



**Программа Организации  
Объединенных Наций по  
окружающей среде**

Distr.  
GENERAL

UNEP/OzL.Pro/ExCom/77/32  
27 October 2016



RUSSIAN  
ORIGINAL: ENGLISH

ИСПОЛНИТЕЛЬНЫЙ КОМИТЕТ  
МНОГОСТОРОННЕГО ФОНДА ДЛЯ  
ОСУЩЕСТВЛЕНИЯ МОНРЕАЛЬСКОГО ПРОТОКОЛА  
Семьдесят седьмое совещание  
Монреаль, 28 ноября - 2 декабря 2016 года

**БЮДЖЕТ ПРОГРАММЫ ЮНЕП ПО СОДЕЙСТВИЮ СОБЛЮДЕНИЮ (ПСС) НА 2017 ГОД**

**ОПИСАНИЕ ПРОЕКТА**

1. ЮНЕП представила 77-му совещанию бюджет своей Программы по содействию соблюдению (ПСС) на 2017 год на сумму 9 776 000 долл. США и вспомогательные расходы учреждения по ставке 8 процентов, составившие 782 080 долл. США. Представленные материалы содержат доклад о ходе выполнения за 2016 год<sup>1</sup> и программу работы на 2017 год. Программа ЮНЕП по содействию соблюдению на 2017 год прилагается к настоящему документу.

Доклад о ходе выполнения ПСС в 2016 году

2. В 2016 году были осуществлены следующие мероприятия:
- a) оказание услуг в обеспечении соблюдения всем 148 странам, действующим в рамках статьи 5; оказание целевой помощи шести странам, находящимся в ситуации конфликта; содействие дальнейшему укреплению системы лицензирования и квот в 105 странах, в которых ЮНЕП является учреждением-исполнителем проектов по укреплению организационной инфраструктуры; и оказание поддержки 86 странам в области подготовки их обследований альтернатив озоноразрушающих веществ (ОРВ);
  - b) оказание содействия реализации планов организационной деятельности по поэтапному отказу от ГХФУ (ПОДПО) в качестве ведущего учреждения-исполнителя в 71 стране и в качестве сотрудничающего учреждения в 28 странах;
  - c) организация восьми сетевых совещаний и региональных тематических семинаров по вопросам, касающимся поэтапного отказа от ГХФУ, включая информацию по безопасным для озонового слоя и климата хладагентам; безопасности, эффективности использования энергии, стандартам работы, а также специфические вопросы, касающиеся стран с высокими температурами окружающей среды;

<sup>1</sup> Охватывает период с сентября 2015 года по сентябрь 2016 года.

- d) установка выставочных стендов и организация ряда неофициальных мероприятий в рамках Совещания Сторон, а также совещания Рабочей группы открытого состава для обсуждения различных вопросов, включая принятие альтернатив с низким потенциалом глобального потепления (ПГП) для сектора холодильного оборудования и систем кондиционирования воздуха для стран с высокими температурами окружающей среды; управление ОРВ в секторе рыболовства; энергоэффективность и регулирование хладагентов в холодильной промышленности;
- e) разработка информационно-разъяснительных продуктов и услуг, в том числе руководств и публикаций; 21 информационного бюллетеня по текущим и актуальным вопросам для оказания помощи в обеспечении соблюдения странам, действующим в рамках статьи 5; 16-недельного учебного курса по вопросам регулирования хладагентов для студентов инженерных специальностей; и расширение присутствия в социальных средствах информации в качестве глобального механизма сотрудничества, в том числе на приложениях смартфонов, содержащих электронные документы из программы ПСС; и
- f) укрепление партнерских связей с отраслевыми ассоциациями, в том числе с Американским обществом инженеров по отоплению, холодильной технике и кондиционированию воздуха (ASHRAE), Международным институтом холода (IIR), Институтом по кондиционированию воздуха, отоплению и холодильной технике (AHRI), в частности в области более эффективной организации программ обучения для стран с низким уровнем потребления и разработки электронных модулей для обучения технических специалистов; и в рамках инициативы «Права на использование хладагентов»<sup>2</sup>.

3. ЮНЕП также способствовала своевременному представлению отчетных данных по потреблению и производству ОРВ в соответствии со статьей 7 Монреальского протокола, представляла отчеты о ходе реализации страновой программы (СП), о разработке и выполнении планов действий, призванных помочь странам, действующим в рамках статьи 5, которые оказались в ситуации потенциального несоблюдения, вернуться в режим соблюдения.

#### Освоение бюджета

4. Из 9 459 000 долл. США и суммы вспомогательных расходов учреждения 756 720 долл. США утвержденного бюджета ПСС на 2015 год в соответствии с решением 35/36 d) ЮНЕП должна вернуть к 77-му совещанию остаток в размере 600 000 долл. США и сумму вспомогательных расходов учреждения в размере 4 800 долл. США.

#### Программа работы ПСС на 2017 год

5. В 2017 году ЮНЕП продолжит осуществление нижеперечисленных мероприятий, определенных в рамках трехлетней скользящей стратегии на 2016-2018 гг. в соответствии со стратегическими целями<sup>3</sup> программы:

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<sup>2</sup> Инициатива ЮНЕП и Института кондиционирования, отопления и охлаждения по внедрению всемирно признанной и приемлемой программы повышения квалификации, устанавливающей минимальные требования для сетей каналов поставок по безопасному обращению с хладагентами.

<sup>3</sup> Четыре основные цели программы включают: оказание содействия странам, действующим в рамках статьи 5, в выполнении своих обязательств по поэтапному отказу от ГХФУ; поддержание и обеспечение соблюдения уже достигнутых задач по поэтапному отказу от ОРВ; создание потенциала для адаптации

- a) предоставление не менее 1062<sup>4</sup> услуг странам, действующим в рамках статьи 5, с уделением особого внимания странам, в которых достижение их целевых показателей в рамках Монреальского протокола оказалось под угрозой;
- b) дальнейшее обеспечение деятельности национальных сотрудников по озону (НСО) в 10 региональных сетях, уделяя особое внимание тематическим вопросам, касающимся получения сопутствующих выгод для климата при проведении мероприятий по отказу от ГХФУ, тенденции потребления энергии и энергоэффективности для сектора холодильного оборудования и систем кондиционирования воздуха, стандарты безопасности для использования воспламеняющихся хладагентов; и задачи и проблемы переоснащения сектора холодильного оборудования и кондиционирования воздуха в странах с высокими температурами окружающей среды;
- c) продолжение создания потенциала для регулирования оборота хладагентов, например, инициативы «Права на использование хладагентов»; система сертификации технических специалистов; глобальное обучение специалистов по техническому обслуживанию; и исследования по вопросам поэтапного отказа от ГХФУ в морском и рыболовном секторе;
- d) продолжение разработки онлайн-учебных материалов для сотрудников таможенных служб и правоохранительных органов посредством проведения совместных мероприятий со Всемирной таможенной организацией (ВТО) и юридическим отделом ЮНЕП; поддержка и улучшение платформы iPIC;
- e) продолжение деятельности, связанной с глобальным механизмом сотрудничества, посредством подготовки публикаций, стратегической информационно-разъяснительной работы с основными международными, региональными и национальными форумами и содействие принятию ключевых инструментов по созданию потенциала (а именно платформы iPIC и инициативы «Права на использование хладагентов»); и
- f) осуществление мероприятий, финансируемых Многосторонним фондом (а именно 102 ПОДПО, 104 проектов по укреплению организационной инфраструктуры и 86 обследований альтернатив ОРВ).

#### Изменения в бюджете ПСС на 2017 год

6. Бюджет ПСС на 2017 год на сумму 10 558 080 долл. США (9 776 000 долл. США и вспомогательные расходы учреждения на 782 080 долл. США) приводится в приложении 1С к настоящему документу.

7. Изменения в оперативных и программных расходах были выполнены в целях пересмотра приоритетов в распределении средств ПСС для учета мероприятий на 2017 год, что привело к общему сокращению бюджета на 235 000 долл. США по сравнению с утвержденным финансированием в 2016 году:

- a) бюджетные статьи 2200/3300 (Региональные мероприятия) были сокращены с 1 110 000 долл. США до 1 097 000 долл. США;

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альтернатив ГХФУ в целях обеспечения сопутствующих выгод для климата; и мобилизация партнерств, дополняющих Многосторонний фонд, для выполнения целей Монреальского протокола.

<sup>4</sup> В приложении 1В приводится список оказываемых странам услуг по обеспечению соблюдения.

- b) бюджетная статья 4000 (Глобальные услуги) была сокращена с 596 000 долл. США до 500 000 долл. США;
- c) бюджетная статья 5210 (Совещания консультативных групп) была увеличена с 32 000 долл. США до 60 000 долл. США;
- d) бюджетная статья 6000 (Оборудование и помещения) была сокращена с 680 000 долл. США до 560 000 долл. США; и
- e) бюджетная статья 7000 (Отчетность и коммуникация) была сокращена с 204 000 долл. США до 170 000 долл. США.

8. Распределение расходов на персонал увеличилось на 471 000 долл. США по сравнению с бюджетом 2016 года, что связано с постепенным увеличением расходов на существующие в системе должности, а также с созданием новых должностей для удовлетворения потребностей в персонале. Финансирование предлагаемых новых должностей будет произведено за счет экономии средств оперативных и программных расходов в размере 235 000 долл. США, указанных в пункте 7 выше; за счет средств, первоначально выделенных на три должности категории общих служб (GS) (БС 1333, 1353 и 1354) (120 000 долл. США), которые оставались вакантными до сегодняшнего времени, и вследствие чего были упразднены; и за счет корректировки БС 1317 в размере 31 000 долл. США (Временный персонал ПСС).

9. Ниже приводятся предлагаемые изменения:

- a) бюджетная статья 1105 – Управление проектом (221 000 долл. США): сотрудник этой новой должности Р4 будет осуществлять надзор за административными аспектами мониторинга проекта, обеспечивать контроль, обзор системы и процессов в целях содействия представлению отчетности по проектам; и руководить системой управления информацией «ОзонЭкшн» (oMIS) (т.е. внутренним механизмом мониторинга проекта);
- b) бюджетная статья 1126 – Сотрудник по программам Регионального офиса стран Азии и Тихоокеанского региона по ПОДПО (151 000 долл. США): сотрудник этой новой должности Р3 будет оказывать помощь в реализации проектов, связанных с островными государствами Тихого океана (в настоящее время 40 текущих проектов);
- c) бюджетная статья 1312 – Помощник по бюджетным и финансовым вопросам (120 000 долл. США): сотрудник этой новой должности G7 будет выполнять дополнительную обязательную работу по управлению бюджетом проекта, требующуюся в рамках финансовой и административной системы ООН UMOJA;
- d) бюджетная статья 1131 – Координатор региональной сети РОЗА (Региональное отделение для Западной Азии): после выхода на пенсию нынешнего сотрудника обязанности этой должности будут интегрированы в круг ведения координатора международного партнерства РОЗА (БС 1132, повышение до должности категории Р5 на 75-м совещании) без каких-либо финансовых последствий в 2017 году. ЮНЕП внесет предложение об использовании средств, выделенных на эту статью бюджета, в ходе представления бюджета ПСС на 2018 год.

## ЗАМЕЧАНИЯ И РЕКОМЕНДАЦИЯ СЕКРЕТАРИАТА

### ЗАМЕЧАНИЯ

#### Общее представление ПСС

10. Секретариат отметил, что программа работы ЮНЕП для ПСС на 2017 год соответствует трехлетней стратегии, утвержденной на 75-м совещании, и продолжает оказывать поддержку поэтапному отказу от ГХФУ стран, действующих в рамках статьи 5, и их соблюдению Монреальского протокола.

11. Секретариат поднял следующие вопросы, связанные с бюджетом ПСС на 2017 год: необходимость сокращения дублирования между целями и целевыми результатами с тем, чтобы избежать потенциального двойного учета мероприятий; предоставление дополнительной информации о четырех осуществляемых мероприятиях, определенных в 2016 году; использование персонала ПСС и последствий для осуществления; необходимость включения списка приоритетных стран по регионам для мероприятий, связанных с оказанием помощи, учитывающей специфику стран; и предлагаемые кадровые изменения. Эти вопросы были рассмотрены надлежащим образом, как указано ниже:

- a) в отношении дублирования между целями и мероприятиями, связанными с оказанием поддержки странам, действующим в рамках статьи 5, ЮНЕП заверила, что было сделано все возможное для исключения двойного учета мероприятий;
- b) в отношении мероприятий, определенных в 2016 году, ЮНЕП актуализировала Приложение 2A bis с целью включения подробной информации о выполнении четырех новых мероприятий с использованием глобальных средств из ПСС в соответствии с решением 75/38 с)<sup>5</sup>. Кроме того, ЮНЕП подтвердила, что эти мероприятия уже выполняются и будут завершены к 2018 году в соответствии с принятыми обязательствами;
- c) в отношении отчетности об использовании ресурсов ПСС ЮНЕП пояснила, что время сотрудников, затраченное на мероприятия, основывалось на оценках, поскольку механизма для учета времени не существует, как и возмещения расходов на время, затраченное на мероприятия, которые не финансируются за счет Многостороннего фонда. Кроме того, ЮНЕП указала, что качественный анализ реализации программы подтвердил, что сотрудники ПСС тратят значительную долю времени (более 80 процентов) на последующую деятельность по проекту и контроль.

12. Представленный бюджет ПСС на 2017 год (Приложение 1С) соответствует решению 47/24, поскольку предложенное увеличение расходов (236 000 долл. США) не превышает трех процентов от суммы утвержденного в 2016 году бюджета. Увеличение было обусловлено необходимостью и находилось в рамках свободы действий, предоставленной ЮНЕП Исполнительным комитетом для расширения приоритетов финансирования по статьям бюджета ПСС с целью учета меняющихся приоритетов.

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<sup>5</sup> Решение 75/38 включает просьбу к ЮНЕП продолжать представление ежегодной программы работы и бюджета ПСС, сообщая подробную информацию о результатах выполнения четырех новых мероприятий, намеченных в программе работы на 2016 год, на которые будут расходоваться глобальные фонды, и расширяя приоритизацию финансирования между статьями бюджета ПСС с целью учета меняющихся приоритетов.

13. Секретариат отметил, что в дополнение к минимальному увеличению расходов на заработную плату в соответствии с требованиями Комиссии по международной гражданской службе произошли изменения в кадровом составе, которые нуждаются в уточнении:

- a) Предлагаемая новая должность по бюджетной статье 1105 (Управление проектом) уже была включена в бюджет ПСС с 2002 года в качестве должности сотрудника по мониторингу и административным вопросам. Новая должность по бюджетной статье 1312 (Помощник по бюджетным и финансовым вопросам), по всей видимости, имеет те же обязанности, что и существующая должность по статье 1304 (помощник по мониторингу и административным вопросам). В 2012 году обе эти должности оплачивались за счет расходов на поддержку программы, но были по-прежнему включены в таблицу бюджета для информации с указанным нулевым финансированием. Экономия, связанная с этими должностями, была использована для создания других должностей G5 в соответствии с требованиями ПСС с 2012 года;
- b) Новая должность по бюджетной статье 1126 (Сотрудник по программам Регионального офиса стран Азии и Тихоокеанского региона по ПОДПО) была предложена в дополнение к должности регионального координатора островных стран Тихого океана (P4), ответственного за ОСТО и трансрегиональное сотрудничество, утвержденной на 75-м совещании.

14. ЮНЕП пояснила, что две новые должности (по БС 1105 и 1312) были необходимы в дополнение к должностям, которые уже финансируются в рамках Руководящего комитета проекта (РКП) для дальнейшей поддержки работы ЮНЕП в области отчетности и управления. Специальная группа по вопросам управления Фондом под руководством старшего сотрудника по вопросам управления Фондом (P3-РКП), состоящая из сотрудника по финансовым и бюджетным вопросам (G6-РКП) и двух новых должностей, необходима для управления финансовым портфелем проектов, представляемых в рамках ПСС, для обеспечения своевременного выделения средств и представления отчетности и подотчетности. Что касается должности для РОЗА (по БС 1126) ЮНЕП подтвердила, что она была необходима для эффективного выполнения программы, в частности, мероприятий для островных стран Тихого океана.

15. Краткое изложение изменений между бюджетами ПСС ЮНЕП за 2016 и 2017 годы представлено в таблице 1.

**Таблица 1. Сопоставление утвержденного бюджета ПСС на 2016 год и предлагаемого бюджета на 2017 год**

Компонент	Утвержденный бюджет на 2016 г. (долл. США)	Предлагаемый бюджет на 2017 г. (долл. США)	Разница (долл. США)	Изменение (в %)
1999 (персонал и командировки)	6 918 000	7 389 000	471 000	6,8
2999 (субподряды/глобальные мероприятия)	596 000	500 000	-96 000	-16,11
3999 (сетевые/тематические совещания)	1 142 000	1 157 000	15 000	1,3
4999 (оборудование и помещения)	680 000	560 000	-120 000	-17,65
5999 (прочие расходы/отчетность)	204 000	170 000	-34 000	16,67
<b>Итого</b>	<b>9 540 000</b>	<b>9 776 000</b>	<b>236 000</b>	<b>2,47</b>

16. По итогам вышеприведенных обсуждений и пояснений на замечания секретариата ЮНЕП внесла соответствующие исправления в свою программу работы по ПСС и бюджет на 2017 год.

17. Кроме того, ЮНЕП указала, что она предлагает пересмотреть общую структуру ПСС (которая была создана в 2002 году), включая корректировку обязанностей и функций некоторых сотрудников, в целях оказания более эффективной помощи странам, действующим в рамках статьи 5, в удовлетворении возникающих потребностей в ходе осуществления их ПОДПО (в которых ЮНЕП является ведущим или сотрудничающим учреждением), а также оказания услуг, предоставляемых в рамках ПСС всем странам, действующим в рамках статьи 5 (например, механизм посредничества, наращивание потенциала, координационный центр по технологии и информации).

## **РЕКОМЕНДАЦИЯ**

18. В свете информации, представленной ЮНЕП, и вышеприведенных замечаний Исполнительный комитет, возможно, пожелает:

- a) утвердить бюджет и мероприятия Программы ЮНЕП по содействию соблюдению (ПСС) на 2017 год на сумму 9 776 000 долл. США и вспомогательные расходы учреждения по ставке 8 процентов, составившие 782 080 долл. США, представленные в Приложении I к документу UNEP/OzL.Pro/ExCom/77/32;
- b) предложить ЮНЕП продолжать представлять ежегодную программу работы и бюджет по ПСС, включая:
  - i) представление подробной информации о результатах выполнения четырех новых мероприятий, определенных в программе работы на 2016 год, на которые будут расходоваться глобальные фонды вплоть до их завершения;
  - ii) расширение приоритетов финансирования по статьям бюджета ПСС с целью учета меняющихся приоритетов и представление сведений о перераспределении средств в своем бюджете в соответствии с решениями 47/24 и 50/26; и
  - iii) представление информации о текущих должностных уровнях персонала и информирование Исполнительного комитета о любых изменениях в них, особенно в случаях увеличения бюджетных ассигнований.

**UNEP COMPLIANCE ASSISTANCE PROGRAMME (CAP)  
2017 WORKPLAN, ACTIVITIES AND BUDGET PROPOSAL  
AND 2016 PROGRESS REPORT**

Presented to the  
77<sup>th</sup> Meeting of the Executive Committee  
of the Multilateral Fund for the Implementation  
of the Montreal Protocol

22<sup>nd</sup> August 2016



United Nations Environment Programme



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## Executive Summary

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Recalling the strategic vision and programmatic framework for the UNEP's Compliance Assistance Programme (CAP) which was submitted to the 75<sup>th</sup> ExCom as a three year rolling strategy for the period 2016-2018 (UNEP/OzL.Pro/ExCom/75/33/Rev.1), this document presents the proposed activities and budget for the UNEP CAP for 2017 for a total of US\$ 10,558,080 which includes the project cost of US\$ 9,776,000 and programme support costs (PSC) of 8 % amounting to US\$ 782,080 for consideration by the 77<sup>th</sup> ExCom. Whilst UNEP is proposing activities and budget for 2017, it should be noted that as at preparation of this document, UNEP implemented seven months of the 2016 workplan.

UNEP-CAP will continue to meet Article 5 country needs for 2017 and beyond, through the four overarching objectives and eleven strategic programme objectives which reflect defined areas in which UNEP has a unique profile and comparative advantage<sup>1</sup>. The aim is to deliver sustainable activities and improve programme delivery to more effectively meet Article 5 country's needs during the HCFC phase out.

As an Implementing Agency of the Montreal Protocol, UNEP was entrusted by the Parties in 1991 with the following responsibilities: political promotion of the objectives of the Protocol, research and data-gathering and the Clearinghouse function. CAP is fulfilling UNEP's mandate, by strengthening the capacity of governments - particularly National Ozone Units (NOUs) - and industry in developing countries (Montreal Protocol Article 5 countries), to elaborate and enforce the policies required to implement the Protocol, make informed decisions about alternative technologies and sustain compliance obligations.

The proposed CAP 2017 is based on the current and anticipated needs of Article 5 countries, focuses on compliance and LVCs, and builds on progress in the implementation of the HCFC phase out management plans (HPMPs), key achievements in the CAP workplan delivery and the lessons learnt to provide technical assistance to countries in the choice of alternative technologies and particularly technician training in the refrigeration servicing sector. CAP's 147 developing country clients cover a broad spectrum ranging in terms of size, population and consumption and production of ozone depleting substances (ODS), from Niue to China. This varied client base includes 48 countries classified by the UN system as Least Developed Countries (LDCs) and 38 countries classified as Small Island Developing States (SIDS). While the approaches and challenges between regions and countries differ, there are some general challenges facing Article 5 countries in their current HCFC phase out management.

Throughout 2017, UNEP CAP will also deliver the projects in its 2017-2019 Business Plan, implement national HCFC phase out management plans (102 HPMPs) and manage Institutional Strengthening projects in 104 countries, and perform the project development, monitoring and reporting duties required of all Implementing Agencies. UNEP CAP will also provide support to the 85 countries to complete their national non-ODS alternative surveys.

To deliver the planned comprehensive compliance assistance services to Article 5 countries during the second year of the three year rolling strategy, i.e. 2017, UNEP is requesting a total budget of US\$ 10,558,080 which includes the project cost of US\$ 9,776,000 and programme support costs (PSC) of 8% amounting to US\$ 782,080. The CAP 2017 budget request is based on programme needs and streamlining activities: this request corresponds to a minimal 2.47% net increase to cover inflationary costs related to staff commitments and based on programme needs to deliver the large portfolio of CAP services and project implementation<sup>2</sup>.

UNEP seeks the Executive Committee's approval of the 2017 CAP Work Programme, activities and budget.

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<sup>1</sup> See document and details on three year strategy (UNEP/OzL.Pro/ExCom/75/33/Rev.1)

<sup>2</sup> These increases are in line with the Noblemaire Principle being used by the International Civil Service Commission (ICSC) to have standard salaries for all United Nations staff in the different Agencies

## Part I: Planned overall CAP services and focus in 2017

This section (Part I) provides a brief overview of planned CAP and project services for 2017 as the second year of implementation of the three year rolling CAP strategy. Further details and specifics can be found in Annex 1A - *Logical Framework Analysis proposed for 2017*. Detailed information on country specific project and CAP services is provided in Annex 1B – *Compliance Assistance Services proposed for 2017*<sup>3</sup>.

### CAP services and products

“Compliance” and LVCs will continue to be a focus of the CAP. Through this proposal, in 2017, CAP will provide at least 1062 special compliance services as indicated in Fig. 1 (data reporting, compliance, NOU training, s-s cooperation, policy support, awareness and information, technical assistance, network and thematic meetings, monitoring and control of ODS trade, etc). An overview of project-specific services planned are indicated in Fig. 2.

CAP will provide country-specific compliance services, operate 10 Regional Networks of Ozone Officers (Africa Francophone, Africa Anglophone, West Asia, Caribbean, Mexico and Central America, Latin America, Eastern and Central Europe, South Asia, South East Asia Pacific and Pacific Island Countries), facilitate south-south cooperation and assist NOOs with specific demand-driven, regional technology capacity building and awareness activities. Capacities of NOUs for monitoring compliance will be strengthened and under UNEP’s Clearinghouse mandate, cutting-edge knowledge on the emerging responsibilities in the HCFC phase out and management will be developed and widely disseminated.

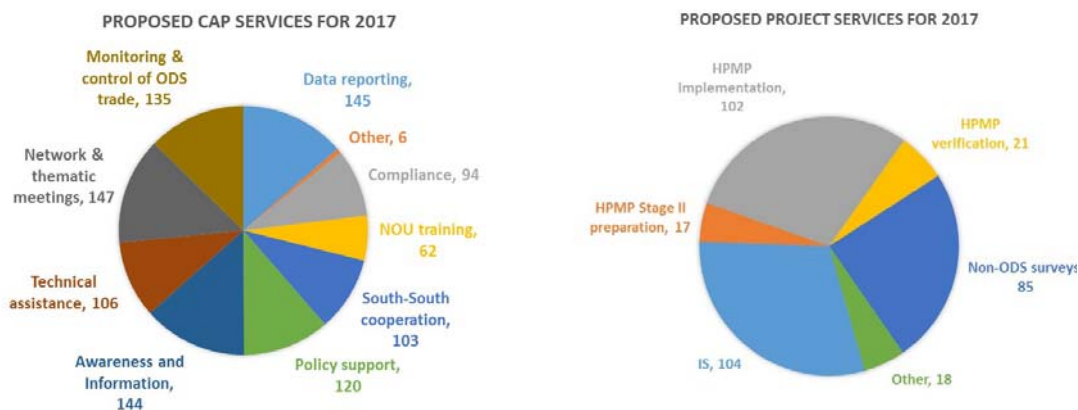


Fig.1 (left) and 2 (right).

UNEP also launched the development of the innovative four global CAP products in 2016, completion of activities is foreseen before the end of the three year rolling strategy. An overview of progress achieved is presented in Part II.

<sup>3</sup>. This budget document only addresses *non-project-related* activities and services delivered through CAP. For details on the individual projects delivered by UNEP, please refer to UNEP’s Business Plan and for details on UNEP’s performance on implementing those projects, please refer to UNEP’s Annual and Financial Progress Report.

## **Overarching objective 1: Assisting countries to comply with their upcoming HCFC phase-out commitments**

### *Planned activities and CAP services in 2017*

- Compliance assistance services are provided to all NOOs; progress in HCFC phase-out is regularly monitored; assistance is provided for the preparation of Stage 2 HPMPs; and IS projects implemented as per schedule
- Awareness of NOUs and technicians raised on standards, safe handling of flammable refrigerants and good practices in HCFC phase-out in RSS
- Assessment of national training capacity related to non-ODS alternatives undertaken
- Non-ODS Alternatives Help Desk established
- Analysis/assessment of available on-line training courses for different level technicians in collaboration with all partners and Implementing Agencies; draft of a minimal global qualification programme for servicing technicians developed in collaboration with global HVAC&R industry
- Collation of certification programs in RSS and on the safe handling and use of non-ODS alternatives. Modules for technician certification outreach to RAC Associations
- National data collection on ODS use in marine fishing sector conducted in Pacific Island Countries; and international conference on ODS use and management in the sector organised in collaboration with ASHRAE

## **Overarching objective 2: Sustaining and enforcing compliance of phase-out targets already met**

### *Planned activities and CAP services in 2017*

- All countries in actual or potential non-compliance receive CAP assistance
- All countries which request additional assistance from CAP for data reporting submit their Article 7 data and CP data in a timely manner
- Pilot NOU basic and advanced training modules in at least two regions
- NOOs receive ad hoc CAP assistance on enhancing licensing and quota systems
- South-south cooperation on low GWP non ODS technology enhanced
- Online training for customs officers promoted and used in all regions; joint activities with WCO and DELC for promoting customs training enhanced. iPIC platform maintained/enhanced

## **Overarching objective 3: Building capacity to adopt alternatives to HCFCs to achieve climate co-benefits**

### *Planned activities and CAP services in 2017*

- Collaborative partnerships pursued on climate co- benefits
- All 10 Network meetings organise one session on low GWP and non-ODS alternatives; and one session on energy efficiency for RAC sector, national energy consumption trends, and modelling assumptions for RAC sectors
- One high ambient temperature symposium organised in cooperation with industry/private sector; fact sheets and information on non-ODS alternatives for HAT sectors developed and outreach
- Networking and capacity building to include support on “not in-kind technologies and policy”
- UNEP-implemented non-ODS alternative inventory surveys undertaken in 85 countries; including country assessment of the institutional, regulatory and policy framework and trends for ODS alternatives; linkages to national HPMPs identified and national technology roadmaps developed for transition to low GWP non ODS alternatives

## **Overarching objective 4: Leveraging partnerships for Montreal Protocol objectives complementary to the Multilateral Fund**

### *Planned activities and CAP services in 2017*

- Cooperation developed to strengthen capacity of NOOs and technicians via targeted ozone-climate-technology workshops / roadshows
- Outcomes of specific projects complementary to MLF outreach to NOUs and other stakeholders to support HPMPs and assist countries to seek climate co-benefits

- In collaboration with international and regional / national standards setting, organise at least one thematic meeting per region to address flammable refrigerants and safe use of low-GWP alternatives, including the update of relevant safety standards applicable to the RAC sector

**Transversal objective 11: Clearing house function, Regional Networks, capacity building, technical cooperation and awareness**

*Planned activities and CAP services in 2017*

- Global and regional information products and services destined for new target audiences or that reach existing target audiences in new ways
- Outreach of fact sheets, publications and other materials and tools through OzonAction website, social media, Montreal Protocol and network meetings, (including on basics in energy efficiency and link between energy efficiency and refrigerant choice, national HCFC policy linkage with non ODS alternatives, climate benefits of RAC servicing, not in kind technologies, risk profiling for customs and enforcement officers, lessons learned from IA and HPMP projects, etc)
- Awareness raising on safety standards for low GWP alternatives; safe use and- market barriers
- OzonAction side-events at OEWG and MOP
- At least 4 video/e-learning produced on good practices and maintenance for technicians; video/e-learning on role of standards in HPMPs for NOUs
- Targeted communications and capacity building support for servicing technicians in the large informal sector (e.g.videos)
- Targeted, relevant and simplified, user-friendly OzonAction website navigation
- Revised quarterly OzoNews news service with focus on IA and country activities and peer reviewed targeted articles

## Part II: 2016 Progress Report

This section provides an overview and summary of the progress achieved by CAP over the period October 2015- July 2016. Progress is presented under each of the Overarching Objectives as well as the transversal objective. Full details of progress can be found in the Annex 2A “Achievements Relative to 2016 Logical Framework Analysis”, Annex 2A Bis and Annex 2B “Achievements relative to country – specific services”.

### OVERARCHING OBJECTIVE 1:

#### Assisting countries to comply with their upcoming HCFC phase-out commitments

**SPO 1:** Providing country-specific compliance assistance services to NOUs; assisting countries with HPMP and IS projects as per Executive Committee guidelines

**SPO 2:** Fostering policies, capacity building and sustainable technician training in the refrigeration servicing sector

**SPO 3:** Fostering a coordinated approach to holistic refrigerant management

**SPO 4:** Fostering a coordinated approach to assessment of ODS use and management in the fishing sector

### Achievements

- National assessments were carried out and all ten countries in potential non-compliance were identified and the required assistance was provided
- Countries were assisted in addressing data discrepancies between Country Programme and Article 7
- Assistance was provided to six countries in specific and conflict circumstances
- All except three HPMP projects in countries with agreed Plans of Action for which UNEP was the Lead Agency of the HPMP progressed according to plan
- All National Ozone Officers (NOOs) received guidance on enforcement of national policies and quota systems as requested/needed
- HPMPs for remaining countries: Botswana – submitted; South Sudan for submission at ExCom-77; Syria- to be submitted once security conditions permit
- UNEP assisted countries with preparing and submitting 19 HPMP Stage I tranches, 2 HPMP

- Stage II tranches and 16 IS projects, as well as two demonstration projects, approved at ExCom-76
- UNEP assisted countries with preparing and submitting 11 HPMP Stage I tranches, 9 HPMP Stage I verification, 1 HPMP Stage II preparation, 3 HPMP Stage II tranches and 22 IS projects as well as 2 district cooling feasibility studies and Stage-II of the high ambient project (PRAHA-II), approved at ExCom-75
- Six HPMP stage I verification reports were prepared
- Provided special support to overcome delays for IS project implementation in Guatemala and Peru.
- Eight network meetings and 11 regional thematic workshops were organised in cooperation with partners
- Special sessions in meetings focused on standards and safe handling of refrigerants, standards and certification, recovery and reclamation, and enforcing licensing and quota systems
- The first assessment of ODS in fishing sector was undertaken and co-presented with TEAP Taskforce
- Partnerships were established with ASHRAE Regional Chapters with organisation of joint activities
- A global survey was initiated in cooperation with ASHRAE to map the need for establishing and/or strengthening RAC associations in Article 5 countries
- Roundtables with relevant institutions and stakeholders were organised on: good servicing practices for longer-term RAC alternatives, flammable refrigerants and room AC and Ozon2Climate industry roundtables
- Launched the implementation of the international UNEP-AHRI initiative Refrigerant Driving License (RDL), including partners meetings, establishment of the advisory committee and development of the work plan, compilation of feedback from NOUs and preparation of draft documentation
- Certification schemes for Oman and Saudi Arabia were developed and used as a model in the region

### OVERARCHING OBJECTIVE 2:

#### Sustaining and enforcing compliance of phase-out targets already met

**SPO 5:** Supporting NOUs and assisting Governments in Article 7 and Country Programme data reporting requirements

## SPO 6: Developing capacities of National Ozone Officers to effectively manage their national ODS phase-out programmes

### Achievements

- 138 National Ozone Officers and Governments were supported for Article 7 and CP data reporting and sustaining compliance.
- All countries in actual or potential non-compliance received CAP assistance
- All countries which requested, were provided additional assistance from CAP for submission Article 7 data and CP data in a timely manner
- All new NOOs and/or assistants received basic training on Montreal Protocol, compliance/enforcement and project management issues
- Regional thematic workshops were organised to address low GWP refrigerant issues in Asia and Pacific, SEAP, PICs, Africa and ECA.
- Networking between North African and West Asian countries through twinning activities was enhanced through the first full joint Network meetings
- NOOs received support to review national licensing and quota systems, based on their requirements
- Two joint activities was organised and supported for training of custom officers in Francophone Africa and ECA (including the ECA ozone protection award for customs & enforcement officers)
- Two seminars were organised on PRAHA and High Ambient Temperature (HAT) challenges at the 24th International Congress of Refrigeration and at the ASHRAE Annual Winter Conference.
- Eight side events and exhibition booths were organised at MOP-27, OEWG-37 and OEWG-38

### OVERARCHING OBJECTIVE 3:

#### Building capacity to adopt alternatives to HCFCs to achieve climate co-benefits

SPO 7: Promoting climate co-benefits in the HCFC phase-out through technology choices, good practices, emissions reduction and energy efficient practices

SPO 8: Assisting NOUs to map non-ODS alternatives for improved monitoring and informed decision-making

### Achievements

- Eight thematic meetings were organised, with sessions on low-GWP, non-ODS alternatives organised for NOOs and RAC experts, in addition to special sessions in network meetings
- The Africa-West Asia Joint Network meeting included special sessions on new alternatives technologies and associated challenges with standards, safety, energy efficiency, and performance
- Technicians from PIC countries participated in training on safe use of low-GWP alternatives (under an EC bilateral project funded outside of Multilateral Fund)
- Support was provided to 86 countries for non-ODS alternative surveys, with guidance on data collection, information sources, use of the Multilateral Fund survey format, and training on non-ODS survey implementation in all regional networks

### OVERARCHING OBJECTIVE 4:

#### Leveraging partnerships for Montreal Protocol objectives complementary to the Multilateral Fund

SPO 9: Bridging the gap amongst the refrigerant supply chain network to ensure sound management of future refrigerants

SPO 10: Contributing to knowledge sharing and information exchange under the emerging responsibilities under HCFC phase-out

### Achievements

- New cooperation initiatives were developed to strengthen the capacity of NOOs and technicians as well as promote low-GWP alternatives and technologies (with IIR, AHRI, WHO, EPEE, AREA, JRAIA and CHEAA)
- Support was provided to the US global project on testing for high ambient in its phase-I and phase-II through participating in the advisory panel and securing prototypes for phase-II of the project
- Participated in International Technical Committees/Groups (IIR International Workgroup on sustainable cold chain in hot climates, ASHRAE Refrigeration Committee, ASHRAE Research Committee) to ensure consideration of the needs of Article 5 countries
- Outcomes of specific projects complementary to Multilateral Fund were outreached to NOUs and other stakeholders to support HPMPs and assist countries to achieve climate co-benefits (CCAC, USEPA, EC, China Trust Fund)

- Three international events on PRAHA projects with high exposure of UNEP-UNIDO's work to policy and technical stockholders worldwide were organised

**TRANSVERSAL SPO 11:**  
Leveraging the Clearinghouse: developing capacity building tools and targeted information for managing the HCFC phase-out

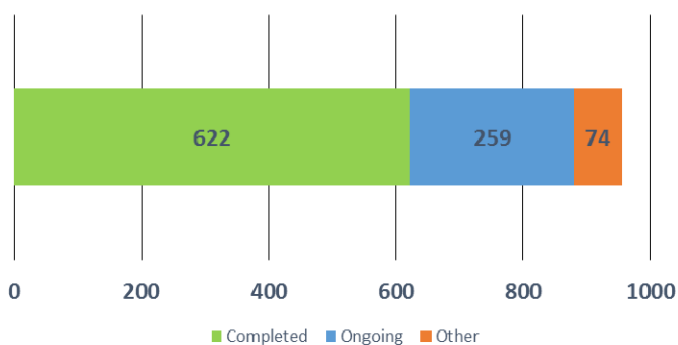
## Achievements

- Innovative information tools were developed, including a smartphone application, a university course, videos and use of social media

- Ten new global and regional information products and services were developed, including guides and publications, a package of 21 new factsheets on current and important relevant issue, video, quick tools and case studies and a special 16-week academic course on Refrigerant Management for Undergraduate engineering students
- Information materials and online trainings were presented and demonstrated at network meetings and further outreached
- The OzonAction website was redesigned and improved
- The OzoNews newsletter was prepared and distributed on a fortnightly basis

## COMPLIANCE ASSISTANCE SERVICES

Compliance Assistance Services Delivered  
1 September 2015 - 31 August 2016



UNEP promised to deliver 941 compliance assistance services in 2016 to 147 Article 5 countries.

During the period 1 September 2015 - 31 August 2016, UNEP completed 622 services (COM), 259 are ongoing (ONG), and 74 have other status (OTH).<sup>1</sup> Additionally, UNEP delivered another 14 unplanned services to Article 5 countries, and 14 services to Croatia and Countries with economies in transition (Azerbaijan, Belarus, Kazakhstan, Russia, Tajikistan, Ukraine, Uzbekistan). See Annex 2B for more details.

1. Includes planned services that are no longer needed by countries, country is not ready for service at this time, or service cancelled for other reasons

## RESOURCES MANAGEMENT

### Human resources management

#### Recruitment

The recruitment process was completed for the following vacant posts:

- P3, HPMP Officer, ROLAC
- P3, Programme Officer, Paris (lateral transfer)
- G4, Programme Assistant, ROLAC

The following recruitment processes were initiated:

- P3, Programme Officer (HPMP), SA- BKK
- P2, Programme Officers, ROA

- P3, Programme Officer (HPMP), ECA/Paris
- G6, Programme Assistant, Nairobi
- G5, Programme Assistant, Nairobi
- G6, Programme Assistant, Bangkok

#### Human resource challenges - Support Staff

- Currently there are 26 Support Staff funded via the CAP. The majority of the Support staff in the programme are long standing. UNEP will review the responsibilities and functions of certain Professional and Support Staff, with



the possibility of re-adjusting responsibilities. Moreover, with the implementation of UMOJA, G staff in Paris and the regions, play an ever more important role in supporting the objectives of the programme. With the additional challenges of the UMOJA system certain Four regional and two Paris based Support staff are mapped with additional

- financial, administrative and project responsibilities. CAP staff training
- All Professional staff will be considered for additional technical training in non-ODS alternatives in order to better meet the country needs.

### *Financial management*

- UNEP moved to the financial system of UMOJA in May 2015. The harmonised financial and administrative system of UMOJA had implications on the 2015 CAP budget expenditures and the disbursements on MLF funded projects
- UNEP will consolidate all CAP returns to the MLF

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## **CONCLUSIONS AND LESSONS FOR THE FUTURE**

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- Timely intervention and flexibility of CAP to accommodate *ad hoc* requests of National Ozone Units and implementing agencies is a cost/effective way to avoid potential non-compliance
- In ROA and ROWA, the escalated political instability in the region limits CAP.
- Based on the evaluation of the cost-effectiveness of the number of statutory network and thematic meetings, one network meeting and smaller thematic meetings on specific topics will continue
- Decisions IX/6 encourages the HCFC phase out and climate co benefits. CAP will continue to seek new partnerships to ensure a multi-disciplinary environmental response
- NOO capacity building in linking the choice of non-ODS alternatives and the national HPMPs will continue to be a priority for CAP
- NOOs awareness of international safety standards for low-GWP alternatives needs to be enhanced
- In addressing training and certification of refrigeration technicians, an in depth national/regional analysis will ascertain the long term sustainability of training programmes, institutionalisation of training activities and barriers and incentives
- Countries are at different levels of progress of HCFC phase-out implementation; they may benefit from experiences and lessons learnt from the more advanced Article 5 countries
- Loss of capacity of NOUs due to staff changes will be better addressed with a more structured NOU training approach
- Focus on non-ODS alternatives and related safety and standards issues will continue, particularly as this will be of increasing importance in the selection of zero ODP and low GWP options

<p style="text-align: center;"><b>UNEP CAP Mission statement:</b> Assist Article 5 Countries to achieve and sustain compliance with the Montreal Protocol obligations and promote associated climate co-benefits</p>				
Objectives	Expected results	Performance Indicators	Benchmarks	Assumption / Risks
<p><b>Overarching objective 1: Assisting countries to comply with their upcoming HCFC phase-out commitments</b></p>				
<p><b>SPO 1</b> Providing country-specific compliance assistance services to NOUs; assisting countries with HPMP and IS projects as per Executive Committee guidelines</p>	<p>Countries supported through specific compliance assistance services to comply with HCFC phase-out commitments</p> <p>73 HPMPs implemented as per schedule as Lead Agency and 29 as Cooperating Agency</p> <p>104 IS projects implemented as per schedule</p>	<p>Compliance assistance services provided to all National Ozone Units (NOUs) who requested/need them</p> <p>HCFC phase-out policies reviewed; Plans of action implemented and operational</p> <p>HPMPs implemented as per schedule</p> <p>IS projects implemented as per schedule</p>	<p>Countries in potential non-compliance are identified and required assistance provided</p> <p>All UNEP Lead Agency and Cooperating Agency HPMP projects progress according to the agreed Plans of Action.</p> <p>Progress in HCFC phase-out regularly monitored</p> <p>HPMP tranches and IS projects are submitted based on UNEP's 2017 – 2019 Business Plan.</p> <p>IS project implementation – database collection as per new performance indicators and ExCom decisions</p>	<p><i>Assumptions</i></p> <ul style="list-style-type: none"> <li>• High level political commitment</li> <li>• Stable political and economic conditions in countries</li> <li>• Operational National Ozone Unit (NOU) with dedicated and skilled staff at appropriate level</li> </ul> <p><i>Risks</i></p> <ul style="list-style-type: none"> <li>• Uncertainties in security situations</li> <li>• Unstable political and economic situation in countries</li> <li>• Frequent turn-over of Ozone Officers and changes in administration</li> <li>• Limited capacities of NOUs</li> <li>• Delays due to administrative procedures by IA and country administrations</li> <li>• Administrative or legal issues that may prevent fund disbursements and delay HPMP implementation</li> <li>• Delay or incomplete progress reporting by some countries due to the long process of data verification at national level (particularly in countries with political instability)</li> <li>• Unstable currency markets fluctuating during project implementation</li> </ul>
<p><b>SPO 2</b> Fostering policies, capacity building and sustainable technician training in the refrigeration servicing sector</p>	<p>Strengthened institutional capacities to manage emerging responsibilities under the HCFC phase-out</p> <p>Fostering policies, technology capacity building and sustainable training programmes for RSS technicians in all regions</p>	<p>Awareness of technicians raised on safety issues associated with non-ODS, low- and zero-GWP alternatives, related standards and codes</p> <p>Assessment of national training capacity related to non-ODS alternatives undertaken</p> <p>Existing on-line training courses for different level RSS technicians analysed and assessed</p>	<p>At least 4 regional thematic workshops for technicians organised on good practices related to ODS and non-ODS alternatives, including recovery/ recycling</p> <p>Information on national technical vocational education programs, curricula and training infrastructure to address HCFCs and non-ODS alternatives compiled; overview of technician certification programs</p> <p>One analysis/assessment of available on-line training courses in RSS and including non ODS alternatives completed with relevant stakeholders, Implementing Agencies and the MLF Secretariat. Two roundtables with relevant stakeholders and institutions</p>	
<p><b>SPO 3</b> Fostering a coordinated approach to holistic refrigerant management</p>	<p>NOOs have access to a one-stop information source on non-ODS alternatives</p> <p>Linkage between HPMPs and ODS alternatives survey are explored</p> <p>NOOs awareness of international safety standards for low-GWP alternatives raised</p>	<p>Non-ODS Alternatives Help Desk established; case studies of national HCFC policies that control, monitor or are linked to non-ODS alternatives shared</p> <p>Knowledge products produced and fora organised to exchange information about standards and flammable refrigerants</p> <p>Analysis/assessment of draft outlines for different levels of training for RSS technicians validated by regions</p> <p>Second stage of Refrigerant Drivers' License (sound management of refrigerants) implemented</p> <p>Collation of national qualification and certification systems for technicians in RSS; National RAC associations further strengthened for non-ODS alternatives</p>	<p>Database/toolbox on low GWP and ODS alternatives providing: general information and awareness, sector-specific technology options, country data, customs codes, surveys, case studies</p> <p>Case studies of national HCFC policies that include links national non-ODS alternative use, collected and shared through Network meetings and fact sheets</p> <p>At least 5 regional thematic workshops and/or specific workshop sessions on standards and codes for flammable refrigerants- in collaboration with stakeholders</p> <p>First draft of a minimal global qualification programme for servicing technicians developed in collaboration with global HVAC&amp;R industry; maintain the platform for the operational Refrigerant Drivers' License (RDL) Advisory Committee; ensure support from the Alliance, EPEE, AREA, JRAIA, ASHRAE, Refrigerant Australia in addition to AHRI and UNEP. ABRVA and ACAIRE package ready for piloting by 1<sup>st</sup> quarter of 2017. Finalise the development of technical scope, classification of qualifications, technical modules, evaluating modules and the operating admission and qualifications scheme</p> <p>Two new information tools (e.g, Smart Apps or online tools) developed on sound management of refrigerants</p> <p>Collation of certification programs in RSS and on the safe handling and use of non-ODS alternatives. Modules for technician certification outreach to RAC Associations</p>	
<p><b>SPO 4</b> Fostering a coordinated approach to assessment of</p>	<p>Data available on ODS use and management in marine and fishing sector to inform decision making</p>	<p>Policy, legislation and technician training needs in this sector identified</p>	<p>National data collection on ODS use in this sector conducted for Pacific Island Countries</p> <p>International conference organised in collaboration with ASHRAE Thai Chapter, UNIDO, IIR, IMO, Regional Fisheries Forum on ODS use, management, and implications for Montreal Protocol obligations</p>	

Annex IB— Country-specific services proposed for 2017

Country	CAP services										Project services						Comments
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other	IS	HPMP prp	HPMP imp	HPMP ver	ODS alternative surveys	Other	
Afghanistan	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Foster linkages with national developmental priorities and Environment management, Climate Impacts, Energy Efficiency and Capacity Building	Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol		x		x	X	x		
Albania	Facilitate participation of ozone officers / RAC experts in ECA meetings	Monitor reported ODS consumption / licensing & quota system / compliance support upon request	Sharing of HCFC / non-ODS related policies, legislation & standards during ECA meetings	Sharing of technology case studies, promoting technology awareness, RAC training & certification, good practices & safety during ECA meetings	Monitor & facilitate timely reporting of Article 7 / Country Programme data, ad-hoc assistance upon request	Encourage Ozone Day activities, outreach of awareness initiatives, technology awareness	Upon request (subject to fund availability)	Encourage iPIC consultations , analysis of differences in reported trade data, MP customs focal points	Training of new NOU staff upon request (subject to fund availability)		x		x			UNEP is cooperating agency for HPMP stage I (until 2020)	
Algeria	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data.Promote use of online CP data reporting	Promote access to technology information.Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			x				x		
Angola	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC			x				x		
Antigua and Barbuda	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis and provide necessary support	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	Country mission	x	X	x		x		

Argentina	Facilitate participation in Network & thematic meetings				Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.										
Armenia	Facilitate participation of ozone officers / RAC experts in ECA meetings	Monitor reported ODS consumption / licensing & quota system / compliance support upon request	Sharing of HCFC / non-ODS related policies, legislation & standards during ECA meetings	Sharing of technology case studies, promoting technology awareness, RAC training & certification, good practices & safety during ECA meetings	Monitor & facilitate timely reporting of Article 7 / Country Programme data, ad-hoc assistance upon request	Encourage Ozone Day activities, outreach of awareness initiatives, technology awareness	Upon request (subject to fund availability)	Encourage iPIC consultations , analysis of differences in reported trade data, MP customs focal points	Training of new NOU staff upon request (subject to fund availability)				X	X		X		UNEP is cooperating agency for HPMP stage I & II (until 2020)
Bahamas	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	Country mission		X		X	X	X	X	HFC Survey with CCAC
Bahrain	Facilitate participation in network & thematic meetings	Monitoring compliance and assist in meeting HPMP challenging reduction targets	Assist NOU in enacting the bylaws of the ozone law	Assistance in establishing national certification scheme		Support policy and technical awareness campaign under the HPMP of Bahrain	Facilitate exchange of experience in relation to A/C industry, Reclamation and E-Licensing					X		X	X	X		CAP/ROWA is based in Bahrain which allows more involvement and continuous face-to-face support
Bangladesh	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification scheme	Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC					X	X				
Barbados	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant			X		X	X	X		

Belize	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Foster linkages with national developmental priorities and environmental management, climate impacts, energy efficiency and capacity building	Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol		X		X		X			
Benin	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards. Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			X		X	X	X	X		EC co-benefit PROJECT
Bhutan	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certificate scheme and labelling schemes	Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol		x		x		x			
Bolivia, Plurinational State of	Facilitate participation in Network & thematic meetings				Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol		x							

Bosnia and Herzegovina	Facilitate participation of ozone officers / RAC experts in ECA meetings	Monitor reported ODS consumption / licensing & quota system / compliance support upon request	Sharing of HCFC / non-ODS related policies, legislation & standards during ECA meetings	Sharing of technology case studies, promoting technology awareness, RAC training & certification, good practices & safety during ECA meetings	Monitor & facilitate timely reporting of Article 7 / Country Programme data, ad-hoc assistance upon request	Encourage Ozone Day activities, outreach of awareness initiatives, technology awareness	Upon request (subject to fund availability)	Encourage iPIC consultations , analysis of differences in reported trade data, MP customs focal points	Training of new NOU staff upon request (subject to fund availability)								X	ECA regional destruction project	
Botswana	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing ad/quota systems		Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC			X		X				X		
Brazil	Facilitate participation in Network & thematic meetings				Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.											
Brunei Darussalam	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with labelling schemes	Promote timely reporting to Ozone Secretariat and Multilateral Fund Secretariat. Respond to NOO consultations on technical matters if needed.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC			X		X				X		
Burkina Faso	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards. Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			X		X				X	X	EC co-benefit PROJECT

Burundi	Facilitate participation in Network & thematic meetings	Country in civil war :Monitor reported ODS consumption / operational licensing & quota system in place /	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards.Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information.Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			x		X	X	X		
Cambodia	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with developing or improving HCFC quota system	Assist with standards	Promote timely reporting to Ozone Secretariat and Multilateral Fund Secretariat. Respond to NOO consultations on technical matters if needed.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC			X		X		X	X	EU destruction Project and CCAC HFC survey Project
Cameroon	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data.Promote use of online CP data reporting	Promote access to technology information.Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			X						
Cape Verde	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.Assist with RAC certification system and standards	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information.Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.	Advance training of existing Ozone Officer and assistant		X		X	X	X	X	EC co-benefit PROJECT
Central African Republic	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with Action Plan to appoint a new Coordinator and re-start activities.	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information.Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC. Encourage implementation of the PMU.	Basic training of new Ozone Officer or assistant.Assist in establishing new NOU	x			X			

Chad	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.	Advance training of existing Ozone Officer and assistant		X		X		X		
Chile	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.				X	x				
China	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Promote use of online CP data reporting	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage use of iPIC				X	X				
Colombia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.					x				
Comoros	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			X		X		X		





Côte d'Ivoire	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC. Encourage implementation of the PMU.	Advance training of existing Ozone Officer and assistant		X		X		X	X	EC co-benefit PROJECT
Cuba	Facilitate participation in Network & thematic meetings				Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.									
Djibouti	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			X		X		X		
Dominica	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with legislative review and enforcement of HCFC licensing and/or quota systems.	Foster greater linkages with tertiary institutions and RAC associations to promote energy efficiency and climate benefits.	Support NOO in the collection, analysis and reporting of Article 7 and CP data.	Assist with Ozone Day celebrations. Awareness raising activities for the general public, public and private sectors,	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol		X		X	X			



El Salvador	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with safety standards	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.			x		x					
Equatorial Guinea	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with Chad for the implementation of the HPMP.	Encourage adoption and use of iPIC.			x		x		x			
Eritrea	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting. Support that the CP data reporting is done on line.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC			x		x		x			
Ethiopia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting. Support that the CP data reporting is done on line.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC			x		x	x	x			



Ghana	Facilitate participation in Network & thematic meetings				Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting. Support that the CP data reporting is done on line.	Assist NOU in the preparation, delivery and reporting on Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC											X	
Grenada	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with legislative review and enforcement of HCFC licensing and/or quota systems.	Foster linkages with national developmental priorities and environmental management, climate impacts, energy efficiency and capacity building	Support NOO in the collection, analysis and reporting of Article 7 and CP data	Assist with Ozone Day celebrations. Awareness raising for general public, public and private sectors.	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol			X		X	X			X		
Guatemala	Facilitate participation in Network & thematic meetings	Support to compliance action plan implementation	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certificate scheme and safety standards	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.				X		X						
Guinea	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC				X		X				X		

Guinea-Bissau	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC				X		X		X		
Guyana	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	Country mission		x	X	x	X	x		
Haiti	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis and provide necessary support	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	Country mission		x		x				
Honduras	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with safety standards	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.				x		x				
India	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with green procurement, cold chain, standards for flammable refrigerants	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Facilitate South-South cooperation with another country	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol					X	x			

Indonesia	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis			Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Facilitate South-South cooperation with another country	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.										
Iran, Islamic Republic of	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards and certification	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Facilitate South-South cooperation with another country	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.					X	x				
Iraq	Facilitate participation in network & thematic meetings	Assistance in meeting HPMP compliance targets	Assistance to review ODS regulation	Assistance in establishing national certification scheme	Assist in accurate and timely data reporting	Support activities of Ozone Day celebration							x	x	x	x	x	difficulties in providing service or conducting events inside Iraq due to security issues
Jamaica	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant				x		x		x	
Jordan	Facilitate participation in network & thematic meetings		Assist in enforcing ODS policies and regulations	Assist in RAC technicians training and certification	Assist in accurate and timely data reporting	Assist in outreach activities and ozone day celebration	Facilitate S-S cooperation-certification scheme	Assist in full adoption of iPIC system	Capacity building to NOU staff									will make full use of Jordan long experience through S-S cooperation
Kenya	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC					X				X	







Malaysia	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis			Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Facilitate South-South cooperation with another country	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.										
Maldives	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Address the use of non-ODS and technology adaptation for the Fishery and tourism sector, Single window system in collaboration with Sri Lanka	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.			x		x		x		x	HFC inventory survey
Mali	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.			x		x		x			







Myanmar	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with development of codes of good practices	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant		X		X	X	X		
Namibia	Lesotho	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations				x				X	X	
Nauru	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis and provide early warning on potential non-compliance and support to sustain compliance	Assist with enforcement of HCFC licensing and/or quota systems	Support the engagement of the NOU work with national developmental priorities in particular Climate Impacts, Energy Efficiency, Post Disaster rebuilding and investments (private and public) involving the built infrastructure and having RAC systems.	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC	Support mentoring from more senior NOO of the PIC network to support the continued capacity building		X		X		X		





Nigeria	Facilitate participation in Network & thematic meetings				Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting. Support that the CP data reporting is done on line.	Assist NOU in the preparation, delivery and reporting on Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC									X	
Niue	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis and provide early warning on potential non-compliance and support to sustain compliance	Assist with enforcement of HCFC licensing and/or quota systems	Support the engagement of the NOU work with national developmental priorities in particular Climate Impacts, Energy Efficiency, Post Disaster rebuilding and investments (private and public) involving the built infrastructure and having RAC systems.	Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting. Support that the CP data reporting is done on line.	Assist NOU in the preparation, delivery and reporting on Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Support mentoring from more senior NOO of the PIC network to support the continued capacity building			X		X			X	
Oman	Facilitate participation in network & thematic meetings	Assist to maintain compliance in the foam sector	Assist in enforcing the updated ODS policies and regulations including updating the licensing system	Assist in RAC technicians training and certification	Assist in accurate and timely data reporting	Assist in developing targeted awareness materials and celebration of the ozone day	Facilitate S-S cooperation-certificate scheme	Encourage full application of iPIC system	Capacity building of NOU staff				X	X				Encourage engagement in regional activities
Pakistan	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist in certification system and standards	Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol				X	X			X	



Paraguay	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certificate scheme and safety standards	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.				x		x				
Peru	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with safety standards	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.				x		x				
Philippines	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems		Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.				x						
Qatar	Facilitate participation in network & thematic meetings	Monitoring compliance in light of delayed HPMP	Assistance to revise licensing/quota system and develop bylaws for ODS regulation	Assistance to develop national study on A/C technologies	Assist in accurate and timely data reporting	Assistance in developing technical awareness campaign on alternatives to HCFC	Facilitate exchange of experience with other NOUs in the region		Assist in training new team in NOU				x		x			HPMP and NOU activities were not fully operational for sometime, additional efforts to be put to bring all MP activities on track

Rwanda	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards and certification	Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC				X		X	X	X		
Saint Kitts and Nevis	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with legislative review and enforcement of HCFC licensing and/or quota systems.	Foster linkages with Tourism and Fisheries sectors	Promote use of online CP data reporting. Support NOO in collection, analysis and reporting of Article 7 and CP data	Assist with Ozone Day celebrations. Awareness raising for the yachting and fishing sectors in particular	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol			X		X				
Saint Vincent and the Grenadines	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with legislative review and enforcement of HCFC licensing and/or quota systems.	Foster linkages with national developmental priorities and environmental management, climate impacts, energy efficiency and capacity building	Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting.	Assist with Ozone Day celebrations. Awareness raising for general public, public and private sectors	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol			X		X	X			
Saint Lucia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data online	Assist with Regional Awareness activities	Facilitate South-South cooperation with other countries	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	Country mission		x		x		x		
Samoa	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis and provide early warning on potential non-compliance and support to sustain compliance	Assist with review of policy and legislative reviews as necessary. Assist in the application and enforcement of HCFC licensing and/or quota systems. This will include also regulatory support for the supply of ODS to foreign and locally flagged fishing vessels.	Support the engagement of the NOU work with national developmental priorities in particular Climate Impacts, Energy Efficiency, Post Disaster rebuilding and investments (private and public) involving the built infrastructure and having RAC systems.	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist NOU in the preparation, delivery and reporting on Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Country has a very skilled and experienced NOO. This resource will be solicited to mentor other Junior NOO of the PIC			X		X		X		Country is also participating in the EC climate co-benefit project

Sao Tome and Principe	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.					X		X		X		
Saudi Arabia	Facilitate participation in network & thematic meetings	Assist to maintain compliance in the foam sector-XPS	Assist in enforcing the ODS policies and regulations including updating the licensing system	Assist in RAC technicians training and certification	Assist in accurate and timely data reporting	Assist in developing targeted awareness materials and celebration of the ozone day	Facilitate S-S cooperation in areas of interest.	Encourage full application of iPIC system	Capacity building of NOU staff				X		X		X		Encourage active engagement in regional activities and experience sharing on foam conversion
Senegal	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards. Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.					X		X		X	X	EC co-benefit PROJECT
Serbia	Facilitate participation of ozone officers / RAC experts in ECA meetings	Monitor reported ODS consumption / licensing & quota system / compliance support upon request	Sharing of HCFC / non-ODS related policies, legislation & standards during ECA meetings	Sharing of technology case studies, promoting technology awareness, RAC training & certification, good practices & safety during ECA meetings	Monitor & facilitate timely reporting of Article 7 / Country Programme data, ad-hoc assistance upon request	Encourage Ozone Day activities, outreach of awareness initiatives, technology awareness	Upon request (subject to fund availability)	Encourage iPIC consultations, analysis of differences in reported trade data, MP customs focal points	Training of new NOU staff upon request (subject to fund availability)						X				UNEP is cooperating agency for HPMP stage I (until 2020)
Seychelles	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations							X					X	
Sierra Leone	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards and certification	Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC					X		X	X	X		

Singapore	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis			Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.										
Solomon Islands	Facilitate participation in Network & thematic meetings		Assist with review of policy and legislative reviews as necessary. Assist in the application and enforcement of HCFC licensing and/or quota systems. This will include also regulatory support for the supply of ODS to foreign and locally flagged fishing vessels.	Support the engagement of the NOU work with national developmental priorities in particular Climate Impacts, Energy Efficiency, Post Disaster rebuilding and investments (private and public) involving the built infrastructure and having RAC systems.	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist NOU in the preparation, delivery and reporting on Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Support mentoring from more senior NOO of the PIC network to support the continued capacity building		X		X		X			
Somalia	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation for the New Ozone Unit.	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol		X							
South Africa	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC										
South Sudan	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,		Encourage use of iPIC			X		X					

Sri Lanka	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Address the use of non-ODS and technology in banning the equipment, Single window system in collaboration with Sri Lanka	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.					x			x		
Sudan	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Ozone Day celebrations						x				x		
Suriname	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with legislative review and enforcement of HCFC licensing and/or quota systems.	Foster linkages with national developmental priorities and environmental management, climate impacts, energy efficiency and capacity building	Promote use of online CP data reporting	Assist with Ozone Day celebrations. Awareness raising for general public, public and private sectors	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol			x		x	x	x		
Swaziland	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards and certification	Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC			x		x			x		
Syrian Arab Republic	Facilitate participation in network & thematic meetings	Assist to maintain compliance	Assist in enforcing the ODS policies and regulations including the licensing system	Assist in RAC technicians training	Assist in accurate and timely data reporting	Assist in developing targeted awareness materials and celebration of the ozone day	Facilitate S-S cooperation	Encourage adoption of iPIC system	Capacity building of NOU staff									Continue monitoring of security conditions in the country to explore possibility for engagement
Tanzania, United Republic of	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards and certification	Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC			x		x			x		

Thailand	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis			Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations		Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.								X	EC ODS destruction project
Timor-Leste	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with labelling schemes	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Advance training of existing Ozone Officer or assistant		X	X	X		X		
Togo	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with Non ODS survey and implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.	Advance training of newly appointed Ozone Officer and assistant		X		X		X	X	EC co-benefit PROJECT



Tonga	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis and provide early warning on potential non-compliance and support to sustain compliance	Assist with review of policy and legislative reviews as necessary. Assist in the application and enforcement of HCFC licensing and/or quota systems. This will include also regulatory support for the supply of ODS to foreign and locally flagged fishing vessels.	Support the engagement of the NOU work with national developmental priorities in particular Climate Impacts, Energy Efficiency, Post Disaster rebuilding and investments (private and public) involving the built infrastructure and having RAC systems.	Promote timely submission of ODS data/CP reports to Ozone Secretariat and Multilateral Fund Secretariat. Respond to potential NOO consultations on reporting.	Assist NOU in the preparation, delivery and reporting on Ozone Day celebrations. Awareness raising activities both for the general public and Public sectors,	Based on country specific needs facilitate south-south, north-south and triangular cooperation.	Encourage use of iPIC and facilitate exchange of information between importers and exporters countries.	Country has a very skilled and experienced NOO. This resource will be solicited to mentor other Junior NOO of the PIC		X					X		Country is also participating in the EC climate co-benefit project
Trinidad and Tobago	Facilitate participation in Network & thematic meetings	Conduct compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Foster linkages with national developmental priorities and environmental management, climate impacts, energy efficiency and capacity building	Support NOO in the collection, analysis and reporting of Article 7 and CP data reporting.	Assist with Ozone Day celebrations. Awareness raising for general public, public and private sectors	Facilitate S-S cooperation based on country specific needs	Encourage use of iPIC	Training of new Ozone staff on the management of the National Implementation of the Montreal Protocol								X	
Tunisia	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist in implementation of HPMP.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.	Promote access to technology information. Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC.									X	
Turkey	Facilitate participation of ozone officers / RAC experts in ECA meetings	Monitor reported ODS consumption / licensing & quota system / compliance support upon request	Sharing of HCFC / non-ODS related policies, legislation & standards during ECA meetings	Sharing of technology case studies, promoting technology awareness, RAC training & certification, good practices & safety during ECA meetings	Monitor & facilitate timely reporting of Article 7 / Country Programme data, ad-hoc assistance upon request	Encourage Ozone Day activities, outreach of awareness initiatives, technology awareness	Upon request (subject to fund availability)	Encourage iPIC consultations, analysis of differences in reported trade data, MP customs focal points	Training of new NOU staff upon request (subject to fund availability)								X	UNEP is cooperating agency for HPMP stage I (until 2017) und stage II (until 2022)





## Annex 1C-CAP 2017 budget

		Bud Ln	Component	Location			CAP 2017 ExCom 77
10			<b>PROJECT PERSONNEL COMPONENT</b>				
			<b>Title/Description</b>		<b>Grade</b>	<b>w/m</b>	
		1101	Head of Branch	Paris	D1	12	258,000
		1102	Senior Environment Officer - Network & Policy	Paris	P5	12	253,000
		1103	Programme Officer - Capacity Building	Paris	P4	12	221,000
		1104	Information Manager	Paris	P4	12	221,000
		1105	Project Operations	Paris	P4	12	221,000
		1106	Programme Officer - Policy & Tech Support	Paris	P4	12	221,000
		1107	Programme Officer - HCFC/non ODS Help Desk	Paris	P3	12	185,000
		1108	Programme Officer - ECA / Paris	Paris / ECA	P3	12	185,000
		1111	ECA Regional Network Coordinator	Paris / ECA	P4	12	221,000
		1121	ROAP Senior Regional Network Coordinator - SA	Bangkok	P5	12	213,000
		1122	ROAP Regional Network Coordinator - SEAP	Bangkok	P4	12	187,000
		1123	ROAP Coordinator - Transregional Capacity Building PICs)	Bangkok	P4	12	187,000
		1124	ROAP Programme Officer - HPMP (SEAP + PICs)	Bangkok	P3	12	151,000
		1125	ROAP Programme Officer - HPMP (SA)	Bangkok	P3	12	151,000
		1126	ROAP Programme Officer HPMP (SEAP + PICs)	Bangkok	P3	12	151,000
		1131	ROWA Regional Network Coordinator	Manama	P4	12	215,000
		1132	ROWA Coordinator International Partnerships	Manama	P5	12	227,000
		1133	ROWA Programme Officer - HPMP	Manama	P3	12	207,000
		1142	ROA Regional Network Coordinator (Francophone)	Nairobi	P4	12	203,000
		1143	ROA Regional Network Coordinator (Anglophone)	Nairobi	P4	12	203,000
		1144	ROA Programme Officer - HPMP (Anglophone)	Nairobi	P3	12	166,000
		1145	ROA Programme Officer - HPMP (Francophone)	Nairobi	P3	12	166,000
		1146	ROA Programme Officer (Francophone)	Nairobi	P2	12	98,000
		1147	ROA Programme Officer (Anglophone)	Nairobi	P2	12	98,000
		1151	ROLAC Regional Network Coordinator (Latin America)	Panama	P4	12	188,000
		1152	ROLAC Regional Network (Caribbean)	Panama	P4	12	188,000
		1153	ROLAC Programme Officer - HPMP (Caribbean)	Panama	P3	12	160,000
		1154	ROLAC Programme Officer - HPMP (Latin America)	Panama	P3	12	160,000

	1301	Principal Assistant HOB	Paris	G6	12	114,000
	1302	Programme Assistant - Regional Networks	Paris	G6	12	114,000
	1303	Programme Assistant (ECA)	Paris	G6	12	114,000
	1305	Programme Assistant - Information/ExCom	Paris	G5	12	102,000
	1306	Programme Assistant - Capacity Building/Information	Paris	G5	12	102,000
	1307	Programme Assistant - Operations	Paris	G5	12	102,000
	1311	Programme Assistant	Paris / ECA	G6	12	114,000
	1312	Budget & Finance Assistant	Paris	G7	12	120,000
	1317	Temporary assistance CAP				30,000
	1321	ROAP Programme Assistant (SA)	Bangkok	G6	12	66,000
	1322	ROAP Programme Assistant (SEAP)	Bangkok	G5	12	53,000
	1323	ROAP Programme Assistant (PIC)	Bangkok	G5	12	53,000
	1324	ROAP Programme Assistant	Bangkok	G6	12	59,000
	1331	ROWA Programme Assistant	Manama	G6	12	74,000
	1332	ROWA Programme Assistant	Manama	G6	12	74,000
	1341	ROA Programme Assistant (Anglophone)	Nairobi	G6	12	44,000
	1342	ROA Administrative Assistant (Global)	Nairobi	G5	12	36,000
	1343	ROA Programme Assistant	Nairobi	G6	12	44,000
	1344	ROA Programme Assistant (Francophone)	Nairobi	G6	12	44,000
	1351	ROLAC Programme Assistant	Panama	G4	12	32,000
	1352	ROLAC Programme Assistant	Panama	G6	12	45,000
		<b>COMPONENT TOTAL STAFF PERSONNEL</b>				<b>6,841,000</b>
1600		<b>TRAVEL</b>				
	1601	Paris staff travel	Paris			171,000
	1610	ECA staff travel	Paris / ECA			25,000
	1620	ROAP staff travel (SA)	Bangkok			33,000
	1621	ROAP staff travel (SEAP)	Bangkok			33,000
	1622	ROAP staff travel (PIC)	Bangkok			50,000
	1630	ROWA staff travel	Manama			45,000
	1640	ROA staff travel (Francophone)	Nairobi			60,500
	1641	ROA staff travel (Anglophone)	Nairobi			60,500
	1650	ROLAC staff travel (Caribbean)	Panama			35,000
	1651	ROLAC staff travel (Latin America)	Panama			35,000

		<b>COMPONENT TOTAL TRAVEL</b>				<b>548,000</b>
20/30		<b>REGIONAL ACTIVITIES</b>				
		<b>CONTRACT SERVICE COMPONENT</b>				
		2210 ECA South South cooperation/Regional awareness raising	Paris / ECA			20,000
		3210 ECA network meetings/thematic workshops	ECA			110,000
		<i>Subtotal ECA</i>				<i>130,000</i>
		2220 ROAP South South cooperation/Regional awareness raising (SA)	Bangkok			20,000
		2221 ROAP South South cooperation/Regional awareness raising (SEAP)	Bangkok			20,000
		2222 ROAP South South Cooperation/Regional awareness raising (PIC)	Bangkok			30,000
		3220 ROAP network meetings/thematic workshops (SA)	Bangkok			72,000
		3221 ROAP network meetings/thematic workshops (SEAP)	Bangkok			50,000
		3222 ROAP network meetings/thematic workshops (PIC)	Bangkok			75,000
		<i>Subtotal ROAP</i>				<i>267,000</i>
		2230 ROWA South South cooperation/Regional awareness raising	Manama			20,000
		3230 ROWA network meetings/thematic workshops	Manama			80,000
		<i>Subtotal ROWA</i>				<i>100,000</i>
		2240 ROA South South cooperation/Regional awareness raising (Francophone)	Nairobi			35,000
		2241 ROA South South cooperation/Regional awareness raising (Anglophone)	Nairobi			35,000
		3240 ROA network meetings/thematic workshops (Francophone)	Nairobi			140,000
		3241 ROA network meetings/thematic workshops (Anglophone)	Nairobi			140,000
		<i>Subtotal ROA</i>				<i>350,000</i>
		2250 ROLAC South South cooperation/Regional awareness raising (Caribbean)	Panama			20,000
		2251 ROLAC South South cooperation/Regional awareness raising (Latin America)	Panama			20,000
		3250 ROLAC network meetings/thematic workshops (Caribbean)	Panama			110,000
		3251 ROLAC network meetings/thematic workshops (Latin America)	Panama			100,000
		<i>Subtotal ROLAC</i>				<i>250,000</i>
		<b>Subtotal Regional activities</b>				<b>1,097,000</b>
		<b>GLOBAL SERVICES</b>				
40		4210 Clearing House	Paris			170,000
		4220 Capacity Building , Technical & Policy Materials	Paris			110,000
	*	4230 NOO Training programme lauched				40,000
	*	4240 Refrigerant drivers licence launched				40,000
	*	4250 Global training in refrigeration servicing sector				60,000

	*	4260	ODS Management in fishing sector					25,000
		4270	Emerging needs					55,000
			<i>Subtotal Global Services</i>					500,000
			<b>MEETINGS</b>					
50		5210	Advisory and consultative Meetings - Paris	Paris/REGIONS				60,000
			<i>Subtotal Meetings</i>					60,000
			<b>EQUIPMENT AND PREMISES</b>					
60		6210	Office Operations (equipment, rental, supplies & maintenance)	Paris				290,000
		6220	Office Operations (equipment, rental, supplies & maintenance)	Regions				270,000
			<i>Subtotal Equipment &amp; Premises</i>					560,000
			<b>REPORTING/COMMUNICATION</b>					
70		7210	Reproduction costs /Translations/Dissemination	PARIS/REGIONS				55,000
		7220	Communication (Paris and ECA)	Paris / ECA				55,000
		7230	Communication (Regions)	Regional				60,000
			<i>Subtotal Reporting/Communication</i>					170,000
			<b>COMPONENT TOTAL CONTRACT SERVICE</b>					2,387,000
			<b>99 TOTAL DIRECT PROJECT COST</b>					9,776,000
			<i>Programme support costs (8%)</i>					782,080
<b>90</b>			<b>GRAND TOTAL</b>					10,558,080

### Financial analysis

To deliver the planned comprehensive compliance assistance services to Article 5 countries during second year of the three year rolling CAP strategy, i.e. 2017, UNEP is requesting a total budget of US\$ 10,558,080 which includes the project cost of US\$ 9,776,000 and programme support costs (PSC) of 8% amounting to US\$ 782,080.

This 2017 CAP budget proposed represents a 2.47% net increase to cover inflationary costs related to staff commitments and based on programme needs to deliver the large portfolio of CAP services and project implementation<sup>1</sup>, applying Executive Committee Decision 47/24 and 50/26, recalled in 68/18(b). UNEP has made every effort to streamline expenditures and avoid an increase in the budget lines for activities. UNEP launched the innovative four global CAP products in 2016, completion of activities is foreseen before the end of the three year rolling strategy. UNEP will carryover corresponding budget lines, BL 2304-2307 to 2017, noting that all other unspent balances on budget lines will be returned as per ExCom decisions (Annex IF).

UNEP undertook an in-depth review of the actual annual expenditures for the CAP for the period 2014-2015 and this was compared with the actual expenditure for the current year up to July 2016 in order to have more accurate projections for 2017. This analysis indicated that the CAP budget is currently just adequate to cover the operations of UNEP. It should be noted that UNEP will return US approximately USD\$ 600,000 of the CAP 2015 budget to the 77<sup>th</sup> Executive Committee. All other unspent balances (2015 budget) are being reconciled between IMIS and UMOJA and will be available by the 77<sup>th</sup> ExCom.

### CAP budget proposal 2017

#### *Budget- Staffing lines*

Due to the growing emphasis on compliance assistance services and increased support to countries for project delivery, UNEP proposes the following changes in staffing.

**BL 1126 ROAP Programme Officer – HPMP (PICs)** Staff savings on vacant G staff posts in the regions (previous BL 1333 G6- Bahrain, previous BL 1353 G5- Panama and previous BL 1354 G3- Panama) will be used to create a new P3 post to assist with the increased workload in the Asia Pacific region specifically the Pacific Island countries with over 40 ongoing projects. Financial implications would be minimal and US\$ 31,000 will be offset from the BL 1317 Temporary Assistance CAP.

**BL 1131 ROWA Regional Network Coordinator** The incumbent on this post (P4) will retire in December 2017. Based on regional priorities, country needs and the number of country projects managed by different regional teams, UNEP would make propositions on the future of this post. The current RNC functions could be included into the upgraded P5 post BL 1132 ROWA Coordinator International Partnerships.

**BL 1312 Budget and Finance Assistant** With the savings from the decreased rental in Paris (move to UNESCO premises), we propose to create a post for Budget and Finance Assistant (G7) to support additional workload as regards the programme budget administration of project grants for some 500 projects in the new harmonised UN financial and administrative system called UMOJA. The responsibilities will include: follow-up on expenditure statements of completed projects with outstanding balances and monitor and ensure ExCom returns; ensure cash sufficiency by monitoring ExCom approvals versus returns; maintain all OzonAction Branch project-related financial records

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<sup>1</sup>. These increases are in line with the Noblemaire Principle being used by the International Civil Service Commission (ICSC) to have standard salaries for all United Nations staff in the different Agencies



and files; monitors MLF CAP and project budget implementation/expenditures and recommends reallocation of funds as necessary; ensures compliance with regulations and rules and established policies and procedures; assists in the preparation and finalization of budget performance submissions to MLF; analyses variances between approved budgets and actual expenditures; monitors integrity of the financial databases; co-ordinates with other regional CAP finance and budget staff on grants created in UMOJA as per ExCom decisions; verifies accuracy of input data, ensures consistency of data in previous allotments to new allotments issued.

**BL 1105 Project Operations. New P4 post proposed** Given the needs of the programme, the large portfolio of projects (>500) managed by the CAP, the administrative project monitoring, oversight and knowledge management will ensure better project performance review and analysis and harmonized project management practices and methods. Proposed responsibilities include: overall development, implementation, maintenance and review of electronic-based projects, systems and processes to facilitate the capture, storage, utilization, creation, and sharing of information and knowledge for MLF funded projects; and regular reports on all project implementation and challenges. We also propose the review, management and coordination of the OzonAction Management Information System (oMIS) as an integral to OzonAction’s internal project administrative monitoring mechanism.

**Reprioritisation of resources –CAP Activities 2017**

The 2017 CAP budget adjustments is presented under three broad headings: staffing, activities and operational in Annex IC.

**Budget and projects by region**

Region	2017 Budget	IS	HPMP: Lead	HPMP: Cooperating	HPMP Stage II preparation	Non-ODS survey
ECA: 12 Countries <sup>2</sup>	130,000	3	0	5	3	3
ROWA: 11 countries	100,000	5	4	3	4	4
ROLAC- Caribbean: 14 countries	130,000	13	12	1	1	10
ROLAC- Latin America: 10 South and 9 Central American countries	120,000	9	2	10	2	0
ROAP- SA: 13 countries	92,500	6	4	7	4	8
ROAP- SEAP: 12 countries	72,000	7	6 + 1 China Servicing	1	2	6
ROAP PIC: 13 countries	105,000	13	13	0	0	12
ROA-EN: 28 countries	175,000	23	12	0	1	21
ROA- FR- 26 countries	175,000	25	19	2	0	21

<sup>2</sup> Collaboration and joint activities in 2017 with the UNIDO- Russian Federation Regional Centre of Excellence for training and certification and demonstration of low-global warming potential alternative refrigerants

**UNEP COMPLIANCE ASSISTANCE PROGRAMME (CAP)  
2016-2018 THREE YEAR ROLLING STRATEGY**

Presented to the  
75<sup>th</sup> Meeting of the Executive Committee  
of the Multilateral Fund for the Implementation  
of the Montreal Protocol

5<sup>th</sup> October 2015



United Nations Environment Programme

## Three year rolling strategy - 2016-2018

### 1. INTRODUCTION

This document presents a three year rolling strategy for UNEP's Compliance Assistance Programme (CAP) for the years 2016-2018 for consideration of the 75<sup>th</sup> meeting of the Executive Committee. It has been prepared taking into account all Executive Committee Decisions, pertaining to CAP and recommendations.

CAP's primary role is to assist Article 5 countries to be in compliance with their obligations under this multilateral environmental agreement. In addition to the compliance relevant services, CAP provides an integrated range of capacity building support through the unique CAP Regional Network of National Ozone Officers (NOOs). This covers a wide range of topics including policies and enforcement, technical issues, assistance with data reporting, capacity building of new Ozone Officers, support for ratification, etc. Under the Clearinghouse mandate, CAP develops and delivers a wide range of need-based technical capacity building services, and information products/services for key stakeholders, including governments, NOUs, the private sector, institutions and inter-governmental bodies (Fig. 1).

Over the last twenty five years, UNEP has contributed to the very low rate of non-compliance to date, timely reporting of Article 7 & Country Programme data, high rate of ratification of Montreal Protocol & amendments and the setting up of national HCFC licensing and quota systems. The proposed three year rolling strategy brings to bear the expertise developed by CAP, build on the lessons learnt and aims to address in a better way the multitude of emerging trends, challenges and cross-cutting issues developing countries face in the context of the HCFC phase-out implementation.

UNEP developed this strategy based on the current and anticipated needs of Article 5 countries as assessed by the CAP regional teams, drawn from various sources<sup>1</sup>. The strategy is conceived as a rolling strategy, designed around four overarching objectives and specific strategic programme objectives or thematic orientations. These strategic programme objectives comprise actions and activities which can be modified and adapted during the course of the three year period to integrate both sectoral and inter-sectoral approaches. With a focus on compliance and LVCs, the South-South cooperation and North-South-South triangular cooperation approaches are distinct components of the strategy.

This strategy is proposed to be in phase with the UNEP three year rolling business plan (BP), which is endorsed by the Executive Committee at the last meeting of the year. UNEP proposes that on an annual basis it will submit for the Executive Committee's consideration an annual CAP workplan indicating specific activities with measurable benchmarks to be undertaken for the following year and the corresponding budget. UNEP will continue to provide the annual CAP progress report on specific compliance assistance services delivered to the Article 5 countries and CAP budget expenditures. The unifying theme for both the CAP and the BP three year rolling strategies is the contribution to the national ODS phase out through the CAP services and the Clearinghouse functions, implementation of the Institutional Strengthening (IS) and HCFC phase out Management projects (HPMPs) and assisting countries in the sustainable sound management of refrigerants.

### 2. OVERVIEW OF CAP

#### i) CAP services

"Compliance" and LVCs will continue to be a focus of the CAP three year rolling strategy- noting, building capacity for compliance and sound refrigerant management go hand in hand. All NOOs receive assistance under CAP (overview of CAP and services in Figure 1).

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<sup>1</sup>. Including *inter alia* direct feedback collected during meetings of the Regional Networks of Ozone Officers and through consultations with NOUs, Implementing Agencies, bilateral agencies, through the Business Planning process, and the advice received during the 2014 Compliance Advisory Group (10 July 2014, Paris) and CAP Consultation meeting (23 May 2015, Montreal). It also reflects compliance-related decisions taken in the 25 and 26<sup>th</sup> Meetings of the Parties (MOP), the 34-36<sup>th</sup> Open-ended Working Groups (OEWG), the 52<sup>nd</sup> and 53<sup>rd</sup> Implementation Committee meeting, the 72<sup>nd</sup>, 73<sup>rd</sup> and 74<sup>th</sup> Executive Committee meetings and the Multilateral Fund and Ozone Secretariat's latest Status Reports.

## ii) CAP and Multilateral Fund project implementation

### Institutional Strengthening and HCFC phase out Management Plans

In addition to the above CAP services, CAP is also responsible for delivering the Multilateral Fund projects approved for UNEP as per its 2015-2017 Business Plan. UNEP implements 105 projects at present. UNEP provides support as the Lead Agency in 71 national HCFC Phase out Management Plans (HPMPs) and as the Cooperating Agency in 30 countries. CAP performs the project development, monitoring and reporting duties required of all Implementing Agencies.

### Non ODS alternative surveys

CAP will coordinate closely with the 57 NOOs to undertake the non-ODS alternative country surveys, approved by the 74th Executive Committee<sup>2</sup>.

## iii) Implementation of projects complementary to HPMPs

CAP has mobilized funding and partnerships to assist countries to adopt alternatives and approaches to achieve climate co-benefits.



Figure 1 - Services delivered by CAP to Article 5 countries

## 3. STRATEGY FOR UNEP CAP

### i) Background

1. The Protocol has adopted an ambitious schedule for accelerated phase out of HCFCs, taking into account linkages and synergies with climate change mitigation. The HCFC phase-out presents issues and challenges for technology selection and policy responses that are different from the earlier CFC phase-out.

2. In delivering the portfolio of projects and CAP services over the past years<sup>3</sup>, the emerging responsibilities that continue to be identified by the NOOs in the current HCFC phase out include: political instability/conflicts, compliance monitoring (HCFC policy and quota systems and enforcement), regular turnover of NOUs & need for continuous capacity building, servicing sector challenges especially in LVCs (and particularly in the informal sector), different perspectives on climate co-benefits, uncertainty/availability/cost of non-HCFC technologies, lack of incentives for

<sup>2</sup>. MOP Decision XXVI/9, which included a request to ExCom (para4) to provide some additional funding to carry out "inventories or surveys on alternatives to ozone-depleting substances in interested parties operating under paragraph 1 of Article 5 upon their request".

<sup>3</sup>. From June 1991 until the end of May 2015, the Executive Committee approved 1,891 projects for implementation by UNEP. Of the 1,891 projects approved, 669 were time-sensitive Institutional Strengthening (IS) projects and 1,139 were objective-sensitive projects: Technical assistance (648), Training (196) and Country Programme (95), Project Preparation (195). UNEP has completed a total of 1,344 non-investment projects.

LVCs to adopt low- and zero-GWP energy efficient alternatives, flammable refrigerants, conversions (retrofit/drop-in), safety & standards, refrigerant quality issues: blends, counterfeit, contaminated refrigerants and illegal ODS trade.

3. Taking into account the specific challenges associated with the HCFC phase out, UNEP designed a three year rolling CAP strategy to be able to better meet the needs of LVCs and other Article 5 countries. The previous three track approach for CAP which was approved by the ExCom was a yearly programme, and whilst it worked in the past, the challenges facing the HCFC phase out would require a long term strategy to scale up programs, re-evaluate the CAP services, re-enforce partnerships, deliver sustainable training programmes and further strengthen the capacity of NOOs not only to manage the ODS phase out but also to be able to advise their governments to make informed decisions. Recurring activities such as the compliance assistance services (network meetings, clearing house, etc.) will continue throughout the three years, re-adjusted based on the lessons learnt.

4. The planned services and activities for the strategy will cover the period 2016-2018 and comprise the interconnected and mutually supporting CAP services to Article 5 countries<sup>4</sup>. A challenge for CAP and its Clearinghouse is to reposition its capacity building and ICE services to best address the evolving needs of countries relevant to the HCFC phase-out and in a timely manner. The critical elements of this revised CAP strategy revolves around the convergence between the seemingly dispersed issues of compliance, sustainable capacity building, technician training, climate, energy, HCFC policy and enforcement and targeted communications.

## **ii) Key features- overarching and strategic programme objectives**

5. In order to continue providing sustainable value-added services to countries to overcome the above challenges CAP will need to reorient strategies, foray into yet uncharted territories and network with new partners. This rolling three year strategy for the CAP is built around the mandate of UNEP and twenty five years of experience as an Implementing Agency by maintaining compliance<sup>5</sup>. This strategy aims at moving away from single one off initiatives to assembling all its resources, skills and experience to sustainable global CAP initiatives and products, whilst recognising the need for regional specificities. The revised logical framework analysis with yearly expected results, performance indicators and benchmarks will contribute to assessing the impact of interventions and activities, whilst providing the flexibility for re-orientation based on needs.

6. This rolling three year strategy is structured around four programme-driven overarching objectives, which constituted the three or four track approach used in previously approved CAP. The overarching objectives is based on the needs analysis of countries and aim to reinforce compliance assistance services to Article 5 countries in a more sustainable manner with measurable expected outcomes.

7. The overarching objectives (OOs) are translated into strategic programme objectives (SPOs) which are subsequently driven by actions and activities (Figure 2). Whilst the overarching objectives would steer the CAP over the three year period, these strategic programme objectives incorporates dimensions for policy advice, benchmarking, monitoring and evaluation and especially institutional and human capacity-building. Compliance assistance, South-South cooperation and North-South-South triangular cooperation approaches will be distinct components of each SPO, providing a platform which enables all Implementing Agencies, partners, and LVCs to share their experiences and to cooperate on issues of common concern. It also provides for both upstream and downstream

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<sup>4</sup>. Clustered as follows: CAP services: country-specific compliance assistance services, Regional Networks of Ozone Officers, country-to-country south-south cooperation, and regional awareness support. Global Information Clearinghouse services: services related to information, communication and education services as well as technical and specialised capacity building. Global Project Management: Support to the implementation and monitoring of the IS, HPMPs and non-ODS alternative surveys.

<sup>5</sup>. 'Capacity building has played an important role in helping Article 5 countries to achieve and maintain compliance, through UNEP's CAP and through IS projects. While it is impossible to determine the degree to which CAP is responsible for any country's compliance—given the multiple influencing factors—it is fair to say that CAP has played an important role in maintaining compliance across all regions.' According to ozone officers, in some cases a country's return to compliance was greatly facilitated by CAP assistance". Evaluation of the financial mechanism of the Montreal Protocol, 2012

interventions and offer the possibility to be readjusted, modified and or reinforced based on A5 country needs.

8. Each of the overarching programme objectives is accompanied by specific measurable and strategically chosen expected results (Figure 2). These expected results will provide an entry point to the annual CAP workplans and budget which contain the proposed activities, expected results, performance indicators and benchmarks. The annual workplans and budget, will be submitted to the Executive Committee for endorsement and approval by the last meeting of the year. The rolling strategy will allow for revision if necessary every year by the Executive Committee to reflect programme developments and Article 5 country needs.

#### Compliance assistance services and enforcement

9. In the last twenty five years, UNEP complemented, supported and backstopped the work of the other Implementing and bilateral Agencies in areas of its comparative advantage and expertise whenever opportune, agreed upon with the agencies concerned. UNEP will continue doing its work as follows: seek closer cooperation and coordination with the other Implementing Agencies (UNDP, UNIDO, World Bank), bilateral agencies, Multilateral Fund and Ozone Secretariat. UNEP will step up joint field missions to countries with potential non-compliance and or compliance challenges.

10. A flagship activity of UNEP and a core mechanism of the Multilateral Fund family of institutions, the CAP Regional Networks of National Ozone Officers will continue to provide a forum for experience exchange and knowledge transfer between the NOOs of Article 5 countries, while adopting innovative approaches and addressing priority thematic areas. Network consultations will be strengthened in this strategy, so that Implementing Agencies (UNDP, World Bank and UNIDO), Multilateral Fund and Ozone Secretariat, bilateral agencies and other partners will be better able to interact with all NOOs on compliance related issues and national HPMPs. Network and thematic meetings will be better designed to enable NOOs establish substantive cooperation at the regional level, provide an avenue to facilitate feedback on Ozone Officers' activities, progress made, challenges and needs as well as available opportunities.

11. CAP offers on average over 450 compliance assistance services yearly to Article 5 countries to achieve and sustain compliance. Under this strategy, UNEP will prioritise better to deliver timely assistance on the basis of countries' differentiated needs and ad hoc requests. In conformity with its mandate, UNEP will dedicate most of its resources to address specific problems of low volume consuming countries (LVCs) and very low volume consuming countries (VLVCs). The regional delivery mechanism of CAP is a distinct feature of the OzonAction Programme and will be further enhanced to better meet the needs of institutions. In collaboration with partners, UNEP will set up a mechanism for early identification of potential non-compliance and or regular follow up on the need for compliance assistance services.

12. The HCFC licensing and quota systems were established as a pre-requisite for accessing funds under the HPMPs. The informal and voluntary mechanism, iPIC (*informal Prior Informed Consent*), of information exchange on intended trade between the authorities initiated by UNEP CAP, has been recognised by the Parties of the Montreal Protocol as a useful tool which can be used to reduce discrepancies between import/export data, identify and reduce illegal trade and cases of noncompliance with domestic legislation. To date, iPIC counts 113 participating countries. In this strategy, all Network meetings will systematically include enhanced training on iPIC. CAP will encourage the use of iPIC by NOOs and custom focal points, for continuous high-quality data reporting, enforcement and effective management of national ODS phase out controls. Based on best practices, CAP will further establish cooperation between the NOOs, customs officers and relevant regional and international enforcement organizations.

### LVCs and the refrigeration servicing sector

13. For the majority of Article 5 countries, the refrigeration servicing sector continues to be the largest or the only consumer of ODS <sup>6</sup>. Training in good refrigeration practices was provided to all Article 5 countries under the CAP and through individual projects by bilateral agencies in some form or the other. Despite this, the need for sustainable refrigeration training programmes are more relevant now than during the CFC phase –out period. Feedback from the countries and Implementing Agencies indicates that a more robust long term approach is necessary. In this rolling strategy, CAP will engage all partners and the Implementing Agencies: to hold specific training for selected RSS technicians, design a roadmap with milestones to promote certification schemes, workshops on standards, high-ambient temperature RAC technology, energy efficient buildings/architects and contaminated refrigerants. CAP will continue to assist countries in introducing standards and codes on installation, servicing and record keeping for importers, dealers and servicing companies.

14. Building on positive feedback and experience, through Regional Networks of National Ozone Officers, CAP will raise awareness of NOOs, governments and stakeholders on compliance-relevant issues such as low-GWP energy efficient “Ozone2Climate” technologies and strengthen partnerships with key players in the refrigeration servicing sector.

### Partnerships for sustainable training and refrigerant management

15. Significant efforts have been made by CAP to bring on board the necessary partnerships for an effective, holistic HCFC phase out. Over the last years, CAP widened the scope and outreach to forge new partnerships that will support activities that have the potential to influence national HCFC policy and practice for effective ODS phase outs, sustainable technician training and climate co-benefits in the choice of alternative technologies. Today, these partnerships already constitute considerable in kind support and co-financing from non-Multilateral Fund sources.

16. Recognising that this necessitates a bolder forward looking approach towards training and refrigerant management, UNEP will develop and elaborate with all stakeholders a global training for technicians in good practices and in refrigerant management. Moreover, given the recent industry movement to address the issue of refrigerant management through a unified approach, particularly through an initiative called the Global Refrigerant Management Plan (GRMI), UNEP has been invited to be a key player in presenting the challenges faced by the developing countries to industry associations and to participate in the design of the GRMI.

17. In addressing the needs for certification of refrigeration technicians, an in depth national/regional analysis will ascertain the long term sustainability of programmes, institutionalization of training activities and address barriers and incentives. CAP will promote technician’s certification schemes and establishment of RAC associations to achieve in good practices in servicing.

18. Forward looking innovative global CAP initiatives that will promote the cross regional fertilization and south-south cooperation will be developed and launched by the three year period. The non- exhaustive initiatives includes: the NOO training scheme, Refrigerant Driver’s Licence, global training for refrigeration servicing sector technicians, promotion of establishment of certification schemes, studies on HCFC phase out implications in the marine/fishing sectors as regards training, capacity needs and technology options for management of ODS, policy measures to promote ozone and climate friendly technologies, and capacity building in non ODS alternatives.

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<sup>6</sup>. UNEP/OzL.Pro/ExCom/72/42. The servicing sector needs to build, develop and sustain capacities for the next generation of alternatives: however, in most LVCs the national institutional framework including policy and regulatory setting, standards, technical skills, knowledge and tools/equipment for servicing do not currently meet the minimum requirements necessary to manage the use of such alternatives safely.

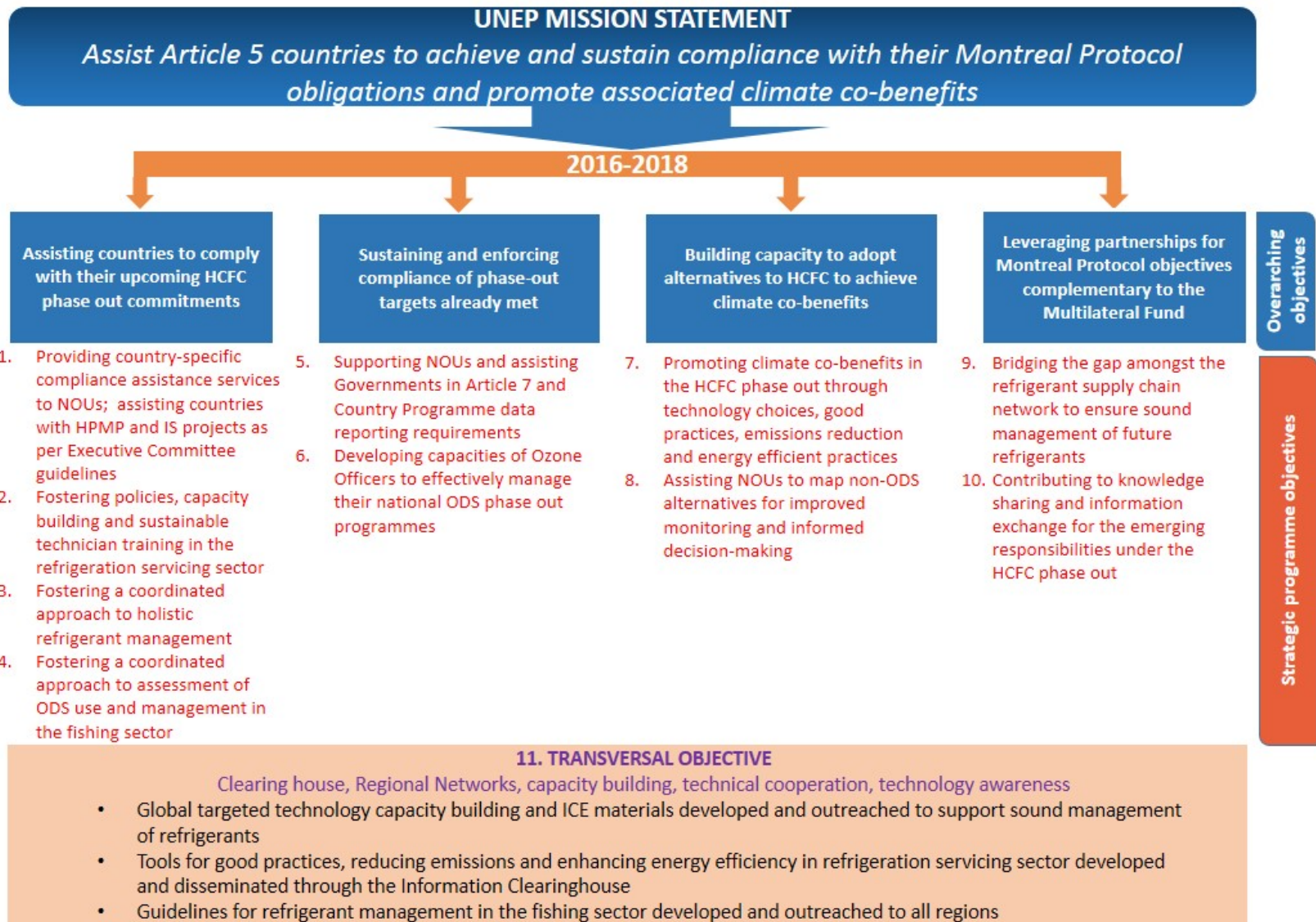


FIGURE 2 – STRATEGIC PROGRAMME OVERVIEW



#### 4. CAP FOCUS 2016-2018

##### i) **Overarching Objective 1:**

##### *Assisting countries to comply with their upcoming HCFC phase out commitments*

The HCFC phase out is proving to be a challenge for all Article 5 countries: managing the HCFC phase-out process, setting policies, monitoring and evaluating these policies, implementing HPMP components, making informed choices about non-HCFC technologies, sustaining training of NOOs and technicians and seeking co-financing and exploiting synergies with national development strategies will continue to guide CAP in the period 2016-2018.

UNEP will seek to accomplish this overarching objective through three strategic programme objectives:

##### **Strategic Programme Objective 1:** *Providing country-specific compliance assistance services to NOUs; and assisting countries with HPMP and IS projects as per Executive Committee guidelines*

CAP's assistance will continue to focus on support to all NOUs based on needs, ad hoc requests and or from other Implementing Agencies, either via specific country missions and or via the Regional Networks to monitor phase out commitments.

UNEP will in addition provide country support to the IS projects approved for UNEP.

##### Expected outcomes

- Compliance assistance services provided to all NOUs, especially the LVCs, via the ten Regional Network, thematic meetings, and the Information Clearinghouse.
- All NOUs supported to comply with HCFC phase out commitment.
- National HPMPs and IS projects implemented as per Executive Committee approval  
Countries assisted with reporting requirements, preparing, reviewing and submitting tranches of HPMPs and IS projects.

##### **Strategic Programme Objective 2:** *Fostering policies, capacity building and sustainable technician training in the refrigeration servicing sector*

Service technicians and operators need to be properly trained to safely commission, service, repair and decommission equipment based on alternative technologies (flammable, higher toxicity, higher pressure). HPMPs provide countries an opportunity to make the right technology choices of non-HCFC, low-GWP refrigerants and embrace energy efficiency. The training of technicians on good servicing practices and containment can reduce leakage rates and emissions and hence contribute to decrease the climate impact of HCFC phase-out.

Taking into consideration the decisions of the Executive Committee related to the refrigeration servicing sector, the experience gained in CAP on the review of stand-alone activities and phase-out plans<sup>7</sup> addressing the servicing sector, CAP will convene international service providers i.e., partners and institutions who provide ongoing training to develop a strategy and roadmap to elaborate a global training programme for service technicians.

##### Expected outcomes

- LVCs establish national and/or regional RAC industry associations and mainstream good practices training courses into the national curricula of vocational training schools.
- Cooperation with RAC associations, training institutes, private sector companies and regional initiatives strengthened; promote training and certification schemes.

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<sup>7</sup> Including *inter alia* training programmes for refrigeration technicians and customs officers; recovery and recycling schemes; and retrofit of refrigeration equipment, approved since the 4th meeting of the Executive Committee (June 1991). Including: refrigerant management plans (RMPs), terminal phase-out management plans (TPMPs), national phase out plans (NPPs) for non-low volume consuming (non-LVC) countries, and more recently HPMPs.

- Global online training programme for servicing technicians assessed and piloted. CAP will ensure global leadership and coordination of all stakeholders involved in training schemes for servicing technicians: global curricula and learning materials developed.
- Technician training modules developed in cooperation with key stakeholders and extended to cover the installation of equipment with flammable refrigerants.
- In delivering training workshops with partners, CAP will endeavour to establish long term sustainability of training programmes: explore how training activities could be fully institutionalized under the formal or vocational curriculum; and ascertain how countries ensure that only certified technicians handle flammable or toxic refrigerants.

**Strategic Programme Objective 3: *Fostering a coordinated approach to holistic refrigerant management***

Through collaborations with relevant industry partners UNEP will introduce a parallel and fast track qualification programme that can support governments' efforts to regulate the servicing sectors. This approach is built on a collaborative partnership established between UNEP and the global industry associations, represented by the Air Association of Heating, Refrigeration Institute (AHRI), to ensure its feasibility and success. The UNEP-AHRI joint initiative entitled the 'Refrigerant Driving License' (RDL) was launched in July 2015 at the 36th OEWG, Paris.

The development in the HVAC&R industry includes introduction and deployment of many new refrigerants as well as reviving the use of old known refrigerants that were not widely and commercially promoted (e.g. 'Natural Refrigerants'). Both broad categories of refrigerants and all future refrigerants that are being investigated as long term solutions would need special operational and/or safety characteristics to ensure the sound handling. This is important not only to avoid unnecessary emissions but also to secure safe operating conditions of HVAC&R systems operators and end-users. The HVAC&R Supply-Chain network globally includes different levels of ground-field players that deal with refrigerants and are directly responsible for managing the unwanted emissions of refrigerants. They comprise particularly the small and medium-sized segments of the servicing sectors.

The Montreal Protocol funding mechanism assisted Article 5 governments to develop and introduce different schemes for certifying and qualifying HVAC&R service technicians with the aim to minimize emissions and ensure the provision of good service practices while performing the job. Those schemes differ notably between different countries and regions in terms of their structure, comprehensiveness and ability to be adequately enforced. While some countries incorporated the certification schemes within the national professional competency certification programs, others designed special programs for licensing those who deal with refrigerants only or in addition to the standard professional competency certification programs. Both approaches have the convincing merits and arguments but what remains a big challenge for both approaches is the effectiveness of the enforcement and monitoring of those programs.

UNEP worked over the last 20 years to support Article 5 countries in establishing national certification schemes and implementing good practices training programs either directly through the CAP and the 1891 funded projects by the Multilateral Fund. While the impact of that work positively contributed to the smooth phase-out of ODS and built national capacities, the sustainability of the built capacities and platforms always remains questionable due to national competing priorities and limited resources to maintain the operation and monitoring of such schemes. The challenge of sound management of refrigerants remains more or less similar, in both developed and developing countries, with regards to securing adequate resources to ensure that the programs are well enforced and monitored. It's also worth mentioning that the certification and qualification schemes is facing an additional problem when it comes to the across-borders acceptability. A large number of HVAC&R technicians/specialists comprise a migrating working force that moves globally seeking for better opportunities and career development.

CAP has a major role to play to create an enabling environment for all stakeholders including the HVAC&R Supply-Chain network. Especially due to the ability/capacity, of the large industry stakeholders to set an example, within their corporate social/environmental responsibilities to lead the

sector to enforce and monitor the sound management of refrigerants. However, the absence of a global unified agreeable approach amongst HVAC&R industry remains the challenge.

To address the above challenges, UNEP and AHRI launched the Refrigerants Driving License (RDL). RDL aims at introducing a globally recognized qualification programme for the sound management of refrigerants. The proposal is not an attempt to replace or overrule any existing national or regional refrigeration and/or refrigerant certification scheme, but it's an effort to create an acceptable platform that stipulates the minimum requirements globally accepted by the HVAC&R Supply-Chain Network for the sound and safe use of refrigerants now and in the future<sup>8</sup>.

#### Expected outcomes

- Minimal global qualification programme for servicing technicians (Refrigerant Driving License) developed, launched and operational.
- Developing a globally acceptable programme that sets out the minimum qualification requirements for the HVAC&R Supply-Chain network whilst at the same time creating the international recognition of such programs by the industry and the governments.
- This unified programme should concomitantly address, but is not limited to, the requirements for sound management of different types of current and future refrigerants.
- The global HVAC&R industry will be the catalyst for the programme by ensuring its introduction and enforcement through its business networks.
- Resources for the RDL will be sought from different sources including, but not limited to, AHRI, participating associations and societies and the Multilateral Fund. UNEP foresees that RDL shall be self-sustained in the long term in terms of resources and operation through a business-model concept which will be part of its core operational mechanism.

#### ***Strategic Programme Objective 4: Fostering a coordinated approach to assessment of ODS use and management in the fishing sector***

Refrigeration is an essential technology in the refrigerated marine and fisheries industries. Shipping and fishing industries are large consumers of refrigeration technologies<sup>9</sup>. Currently, there is no standardized/agreed set of international rules/procedures on the reporting of ODS in marine vessels working in international waters. Noting MOP Decision XXIII/1<sup>10</sup> and the International Marine Organization commissioned 'Study on the treatment of Ozone-depleting Substances used to service ships'<sup>11</sup> and the implications for compliance, CAP mobilised new cooperative mechanisms to contribute to the assessment of ODS in the fishing sector<sup>12</sup>.

With the global phase-out of ODS, marine systems find it increasingly difficult to source HCFCs for servicing. This reduced availability of HCFC can result in illegal trade and/or supply of low quality and possible adulterated HCFCs. This has a great potential to damage the refrigeration systems and other environment and safety impacts and may also cause disruption in the value chain which depends on the cold chain. Given the volume of refrigerant use in this sector, there is a need for safe, secure and efficient shipping on cleaner oceans<sup>13</sup>. UNEP proposes to undertake pilot studies of ODS use and management in this sector, in collaboration with regional partners.

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<sup>8</sup>. UNEP and AHRI agreed to synergize the efforts of GRMI along with the RDL initiative through the close engagement of GRMI partners. Different levels of engagement will be offered to GRMI members i.e. HVAC&R associations and societies in order to ensure global ownership and acceptance and allow all to participate within their capacities and interest.

<sup>9</sup>. Regulation 14, paragraph 4 of the Revised MARPOL Annex VI requires that an Ozone Depleting Substance record book be maintained and completed when refrigeration system containing ODSs are maintained or when ODSs are either supplied or removed from the ship, and that "HCFCs will be prohibited in new installations after 01 January 2020"

<sup>10</sup>. This In November 2011 the Twenty-Third Meeting of the Parties to the Montreal Protocol adopted Decision XXIII/11: indicating that "they are mindful that many parties registered as flag states are unsure of the reporting requirements for ships under the Montréal Protocol, and are concerned that differing party interpretations of the Montréal Protocol with regard to the sale of ozone depleting substances to ships may result in the miscalculation of consumption or disparities in the reporting of consumption".

<sup>11</sup>. In 2012- IMO- (MEPC 64/INF.10) and 2011, IMO report to the 9<sup>th</sup> Meeting of the Parties to the Montreal Protocol.

<sup>12</sup>. UNEP CAP has been proactive in responding to the request from countries to address ODS in the fishing sector (e.g. Side event at 26th MOP, 2014 and UNEP-UNIDO-ASHRAE Hellenic Chapter Symposium, May 2015).

<sup>13</sup>. Ozone-depleting substances that may be found on board ship include, but are not limited to: Halon 1211, CFC-11, CFC-114, Halon1301, CFC-12, CFC-115, Halon 2402 and CFC-113. HCFC- uses: HCFC- contained foams, insulation Methyl Bromide- plant quarantine and pre-shipment, Fumigation of Cargo hulls, HCFC (R141b) Flushing of tubes, lines, HCFC Fire Extinguishers. The UNEP Montreal Protocol Technical and Economic Assessment Panel (TEAP Oct. 2014) reported that almost 80% of the existing fishing fleet uses HCFC-22. The requirements to manage the reduction of continued demand of HCFCs for this sector is urgent for Parties to the Protocol, industries and consumers.

#### Expected outcomes

- In collaboration with NOOs and other stakeholders, CAP will compile studies on HCFC phase-out implications in the marine/fishing sectors as regards, training, capacity needs, refrigerant repairs servicing skills and technological requirements. Additionally, the policies, practices, and technology options will be analysed with partners.
- CAP in collaboration with ASHRAE and partners will host an international symposium to raise awareness of compliance related to the HCFC management in marine and fishing sectors and the availability of climate friendly and energy efficient solutions.
- Through regional fora, Networking and Clearinghouse raise awareness on potential compliance related issues for monitoring ODS use in the fishing sector.

### **ii) Overarching Objective 2:**

#### ***Sustaining and enforcing compliance of phase-out targets already met***

In relation to policy issues, CAP provides assistance to Article 5 countries in designing, implementing and strengthening ODS licensing/quota systems as well as preparing and implementing HPMPs and promoting the implementation of relevant policies and standards.

UNEP will seek to accomplish this overarching objective through two strategic programme objectives.

#### **Strategic Programme Objective 5: *Supporting NOUs and assisting governments in Article 7 and Country Programme data reporting requirements***

##### Compliance assistance services and data reporting

For the period 2016-2018, CAP will provide continue policy support, technical assistance and guidance through CAP services, as well as project implementation to enable countries to sustain the already achieved compliance targets, and to ensure sustained compliance with 10% reduction in 2015. In collaboration with the Implementing Agencies, MLF and Ozone Secretariat, CAP will sustain provision of dedicated support to countries facing potential or actual non-compliance issues or particular challenges, as indicated below.

#### Expected outcomes

- Needs-based compliance assistance and capacity building services delivered to NOUs to collect and report accurate and timely ODS data (Article 7 and Country Programme data).
- Technical assistance to countries in regions to expedite implementation of HPMPs.
- Assist countries to ensure they sustain the compliance status already achieved, including the 2013 HCFC freeze, the 2015 10% HCFC reduction and 2015 total methyl bromide phase out, and maintenance of zero consumption of the other ODS already phased out.

##### Sustaining compliance- to prevent illegal ODS trade and strengthen enforcement

Given that illegal and unwanted ODS trade is a transnational issue, CAP experience has shown that international and regional cooperation is perhaps the most effective means to combat it. Cooperation and shared approaches to prevent the illegal ODS trade and regional enforcement are most effective and CAP will continue to work with international and regional partners to help prevent illegal trade in ODS and strengthen enforcement.

#### Expected outcomes

- Countries assisted in updating, monitoring and enforcement of HCFC licensing and quota systems and ODS regulations to facilitate / monitor legal trade and combat illegal trade.
- Active participation in *iPIC*, analysis of differences/discrepancies of reported trade data.
- Foster long term sustainability of training strategies for customs officers through e-learning modules developed by CAP in cooperation with World Customs Organization.
- Strengthen cooperation with regional and sub-regional organizations.
- Collaboration with UNEP's Division of Environmental Law and Conventions on inclusion of Montreal Protocol enforcement issues in their customs training programmes.

**Strategic Programme Objective 6: *Developing capacities of National Ozone Officers to effectively manage their national ODS phase out programmes***

Globally CAP will advocate for and develop tools to ensure NOOs have necessary capacity for holistic management, use and phase out of HCFCs. The country-driven approach requires countries to have Ozone Officers with the necessary advanced skills and continuous training to effectively manage various activities at national, regional and global levels. It should be emphasized that NOOs are constantly facing challenges in performing their tasks, these could range from the monitoring and enforcement of the ODS legislation, to HCFC licensing systems, to providing advice to the government on choice of technologies and country data reporting. CAP will implement a new approach - the “NOUs training scheme”.

Expected outcomes

- New Ozone Officers/assistants trained and advanced Ozone Officer Training scheme developed and operational. The NOOs training scheme fully operational by 2018.

**iii) Overarching objective 3**

***Building capacity to adopt alternatives to HCFCs to achieve climate co-benefits***

Alternative technology choice is a key issue for Article 5 countries. The issue of the climate impact of HCFC phase-out in the air-conditioning and refrigeration sector in the context of the HPMPs was discussed at several Executive Committee Meetings (66th – 68th). Various concerns were expressed, such as energy-efficient alternatives to HCFCs, barriers to adoption by Article 5 countries of low-GWP alternatives, the potential risks associated with them, as well as the lack of sufficient knowledge in handling the new alternatives being proposed<sup>14</sup>.

UNEP will seek to accomplish this overarching objective through 2 strategic programme objectives.

**Strategic Programme Objective 7: *Promoting climate co-benefits in the HCFC phase out through technology choices, good practices, emissions reduction and energy efficient practices***

CAP will work closely with the LVCs NOOs to establish relevant information on the overall refrigeration sector: undertake an analysis of the main sources of consumption and types of equipment in operation; document key stakeholders operating and servicing the equipment and their current status; provide updates on legal/regulatory frameworks in place; and if possible an understanding of the market forces (e.g. technologies and refrigerants available and their prices, regional and/or global influences). CAP will highlight how climate benefits are achieved through best practices, operations and design in the refrigeration and air conditioning servicing sector, particularly in the servicing of existing systems including assembly, installation, initial charging and commissioning.

Expected outcomes

- Provide information and support for policy measures to promote, as well as identify and barriers to the adoption of ozone- and climate-friendly technologies.
- NOOs sensitized about: policy frameworks and options to promote low-GWP non-ODS alternatives; substitutes and alternative refrigerants which are low and zero GWP.
- CAP will work jointly with bilateral agencies, inter-governmental organisations and others partners to promote ‘Ozone2Climate’ alternatives.
- Tools for good practices, reducing emissions and enhancing energy efficiency in refrigeration servicing sector developed and disseminated.

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<sup>14</sup> The Multilateral Fund Secretariat, as per Executive Committee Decision 68/11 and in consultation with the bilateral and implementing agencies, put forward a discussion paper (Executive Committee Document 70/53), briefly describing the key considerations to minimise the adverse climate impacts in the refrigeration servicing sector, providing an overview of the current situation in the sector, outlining the experiences gained from the CFC phase-out that can be applied to the phase-out of HCFCs, and proposed recommendations.

**Strategic Programme Objective 8: *Assisting NOUs to map non-ODS alternatives for improved monitoring and informed decision-making***

CAP will coordinate closely with the 57 NOOs to undertake the non-ODS alternatives country surveys, approved by the 74th Executive Committee according to the template and format collectively designed by UNEP CAP and the MLF Secretariat with inputs from Agencies<sup>15</sup>. CAP will assist NOOs to develop a compilation at national level of overall current status of refrigerant use and key stakeholders involved, to better understand the historical and predicted consumption trends for non-ODS alternatives, including both low and high-GWP alternatives, and their distribution by sector and subsector. The inventories, in addition to the HPMP implementation will provide a comprehensive overview of their national markets where ODS alternatives have been (and will be) phased in, while taking into consideration existing technologies. The project activities will be carried out through the engagement of suitable national and international industry experts, who will be identified in close coordination with the NOUs. The survey is planned to be coordinated through the established HPMP stakeholder infrastructure which includes regular meetings and workshops and, providing an ideal vehicle for general stakeholder engagement. Other activities will include desk-based data collection and analysis from institutional sources including the NOU, importers and/or distributors of ODS alternatives, industries, and industrial/trade associations; site visits; consultative workshops and meetings; and assessment of the institutional, regulatory and policy framework controlling ODS, greenhouse gases and other air pollutants.

Expected outcomes

- Countries supported to map non-ODS alternatives through surveys.
- Current consumption and estimated growth patterns of ODS alternatives by substance established. Linkages to national HPMPs as well as challenges/opportunities for transition to ODS alternatives identified.
- National technology roadmaps for low-GWP non-ODS alternatives developed.

**iv) Overarching objective 4**

***Leveraging partnerships for Montreal Protocol objectives complementary to the Multilateral Fund***

Partnerships with other stakeholders are necessary for the implementation of Decision XIX/6 and related Executive Committee decisions. In light of the above, and in the context of the HCFC phase out, over the years, CAP built partnerships and cooperating ties with key international and regional industry organisations, associations and societies with the aim to support phase-out and compliance activities in Article 5 countries with state-of-art services and up-to-date technological knowledge and assistance. All HPMPs include a section that addresses the extent to which the benefits beyond those associated with the ozone depletion potential (ODP) value of phasing out HCFC could be addressed through financial incentives and opportunities for co-financing and how such programmes could be implemented.

**Strategic Programme Objective 9: *Bridging the gap amongst the refrigerant supply chain network to ensure sound management of future refrigerants***

In the period 2016-2018, CAP will continue to strategize partnerships and cooperating relationships to ensure provision of the required support for the RSS. The list of partners that CAP established over years include a different range of partners: Industry associations such as AHRI & AREA, Intergovernmental specialized organizations like IIR, HVAC&R Societies such as ASHRAE and training institutes such as Centro Studi Galileo. Such a diversity of partners allows for the provision of appropriate and competent services to each group of RSS stakeholders and the possibility of delivering quicker messages. The comparative advantage of each organization/association will be the basis of building the partnerships to avoid duplication of efforts, provision of service to the right

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<sup>15</sup>. MOP Decision XXVI/9, which included a request to ExCom (para4) to provide some additional funding to carry out "inventories or surveys on alternatives to ozone-depleting substances in interested parties operating under paragraph 1 of Article 5 upon their request". Executive Committee Decision 54/39(h) encouraged countries and agencies to explore potential financial incentives and opportunities for additional resources to maximize the environmental benefits from HCFC Phase out Management Plans.

audience and ensure integrating Montreal Protocol objectives into the agenda of partners. Cooperation with partners and special initiatives is indicated below.

The supplemental projects, for which CAP obtained funding outside of the MLF, aim to build and expand on the information collected under the HPMP (funding sources include the CCAC, USEPA, EC and Australia). The projects are in line with the MOP Decision XIX/6 objective of minimizing impacts on the climate and with Executive Committee Decision 54/39(h) on mobilizing co-financing of the climate dimension of the HCFC phase out. CAP consulted widely with countries and NOOs in the mobilisation of complementary resources.

#### Expected outcomes

- Information, knowledge and know-how about management of refrigerants shared through multi-stakeholder partnerships.
- National refrigeration servicing sector institutional capacities strengthened.
- Collaborative South-South cooperation and industry partnerships pursued for promoting sustainable technician training programmes.

### **Strategic Programme Objective 10: *Contributing to knowledge sharing and information exchange under the emerging responsibilities under HCFC phase out***

#### *Standards and safety*

As many of the alternatives available or being developed are classified with some level of flammability, regulations, codes of practices, and standards (i.e. on storage, transportation, design of systems and components, maximum refrigerant charge, installation, servicing and disposal of equipment) must be adopted to ensure safe introduction of these technologies<sup>16</sup>. CAP undertook initial capacity building work in this area in different sessions during thematic or Network meetings and developed factsheets and introductory handbooks on international standards and safety issues in the RAC sector. CAP is assisting a number of countries, based on needs, in introducing standards and codes on installation, servicing, design, emission reductions etc.

#### Expected outcomes- Standards and safety

- In collaboration with partners: CAP networks to share knowledge and information on international and regional standards applicable to the RAC sector; and advocate for the integration of safe use of flammable, higher toxicity/pressure refrigerants into training.
- Training conducted on recovery and recycling of HCFCs to avoid retrofitting<sup>17</sup>.

#### *Buildings and HCFCs*

In many developing countries, most of the ODS consumption takes place in the building sector, which is expected to grow significantly in the coming decades. Globally, most of the energy used in buildings is for heating, ventilation, air-conditioning and refrigeration (HVAC&R). ODS in buildings are primarily used for HVAC&R systems, insulation and foams applications as well as fire extinguishing systems. The integration of Montreal Protocol related objectives in national policy, regulatory and standardization framework for buildings has the potential to deliver the twin benefits of climate protection as well as accelerated ODS phase-out. In the last four years, CAP has collaborated with building associations and architects and organised special sessions during Network and thematic meetings. NOOs received first-hand information on ODS use in buildings.

#### Expected outcomes - Buildings and HCFCs

- NOUs sensitised - energy efficiency and not-in-kind technologies for green buildings.
- Established cooperation with UNEP's Sustainable Consumption and Production (SCP) Branch and the Sustainable Climate and Building Initiative.

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<sup>16</sup>. UNEP/OzL.Pro/ExCom/70/53/Rev.1\* Discussion paper on minimising adverse climate impact of HCFC phase-out in the refrigeration servicing sector (Decision 68/11)

<sup>17</sup>. CAP will caution against retrofitting existing equipment – particularly air conditioners, and any equipment with large charge size – to flammable refrigerants and ensure countries are aware of Decision 72/17.

### **Transversal Strategic Programme Objective 11: *Leveraging the Clearinghouse: developing capacity building tools and targeted information for managing the HCFC phase out***

In addition to the above Strategic Programme Objectives under the four Overarching Objectives, CAP proposes an 11<sup>th</sup> Strategic Programme Objective, which is cross-cutting or ‘transversal’ in nature, feeding in to all four the Overarching Objectives.

UNEP Information Clearinghouse has a mandate under the Article 10 of the Montreal Protocol. Informed decision-making processes at various levels require immediate access to accurate, timely and relevant technical information. The priority focus will be to continue assisting Article 5 countries to achieving and sustaining compliance with their Montreal Protocol obligations and promoting associate climate co benefits through the overarching and strategic programme objectives identified above. Global targeted technology capacity building and information, communication and education (ICE) materials will be developed and outreached to support these efforts.

#### *Capacity building*

‘Capacity building services’ is one of the main components delivered as part of the Global Information Clearinghouse services mandate of Article 10 of the Montreal Protocol. The capacity building activities will support all ten strategic programme objectives. The capacity building services and tools for 2016-2018 will comprise up to date practical, usable technical information tools and materials developed to assist developing countries to fulfil their commitments under the Montreal Protocol.

#### Expected outcomes- capacity building

- Manuals developed on good practices in servicing, installation and sound deployment of alternatives (AHRI-UNEP global refrigerant qualification programme).
- Lead the development of global training manuals for servicing technicians with partners and stakeholders. Explore technical and vocational education training on best practices.
- Implement a strategy to leverage messaging through industry associations/private sector.
- Focus on producing shorter and faster information such as fact sheets and policy briefs on relevant topics: safety of alternatives, national, regional and international standards, guidance on setting up and cooperation with RAC associations; information and support to countries/regions on certification mechanisms for servicing technicians, etc.
- Key information will be adapted into smartphone applications to reach servicing technicians, especially the informal sector.
- “Mine” existing Multilateral Fund data/information to share with NOUs and other stakeholders, this will be pursued in order to draw on lessons learnt.
- Continued development of targeted capacity building tools and materials for the enforcement community to better monitor trade and detect and prevent illegal trade.
- The fisheries sector will be a new area of focus for capacity building and pilot studies on ODS use and management completed.

#### *ICE*

Consistent with the objectives outlined in the UNEP Business Plan of this triennium, UNEP will continue to design, develop, deliver and support a wide range of need-based technical capacity building services, ICE products/services to support national compliance objectives relative to the Montreal Protocol for key stakeholders<sup>18</sup>.

#### Expected outcomes-ICE

##### *Information*

- NOUs and other stakeholders receive information support. Fact sheets, policy briefs and publications on prioritised topics developed and disseminated; countries encouraged to translate and adapt existing materials.
- Develop and outreach short need-based audio-visual materials or application based training as means of communicating with servicing technicians in informal sector.

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<sup>18</sup>. Communication Strategy for Global Compliance with the Montreal Protocol developed by UNEP in 2010



- Technology options in the refrigeration servicing sector, good servicing practices and safe introduction of new equipment, collected and distributed.
- Highlight Stage I HPMP case studies from different regions: draw on lessons learned, identify the commonalities in the barriers, and success factors to overcome the barriers.
- OzonAction Special Issue for 2016, 2017 and 2018 in Arabic, Chinese, English, French, Russian and Spanish produced in hardcopy and electronic format.

*Communication*

- OzonAction web services enhanced and improved with more relevant and targeted contents integrated fully with OzonAction social media platforms, including development of a 'one stop shop' repository of information and tools for national ozone officers, based on the UNEP Guide for NOOS and the 'one stop shop' repository for customs officers.
- Improved social media to outreach activities and outputs, including Facebook, YouTube, Slideshare and Twitter; global and regional webinars on relevant issues.
- Partnerships and linkages with other international, regional, national and corporate initiatives to propagate or incorporate targeted messages related to Montreal Protocol.
- Relevant ozone/Montreal Protocol issues outreached at key international, regional and national fora, using effectively web, social media and e-conferencing; exhibitions, specific events in Montreal Protocol meetings.
- Fortnightly OzoNews news service with targeted articles.

*Education*

- To ensure the long-term sustainability of the Montreal Protocol compliance in Article 5 countries, guidance materials for Ozone Officers, relevant Ministries and other stakeholders regularly produced.

## ANNEX IF - EXECUTIVE COMMITTEE DECISIONS RELATED TO UNEP CAP

While preparing this proposal, UNEP took into account the following Executive Committee decisions specifically related to CAP:

Decision	Action requested	Response
75/38(c)	Requested UNEP to continue to submit an annual work programme and budget for the CAP, including: <ul style="list-style-type: none"> <li>▪ Providing detailed information on the progress of the four new activities identified in the 2016 work programme where the global funds would be used until their completion;</li> <li>▪ Extending the prioritization of funding between CAP budget lines so as to accommodate changing priorities, and to provide details on the reallocations made in its budget pursuant to decisions 47/24 and 50/26; and</li> <li>▪ Reporting on the current staff post levels and informing the Executive Committee of any changes thereto, particularly in respect to any increased budget allocations.</li> </ul>	This information is provided the present proposal for the CAP 2017 Work Programme and Budget and in the Annexes IC and ID on the budget.
74/10	Requested UNEP to submit its written report on the audit of the UNEP OzonAction Branch to the 75th meeting so that the Committee could keep those issues under consideration in the context of the approved Compliance Assistance Programme budget.	Details of the actions taken to implement the OIOS audit recommendations were submitted to the 75th meeting of the Executive Committee.
73/53	Requested UNEP to report to the 74th meeting on actions taken to implement recommendations 1, 2, 3 and 4 taken from the May 2014 report of the UN Office of Internal Oversight Services audit of the UNEP OzonAction Branch. <ul style="list-style-type: none"> <li>▪ UNEP to review the existing organizational arrangements to ensure for clear accountability and efficient and effective delivery of the OzonAction Branch programme of work in accordance with ExCom decisions</li> <li>▪ UNEP to put in place a mechanism to ensure that funds are used as approved, any variances disclosed and unspent funds returned to the ExCom in a timely manner</li> <li>▪ Define a mechanism that projects are financially closed no more than 18 months after date of operational completion</li> <li>▪ UNEP to ensure that it does not enter into contractual arrangements that duplicate the services of the Compliance Assistance Project.</li> </ul>	As above.
73/53	Requested UNEP in future submissions of the CAP to continue providing: <ul style="list-style-type: none"> <li>▪ Detailed information for which global funds would be used.</li> <li>▪ Extending prioritization of funding between CAP budget lines so as to accommodate changing priorities and to provide details, pursuant to decisions 47/24 and 50/26, on the reallocations made.</li> <li>▪ Reporting on current post levels of staff and informing on any changes thereto, particularly with respect to any increased budget allocations.</li> </ul>	This decision is superseded by decision 75/38(c). Detailed information on use of global CAP funds are provided in Annex ID.
70/10(d)(ii)	Requested UNEP to continue providing reports on the utilization of Compliance Assistance Programme (CAP) staff for Multilateral Fund Montreal Protocol activities according to the following five categories in the context of annual progress and financial reports: <ul style="list-style-type: none"> <li>▪ Projects and services approved by the Executive Committee;</li> <li>▪ Pursuing synergies or implementing joint activities with other non-Multilateral Fund partnerships and initiatives;</li> <li>▪ Mobilizing resources for ozone protection activities from entities outside of Multilateral Fund;</li> </ul>	The use of CAP staff time, which covers the period 1 August 2015 to 24 August 2016, is indicated in Annex Annex 2D.

Decision	Action requested	Response
	<ul style="list-style-type: none"> <li>▪ UNEP-wide processes and activities; and</li> <li>▪ Administrative activities.</li> </ul>	
70/10(d) (iii)	Requested UNEP to provide a status report to the 71st meeting on the extent to which UNEP had implemented measures to ensure that all professional staff time paid with CAP funds was used for Multilateral Fund Montreal Protocol activities, in line with decision 50/26(a)(iii).	This decision is implemented as above.
70/10(iv)	Requested UNEP to ensure that Regional Network Coordinators were directly accountable to the Network and Policy Manager in the OzonAction branch, based on the CAP organigram presented in the 2010 CAP budget (UNEP/OzL.Pro/ExCom/59/17), and according to the CAP structure indicated in the original description of the CAP programme provided in UNEP/OzL.Pro/ExCom/35/4.	See Annex 2D.
69/8	Approved UNEP's 2013-2015 Business Plan, included approval to move UNEP's logical framework analyses from the Business Plan to the CAP Budget starting from the 2014 CAP Budget cycle, in the interest of further streamlining those processes.	The LFAs are included in Annex IA of this proposal.
66/16(v)	Requests UNEP to present its detailed annual progress report on CAP activities to the third meeting of each year in the context of the annual CAP approval, and to identify any project implementation impediments for the CAP project in the Annual Progress and Financial Report.	This information is provided in Annex 2A, 2B and 2E of this proposal.
68/18(b)	Requests UNEP, in future submissions of the CAP budget, to continue: (i) Providing detailed information on the activities for which the global funds would be used; (ii) Extending the prioritization of funding between CAP budget lines so as to accommodate changing priorities, and providing details on the reallocations made in its budget pursuant to decisions 47/24 and 50/26; and (iii) Reporting on the current staff post levels and informing the Executive Committee of any changes thereto, particularly in respect of any increased budget allocations.	The present budget proposal includes sections that address each of the elements in this decision under Annex IC and ID.
60/6(i)	Requests UNEP to submit a complete list of special compliance assistance activities with the CAP budget (submitted to the last Meeting of the Executive Committee each year) so that the Executive Committee would be able to examine and approve the budget in a more holistic manner.	This information is presented in Annexes 2A and 2B.
52/7	Followed the Final Report on the Evaluation of the CAP Programme, requests UNEP to consider further regionalization of CAP resources and to focus the CAP on specific priority areas and activities.	Additional regionalization of CAP resources will be done as per regional needs in 2017.
50/26(c)	Requires that the CAP budget should only be spent in accordance with the terms of reference for the financial mechanism contained in Article 10 of the Montreal Protocol and therefore resources should not be spent on inter-multilateral environmental agreement coordination activities.	The CAP budget continues to be spent by UNEP in accordance with the terms of reference for the financial mechanism
47/24	Requires that (a) Requests for future increases in the CAP budget would be limited to 3 per cent, unless the Executive Committee was given evidence that inflationary pressures justify otherwise; and (b) UNEP was encouraged to continue to extend the prioritization of funding between CAP budget lines so as to accommodate changing priorities.	The present proposal adheres to this decision.
26/41	Establishes the Programme Support Cost rate for UNEP as follows: (a) 13 per cent on projects up to a value of \$500,000; (b) For projects with a value exceeding \$500,000 but up to and including \$5,000,000, an agency fee of 13 per cent should be applied on the first \$500,000 and 11 per cent on the balance; (c) to assess projects with a value exceeding \$5 million on a case-by-case basis; (d) 0% for Institutional Strengthening projects (e) 8% for CAP.	The present proposal adheres to decision on CAP.

**ANNEX 2A – PROGRESS REPORT – Achievements relative to 2016 Logical Framework Analysis**

<b>UNEP CAP Mission statement:</b> Assist Article 5 Countries to achieve and sustain compliance with the Montreal Protocol obligations and promote associated climate co-benefits				
Objectives	Expected results	Performance Indicators	Benchmarks	Achievements since last CAP WAB submission (1-Oct-2015 to 30-July-2016)
<b>Overarching objective 1: Assisting countries to comply with their upcoming HCFC phase-out commitments</b>				
<p><b>STRATEGIC PROGRAMME OBJECTIVES</b></p> <p><b>SPO 1</b> Providing country-specific compliance assistance services to NOUs; assisting countries with HPMP and IS projects as per Executive Committee guidelines</p> <p><b>SPO 2</b> Fostering policies, capacity building and sustainable technician training in the refrigeration servicing sector</p> <p><b>SPO 3</b> Fostering a coordinated approach to holistic refrigerant management</p> <p><b>SPO 4</b> Fostering a coordinated approach to assessment of ODS use and management in the fishing sector</p> <p><b>Transversal SPO 11</b> Leveraging the Clearinghouse: developing capacity building tools and targeted information for managing the HCFC phase-out</p>	<p>Countries supported through specific compliance assistance services to comply with HCFC phase-out commitments</p>	<p>Support NOOs in national assessments of 10% HCFC reduction; compliance assistance services provided to all NOOs requiring assistance</p> <p>Progress in HCFC phase-out regularly monitored and used as input for development of appropriate policies and action plans in respective A5 countries</p>	<p>National assessments are done and all countries in potential non-compliance are identified and required assistance provided</p> <p>All UNEP lead agency HPMP projects progress according to the agreed Plan of Action</p>	<p>Countries were supported through specific compliance assistance services to comply with their HCFC phase-out commitments.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>National assessments were done and all 10 countries in potential non-compliance were identified and required assistance was provided: Dominica, Guatemala, Haiti, Iraq, Libya, Mauritania, Somalia, South Sudan, Syria, and Yemen<sup>1</sup>.</li> <li>Countries were assisted in addressing data discrepancies between Country Programme and Article 7 reports.</li> <li>ECA supported data analysis of data discrepancies in particular in Azerbaijan, Bosnia and Herzegovina, Serbia and Uzbekistan, where reported exports exceeded reported imports (potential compliance issue)</li> <li>Due to specific circumstances CAP experienced challenges in supporting several countries during this period: Central African Republic, DPRK, Haiti, Syria, and Yemen.</li> <li>All HPMP projects in countries with agreed Plans of Action for which UNEP was the Lead Agency of the HPMP progressed according to plan, except Antigua, Barbuda and Myanmar. As an HPMP Cooperating Agency, UNEP collaborated with other agencies according to agreed work plans.</li> </ul>
	<p>HPMPs and IS projects implemented as per schedule</p>	<p>National HCFC phase-out policies reviewed; plans of action implemented and operational</p> <p>Remaining countries assisted in preparing and submitting HPMPs</p> <p>Countries assisted in preparation, review and submission of HPMP tranches and IS projects to ExCom</p>	<p>All NOOs receive guidance on national policies</p> <p>Botswana, Mauritania and South Sudan HPMPs submitted</p> <p>HPMP tranches and IS projects are submitted based on BP 2016 – 2018</p>	<p>All HPMPs and IS projects for which UNEP was responsible were implemented as per schedule.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>All National Ozone Officers (NOOs) received guidance on enforcement of national policies and quota systems as requested/needed.</li> <li>South Sudan was assisted to establish its operational licensing system and the country issued a Ministerial Order for the control of ODS. Mauritania was assisted with its licensing system, but still needs to update to include accelerated phase out commitments, during HPMP preparation. Burundi was assisted with HCFC quota system, but still has to formalise it</li> <li>HPMP for Botswana was submitted. HPMP for South Sudan was drafted for submission to ExCom-77. HPMP for Syria will be submitted once security conditions permit (all necessary assistance is being provided to ensure compliance).</li> <li>ExCom-75 approved for UNEP: 2 district cooling feasibility studies, Stage-II of the high ambient project (PRAHA-II), 11 HPMP Stage I tranches, 9 HPMP Stage I verification, 1 HPMP Stage II preparation, 3 HPMP Stage II tranches and 22 IS projects. UNEP assisted countries with preparing and submitting these projects.</li> <li>ExCom-76 approved for UNEP: 2 demonstration projects, 19 HPMP Stage I tranches, 2 HPMP Stage II tranches and 16 IS projects. UNEP assisted countries with preparing and submitting these projects.</li> <li>HPMP Stage I verification reports for Ethiopia, Gambia, Malawi, Rwanda and Uganda were prepared and finalised. Burkina Faso verification report will be finalised and submitted to ExCom-77.</li> <li>Provided special support to overcome delays for IS project implementation in Guatemala and Peru.</li> <li>Despite Umoja<sup>2</sup> challenges, UNEP fast-tracked payments and contracts in the last part of this period.</li> </ul>
	<p>Strengthened institutional capacities to manage emerging responsibilities under the HCFC phase-out</p>	<p>Raise awareness of NOUs on standards and good practices in HCFC phase-out processes in RSS</p> <p>First assessment of ODS use and management in the fishing sector</p>	<p>All Regional Networks receive relevant training</p> <p>At least 4 regional thematic workshops in cooperation with partners</p> <p>All network countries benefitting from capacity building initiatives (standards and safe handling of refrigerants)</p>	<p>Institutional capacities were strengthened to manage emerging responsibilities under the HCFC phase-out.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>Organised eight network meetings and 11 regional thematic workshops in cooperation with partners.</li> <li>Through workshop special sessions, all NOUs and relevant stakeholders received relevant training and benefitted from capacity building initiatives on standards and safe handling of refrigerants, standards and certification, recovery and reclamation, and enforcing licensing and quota systems. A specialised regional thematic workshop on standards for the RAC and Foam sectors was organised in West Asia with recognised participation of industry and standards authorities.</li> </ul>

<sup>1</sup> Support was offered to Yemen but unable to deliver due to conflict situation and inability to provide assistance on ground or assess exactly compliance implications

<sup>2</sup> UMOJA is a new UN Secretariat-wide financial management system which was introduced in UNEP in 2015

Objectives	Expected results	Performance Indicators	Benchmarks	Achievements since last CAP WAB submission (1-Oct-2015 to 30-July-2016)
			<p>At least two innovative information tools (e.g. Smart Apps) developed on sound management of refrigerants</p> <p>The first assessment is initiated in cooperation with partners</p>	<ul style="list-style-type: none"> <li>Developed five innovative information tools: (1) Smart phone application (iPhone and Android) for National Ozone Units including all OzonAction publications (2) Social media platforms, such as Facebook (account and page), Twitter, YouTube, LinkedIn, Slideshare and Hootsuite (3) Refrigerant Management: Special University Course for Future Engineers (4) Technical News Drops (new short video service) related to high ambient countries (5) Training News Drops (new short video service) on refrigeration servicing.</li> <li>Initiated cooperation with AREA<sup>3</sup> for developing Training Kits on new refrigerants for the use by different training centres and institutes in A5 countries. Work plan initiated and work will continue for 18 months.</li> <li>The first assessment of ODS in fishing sector was undertaken: UNEP in partnership with the TEAP Task Force presented the results to OEWG-38.</li> </ul>
	Supported establishment of RAC associations in each region	<p>RAC associations cooperation strengthened</p> <p>Guidelines on establishment of RAC associations developed</p> <p>Building capacities of RSS technicians</p>	<p>Establish partnerships with ASHRAE Regional Chapters</p> <p>At least one association per region receive/use HCFC training materials</p> <p>Set of guidelines presented to at least two network meetings for possible validation</p> <p>Guidelines translated into UN languages and disseminated in all network meetings; fact sheets developed and outreached</p>	<p>Cooperation with RAC associations was strengthened in: Anglophone Africa, Europe and Central Asia, Pacific Islands and West Asia.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>Partnerships were established with ASHRAE Regional Chapters including cooperation with ASHRAE-UAE to organise a High Ambient Forum in the margins of MOP-27 (Oct-2015), cooperation with ASHRAE Thailand for the organisation of international conference on Sustainable RAC in Marine/Fisheries in 2017 and cooperation with ASHRAE-Cairo to support the preparation of Stage-II of HPMP of Egypt.</li> <li>Initiated global survey in cooperation with ASHRAE to map the need for establishing and/or strengthening RAC associations in Article 5 countries under the ASHRAE-UNEP joint work plan.</li> <li>Cooperated with ASHRAE Associate Alliance Societies (AASA) which includes 60+ RAC societies and associations in all continents for developing work plan to support new RAC associations in A5 countries.</li> <li>Set of guidelines for establishment of associations was presented to network meetings.</li> <li>Two factsheets developed in collaboration with ASHRAE</li> </ul>
	Fostering policies, technology capacity building and sustainable training programmes for RSS technicians in all regions	<p>Analysis / assessment of available on-line training courses for different level technicians</p> <p>Assess national qualification and certification systems for technicians in RSS</p> <p>Development of new initiative on sound management of refrigerants (<i>Refrigerant Driving License</i>),</p>	<p>At least two roundtables with relevant institutions and stakeholders,</p> <p>Agreement on draft outlines for different levels of training for RSS technicians</p> <p>Partnerships established to evaluate and assess systems and or provide support</p> <p>Development of technical scope, classification of qualifications, technical modules, evaluating modules and the operating admission and qualification scheme</p> <p>At least one regional</p>	<p>Policies, technology capacity building and sustainable training programmes for RSS technicians were fostered in: Africa, Asia Pacific, Europe and Central Asia, Latin America, Pacific Islands, and West Asia.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>Roundtables with relevant institutions and stakeholders were organised on: (1) good servicing practices for longer term RAC alternatives in the PICs, Latin America and the Caribbean, (2) flammable refrigerants and room AC in the Asia-Pacific region, and (3) Ozon2Climate industry roundtables in Africa, China, Europe and Central Asia, Latin America and the Caribbean.</li> <li>Launched the implementation of the international UNEP-AHRI initiative Refrigerant Driving License (RDL) in cooperation with ABRAVA, ACAIRE, AREA, EPEE, JRAIA, Refrigerants Australia, the Alliance for Responsible Atmospheric Policy, ASHRAE, GiZ and UNIDO<sup>4</sup>. Activities included: (a) three different partners meetings were organised during Sep-2015 - Aug-2016, the advisory committee was established and work plan developed and endorsed by the committee, (b) feedback was compiled from NOUs in ROLAC, SA and SEAP networks, (c) draft documentation is under preparation with plan to complete preparatory stage in early 2017 which will include the qualification levels and operational mechanism, and (d) pilot phase will start in 2017 (interested countries and RAC associations are mobilised for the pilot stage including China, which included RDL in its Stage II of its HPMP for the Servicing Sector).</li> <li>The certification schemes for Oman and the Kingdom of Saudi Arabia were developed and used as a model in the region,</li> </ul>

<sup>3</sup> European association of refrigeration, air conditioning and heat pump contractors

<sup>4</sup> ABRAVA = Associação Brasileira de Refrigeração, Ar Condicionado, Ventilação e Aquecimento; , ACAIRE= Asociación Colombiana de Acondicionamiento del Aire y de la Refrigeración, AREA = European association of refrigeration, air conditioning and heat pump contractors, EPEE = European Partnership for Energy and the Environment, JRAIA = Japan Refrigeration and Air Conditioning Industry Association, ASHRAE = American Society of Heating, Refrigerating, and Air-Conditioning Engineers

Objectives	Expected results	Performance Indicators	Benchmarks	Achievements since last CAP WAB submission (1-Oct-2015 to 30-July-2016)
			assessment study is drafted and presented	including the technical scope, classification of qualifications, technical modules, evaluating modules and the operating admission and qualification. The F-gas certification concept has been also introduced as an alternative path for quick adoption (12 technicians have been certified to date). <ul style="list-style-type: none"> <li>ECA supported Kyrgyzstan to prepare the Practical guide for the certification of RAC technicians in Russian for the region.</li> </ul>
<b>Overarching objective 2: Sustaining and enforcing compliance of phase-out targets already met</b>				
<p><b>STRATEGIC PROGRAMME OBJECTIVES</b></p> <p><b>SPO 5</b> Supporting NOUs and assisting Governments in Article 7 and Country Programme data reporting requirements</p> <p><b>SPO 6</b> Developing capacities of National Ozone Officers to effectively manage their national ODS phase-out programmes</p> <p><b>Transversal SPO 11</b> Leveraging the Clearinghouse: developing capacity building tools and targeted information for managing the HCFC phase-out</p>	Supporting National Ozone Officers and Governments in Article 7 data reporting and sustaining compliance	<p>Countries in actual or potential non-compliance (as per MOP decisions and/or as per reported Article 7 data and trend analysis) assisted</p> <p>Needs-based compliance assistance and capacity building services delivered to NOOs, as required, to fulfil commitments under the Montreal Protocol; ensuring countries are in compliance with data reporting</p> <p>All new NOOs receive training and support to effectively fulfil their duties</p> <p>NOU advanced training programme developed and piloted</p> <p>Capacity building of NOOs in emerging areas addressing low GWP refrigerants through collaborative activities with range of partners</p> <p>South-South Cooperation initiatives supported</p>	<p>All countries in actual or potential non-compliance received CAP assistance outside the network meetings</p> <p>All countries which requested additional assistance from CAP submit Article 7 data and CP data in a timely manner</p> <p>All new NOOs receive basic training on MP, compliance/enforcement and project management issues; NOU guide translated into all UN languages/ specific fact sheets developed</p> <p>At least, one network of NOUs receive advanced training based on a proposed model</p> <p>At least, two regional thematic workshops address low GWP refrigerants issues</p> <p>Two initiatives per region in building capacity and knowledge sharing exchanges</p> <p>Networking between North African and West Asian countries through twinning activities promoted</p>	<p>138 National Ozone Officers and Governments were supported for Article 7 and CP data reporting and sustaining compliance. CAP regularly communicated with NOOs to submit Article 7 and CP data on time. Upon request from the country, CAP reviewed the draft Article 7 and CP data to ensure that the report was in accordance with the template and provided observations for country consideration. Support for accurate reporting is provided to almost all countries, even if they did not participate in network meetings.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>All countries in actual or potential non-compliance received CAP assistance outside of the network meetings, including: Antigua and Barbuda, Dominica, Guatemala, Haiti, Libya, Mauritania, Saint Kitts and Nevis, Somalia, South Sudan, Suriname, and Syria. Support was offered to Yemen but unable to deliver due to conflict situation and inability to provide assistance on ground or assess exactly compliance implications.</li> <li>All countries which requested, were provided additional assistance from CAP for submission of Article 7 data and CP data in a timely manner.</li> <li>All new NOOs and/or assistants received basic training on Montreal Protocol, compliance/enforcement and project management issues: three countries from Europe and Central Asia (Serbia, Macedonia FYR, Turkey), three from SEAP (Lao, Myanmar, Timor Leste), seven from PICs (Marshall Islands, Vanuatu, Nauru, Kiribati, Tuvalu, Niue, Papua New Guinea), four from Latin America (El Salvador, Guatemala, Ecuador, Peru), three from Caribbean (Belize, Dominica, Saint Lucia), four from Latin America (Ecuador, El Salvador, Guatemala, Peru), three from West Asia (Iraq, Qatar, Syria). For South Asia no specific training was conducted in the period but extra capacity building efforts were made for new NOOs from Afghanistan, India and Pakistan.</li> <li>Developed outline and roadmaps for two training modules for: (1) introductory training for newly-appointed National Ozone Officers (NOOs), and (2) advanced training for experienced NOOs. Presented outlines of the proposed modules to Africa, West Asia, Asia Pacific, and Latin America &amp; Caribbean network meetings.</li> <li>Regional thematic workshops were organised to address low GWP refrigerant issues: Asia and Pacific, SEAP, PICs, Africa and ECA.</li> <li>Developed and disseminated fact sheets on: (1) Free Trade Zones and Trade in ODS (2) Informal Prior-Informed Consent (iPIC) Mechanism- 2016 update (3) HS Nomenclature (HS Codes) for HCFCs and other ODS (4) Most Commonly Traded HCFCs (5) Commonly used Refrigeration Mixtures Containing HCFCs (6) Commonly Used Non-ODS Substitutes for HCFCs (7) Common HCFC Containing/Reliant Products and Equipment (8) Montreal Protocol and Human Health (9) Tracking Methyl Bromide Consumption for QPS (10) QPS Uses of Methyl Bromide, (11) Management of ODS in the Global Fishing Industry (12) Promoting Low-GWP Refrigerants for Air-conditioning Sectors in HAT countries (Nov 2015 and update July 2016). CAP translated two of the above factsheets into Spanish.</li> <li>The NOU guide was translated into French and Spanish, updated and disseminated.</li> <li>Networking between North African and West Asian countries through twinning activities was enhanced in first full joint Network meetings (South-South Cooperation).</li> </ul>

Objectives	Expected results	Performance Indicators	Benchmarks	Achievements since last CAP WAB submission (1-Oct-2015 to 30-July-2016)
	Supporting NOOs and countries for enforcement of quota systems and prevention of illegal trade in HCFCs	<p>Support to NOOs for reinforced licensing and quota systems, as required</p> <p>South-South cooperation on enforcement issues supported</p> <p>Online training for customs officers made available to regions and in UN languages</p> <p>Activities with WCO for promoting customs training</p>	<p>NOOs receive support to review national licensing and quota systems, based on requirements</p> <p>One joint activity organised and supported for training of custom officers</p> <p>At least, two networks deliver the training in available UN languages</p> <p>Joint information outreach and demonstration of online training</p>	<p>NOOs and countries were supported for enforcement of quota systems and prevention of illegal trade in HCFCs.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>• NOOs received support to review national licensing and quota systems, based on their requirements in eight regional network meetings, through 600 CAP services and specific country missions.</li> <li>• CAP supported three countries of the PIC region with their preparation of required reports to the Ozone Secretariat on documentation of illegal ODS imports.</li> <li>• Two joint activities were organised and supported for training of custom officers in (1) Francophone Africa and (2) ECA.</li> <li>• World Customs Organisation (WCO)/UNEP OzonAction e-learning for customs and enforcement officers on illegal trade and the Montreal Protocol was updated (NOUs are also granted access on request) – on WCO <i>CLIKC!</i> Platform (klikc.wcoomd.org)</li> <li>• ECA organised customs cooperation meeting in Ashgabat and the ECA ozone protection award for customs &amp; enforcement officers (info note and summary of seizures &amp; iPIC consultations) in cooperation with WCO, OS, MFS (in English and Russian).</li> <li>• Information materials and online trainings (UNEP-WCO e-learning for customs officers; iPIC online) were presented and demonstrated at network meetings and outreach.</li> </ul>
	Global ICE materials and activities developed to support Governments in HCFC phase-out “need-based technical capacity building services, information, communication and education (ICE) products/services to support national compliance objectives relative to the Montreal Protocol for key stakeholders” designed, developed and delivered.	<p>Innovations in production and delivery of global and regional information products and services</p> <p>OzonAction web services upgraded</p> <p>Short need-based audio-visual materials and application-based training developed and launched</p> <p>New technology options in the refrigeration servicing sector, good servicing practices and safe introduction of new equipment promoted</p> <p>Collated information about flammable refrigerant safety for technicians and RAC associations</p> <p>OzonAction Special Issue for 2016 in UN languages produced in hardcopy and electronic format</p> <p>Strategic outreach at key international, regional and national fora, using effectively web, social media and e-conferencing; exhibitions specific events in Montreal Protocol meetings, regional and national events.</p> <p>Outreach and facilitate adoption of use of existing capacity building tools, such as the iPIC mechanism and Montreal Protocol Customs Training e-learning module, etc.</p> <p>Fortnightly OzoNews news service with targeted articles to keep key members of the Montreal Protocol community up-to-date with latest news and information</p> <p>Video/e-learning on role of standards in HPMPs for NOUs developed.</p> <p>Booklet/guide on current methods of ODS smuggling and risk profiling</p>	<p>Global and regional information products and services destined for new target audiences or that reach existing target audiences in new ways; 7 such products and services</p> <p>Targeted, relevant and simplified website navigation</p> <p>Targeted communication with servicing technicians in the large informal sector</p> <p>Outreach of fact sheets through Montreal Protocol meetings and network meetings; collection and distribution of information about not-in-kind technologies.</p> <p>Outreach information through regional network meetings. Outreach through OzonAction website and social media and Montreal Protocol and network meetings</p> <p>Two OzonAction side-events at OEWG and</p>	<p>Need-based capacity building services and information, communication and education (ICE) materials and activities were developed and shared to support national HCFC compliance objectives.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>• Ten new global and regional information products and services were developed: (1) "Technical News Drops" video service created to highlight the success of NOOs in implementing national HCFC phase out and sharing lessons learnt. (2) Safe Use of HCFC Alternatives in Refrigeration and Air-conditioning: an overview for developing countries (3) Customs officer's quick tool for screening ODS in English, French and Spanish (4) Seven iPIC instructional (how to) videos and text-based iPIC user guides to assist NOUs with using iPIC (5) Twenty-one new fact sheets and policy briefs produced, two of which were in collaboration with ASHRAE. (6) CCAC case studies (nine) on lower GWP options in transport and commercial refrigeration (funded outside of Multilateral Fund); (7) Developed videos on good practices, safety and handling of flammable refrigerants (ongoing); (8) publication on "National Certification Schemes for RAC Servicing Technicians" (9) "Minimising Quarantine and Pre-shipment Uses of Methyl Bromide: Tools for Controlling, Monitoring and Reporting."; (10) Created seven iPIC instructional (how to) videos and text-based iPIC user guides to assist NOUs with using iPIC</li> <li>• Launched special 16-week academic course on Refrigerant Management for Undergraduate engineering students in cooperation with the American University in Beirut (AUB) and international reviewers from 5 countries.</li> <li>• OzonAction website was redesigned and improved to provide targeted, relevant and simplified website navigation. (www.unep.org/ozonaction/)</li> <li>• Started development of targeted communication with servicing technicians in informal sector (ongoing).</li> <li>• Developed and outreach, through Montreal Protocol meetings and network meetings, fact sheets on: (1) Safe Use of Flammable Refrigerants (2) Safe Use of Higher Pressure Refrigerants (3) Safe Use of Higher toxicity Refrigerants (4) Global Warming Potential Values for Refrigerants: Why are Particular Values Used? (5) Ozone Depleting Potential Values for Refrigerants: Why are Particular Values Used? (6) Certification of Refrigeration and Air Conditioning Service Technicians (7) Refrigerant Blends - Calculation of ODP (8) Refrigerant Blends - Calculation of GWP. Also translated three of these fact sheets into French and Spanish, and one into Arabic (ECA is currently translating all 10 fact sheets into Russian).</li> <li>• In addition to eight network meetings and 11 regional thematic workshops, organised two seminars on PRAHA and High Ambient Temperature (HAT) challenges at the 24<sup>th</sup> International Congress of Refrigeration and at the ASHRAE Annual Winter Conference.</li> <li>• Information about not-in-kind technologies was developed and distributed (National Certification Schemes for Refrigeration and Air-conditioning Service Technicians: Examples of strategies and requirements for their establishment and operation; Safe Use of HCFC Alternatives in Refrigeration and Air-conditioning: an overview for developing countries)</li> <li>• Organised four side events at MOP-27: (1) Energy-efficiency and Refrigerants management towards Sustainable Cold</li> </ul>

Objectives	Expected results	Performance Indicators	Benchmarks	Achievements since last CAP WAB submission (1-Oct-2015 to 30-July-2016)
			<p>MOP on new activities; 2 new publications outreached at OEWG and MOP; 4 new fact sheets distributed</p> <p>Outreach through OzonAction website and social media and Montreal Protocol and network meetings</p> <p>Two issues per month distributed</p> <p>At least 1 video/e-learning produced</p> <p>One booklet/guide produced</p>	<p>Chain (2) Addressing the Challenges in the RAC Servicing Sector (3) Managing ODS in Refrigeration and Air-conditioning Sectors: Special Course for Engineering Colleges" (4) "Management of ODSs in the Global Fishing Industry". Also launched annual OzonAction Special Issue: 30 Years of Healing Ozone Together: Beyond HCFCs.</p> <ul style="list-style-type: none"> <li>Organised side-event at OEWG-37 "Standards for low-GWP Refrigerants: Prospects and Challenges", and three side-events at at OEWG-38: (1) "Alternatives for Air-conditioning Industry in High Ambient Temperature Countries: Key Findings and Future Work of PRAHA and US_DOE Testing Projects": (2) "Refrigerants Management: Special Course for Future Engineers" with new USB-keys including the course modules and activities and (3) "Sustainable Management of refrigeration Technologies in the Fisheries Sector."</li> <li>Organised exhibition booth for MOP-27 and resumed OEWG-37 and OEWG-38 and new materials and translations were distributed in hard copies and USB-keys.</li> <li><i>The OzoNews</i> newsletter prepared and distributed on a fortnightly basis</li> <li>Ongoing</li> </ul>

**Overarching objective 3: Building capacity to adopt alternatives to HCFCs to achieve climate co-benefits**

<p><b>STRATEGIC PROGRAMME OBJECTIVES</b></p> <p><b>SPO 7</b> Promoting climate co-benefits in the HCFC phase-out through technology choices, good practices, emissions reduction and energy efficient practices</p> <p><b>SPO 8</b> Assisting NOUs to map non-ODS alternatives for improved monitoring and informed decision-making</p> <p><b>Transversal SPO 11</b> Leveraging the Clearinghouse: developing capacity building tools and targeted information for managing the HCFC phase-out</p>	<p>National Ozone Officer capacities are reinforced on associated climate co-benefits of the HCFC phase-out and technology choices</p>	<p>All NOOS are trained in network and or thematic meetings on low GWP and non ODS alternatives</p> <p>Industry and private sector mobilised in particular with issues related to alternatives for high ambient temperature conditions</p> <p>Country surveys on use of non-ODS undertaken ; awareness about non ODS surveys and national technology roadmaps developed</p> <p>Capacity building for non-ODS survey implementation</p>	<p>At least five network meetings with one session on the issue of low GWP and at least five thematic meetings with one session on non ODS alternatives</p> <p>One high ambient temperature symposium</p> <p>57 country non-ODS alternative surveys undertaken and draft reports available</p> <p>NOOs have access to guidance, information and training on non-ODS survey implementation</p>	<p>National Ozone Officer capacities were reinforced on associated climate co-benefits of the HCFC phase-out and technology choices.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>Organised eight thematic meetings for Network members, with sessions on low-GWP, non-ODS alternatives organised for NOOs and RAC experts in: Africa (1), Europe and Central Asia (2), Latin America and Caribbean (1), PIC (1), SEAP (2), West Asia (1).</li> <li>The Africa-West Asia Joint Network meeting included special sessions on new alternatives technologies and associated challenges with standards, safety, energy efficiency, and performance. In West Asia, a thematic session was held on standards for the RAC and foam sectors relevant to the new low GWP alternatives with intensive industry engagement; along with several national thematic workshops on related aspects.</li> <li>Technicians from PIC countries participated in training on safe use of low-GWP alternatives under an EC bilateral project funded outside of Multilateral Fund, "Maximising the climate benefits of the HCFC phase out."</li> <li>Organised the Technical Forum on Research Projects for Alternative Refrigerants in High Ambient Countries.</li> <li>Completed and released the final report of the West Asia PRAHA project on promoting low-GWP Alternatives for A/C industry in high ambient temperature countries.</li> <li>Support provided to 86 countries for non-ODS alternative surveys.</li> <li>NOOs were provided with guidance on data collection, information sources, use of Multilateral Fund survey format, and training on non-ODS survey implementation in all regional networks.</li> </ul>
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**Overarching objective 4: Leveraging partnerships for Montreal Protocol objectives complementary to the Multilateral Fund**



Objectives	Expected results	Performance Indicators	Benchmarks	Achievements since last CAP WAB submission (1-Oct-2015 to 30-July-2016)
<p><b>STRATEGIC PROGRAMME OBJECTIVES</b></p> <p><b>SPO 9</b> Bridging the gap amongst the refrigerant supply chain network to ensure sound management of future refrigerants</p> <p><b>SPO 10</b> Contributing to knowledge sharing and information exchange under the emerging responsibilities under HCFC phase-out</p> <p><b>Transversal SPO 11</b> Leveraging the Clearinghouse: developing capacity building tools and targeted information for managing the HCFC phase-out</p>	<p>Information and knowledge on sound management of refrigerants shared through multi-stakeholder partnerships.</p> <p>Cooperation and partnerships pursued to promote sustainable technician training programmes.</p>	<p>Strategy developed to leverage partnerships on climate co- benefits</p> <p>Activities with partners for promoting low GWP alternatives</p> <p>Implementation of specific projects complementary to MLF and added benefits to HPMPs</p>	<p>Up to 4 needs-based multi-stakeholder partnerships established; areas for collaboration explored</p> <p>New forms of cooperation developed to strengthen capacity of NOOs and technicians</p> <p>Outcomes of specific projects complementary to MLF outreach to NOUs and other stakeholders to support HPMPs and assist countries to achieve climate co-benefits</p>	<p>Information and knowledge on sound management of refrigerants was shared through multi-stakeholder partnerships. Cooperation and partnerships were pursued to promote sustainable technician training programmes.</p> <p><i>Specific achievements include:</i></p> <ul style="list-style-type: none"> <li>• New forms of cooperation were developed to strengthen the capacity of NOOs and technicians as well as promote low-GWP alternatives and technologies, with partners including IIR, AHRI, EPEE, AREA, JRAIA and CHEAA<sup>5</sup>.</li> <li>• Provided support to the US global project on testing for high ambient in its phase-I and phase-II through participating in the advisory panel and securing prototypes for phase-II of the project</li> <li>• Joined the International Technical Committees/Groups to ensure consideration of the needs of Article 5 countries. Committees/Groups include: IIR International Workgroup on sustainable cold chain in hot climates, ASHRAE Refrigeration Committee, ASHRAE Research Committee and US-DOE high ambient project Advisory Panel.</li> <li>• A consultation meeting was organised in West Asia in cooperation with industry and refrigerants importers to discuss best approaches for enhanced management including the ban of non-refillable cylinders.</li> </ul> <ul style="list-style-type: none"> <li>• Outcomes of specific projects complementary to Multilateral Fund were outreach to NOUs and other stakeholders to support HPMPs and assist countries to achieve climate co-benefits (CCAC, USEPA, EC, China Trust Fund).</li> <li>• Organised three international events on PRAHA projects with high exposure of UNEP-UNIDO's work to policy and technical stockholders worldwide.</li> <li>• Demonstration project on refrigerant quality, containment and introduction of low-GWP refrigerants was carried out with UNIDO.</li> </ul>

<sup>5</sup> IIR = International Institute of Refrigeration; AHRI = Air-Conditioning, Heating, and Refrigeration Institute; EPEE = European Partnership for Energy and the Environment; AREA= European association of refrigeration, air conditioning and heat pump contractors; JRAIA = Japan Refrigeration and Air Conditioning Industry Association; CHEAA = China Household Electrical Appliances Association

**ANNEX 2A BIS**  
**PROGRESS REPORT ON THE FOUR NEW GLOBAL CAP ACTIVITIES**

**(i) NOO training programme**

*Overview*

This activity was part of the UNEP CAP 2016-2018 Three Year Rolling Strategy endorsed by the 75th Meeting of the Executive Committee, as part of Strategic Programme Objective (SPO) 6, *Developing capacities of National Ozone Officers to effectively manage their national ODS phase out programmes*. The expected outcomes include: New Ozone Officers/assistants trained and advanced Ozone Officer Training scheme developed and operational. The NOOs training scheme fully operational by 2018.” The training programme also contributes to SPO 5, *Supporting NOUs and assisting governments in Article 7 and Country Programme data reporting requirements*.

Under this activity, UNEP is developing two new training modules:

- Introductory training for newly appointed NOOs, assistants and other staff including consultants.
- Advanced (refresher) training for experienced NOOs.

The two training packages are following the same approach, but with different content. The training will cover areas such as: Ozone treaties and policies; legislative development; enforcement and compliance activities; leadership and supervision of activities; implementation of Multilateral Fund projects; timely and appropriate reporting; organisational and performance management; strategic thinking; and professional networking and partnerships. Each training package will have the following types of components: booklets; standard agendas; presentation materials; audio-visual materials; handouts and check lists; posters and wall charts; and homework.

The curricula will involve several steps: (a) reading and/or exercises by the participants as preparation before the training session (b) 2 or 3-day training session (c) follow up exercises and knowledge checks after the training session. The training will be delivered two ways: (a) Regional training: Ozone officers and NOU staff and consultants from several countries within a region are brought to one location for a 2 or 3-day training programme (b) National training: In cases where several new NOU staff are appointed in one country, a 2 or 3-day training programme for participants of that country only.

*Progress*

UNEP established a consultancy contract with an individual expert in May-2016. The selected candidate has outstanding experience, knowledge and understanding of NOO needs. The consultant produced 5 iterations of the outline and roadmap for each of the two training modules. Both were reviewed multiple times by CAP staff. CAP presented the planning for the development of the modules, and/or the outlines of the proposed content, to the following Meetings of the Regional Networks of Ozone Officers:

- Joint Networks and Thematic Meetings of Ozone Officers for English-French Africa and West Asia (17-23 March 2016, Victoria Falls, Zimbabwe)
- Joint Meetings of the Central America, Latin America and the Caribbean Networks of Ozone Officers (18-19 May 2016, Santiago, Chile)
- Meetings of the Asia-Pacific Networks of Ozone Officers (14-20 June 2016, Suva, Fiji)

Support for the training was high amongst the participating Ozone Officers. For example, the Chile meeting recommendations included: “21. Countries were encouraged to take advantage of UNEP’s training programme for National Ozone Officers which will be launched in early 2017. There was wide appreciation and support for this initiative which is expected to have a direct, positive impact on NOUs. Countries have the opportunity to suggest topics for consideration to be included in the training programme.” During those meetings, UNEP also invited the Secretariats, Implementing Agencies, and bilateral agencies to contribute their suggestions for the outline.

The content of the training packages are currently under development based on the revised outlines, and are expected to be ready by Nov-2017. UNEP plans to organise the pilot first refresher training for the Caribbean and South Asia regions in Dec-2017. Inputs and feedback will be incorporated and the revised package will be shared with all IAS and the MFS to seek their inputs. The NOOs training (both introductory and advanced) will become fully operational by 2018.

**(ii) Development of a Refrigerant Driving License**

Refrigerants Driving License (RDL) is an initiative that aims to introduce a new globally- recognized qualification program for the sound management of refrigerants that sets the minimum qualification requirements for the HVAC&R supply chain network and creates the international recognition of such a program by industry and the governments.

The initiative was launched as a concept by UNEP and AHRI at the 37<sup>th</sup> Open-ended Working Group meeting in July 2015, at which time there was an initial exchange of letters signed between the two organizations. Later, in 2015, AHRI and UNEP worked to promote RDL amongst HVAC&R associations through the vehicles of the Global Refrigerant Management Initiative (GRMI) and the International Council of Air-Conditioning, Refrigeration, and Heating Manufacturers Associations (ICARHMA) to create the adequate momentum of having globally accepted qualification programme. Consequently, several industry associations expressed interest in joining this global initiative. AHRI and UNEP formed an Advisory Committee that serves as the technical advisory and review body for RDL through its different stages.

The Advisory Committee currently includes committed participation from ABRAVA, ACAIRE, AREA, ASHRAE, EPEE, JRAIA, Refrigerants Australia and The Alliance for Responsible Atmospheric Policy, in addition to commitment to join from CRAA (noting that China included RDL in its HPMP Stage II under the RAC servicing sector activities). Participation in this committee remains open to other interested partners that may wish to join as the work progresses, however the current committed associations geographically cover all regions and represent the major HCAV&R associations worldwide.

The agreed RDL document includes three stages for completing the implementation of the RDL and put it in operation at global level. The three stages and timelines are as follows:

Stage	2015	2016	2017	2018
Preparations and engagement with interested partners	X	X		
Stage-I: Development		X		
Stage-II: Review and Pilot		X	X	
Stage-III: Launch and outreach				X

Stage-I of RDL comprises three main activities:

*Activity 1: Developing of the detailed technical scope*

Includes assessment of existing industry qualification programs, compiling training/qualification gaps in skills and competencies for the sound handling of refrigerants, the suggested technical scope of the RDL qualification scheme including suggested classifications and outline of the technical skills that need to be addressed in the program. Numerous discussions were held with all stakeholders and are ongoing.

*Activity 2: Develop classifications and categories of the qualification program and Technical modules for each category*

Comprehensive consultation process, with RDL supporters, developing the detailed classification of qualification program, drafting the technical modules and the testing/evaluating units for each module.

*Activity 3: Develop the operating scheme of the RDL*

This includes the drafting, consulting and finalizing the operating mechanism of the RDL Scheme including criteria for admission/registration, training, evaluating and certifying individuals.

**(iii) Global training programme for the servicing sector**

UNEP’s 2016-2018 strategy includes several objectives that address the training needs of the refrigeration servicing sector (RSS) including capacity building activities and outreach tools. While continuing to provide training activities under HPMPs, UNEP started to strategically address the training needs for RSS in a holistic approach through cooperation with key global stakeholders. A three-track approach is being followed:

1. Assessment of existing RSS training resources and continuous training programs;
2. Comprehensive consultation process to evaluate analysis and identify further assessments needed as well as suggest proposals for global tools and resources needed to support RSS in Article 5 countries;
3. Develop, in partnership with relevant stakeholders, global coordinated work plan for streamlining RSS training and development of different resources that can be easily, attractively and competently support training programs for RSS in Article 5 countries.

The three-track approach is implemented through two workplans:

- Short-term plan (18 months): Which includes combination of assessment work, consultation process as well as development of some urgent training tools to fill in immediate gaps.
- Long-term plan (24-30 months): Which will secure a global coordinated work plan for RSS training implemented with all respective stakeholders The following is a summary of the completed and ongoing activities:

Item	Status	Remarks
1- First International Stakeholder Workshop on Assessment of Global Training Programs for the Refrigeration Servicing Sector (RSS) (Paris, 11-12 April 2016).	Completed- draft report being finalised	Another session to follow
2- Initial Desk Assessment on HVAC&R continuous training programs worldwide, as well as internal consolidated assessment of training programs SWOT analysis	Completed- draft report in the process of being finalised	Additional assessment is needed for non-English training
3- Involvement in GRMI as the main initiative initiated by HVAC&R industry to address the needs of the supply chain sectors in dealing with alternatives.	Ongoing, several related training activities are under discussion by GRMI members.	Suggested meeting with MFS and IAs is recommended by GRMI members
4- Started development of comprehensive training package for alternative refrigerants in cooperation with AREA (Air-Conditioning and Refrigeration European Association). The new project is titled “Training Kit for Future Alternatives” and will offer free of charge training kit for the use of all training institutes/centers around the globe with the flexibility to adjust as per the level/type of technicians to be trained.	To be completed in different stages, first package to be ready by first half of 2017. Full package by early 2018.	Priority in development is given to address training materials for RAC domestic and light commercial services
5- Online training course, in cooperation with ASHRAE, is under development, with two levels; Basic one named “Refrigerant Literacy” and Advanced one named “Refrigerant Management for Specialists” – will be tested on CAP staff by	First online course to be ready by ExCom-77 and second course by first half of 2017.	Self-based training course with ASHRAE-UNEP Certificate

Item	Status	Remarks
Dec 2016		
6- Special Refrigerant Management course for undergraduates engineering students in cooperation with American University in Beirut (AUB)	Completed and launched at OEWG-38.	Outreach campaign is under development

**(iv) Management of ODS in fishing**

Given the complexity of refrigerant supply, use and demand in the fisheries sector it is important that all HCFC used in this sector are properly documented to determine accurately their levels of usage. The question of how MP parties report on the acquisition and use of HCFC refrigerants in vessels working in international waters or under various fishing licensing agreements, need also to be considered. For fisheries facilities that are land-based, ODS usage is documented and reported as recorded through customs' procedures and national licencing systems. For the international marine fishing sector, customs' procedures will not normally be involved in the control of supply to fishing vessels. There is no agreed system nor uniformity in the monitoring and reporting by vessel owners and flagged states.

*CAP collaboration with the Pacific Islands Forum Fisheries Agency (FFA)*

In the Pacific region, the level of demand and market supply routes for HCFC-22 refrigerant and refrigerant servicing in the marine fishing sector are not fully known. A study is currently being undertaken by the Pacific Islands Forum Fisheries Agency (FFA) to look into the use of HCFC by vessels flagged in Article 5 countries that are also member countries of the FFA. This study, which seeks to determine the level of refrigerant usage in fishing vessels, information that has been elusive for the last 30 years, will have important socio-economic implications, as well as potential implications for the reported HCFC consumption levels for countries in the region. The initial study undertaken by UNEP CAP in collaboration with the FFA showed that fishing vessels flagged in FFA member countries use a total of 552.2 metric tonnes of HCFC-22 annually as refrigerants. Of the main types of fishing vessels used, 'fish carriers' use the most HCFC, followed by 'long-liners', 'purse seiners' and 'pole-and-line' fishing vessels. The report shows that the volume of HCFC-22 used on vessels flagged in nine FFA countries operating under Article 5 of the MP, is more than 103% of the total of the MP baseline for 14 Pacific Islands countries. This usage and demand in the context of MP compliance will necessitate that countries be alerted about this massive difference if they are to meet their treaty obligations and also sustain the fisheries industry. To balance these two interests, it is recommended that a more in-depth study of HCFC usage by the fishing sector at the national, regional and international level be undertaken.

*CAP partnership with International Maritime Organization*

CAP in collaboration with IMO and the RTOC organised a side event in Vienna in the margins of the 37th OEWG, with participation from Fiji and Norway sharing national experiences. CAP and IMO will collaborate on the use of ODS log books on fishing vessels.

*CAP contribution to the RTOC Task Force on fisheries*

CAP worked closely with RTOC members and contributed to the Task Force document (Decision XXVII/4) which was presented to the 38th OEWG in Vienna.

*Sustainable Management of Refrigeration Technologies in Marine and Off-Shore Fisheries Sectors*

CAP in collaboration with ASHRAE and other partners will be organizing an international Conference in Bangkok in April 2016. The conference will focus on current industry practices, future developments in the management of existing RAC systems, technology trends on longer term energy efficient, climate and ozone friendly alternatives.

Annex 2B — Achievements relative to proposed 2016 country-specific services (1 October 2015 - 30 July 2016)

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Afghanistan	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Designing a strategy for development of a national servicing technician curriculum	Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with Iran and Pakistan	Analysing discrepancies with reported ODS trade data	CB of the PMU Coordinator	
	COM. NOU participated in 2016 Network & Thematic meetings	ONG. New NOO nominated. Delays due to fund disbursement mechanism.	ONG. CAP provided assistant to NOU in Quota implementation during network meeting and email exchange and the same is followed and ongoing.	ONG. NOU has meeting with RAC Association and Vocational System of country. Association representatives have agreed to plan and implement certification scheme. TTT is planned in Spetember 2016.	ONG. Country is assisted. Yet the country has to report A7 data.		ONG. Based on country specific needs facilitate south-south, north-south and triangular cooperation.	ONG.	ONG. In October 2016 planned CB workshop at Bangkok of SA.	
Albania	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporing, offer ad-hoc compliance support upon	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information	ALB requested country-to-country assistance for stakeholder consultaton with building planners	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC		ALB requested training of RAC trainer on safe use of alternative refrigerants
	COM. Meeting participation of NOU staff in Bucharest Sep 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	ONG. CP data for 2015 reported, compliance	ONG. related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Bucharest Sep 2015	ONG. related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Bucharest Sep 2015	ONG. CP data for 2015 reported	COM. ECACool website (until Dec 2015 - taken over by UNIDO in 2016 because reduced ECA budget 2016), dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Bucharest Sep 2015	OTH.	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations		OTH.
Algeria					Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC		
					COM. Country reported on time 2015 Art 7 data and 2015 CP data.		ONG.	ONG.		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Angola	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data	Assist with Ozone Day celebrations		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country in clarifying details of the importation of MeBr from South Africa and avoided the illegal importation	ONG. Country not ready to initiate standards	COM. Country submitted data on time	COM. Country celebrated ozone day		ONG. NOU has requested to register in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity	
Antigua and Barbuda	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Joint Network meeting in 2015		ONG. CAP provided assistance to country during Network meetings and when required	OTH. Country not ready to initiate certification system yet	COM. Country reported Art. 7 data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network meetings	COM. Training/sup port provided during, and in between Network meetings	
Argentina	Facilitate participation in Network & thematic meetings				Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.				COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Armenia	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hoc compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information	ARM requested country-to-country assistance to revised ODS legislation in response to joining the Eurasian Customs Union	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. Meeting participation of NOU staff in Minsk Oct 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Minsk Oct 2015	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Minsk Oct 2015	COM. A7 and CP data for 2015 reported	COM.	OTH. Activity cancelled because of required lead time and fixed adoption schedule of legislation	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary &		
Bahamas	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Joint Network meeting in 2015 and 2016		ONG. CAP provided assistance to country during Network meetings and when required	ONG. Certification in RAC is part of HPMP training activities	COM. Country submitted data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network	COM. Training/sup port provided during, and in between Network meetings	
Bahrain	Facilitate participation in Network & thematic meetings		Assistance in developing bylaws to new ODS regulation	Assist with RAC certification system, Assistance with Standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations		Assistance in establishing E-Licensing system	Basic training of new Ozone Unit Assistant	
	COM. All necessary support provided to facilitate country participation in network activities. Country participated actively in all.		ONG. NOU and UNEP are part of local team work on developing the bylaws for enactment by end of 2016	ONG. UNEP is member of local committees for certification and standards update and advisory service offered including support documentation and mobilize of international experts	COM. Close follow up and support provided to Country. CP & A7 data reported on time, with reliable data	COM. Joint Organization of high level celebration of Ozone-Day 2015 including a workshop for high levels on the new ODS regulation and HPMP of Bahrain		ONG. Provided technical support to Country in contracting a company to create and implement the E-licensing system, which is in final stage of implementation	COM. NOU is fully trained and regular advice/support are offered given CAP/ROWA is based in Bahrain	
Bangladesh	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis		Designing a strategy for development of a national servicing technician curriculum	Assist with timely and accurate reporting Article 7 and CP data			Encourage use of iPIC; Analysing discrepancies with reported ODS trade data		
	COM. NOU participated in 2016 Network & Thematic meetings	ONG. Country is Under Compliance		ONG. NOU has planned meeting with Vocational Authority in September and guidelines are provided by CAP team.	ONG. A7 data submitted.			ONG. NOU has nominated one officer to receive iPIC training.		
Barbados	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Joint Network meeting in 2015		ONG. CAP provided assistance to country during Network meetings and when required	ONG. Country will initiate RAC certification system as part of HPMP training activities	COM. Country submitted data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network	COM. Training/sup port provided during, and in between Network meetings	



Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Belize	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of IPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in all Network & Thematic meetings		COM. CAP provided support on policy matters.		COM. Country submitted data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in IPIC	OTH. NOU to participate in UNEP's global activity when rolled out. NOU received adhoc training during Panama Dec-15 event	
Benin				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data			Encourage adoption and use of IPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Bhutan	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis		Designing a strategy for creating a pool of technicians with advanced skills to handle natural refrigerants	Assist with timely and accurate reporting Article 7 and CP data	Assist with awareness activities with the Ozone Ambassador		Application of HS2017 codes concerning alternative to HCFCs and HCFC dependent equipment		
	COM. NOU participated in 2016 Network & Thematic meetings	COM. Verification of 2013-2015 consumption has shown in compliance.		ONG. TTT have been completed in May 2015 but received another request to have one purely with natural refrigerants.	COM. For 2015	ONG. NOU was assisted on 60th Birth anniversary celebrations with HCFC campaign, grand finale of quiz was broadcasted live on National TV on 31st Oct. 15 and the chief guest of grande finale was Her Royal Highness Ashi Pema		ONG. The country is ready to adapt. Custom is supportive		
Bolivia, Plurinational State of	Facilitate participation in Network & thematic meetings	Assist with Action Plan to return to compliance, if needed	Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of IPIC	Assist with establishing NOU	
	COM. NOU attended the 2016 Joint Network Meeting of LAC. Government was invited to nominate participants to the 2015 Joint Network Meeting, but no answer was received.	OTH. Country is in compliance up to 2014 ODSs data	ONG. Advice to improve the ODS license system will be provided during an official mission planned for last quarter of 2016		ONG. Support from a regional expert on ODSs data was offered to NOU in Nov 2015. However, no confirmation received. Follow up done in early 2016 on the CP report data. UNIDO has been also doing follow up on this matter.	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the	OTH. South-South cooperation was offered. However, NOO did not reply the offer to receive support with 2015 data reporting.	COM. CAP encouraged NOU to regularly use IPIC by email.	ONG. Training of the new NOO to be scheduled in the last quarter of 2016	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Bosnia and Herzegovina	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hop compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting)	Promote access to technology information	BiH requested country-to-country assistance to strengthen newly established RAC association, to establish equipment labelling & equipment / service log-books, to support RAC training	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		BiH requested training of RAC trainer on safe use of alternative refrigerants
	COM. Meeting participation of NOU staff in Bucharest Sep 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc.	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities	COM. A7 and CP data for 2015 reported	COM.	COM. C2C assistance in Sarajevo Nov 2015 (AREA, Croatia)	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations,		OTH.
Botswana	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC licensing system	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted NOU to register all importers and distribution 2015 HCFC quotas	ONG. Country not ready to initiate standards. Standards will be established during HPMP implementation which has just commenced	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country will participate in South-South cooperation next year	ONG. NOU has requested to register in the iPIC system	COM. CAP provided training to Ozone Officer during CAP mission in February 2015	
Brazil	Facilitate participation in Network & thematic meetings				Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.				COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Brunei Darussalam	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system; Assist with labelling schemes	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM. CAP staff provided assistance to NOU in Dec 2015 during mission to country.	ONG. Labelling schemes have been implemented. Certification has been put in place and will be further strengthened.	COM.	COM.		COM. CAP encouraged NOU to regulary use iPIC in Dec 2015 during mission to country. This was also discussed in network meeting in October 2015		
Burkina Faso				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP			COM. Country completed the iPIC registration		
Burundi				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP			ONG.		
Cambodia	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system; Assist with labelling schemes	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM. CAP staff provided assistance to NOU in Sep 2015 during mission to country. CAP staff participated in meeting with national stakeholders in May 2016.	ONG. Labelling schemes have been implemented. Country is not yet ready to implement certification system. NOU is working to establish the system.	COM. Country submitted data on time.	COM.	ONG. South-south cooperation on Border Dialogue on ODS Control with Thailand is planned in the last quarter of 2016.	COM. CAP encouraged NOU to regular use iPIC in May 2016 during mission to country. This was also discussed in network meeting in		
Cameroon					Assist with timely and accurate reporting Article 7 and CP data			Encourage adoption and use of iPIC		
					COM. Country reported on time 2015 Art 7 data			ONG.		
Cape Verde					Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)				COM. Country reported on time 2015 Art 7 data and 2015 CP data			COM. Country is using iPIC		
Central African Republic		Assist with Action Plan to return to compliance	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data	Assist with Ozone Day celebrations		Encourage adoption and use of iPIC	Basic training of new Ozone Officer or assistant. Assist in establishing new NOU	
		ONG. Country to submit data report and re start activities. New Coordinator	ONG.	ONG.	OTH.	ONG.		ONG.	ONG.	
Chad				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data			X		
				ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.					
Chile	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with Standards. Assist with labelling schemes	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings. Chile has hosted the 2016 Joint Network Meeting and has delivered invaluable support for the succes of the Meeting. The Meeting was also hold back-to-back to the National RAC Exhibition, and the delegates were encourage to participate in this side event.		COM. Recommendations provided to the NOO through Network meetings.	COM. Recomendations and guidance on technicians certification and RAC standards provided to the NOO during network meetings.	COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
China	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis			Assist with timely and accurate reporting Article 7 and CP data			Facilitate export licensing through iPIC in 2016 include HCFCs.		
	COM. China participated the network and thematic meeting in Fiji in June 2016.	COM.			ONG.		OTH. UNEP facilitated a visit of local Government of Shenzhen to Mexico ODSs disposal facilities.	ONG. UNEP facilitated China in conducting iPIC with countries from all regions, such as Afghanistan, Bahamas, Belarus, Cuba, Ecuador, Honduras, Iran, Malaysia, Mongalia, Mozambique, Panama, Russia, Signapore, and Vietnam.		
Colombia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.		COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Comoros				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
				ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Congo				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Congo, Democratic Republic of the			X	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			X	Basic training of new Ozone Officer or assistant. Assist in establishing new NOU	
			ONG.	ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.	ONG.	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Cook Islands	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for ODS and technology adaptation in Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff, with change of political administration in 2015,	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016)	COM. Compliance sustained, running CAP service.	COM. These services now linked to national activities including: IS and ODS alternative (survey) projects.	COM. linked as components of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. assisted in quality review and timely submission of annual data.	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Member of iPIC.	COM. NOO received regular updates on new and emerging subjects of the Montreal Protocol. Current NOO in office since 2014.	
Costa Rica	Facilitate participation in Network & thematic meetings				Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.				COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Côte d'Ivoire	Facilitate participation in Network & thematic meetings			Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Cuba	Facilitate participation in Network & thematic meetings				Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.				COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings. CAP facilitated the exchange of information on refrigerants exports/imports licenses between NOOs of China and Cuba prior to the shipment was released.		
Djibouti				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Dominica	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage adoption of iPIC	Basic training of new Ozone Officer or assistant	Country mission
	COM. NOU participated in Network & Thematic meetings		COM. CAP provided specialized assistance during Apr16 Mission. CAP staff participated in discussions on legal issues Apr16.	ONG. CAP staff participated in discussions with Dominica State College to support certification system (Apr-16)	COM. Specialized support provided during Apr16 Mission. Country submitted 2014 due data as well as 2015 on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in iPIC	OTH. NOU to participate in UNEP's global activity when rolled out. New NOO received adhoc training by CAP staff during Apr-16 Mission	COM. Mission held Apr-16



Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Dominican Republic	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings. Additional advices provided to the NOO on the country mission carried out in July 2016.		COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.	OTH. No longer needed	
Ecuador	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.		COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.	COM. An exchange of experience between NOOs of Ecuador, El Salvador and Guatemala was facilitated back-to-back to the training carried out in Dec 2015..	COM. CAP encouraged NOU to regularly use iPIC during network meetings. CAP facilitated the exchange of information on refrigerants exports/imports licenses between NOOs of China and Honduras prior to the shipment was released.	COM. New NOO' assistant trained in Dec 2015	
Egypt	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to communicate with importers from China before importation was authorised	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		ONG. NOU has requested to register in the iPIC system		
El Salvador	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.		COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.	COM. An exchange of experience between NOOs of Ecuador, El Salvador and Guatemala was facilitated back-to-back to the training carried out in Dec 2015..	COM. CAP encouraged NOU to regularly use iPIC during network meetings.	COM. New NOO' assistant trained in Dec 2015	
Equatorial Guinea				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.		Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC		
				ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.		ONG.	ONG.		
Eritrea	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to register all HCFC importers and assisted the country to allocate HCFC quotas for 2015	ONG. Country not ready to initiate standards. Standards will be established during second tranche HPMP implementation.	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country will participate in South-South cooperation in 2016	ONG. NOU has requested to register in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity building of the NOU	
Ethiopia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to establish licensing and quota system, and NOU has registered all importers		COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country will participate in South-South cooperation next year	ONG. NOU has requested to register in the iPIC system		
Fiji	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support to address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Based on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of Ozone staff on the new and emerging subjects of the Montreal Protocol	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016). Country hosted both 2015 PIC network meeting and 2016 Joint Asia/Pacific meetings	COM. Compliance sustained, ongoing CAP service	COM. These services now linked to national activities including: IS and ODS alternative (survey) projects..	COM. Supported the developing of formal RAC training courses at national university	COM. Assisted in quality review and timely submission of annual data. Supported in the preparation of documents for change in HCFC based line	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services. Focused were on the safety of the alternatives already present on national market.	COM. Facilitated the training in safe management of longer term (hydrocarbon) alternatives	COM. Active Member of iPIC. Fiji is a major supplier of ODS to the other South Pacific Islands	COM. New ozone officer. Special agenda at the 2015 Network meeting. In person training-Mission in March 2016 followed by communication on-line and telecommunication.	COM. Supported the development of RAC training courses in good refrigeration practices at the Fiji National University. This resource will then be a center for training for PIC countries

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Gabon			Assist in improving HCFC licensing system	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
			ONG.	ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Gambia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		COM. CAP assisted country during the CAP mission in December 2015. NOU has established licensing and quotas system		COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country will participate in South-South cooperation in 2016	ONG. NOU has registered in the iPIC system		
Georgia	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hoc compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information	GEO requested country-to-country assistance to establish equipment labelling & equipment / service log-books	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		
	COM. Meeting participation of NOU staff in Minsk Oct 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Minsk Oct 2015	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Minsk Oct 2015	COM. A7 and CP data for 2015 reported	COM.	OTH.	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations, award & certificate		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Ghana	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to register all HCFC importers and assisted the country to allocate HCFC quotas for 2015	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		ONG. NOU has registered in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity building of the NOO	
Grenada	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in all Network & Thematic meetings		COM. Provided support on policy matters	ONG. Country still in developmental phase.	COM. Country to submit data by Sept-16.	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in iPIC	OTH. NOU to participate in UNEP's global activity when rolled out.	
Guatemala	Facilitate participation in Network & thematic meetings	Assist with Action Plan to return to compliance	Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Assist with establishing NOU	
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.	COM. In May 2016, CAP team provided support to the NOO for preparing a clarification note about the implementation of the country compliance action plan	COM. Recommendations provided to the NOO through Network meetings.		COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.	COM. An exchange of experience between NOOs of Ecuador, El Salvador and Guatemala was facilitated back-to-back to the training carried out in Dec 2015..	COM. CAP encouraged NOU to regularly use iPIC during network meetings.	COM. New NOO trained in Dec 2015	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Guinea				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
				ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Guinea-Bissau				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Guyana	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Joint Network meeting in 2015 and 2016		ONG. CAP provided assistance to country during Network meetings and when required	ONG. RAC certification system is part of HPMP training activities	COM. Country submitted data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network meetings.	COM. Training/sup port provided during, and in between Network meetings	
Haiti	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage adoption of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Joint Network meeting in 2015 and 2016		ONG. CAP provided assistance to country during Network meetings and when required	OTH. Country not ready to initiate certification system yet	COM. Country submitted Art.7 data.	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network meetings.	COM. Training/sup port provided during, and in between Network meetings	
Honduras	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.	COM. Recommendations and guidance on technicians certification and RAC standards provided to the NOO during network meetings.	COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings. CAP facilitated the exchange of information on refrigerants exports/imports licenses between NOOs of China and Honduras prior to the shipment was released.	OTH. No longer needed.	
India	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis			Assist with timely and accurate reporting Article 7 and CP data			Encourage use of iPIC		
	COM. NOU participated in 2016 Network & Thematic meetings. In China only procurement officers came.	COM. Country has achieved more than set IMP target.			ONG. NOU will submit by Sep. Due to change in NOU Director.			ONG. India has joined iPIC.	ONG. In October 2016 planned CB workshop at Bangkok of SA.	
Indonesia	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis			Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.			COM. Country submitted data ontime.	COM	ONG. Timor Leste will nominate customs officers to attend the customs training in Indonesia in August 2016.	COM. CAP encouraged NOU to regularly use iPIC, which was discussed in network meeting in October 2015 and June 2016.		
Iran, Islamic Republic of	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis		Designing a strategy for development of a national servicing technician curriculum	Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with Afghanistan, Pakistan, and UAE	Analysing discrepancies with reported ODS trade data		Assist in reporting requirements of MB, including QPS, to the Ozone Secretariat
	COM. NOU participated in 2016 Network & Thematic meetings.	Country is under compliance		ONG. The country has planned to update in HPMP Stage II	COM. For 2015		ONG. RNC visited Pakistan in July 2016 and planned for next quarter	OTH. No discrepancies		ONG. NOU has been guided on MB

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Iraq	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country regarding alternatives to MB in date production			
	COM. All necessary support provided to facilitate participation in network activities. While Iraq was represented in main activities, Iraq faces challenges of entry visa to some countries in the region		ONG. Delay due to change in the Ministry structure and political difficulties in the country. Legal work will take longer time	ONG. Technical assistance offered to review the draft code of practice	COM. Close follow up and support provided to Country. CP & A7 data reported on time, with reliable data	COM. Provided support to country through guidance and provision of OzonAction awareness material, to support their national activities of Ozone day	OTH. Not required anymore			
Jamaica	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Joint Network meeting in 2015 and 2016		ONG. CAP provided assistance to country during Network meetings and when required	ONG. RAC Certification is part of HPMP training activities	COM. Country submitted data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network meetings.	COM. Training/sup port provided during, and in between Network meetings	
Jordan	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. Support provided to facilitate Country participation in national and regional activities as well as in all MP meetings		COM. Support provided to update the L&Q systems and capacity for enforcement	COM. Updated the system and training for enforcement	COM. Timely reporting of A7 data	COM.	COM. Cooperation with Oman on Certification scheme enforcement	ONG. Jordan is considering joining the system	OTH. Supported NOU staff to actively participate in regional and thematic meetings	
Kenya	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to register all HCFC importers and assisted the country to allocate HCFC quotas for 2015	ONG. CAP assisted Country to initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country has registered in the iPIC system		



Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Kiribati	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff appointed in March 2015	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Compliance sustained, ongoing CAP service	COM. These services now linked to national activities including: IS and ODS alternative (survey) projects.	COM. Linked as components of the HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. assisted in quality review and timely submission of annual data.	COM. this is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services. Focused were on building capacity of NEW NOO and on the safety of the alternatives already present on national market.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. member of iPIC. Facilitated coordination with Fiji NOU on pre-assessment before export	COM. new ozone officer. Special agenda at the 2015 Network meeting. Followed by communication on on-line and telecommunication.	COM. Training of Senior trainer and NOU in the Good (RAC) servicing practices in longer term (HC) alternatives and in HC technologies already present in local markets.
Korea, Democratic People's Republic of	Facilitate participation in Network & thematic meetings and follow up on recommendations	Assist with the implementation of Plan of Action to return to compliance as per MOP Decision XXVI/15 and 53rd ImpCom recommendation 53/2	Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with China on project implementation and information exchange and with Sri Lanka on customs training	Analysing discrepancies with reported ODS trade data	Advance training of existing Ozone Officer or assistant	
	COM. NOU had not joined any networking meeting.	ONG. Exchanging emails, helping NOU	ONG. Country allocate the quota to importers		ONG. NOU submitted the 2015 CP data and article A7.		ONG. Emails exchange is ongoing.	OTH. No discrepancies	ONG. In October 2016 planned CB workshop at Bangkok of SA.	
Korea, Republic of	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis			Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation on halon banking issues			
	COM. NOU participated in 2016 Network & Thematic meetings except Schenzen	COM. No risk. The country is under compliance			ONG. Country is assisted. After newtork meeting they submitted the data		ONG. Halon bank available in the region in Republic of Korea, for South South cooperation.			
Kuwait	Facilitate participation in Network & thematic meetings	Assist to maintain Compliance	Assistance in developing bylaws to new ODS regulation	Assist with RAC certification system, Assistance with Standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations		Assistance in establishing E-Licensing system, Assistance in establishing MOU with Customs Authority		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. Support provided to facilitate Country participation in all relevant activities. Kuwait actively participated in all MP meetings and activities	COM. Assistance provided to update the Quota system in accordance with HPMP targets	ONG. UNEP is assisting Kuwait in reviewing drafts of the bylaws and provide experience from other countries bylaws	ONG. As part of HPMP of Kuwait, UNEP provided assistance to update the certification scheme	COM. Close follow up and support provided to Country. CP & A7 data reported on time, with reliable data	COM. Provided support to country through guidance and provision of OzonAction awareness material, to support their national activities of Ozone day		ONG. UNEP assisted NOU to develop TORs for the E-Licensing. System is developed and under testing		
Kyrgyzstan	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hop compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting),	Promote access to technology information	KYR requested country-to-country assistance to revised ODS legislation in response to joining the Eurasian Customs Union	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		
	COM. Meeting participation of NOU staff in Minsk Oct 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Minsk Oct 2015	ONG. related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Minsk Oct 2015	COM. A7 and CP data for 2015 reported	COM.	OTH.	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations, award & certificate		
Lao People's Democratic Republic	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system; Assist with labelling schemes	Assist with timely and accurate reporting Article 7 and CP data	assist with Regional Awareness activities		Encourage use of iPIC	Training of new Ozone staff.	
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM. CAP staff provided assistance to NOU in Oct 2015 during mission to country. CAP staff participated in meeting with Customs, Department of Domestic Trade in Dec 2016 and April 2016.	ONG. Labelling schemes have been implemented. Country is not yet ready to implement certification system. NOU is working to establish the system.	COM. Country submitted data ontime.	COM.		COM. CAP encouraged NOU to regular use iPIC in April 2016 during mission to country. This was also discussed in network meeting in October 2015 and June 2016.	ONG. Training of new NOO is planned in Bangkok in last quarter of 2016 with South-South cooperation with Thailand.	
Lebanon	Facilitate participation in Network & thematic meetings			Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage adoption of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. Support provided to facilitate Country participation in relevant meetings and activities. Lebanon was represented in main network activities, however Country faces challenges of entry visa to some countries in the region			COM. Advice provided and info shared through networking activities	COM.	OTH. UNEP cooperated with NOU and American University in Beirut (AUB) to develop international academic course on refrigerant management for undergraduate engineering students	COM. Sharing the updated module for engineers with the region as well as the awareness products	ONG. Lebanon is considering joining the system		
Lesotho	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted the NOU register all HCFC importers for 2015 and established quota system	ONG. Country not ready to initiate standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country has registered in the iPIC system		
Liberia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted the NOU register all HCFC importers for 2015 and established quota system	ONG. Country not ready to initiate standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country has registered in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity building of the NOO	
Libya	Facilitate participation in Network & thematic meetings	Assist with Action Plan to return to compliance	Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings	COM. CAP assisted country with Action Plan to return to compliance and it was submitted to Impl-com. The country is in compliance	ONG. CAP assisted country to start the process of establishment of licensing and quota system.	ONG. Country not ready to initiate standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		ONG. Country requested to be registered in the iPIC system		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Macedonia, The Former Yugoslav Republic of	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hoc compliance support upon request	Encourage the adoption of equipment labelling & service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information		Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations	Training of new NOU staff	
	COM. Meeting participation of NOU staff in Bucharest Sep 2015 and Ashgabat May 2016, Customs not designated	COM. A7 and CP data for 2015 reported, compliance	ONG. related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Bucharest Sep 2015	ONG. related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Bucharest Sep 2015	COM. A7 and CP data for 2015 reported	COM. Dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Bucharest Sep 2015		COM. NOU participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations	COM. NOU staff trained in Vienna Dec 2015 (jointly with UNIDO)	
Madagascar				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Malawi	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		COM. CAP assisted county to register all importer of HCFC and process the allocation of 2015 quotas	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country registered in the iPIC system		
Malaysia	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis			assist with timely and accurate reporting Article 7 and CP data	assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.			COM. Country submitted data on time.	COM.	ONG. South-south cooperation to assist Myanmar to conduct RAC technician workshop is planned in last quarter of 2016.	COM. CAP encouraged NOU to regular use iPIC, which was discussed in network meeting in October 2015 and June 2016.		
Maldives	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis		Designing a strategy for development of a national servicing technician curriculum including a thematic national workshop, Assisatnce with introduction of voluntary Standard Labelling Programme	Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with Bangladesh on technician issues and Sri Lanka on ODS related Risk-profiling in ASYCUDA based Single Window System			
	COM. NOU participated in 2016 Network & Thematic meetings	COM. The country is phasing out HCFCs under maximum allowable limits and within control. The HCFC consumption verification report is approved.		ONG. NOU is supported for curriculam and labelling program. Copy of curriculam already sent to NOU for guidelines. CAP team is visiting for this in August 16.	COM. CP data and A7 submitted on time.		ONG. CAP Team is visiting to further take up with Sri Lanka in August 2016.			
Mali				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			Encourage adoption and use of iPIC		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Marshall Islands	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff expected to be appointed in second half of 2015	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	ONG. 2014 Compliance sustained. Supporting new officer for the preparation and submission of 2015 Article 7 data	COM. Going these services now linked to national activities including: IS and ODS alternative (survey) projects.	COM. Linked as components of the HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	ONG. assisted in quality review and timely submission of annual data. 2015 Article 7 data pending	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services. Focused were on building capacity of NEW NOO and on the safety of the alternatives already present on national market.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016. South-south cooperation to assist Micronesia to conduct the training and new NOO training in Marshall Islands.	COM. Member of iPIC. Guided new NOU on reporting and follow-up with exporting country prior to imports and for supplies to vessels. ODS imported into Marshall Islands are from Taiwan and USA	COM. New ozone officer appointed in August 2015 then changed again in May 2016. Help PIC regional training for New NOO in 2015. Followed by communication on on-line and telecommunication.	
Mauritania		Assist with Action Plan to return to compliance	Assist with enforcement of HCFC licensing and/or quota systems.	Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting. Assist in developing a quota and licensing system.	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption and use of iPIC	Basic training of new Ozone Officer or assistant. Assist in establishing new NOU	
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)	OTH.	OTH.	OTH.	OTH.	OTH.	OTH.	OTH.	OTH.	
Mauritius	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		COM. CAP assisted county to register all importer of HCFC and process the allocation of 2015 quotas	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country registered in the iPIC system		
Mexico	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.		COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.	COM. CAP team facilitated a study tour a Chinese delegation to Mexico for visiting the system of unwanted ODS recovery, collection, transportation, verification, incentive mechanism for the technicians, dealers, owners for them to join the system. The management of the ODS facilities, and operational mechanisms, the certification and monitoring of the ODS facilities to ensure they are in line with environmental and safety standards and regulations.	COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Micronesia, Federated States of	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of Ozone staff on new and emerging subjects of the Montreal Protocol	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Compliance sustained. CAP service provided.	COM. these services now linked to national activities including: IS and ODS alternative (survey) projects.	COM:linked as components of the HPMP, ODS alternative surveys (policy assessment) and including the Marine/Fisheries sectors	COM. assisted in quality review and timely submission of annual data.	COM. this is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services. Focused was is the safety of the alternatives already present on national market	COM. Two national trainers trained in 2- weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016. South-south cooperation to assist Marshall Islands to conduct the training and new NOO training in Marchall Islands.	COM. country is an active member of iPIC	COM. Continually providing the NOU on new and emerging subjects under the Montreal Protocol. Services of senior NOO is also used in supporting the training and capacity building of New NOO in the PIC networks.	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Moldova, Republic of	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hoc compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information		Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		
	COM. Meeting participation of NOU staff in Minsk Oct 2015 and Ashgabat May 2016, Customs not designated	COM. A7 and CP data for 2015 reported, compliance	ONG. related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Minsk Oct 2015	ONG. related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities,	COM. A7 and CP data for 2015 reported	COM. Dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Minsk Oct 2015		COM. NOU participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations		
Mongolia	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis		Designing a strategy for development of a national technician certification scheme	Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with China on XPS foam conversion	Analysing discrepancies with reported ODS trade data		
	COM. NOU participated in 2016 Network & Thematic meetings	ONG. As per HCFC verification some issue has been raised. After analysis it has been found that ExCom needs to rectify. Communication is established.		ONG. International Consultant has reported and will be finalized soon.	COM. CP data and A7 submitted ontime.		ONG. Technical Expert for stakeholder meeting on HCFC phase out in buildings in Ulaan Bataar planned in September 2016.	ONG. Minor discrepancies. NOO has already been guided in May 2016.		
Montenegro	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hoc compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information	MNE requested country-to-country assistance to establish equipment labelling & equipment / service log-books, to support RAC training	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		



Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. Meeting participation of NOU staff in Bucharest Sep 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Bucharest Sep 2015	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Bucharest Sep 2015	COM. A7 and CP data for 2015 reported	COM. Dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Bucharest Sep 2015	OTH.	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations		
Morocco					Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			X		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)				COM. Country reported on time 2015 Art 7 data and 2015 CP data.					
Mozambique	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	COM. Country celebrated ozone day	OTH. Country will participate in South-South cooperation in 2016			
Myanmar	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data; Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Training of new Ozone staff.	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	ONG. Advice were made through e-mail communication. CAP also plans to conduct the mission to Myanmar in the next mission.	ONG. Country is not yet ready to implement certification system.	COM. Country submitted data ontime.	COM.	ONG. South-south cooperation with Malaysia/Philippines to conduct RAC technician workshop is planned in last quarter of 2016. South-south cooperation with Thailand to build capacity of new NOO is also planned in last quarter of 2016.	COM. CAP encouraged NOU to regulary use iPIC, which was discussed in network meeting in October 2015 and June 2016. CAP staff is working with Myanmar in joininh the iPIC.	ONG. Training of new NOO is planned in last quarter of 2016 with South-South cooperation with Thailand.	
Namibia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		ONG. Country requested to be registered in the iPIC system		
Nauru	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. Country representatives participated in all network and thematic meetings. Additionally, country also participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Compliance sustained. Ongoing CAP service	COM. Assisted in the review of revised legislation being prepared and proposing to include all RAC technologies.	ONG. Linked as components of the HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. Assisted in quality review and timely submission of annual data.	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services. Focused was is the safety of the alternatives already present on national market	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Imports are mainly from China, due to very small volumes- these are often imported as personnel goods and therefore may not have required permits from exporting country.	ONG. Since 2014 there has not been a sitting NOO. CAP continues to encourage country for the appointment of NOO.	ONG. Re-establishment of NOU: CAP continued to support the line management on meeting Montreal Protocol obligations. Mission conducted in March 2016. High level officers (Directors for Environment, Trade and Climate) attended the Fiji Montreal Protocol 2016 events and meetings
Nepal	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis	Policy Assistance on linking HPMP with energy efficiency and labelling programme	Designing a strategy for development of a national servicing technician curriculum, Assistance with energy efficiency and labelling programme	Assist with timely and accurate reporting Article 7 and CP data					Post disaster recovery support to NOU
	COM. NOU participated in 2016 Network & Thematic meetings	ONG. Guidelines are provided to sustain compliance despite natural calamities and political turmoil.	ONG. Assisting with legislative review/updates where necessary, support for address the use of ODS and technology adaptation for the tourism sector	ONG. NOU has meeting with NAREMA and other stakeholders.	ONG. Due to transfers in NOU, the new NOO has been guided and data will be submitted in August 2016.					ONG. NOU is supported regularly despite natural disaster to maintain consumption under allowable limits.
Nicaragua	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.	COM. Recommendations and guidance on technicians certification and RAC standards provided to the NOO during network meetings.	COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Niger				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			X		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Nigeria	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted the NOU register all HCFC importers for 2015 and established quota system	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country registered in the iPIC system		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Niue	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff planned to be appointed in the second half of 2015	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Niue sustained zero consumption of ODS for reporting years 2014 and 2015. CAP service provided.	COM. All RAC equipment being imported into Niue are required to have clearance from the NOU before import.	COM. Linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. Niue sustained zero consumption of ODS for reporting years 2014 and 2015	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Niue is member of iPIC.	COM. Training provided to NOOs during Network meeting in Fiji in Sep 2015. Due to limited national human resources (population of 1,200) the Montreal Protocol implementation responsibilities are shared and institutionalised.	
Oman	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems; Assist with labelling scheme	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. Support provided to facilitate Country participation in regional activities. Although they were invited to network events, with follow up done, country did not participate in the main network activities during the given period		COM. Necessary assistance provided to update and enforce the systems	COM. Support provided to develop the system which is under adoption	COM.	COM. Advice and support provided to organize the celebration	COM. Cooperation with Jordan on system enforcement	COM. CAP maintains provision of technical advice. Oman is a member and making best use of the system to fight illegal trade.	COM. Continued support to NOU staff to perform required duties	
Pakistan	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis	Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with Afghanistan, UAE and China	Analysing discrepancies with reported ODS trade data	Training of new ozone Officer(s)	Assist in reporting requirements of MB, including QPS, to the Ozone Secretariat
	COM. NOU participated in 2016 Network & Thematic meetings	ONG. Country is Under Compliance	ONG. Timely guidance to NOO establishing quota and issue licence is improving.		COM. CP data and A7 submitted ontime.		ONG. Regional between Iran, Afghanistan will take place soon.	COM. No discrepancies	ONG. In October 2016 planned CB workshop at Bangkok of SA.	ONG. NOU has been guided on MB

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Palau	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of Ozone staff on new and emerging subjects of the Montreal Protocol.	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Sustained compliance for reporting years 2014 and 2015. CAP service provided.	ONG. All HCFC based equipment to be importing will need to have an import permit. This is also in keeping with the HPMP deliverables.	ONG. Linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. reporting years 2014 and 2015 completed	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Also component of IS project	COM. Senior NOO received regular updates on new and emerging subjects of the Montreal Protocol.	
Panama	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. CAP team provided advice to the NOU and the Sub-director of Environmental Health (Sept. 2015) on the convenience to control the ODSs trade in the free zones of the country.	COM. Recommendations and guidance on technicians certification and RAC standards provided to the NOO during network meetings. In July 2016, the CAP team attended to - and provided inputs to - a national workshop carried out to discuss the adoption of RAC safety standards.	COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings. CAP facilitated the exchange of information on refrigerants exports/import s licenses between NOOs of China and Honduras prior to the shipment was released.	OTH. No longer needed.	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Papua New Guinea	Facilitate participation in Network & thematic meetings. Coordinate with GIZ on assessment of country and network needs and emerging subjects.	Provision of compliance support services,	Assist with enforcement of ODS licensing and/or quota systems and including management of 0.0 consumption for those ODSs as required under the Montreal Protocol		Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.		Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff	
	COM. NOU participated in all network and thematic meetings. Additionally, country participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Sustained compliance for reporting years 2014 and 2015. CAP service provided.	COM. this support was provided in the review of draft annual data and cross verification of data sources	COM.	COM. reporting years 2014 and 2015 completed	COM. this is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.		COM. this is an ongoing CAP service, assisted in coordination with NOO of 2 countries exporting ODS into PNG. These exports did not have the required prior approval from the NOO of PNG.	COM. new ozone officer appointed in 2015. Attended 2015 PIC regional workshop for training of NOU. Followed by communication on on-line and telecommunication as continuous training and capacity building.	
Paraguay	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.		COM. Recommendations provided to the NOO through Network meetings.	COM. Recommendations and guidance on technicians certification and standards provided to the NOO during network meetings.	COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.	OTH. No longer needed.	
Peru	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU was invited to the 2015 and 2016 Joint Network Meeting but confirmation was not received.		COM. Country passed through presidential elections and restructuring of Ozone Unit in 2015 and 2016, which demanded close monitoring and support of CAP team on issues related to ODSs police measures and assistance on Data Reporting through a the official mission carried out in May 2016.	ONG. Activities will be implemented in 2016-2017.	COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.	ONG. The country consolidated a new structure of NOU in 2016. A study tour to Colombia or Mexico is being proposed by CAP.	COM. CAP encouraged NOU to regularly use iPIC during the official mission carried out in May 2016.	COM. New NOO trained in May 2016	
Philippines	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems.	Provide policy support for adaptation to non-ODS alternatives in the solvent and RAC sector. Support the development of analytical laboratory skills for ODS including sample management in cases of detected potential illegal imports.	assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South and North-south cooperation			
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM.	COM. CAP assisted NOU to identify expert to identify alternatives in solvent sector.	COM.	COM.	ONG. South-south cooperation to assist Myanmar to conduct RAC technician workshop is planned in last quarter of 2016.			
Qatar	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assistance with Standards	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country in operation of NOU	Encourage adoption of iPIC, Assistance in establishing E-Licensing system	Advance training of existing Ozone Officer or assistant	Cooperation with ASHRAE local Chapter to support HPMP technical activities concerning alternative refrigerants
	OTH. Country was unable to participate in main network & regional activities due to change in management & NOU staff		ONG. Restart work with NOU, after long delay, on the review of local licensing/quota system	ONG. Just restarted the work on standards as part of HPMP	ONG. Support offered to report the pending A7 and assistance is being offered to comply with CP reporting	COM. CAP provided information material of OzonAction to facilitate country celebration.	ONG. Still under discussion with NOU for benefiting of experience from key neighboring countries	ONG.	ONG. Plans are made to build the capacity of new NOU team.	ONG. Plans are made to involve ASHRAE in HPMP training activities in cooperation with Society of Engineers of Qatar



Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Rwanda	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		COM. CAP assisted country to establish licensing and quota system and register all HCFC importers. CAP visited the country in November 2015	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country will participate in South-South cooperation in 2016	COM. Country registered in the iPIC system		
Saint Kitts and Nevis	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		Country mission
	COM. NOU participated in Network & Thematic meetings		COM. Provided support on policy matters	ONG. CAP staff provided guidance on issues	ONG. Country to submit data by Sept-2016.	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in iPIC		ONG. Mission scheduled for Sept16.
Saint Vincent and the Grenadines	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in Network & thematic meetings		COM. CAP provided guidance on policy matters, such as incentives for Low GWP Alternatives	ONG. CAP staff provided guidance on issues	COM. Country submitted data ahead of submission date	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in iPIC	OTH. Country to participate in UNEP's global activity when rolled out	
Saint Lucia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Basic training of new Ozone Officer or assistant	Country mission
	COM. NOU participated in Joint Network meeting in 2015 and 2016		ONG. CAP provided assistance to country during Network meetings and when required	ONG. Certification in RAC will be part of HPMP training activities	COM. Country submitted data on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. CAP encouraged country to regularly use iPIC during, and in between Network meetings.	COM. Training/support provided during, and in between Network meetings	ONG. Mission scheduled for last quarter of 2016.

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Samoa	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of Ozone staff on new and emerging subjects of the Montreal Protocol.	
	COM. NOU participated in all network and thematic meetings. Additionally, country also participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Sustained compliance for reporting years 2014 and 2015. CAP service provided	COM. Assisted in the review of legislation for controls in importation of HCFC based equipment. This is also in keeping with the HPMP deliverables.	COM. Linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. Reporting years 2014 and 2015 completed	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. Two national trainers trained in 2- weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Country is an active member of iPIC	COM. Senior NOO received regular updates on new and emerging subjects of the Montreal Protocol. Services of senior NOO is also used in supporting the training and capacity building of New NOO in the PIC networks.	
Sao Tome and Principe				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			X		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Saudi Arabia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems; Assist with labelling scheme	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage adoption of iPIC		
	COM. Support provided to facilitate Country participation in relevant events. Country was represented in some activities		COM. Necessary assistance provided to update and enforce the systems	COM. Support provided to develop the system and required regulations	COM.	COM. CAP provided information material of OzonAction to facilitate country celebration.	COM. Provided technical support to enhance cooperation with other GCC countries on system enforcement	ONG. CAP provided the necessary support to join iPic. Although Country is not a member yet, they use the system to fight illegal trade		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Senegal				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.					
				ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.					
Serbia	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hoc compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information	SER requested country-to-country assistance to establish equipment labelling & equipment / service log-books	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations	Training of new NOU staff	SER requested training of RAC trainer on safe use of alternative refrigerants
	COM. Meeting participation of NOU staff in Bucharest Sep 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Bucharest Sep 2015	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Bucharest Sep 2015	COM. A7 and CP data for 2015 reported	COM. Dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Bucharest Sep 2015	OTH.	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations, award & certificate	COM. NOU staff trained in Vienna Dec 2015 (jointly with UNIDO)	OTH.
Seychelles	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		COM. CAP assisted country to establish licensing and quota system and register all HCFC importers.	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	COM. Country celebrated Ozone Day		COM. Country registered in the iPIC system		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Sierra Leone	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	COM. Country celebrated Ozone Day		COM. Country requested to be registered in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity building of the NOO	
Singapore	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	assist with enforcement of HCFC licensing and/or quota systems		assist with timely and accurate reporting Article 7.	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM.		ONG.	COM.		COM. CAP encouraged NOU to regularly use iPIC, which was discussed in network meeting in October 2015 and June 2016.		
Solomon Islands	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of Ozone staff and encouraging the further integrate the implementation of the Montreal Protocol into national institutional processes.	
	COM. NOU participated in all network and thematic meetings. Additionally, country also participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Sustained compliance for reporting years 2014 and 2015. CAP service provided.	COM. Supported country for the application and enforcement of national legislation. All RAC technologies and refrigerants are required to have permits prior to importation.	COM. Linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. Reporting years 2014 and 2015 completed	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Country is an active member of iPIC	COM. Senior NOO received regular updates on new and emerging subjects of the Montreal Protocol. Services of senior NOO is also used in supporting the training and capacity building of New NOO in the PIC networks.	

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Somalia	Facilitate participation in Network & thematic meetings		Assist with developing or improving HCFC quota system	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		
	ONG. The country did not have Ozone Officer during the year 2015		ONG. The country did not have Ozone Officer during the year 2015	ONG. The country did not have Ozone Officer during the year 2015	ONG. The country did not have Ozone Officer during the year 2015	ONG. The country did not have Ozone Officer during the year 2015		ONG. The country did not have Ozone Officer during the year 2015		
South Africa	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with labelling schemes	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Ozone Day celebrations		Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		COM. CAP assisted country to establish licensing and quota system and register all HCFC importers.	ONG. Country initiated the process for labelling of ODS	COM. Country submitted data to OS on time and to MLFS using online platform on time	COM. Country celebrated Ozone Day		COM. Country requested to be registered in the iPIC system		
South Sudan	Facilitate participation in Network & thematic meetings		Assist with development of ODS legislation, assist with developing HCFC licensing and quota system	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. Country issued a Ministerial Order for the control of ODS and has drafted HPMP project which includes development of licensing and quota system	OTH. Country not ready for standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	COM. Country celebrated Ozone Day	OTH. Country will participate in South-South cooperation in 2016	COM. Country requested to be registered in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity building of the NOO	
Sri Lanka	Facilitate participation in Network & thematic meetings and follow up on recommendations	Non-compliance risk analysis		Designing a strategy for development of a national technician certification scheme	Assist with timely and accurate reporting Article 7 and CP data		Facilitate South-South cooperation with Maldives on ODS related Risk-profiling in ASYCUDA based Single Window System			Assist in reporting requirements of MB, including QPS, to the Ozone Secretariat
	COM. NOU participated in 2016 Network & Thematic meetings	ONG. Country is Under Compliance		ONG. In August 2016 a workshop has been planned.	COM. CP data and A7 submitted ontime.		ONG. NOU is assisted on that. CAP Team is visiting to further take up with Maldives in August 2016.			ONG. email exchanges and network meeting clarifications were provided on QPS use.

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Sudan	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country requested to be registered in the iPIC system	COM. Separate bilateral discussions conducted during all 2015 Network and thematic meetings for capacity building of the NOU	
Suriname	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with RAC certification system	Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage adoption of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU had not been actively participating in network meetings, however, country recommitted. Attended May-16 Chile Joint meeting		COM. CAP provided support with policy matters.	ONG. CAP staff provided guidance on issues	COM. Special support provided for 2012, 2014 data not recorded by OS and MLFS. Data submitted on time	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in iPIC	OTH. Country to participate in UNEP's global activity when rolled out	
Swaziland	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country did not participate in South-South cooperation in 2015	COM. Country has registered in the iPIC system		
Syrian Arab Republic	Facilitate participation in Network & thematic meetings	Assist to maintain Compliance	Assist with enforcement of HCFC licensing and/or quota systems; Assist with labelling scheme		Assist with timely and accurate reporting Article 7 and CP data			Encourage adoption of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. All support provided to facilitate Syria's participation in regional and global meetings	COM. Policy and technical advice provided to maintain compliance along with close monitoring	COM. assistance provided to update and operate the systems		COM. Support provided for timely reporting of data, despite their security challenges			ONG. CAP encourages Country to join system. Syria is considering joining	COM. Continued supporting the NOU staff for proper functioning	
Tanzania, United Republic of	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year		COM. Country has registered in the iPIC system		
Thailand	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis			Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC		
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.			COM. Country submitted CP data. 2015 Article 7 data is to be submitted by 30 September 2016.	COM.	ONG. South-south cooperation on Border Dialogue on ODS Control with Lao was conducted in Dec 2015, further dialogue with Cambodia is being planned in the last quarter of 2016 separately. Also, to build capacity of new NOO of Myanmar is planned in last quarter of 2016.	COM. CAP encouraged NOU to regular use iPIC, which was discussed in network meeting in October 2015 and June 2016.		
Timor-Leste	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with review of legislation, enforcement of HCFC licensing and/or quota systems	Assist with RAC training, assist technical college on the establishment of national good practices training programmes and certification system and catering for full time RAC students and for the working technicians,	Assist with timely and accurate reporting Article 7 and CP data; Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation	Encourage use of iPIC	Training of new Ozone staff.	
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM. CAP staff provided assistance to NOU in Nov 15 and Jul 16 during mission. CAP staff participated in meeting with Customs and reviewed the existing mechanism of licensing and quota system in Jul 2016.	ONG. In 2015, NOU entered into MOU with training center. RAC training will be organized in September 2016. Country is not yet ready to implement certification system.	COM. Country submitted data on time.	COM.	ONG. Timor Leste will nominate customs officers to attend the customs training in Indonesia in August 2016.	COM. CAP encouraged NOU to regular use iPIC in Nov 2015 during mission to country. This was also discussed in network meeting in October 2015 and June 2016.	ONG. Training of new NOO is planned in Indonesia/Malaysia. Discussion is on-going.	
Togo				Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.			X		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.			ONG.		
Tonga	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	training of Ozone staff on new and emerging subjects of the Montreal Protocol	
	COM. NOU participated in all network and thematic meetings. Additionally, country also participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Sustained compliance for reporting years 2014 and 2015. CAP service provided.	COM. Assisted in the review of legislation for banning the importation of HCFC based equipment. This is also in keeping with the HPMP deliverables.	COM linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. reporting years 2014 and 2015 completed	COM. this is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. Two national trainers trained in 2- weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Country is an active member of iPIC	COM. senior NOO received regular updates on new and emerging subjects of the Montreal Protocol. Services of senior NOO is also used in supporting the training and capacity building of New NOO in the PIC networks.	
Trinidad and Tobago	Facilitate participation in Network & thematic meetings				Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of iPIC	Advance training of existing Ozone Officer or assistant	
	COM. NOU participated in all Network & Thematic meetings				COM. Country encouraged to support data online.	COM. Regional awareness activities programmed as part of Network meetings.	COM. S-S cooperation activities programmed as part of Network meetings	COM. Country encouraged to participate in iPIC	OTH. Country to participate in UNEP's global activity when rolled out	COM. Missions held Mar-16 to progress with MBr Project.
Tunisia	Facilitate participation in Network & thematic meetings			Assist with RAC certification system and standards.	Assist with timely and accurate reporting Article 7 and CP data. Promote use of online CP data reporting.		Facilitate South-South cooperation with another country	X		
	COM. NOU participated in network & thematic meeting in Dakar (2015) and Victoria Falls (2016)			ONG.	COM. Country reported on time 2015 Art 7 data and 2015 CP data.		ONG.	ONG.		



Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Turkey	Facilitate participation of ozone / customs officers in ECA network meeting	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hop compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information		Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations	Training of new NOU staff	TUR requested training of RAC trainer on safe use of alternative refrigerants (schedule dOctober 2015)
	COM. Meeting participation of NOU staff in Bucharest Sep 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	ONG. A7 and CP data for 2015 pending consolidation of discrepancies, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Bucharest Sep 2015	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Bucharest Sep 2015	ONG. A7 and CP data for 2015 pending consolidation of discrepancies	COM. Dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Bucharest Sep 2015		COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & iPIC consultations, award & certificate	OTH. NOU Turkey cancelled participation the training in Vienna Dec 2015 (jointly with UNIDO)	COM. Turkish RAC trainer participated in BFS KKK training in Maintal Oct 2015
Turkmenistan	Facilitate participation of ozone / customs officers in ECA network meeting and customs cooperation	Monitor reported ODS consumption / operational licensing & quota system in place / timely data reporting, offer ad-hop compliance support upon request	Encourage the adoption of equipment labelling & equipment / service log-books, encourage the adoption of safety / performance standards, share information on HFC-related policies	Encourage the establishment of training / assessment / certification schemes for RAC technicians, good practices in the RAC sector	Monitor & facilitate timely reporting of Article 7 / Country Programme data (online reporting), offer ad-hoc assistance upon request	Promote access to technology information	TKM requested country-to-country assistance to establish assessment / certification scheme for RAC technicians or to support stakeholder consultation with building planners / RAC experts, to support training on servicing ammonia systems	Ceremony of the fourth edition of ECA Ozone Protection Award for Customs & Enforcement Officers in Turkmenistan, promotion of iPIC consultations		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. Meeting participation of NOU staff in Minsk Oct 2015 and Ashgabat May 2016, Customs in Ashgabat May 2016	COM. A7 and CP data for 2015 reported, compliance	ONG. Related sessions included in network & thematic meetings, sharing experience of Macedonia FYR on labelling & log-book keeping, dissemination & translation of fact sheets on HFC, safety etc., meeting participation of RAC expert in Minsk Oct 2015	ONG. Related sessions included in network & thematic meetings, sharing experience of Croatia on training & certification on previous related activities, meeting participation of RAC expert in Minsk Oct 2015	COM. A7 and CP data for 2015 reported	COM. Dissemination & translation of fact sheets, technology roundtable & exhibition in Belgrade Dec 2015, meeting participation of RAC expert in Minsk Oct 2015	OTH.	COM. NOU & Customs participated in ECA customs cooperation meeting and ceremony of ECA Ozone Protection Award for Customs & Enforcement Officers (4th edition) in Ashgabat May 2016, presentation of seizure summary & IPIC consultations, award & certificate		
Tuvalu	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the IPIC, assist and facilitate on the bilateral ODS trade data queries	training of new Ozone staff appointed in March 2015	
	COM. NOU participated in all network and thematic meetings. Additionally, country also participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	COM. Sustained compliance for reporting years 2014 and 2015. CAP service provided.	COM. Assisted in the review of legislation for controls in the handling and storage of HCFCs. This is also in keeping with the HPMP deliverables.	COM. Linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	COM. reporting years 2014 and 2015 completed	COM. This is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. A senior RAC technician trained for 2-weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. Country is an active member of IPIC	COM. New ozone officer appointed in 2015. Attended 2015 PIC regional workshop for training of NOU. Followed by communication on on-line and telecommunication as continuous training and capacity building.	
Uganda	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage use of IPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. NOU will start the process of establishment of standards during HPMP second tranche implementation	COM. Country submitted data to OS on time and to MLFS using online platform on time	OTH. Country did not participate in the regional awareness this year	OTH. Country did not participate in South-South cooperation in 2015	COM. Country has registered in the iPIC system		
United Arab Emirates	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities	Facilitate South-South cooperation with another country	Encourage adoption of iPIC	Basic training of new Ozone Officer or assistant	Organising annual symposium on alternative refrigerants for high-ambitn countries
	COM. support provided to facilitate UAE participation in regional meetings. UAE hosted 2015 regional thematic workshop on standards		COM. assistance provided to update and operate the systems		COM. Timely reporting of A7 data	COM. Used the opportunity of UAE hosting of MOP-27 to organize several regional thematic events	COM. UAE hosted several regional and global events that helped it build and strengthen its cooperation network	ONG. UAE is making use of the system to fight against illegal trade	COM. Continued providing support to NOU as needed	COM. High ambient Forum organized in margins of MOP-27 hosted by UAE
Uruguay	Facilitate participation in Network & thematic meetings				Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.				COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
Vanuatu	Facilitate participation in Network & thematic meetings.	Provision of compliance support services,	Assist with legislative review/updates where necessary, enforcement of ODS licensing and/or quota systems, provide targeted policy and legislative support for address the use of ODS and technology adaptation for the Fishery sector	Assist with RAC certification system; Assist with labelling schemes, support the application of decisions XIX/6 for the adoption of longer term alternatives, support the assessment of use of ODS and other refrigerants in the Fishery sector. Work with Public and Private sectors on encouraging the use of non-ODS, climate and energy efficient alternatives in the post Cyclone Pam rebuilding.	Assist with timely and accurate reporting Article 7 and CP on line data reporting, including early warnings on any potential non-compliance	Assist with Regional and national Awareness activities both for the general public and specifically for the Air-conditioning and refrigeration sectors.	Base on country specific needs facilitate south-south, north-south cooperation.	Assist in the renewal of the iPIC, assist and facilitate on the bilateral ODS trade data queries	Training of NOU on new and emerging subjects of the Montreal Protocol, encourage new environment administration to continue with the institutional integration of the IS and HPMP as part of the ongoing operation of this division housing the NOU	
	COM. NOU participated in all network and thematic meetings. Additionally, country also participated in the Asia and Pacific Thematic workshop for ODS alternative surveys (June 2016).	ONG : Sustained compliance for reporting years 2014. Supporting country in the preparation of 2015 data	ONG. Assisted in the review of legislation for controls in importation of HCFC based equipment. This is also in keeping with the HPMP deliverables.	ONG. linked as component of HPMP, ODS alternative surveys (policy assessment) and national attention on HFC negotiations.	ONG. reporting years 2014 completed, supporting country for the preparation of 2015 data	COM. this is an ongoing CAP service continually providing to country technical and with awareness raising materials through the UNEP OzonAction clearing house services.	COM. Two national trainers trained in 2- weeks under train the trainer in good servicing practices for longer term (HC) alternatives - June 2016	COM. country is an member of iPIC	ONG. Change in NOO in August of 2015. This new NOO received training at the PIC 2015 regional training for NOO. New NOO then vacated office in Dec. 2015. UNEP is working with country for the filing of the NOO position vacant since Jan2016 . The new recruitment is planned for August 2016.	
Venezuela, Bolivarian Republic of	Facilitate participation in Network & thematic meetings				Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU participated in the 2015 and 2016 LAC Joint Network Meetings.				COM. Country submitted data on time	COM. For easy access to Spanish translation of relevant publications, links were uploaded to the official UNEP ROLAC website and forwarded too by email. Furthermore, electronic circulation of the Ozone news bulletin for Latin American main stakeholders was carried out through the year, with a periodical publication monthly based. Additionally, webinar announcements, translated into Spanish, were distributed among NOOs and main stakeholders of the Latin American countries regarding Montreal Protocol topics.		COM. CAP encouraged NOU to regularly use iPIC during network meetings.		
Viet Nam	Facilitate participation in Network & thematic meetings	Non-compliance risk analysis	Assist with review as necessary and enforcement of HCFC licensing and/or quota systems		Assist with timely and accurate reporting Article 7 and CP data	Assist with Regional Awareness activities		Encourage use of iPIC		
	COM. NOU participated in network & thematic meeting in Thailand (2015) and Fiji (2016)	COM. 2015 consumption was below obligations.	COM.		COM. Country submitted data on time.	COM.		COM. CAP encouraged NOU to regularly use iPIC, which was discussed in network meeting in October 2015 and June 2016.		
Yemen	Facilitate participation in Network & thematic meetings	Assess impact to Compliance due to country political/security situation			Assist with timely and accurate reporting Article 7 and CP data					
	OTH. Country was unable to participate in any of CAP/ozone meetings since mid of 2015 due to instability in the country	OTH. Cannot evaluate due to political unrest and lack of data reporting			OTH. Challenges faced in operation of NOU and collection of data due to unrest in the country					
Zambia	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Ozone Day celebrations	Facilitate South-South cooperation with another country	Encourage use of iPIC		

Country	CAP services									
	Network & thematic meetings	Compliance	Policy support	Technical assistance	Data reporting	Awareness and Information	South-South cooperation	Monitoring & control of ODS trade	NOU training	Other
	COM. NOU Participated in all 2015 Network and thematic meetings		ONG. CAP assisted country to process and allocate 2015 quotas and register all importers	ONG. Country initiated the process for establishment of standards	COM. Country submitted data to OS on time and to MLFS using online platform on time	COM. Country celebrated Ozone Day	OTH. Country did not participate in South-South cooperation in 2015	COM. Country has registered in the iPIC system		
Zimbabwe	Facilitate participation in Network & thematic meetings		Assist with enforcement of HCFC licensing and/or quota systems	Assist with standards	Assist with timely and accurate reporting Article 7 and CP data, Promote use of online CP data reporting	Assist with Regional Awareness activities		Encourage use of iPIC		

## ANNEX 2C: CAP PARTNERSHIPS FOR OZONE PROTECTION AND CLIMATE BENEFITS

Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
<b>Refrigeration and Air Conditioning Sector</b>				
Air Conditioning, Heating, and Refrigeration Institute (AHRI)	Industry association	Global	Promoting a global industry approach to qualify refrigeration technicians; cooperating in addressing technical needs for promoting low-GWP alternatives	Partnering through a cooperation framework to develop and deploy a global refrigeration qualification program amongst RAC industry associations – the Refrigerant Driving License (RDL) – and jointly develop project to address the technical needs related to promoting low-GWP refrigerants; collecting feedback on needs to update standards for flammable refrigerants; organizing joint events and dissemination of information.
Air Conditioning and Refrigeration European Association (AREA)	Professional association	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology; online e-learning; materials on the use of new refrigerants; certification of technicians	Sharing experience on strengthening RAC associations, training, certification, technology transfer and innovation with the network countries; developing training kits for the sound use of new refrigerants for training centres and institutes in Article 5 countries.
Architects and building planners	Private and public sectors	National	Building design and technology choice	Outreaching Montreal Protocol issues to architects and building planners related to energy and ozone-friendly building design, building codes and technology choices.
ASHRAE	Professional association	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology; e-training; organizing joint international and regional events; strengthening RAC associations in Article 5 countries; supporting ODS phase-out activities through promotion of responsible and sound management of refrigerants	UNEP and ASHRAE have a formal framework of cooperation and an annual work plan. Activities include: organising joint international and regional technical events; supporting/strengthening RAC associations in Article 5 countries; facilitating access of Article 5 countries to ASHRAE's knowledge tools; developing joint online training courses and outreach materials. UNEP is also part of ASHRAE's refrigeration and research committees to ensure that the needs of Article 5 countries are known to ASHRAE for its standards, research and global

Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
				activities.
Bundesfachschule Kälte-Klima-Technik (BFS)	Training institute	Global	Training and capacity building related to safe use of ozone-friendly low-GWP & energy efficient RAC technology	Cooperating with UNEP under the EC bilateral project.
China Household Electric Appliances Association (CHEAA)	Industry Association	National	Facilitating South-South cooperation (especially in the SEAP region) to exchange China's experiences with the transition to R290 (propane) in A/C industry to other Article 5 countries; cooperating in risk assessment for higher flammability or A3 refrigerants	Supporting the annual conference of CHEAA; organizing a special workshop and field trip for A/C industry from Middle East high ambient temperature (HAT) countries in the margins of the CHEAA conference; cooperating to assist HAT countries to build a risk assessment model for the use of A3 refrigerants.
China Trust Fund	Government agency	Regional	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology in Asia-Pacific region	Bilateral project funded outside of Multilateral Fund: "Strengthen the capacity of the Asia Pacific countries for the adoption of the environmental friendly alternatives through South-South Cooperation for the implementation of the Montreal Protocol." Includes information sharing, capacity building related to low-GWP alternatives, workshops, and training.
Environmental Investigation Agency (EIA)	NGO	Global	Promoting climate-friendly RAC technologies	Participating in UNEP Network meetings; sharing and outreaching information related to low-GWP alternatives in supermarket RAC systems.
European Commission (EC)	Government agency	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology.	Bilateral project funded outside of Multilateral Fund: "Maximising the climate benefits of the HCFC phase out" (PICs, Francophone Africa).
European Partnership for Energy and the Environment (EPEE)	Industry association	Europe	Exchanging experiences between Europe and Article 5 countries on policies and market practices/measures to comply with environmental regulations for eliminating ODS and reducing dependency on high-GWP alternatives	Sharing experiences of the EU in market adaptation with F-Gas regulation to Article 5 countries; cooperating with the West Asia region on non-ODS surveys and market projections.
Federation of European Heating, Ventilation and Air Conditioning Associations (REHVA)	Private sector	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology in buildings and building design	Outreaching energy efficient buildings, in-door air quality, air-conditioning and ventilation through publications and website.



Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
Global Refrigerant Management Initiative (GRMI)	Initiative (RAC industry associations)	Global	Promoting the sound management of refrigerants amongst RAC industry; supporting training and emissions reduction measures; advocating for refrigerant management policies and norms	UNEP is cooperating with GRMI secretariat and members to convey the needs and voice of Article 5 countries and Montreal Protocol to that initiative. RDL, which is joint UNEP-AHRI Initiative, is becoming one of the partners to GRMI.
International Institute of Refrigeration (IIR)	Inter-Governmental Organization	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology in the cold chain	Sharing technical information and expertise; organising joint events; co-organizing thematic workshop on alternative technologies for cold chain adapted to Africa.
International Maritime Organisation (IMO)	International organisation	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology in the maritime and fishing sectors.	Collecting data and sharing and outreaching information and publications related to the maritime and fishery sector.
Japan Refrigeration and Air Conditioning Industry Association (JRAIA)	Industry Association	National	South-South cooperation to exchange Japan experience in transition to low-GWP alternatives in A/C industry to other Article 5 countries; cooperating in risk assessment for A2L refrigerants.	Organizing special workshop and field trip for A/C industry from Middle East HAT countries to Japan; cooperating to assist HAT countries to build risk assessment model for the use of A2L refrigerants.
Ministries of Labour	Government agency	National	Training and capacity building related to good servicing practices and ozone-friendly low-GWP and energy efficient RAC technology for technicians in the formal and informal sectors	Mainstreaming codes of good practices including the incorporation of flammable refrigerant-based RAC equipment and energy efficiency issues into national certification systems for RAC technicians to ensure safe handling of flammable refrigerants; sustaining good practices training; raising awareness of the training needs for the informal sector.
Pacific Islands Forum Fisheries Agency (FFA)	Inter-Governmental Organization	Regional	Promoting adoption of ozone-friendly low-GWP and energy RAC technology	Collecting data, sharing and outreaching information and publications related to the maritime and fishery sector; collaborating on an assessment of ODS used in the fishing sector in Pacific Islands.
RAC associations	Professional association	National	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology	Supporting HPMP implementation, often including training, assessment and certification of technicians; providing access to technology information to their member companies; participating in selected network activities; participating in or co-organizing

Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
				Ozone2Climate technology roundtables and exhibitions; outreaching information. <sup>1</sup>
RAC vocational training institutes/colleges	Training institution	National	Training and capacity building related to ozone-friendly, low-GWP & energy efficient RAC technology	Assisting the delivery of training programmes under HPMPs and update national training curricula to cover good practices including safe handling low GWP, flammable refrigerants.
Refrigerants, Naturally!	Private sector	Global	Promoting adoption of ozone-friendly low-GWP and energy efficient RAC technology in point-of-sale applications	Partnership includes The Coca Cola Company, Pepsico, Redbull and Unilever. UNEP and Greenpeace are supporters (producing and sharing information, conducting joint outreach activities). Recognised by UNCSD as a Partnership for Sustainable Development. As of July 2016, the partners have collectively placed 5 million units using natural refrigerants worldwide, resulting in around 30 million metric tons of CO <sub>2</sub> emissions prevented (equal to the annual emissions of more than 6.1 million passenger vehicles).
Secretariat of the Pacific Community (SPC)	Intergovernmental	Regional	Supporting RAC technical vocational training and energy efficiency policy management in the Pacific region	UNEP is exploring with SPC about forming possible synergies with the Pacific Islands labelling standards for RAC systems, technical vocational training/certification in formal national educational institutions and in linking to energy efficiency management policies.
<b>Standards and codes</b>				
Department of Public Works / Fire Departments	Government agency	National	Updating/developing building codes to support introduction of low GWP alternatives	Revising/updating of national building codes, etc. to remove barriers and consider safety issues for the application of RAC equipment using flammable

<sup>1</sup> Examples include (non-exhaustive list): Bangladesh BRAMA, China CRAA and CHEAA, India ISHRAE, Pakistan HVAC Association, Maldives RAC association, Mongolia RAC association, Republic of Kora KRAIA and KSCIA, Serbia KGH, Sri Lanka RAC association. Albanian Air Conditioning and Refrigeration Association, Armenian Refrigeration Association, Bosnia and Herzegovina Metal and Electrical Industry Association, Croatian Refrigeration AC and Heat Pumps Association, Georgian Association of Refrigerating, Cryogenic and Air Conditioning Engineers, Hungarian Refrigeration and Air Conditioning Association (HRACA), Kyrgyz Public Association of Refrigeration Technicians "ECOHOLOD", Macedonian (FYR) Association for Refrigeration & Air-conditioning Technicians, Moldovan Public Refrigeration Association, Polish National Refrigeration Forum, Romanian General Association of Refrigeration (AGFR), Russian Union of Refrigeration Industry (Rossoyuzholodprom), Russian International Academy of Refrigeration(IAR), Russian Association of Climate Industry Enterprises (APIC), Russian Guild of the Refrigeration, Russian Scientific - Industrial Association of Refrigeration "Holodprom", Tajik Association "Center of Artificial Cold", Turkish Air-Conditioning & Refrigeration Manufacturers' Association (ISKID), Turkish Foundation for Heating, Cooling and Air-conditioning Research and Education (ISKAV), Turkish Association for Refrigeration and Air-conditioning Education, Consultancy and Research (ISED), Turkish Association of Refrigeration Industry Businessmen (SOSIA), Turkish Association of the Aegean Industrialists and Businessman of the Refrigeration (ESSIAD), Serbian Union of Mechanical and Electrical Engineers and Technicians (SMEITS) - Society for Heating, Refrigerating and Air-conditioning (KGH).

Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
				refrigerants.
Emirates Authority For Standardization and Metrology (ESMA)	Government agency	National	Organizing joint conferences and events about low-GWP alternatives and technologies; promoting the update of RAC standards; establishing relationships between refrigerant selection and energy efficiency programs	Jointly organizing 5 international symposia on alternative refrigerants for high ambient countries; organizing regional event on update of RAC and foam-related standards in the West Asia region.
Standards organisations	Government agency	National	Updating/developing standards for services and products with low GWP alternatives	Encouraging (through NOUs) the establishment or updating of national standards / codes of good practice for the safe installation and servicing of RAC equipment using flammable refrigerants to facilitate the uptake of new long term alternatives and technologies.
<b>Customs and enforcement</b>				
Customs agencies	Government agency	National	Promoting enforcement of trade provisions for ODS under the Montreal Protocol; customs training	Training activities under HPMPs; contact point for Montreal Protocol-related training of customs officers; disseminating enforcement-related information; reporting seizures of ODS, mixtures and equipment; participating in enforcement-related events; training related to HPMP implementation through customs training institutes; reporting of illegal ODS trade; nominating candidates for ozone protection award (ECA region).
European Commission (EC)	Government agency	Global	Enforcing ODS licensing systems	Active partner of iPIC initiative.
Environmental Investigation Agency (EIA)	NGO	Global	Preventing illegal trade in ODS	Participating in UNEP Network meetings; outreach information about combatting illegal ODS trade through publications and website.
Green Customs Initiative (GCI)	International organisation	Global	Customs training; compliance and enforcement; combatting illegal ODS trade	The GCI partners include the Secretariats of the relevant multilateral environmental agreements (Basel, Cartagena, CITES, Montreal, Rotterdam Stockholm), Interpol, the Organisation for the Prohibition of Chemical Weapons, UNEP, the United Nations Office on Drugs and Crime (UNODC) and the WCO. The partnership is coordinated by UNEP DELC.

Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
World Customs Organisation (WCO)	International organisation	Global	Customs training; e-training; compliance and enforcement; combatting illegal ODS trade	UNEP and WCO have a formal framework for cooperation (MOU). UNEP collaborated with WCO to develop a Montreal Protocol e-learning course for customs officers, which is hosted by WCO's e-learning platform; mutual participation in relevant events. UNEP cooperates with WCO Headquarters as well as WCO's Regional Intelligence Liaison Offices (RILOs), Regional Offices of Capacity Building (ROCB), and Regional Training Centres (e.g. AKMAL in Malaysia, ROK, India).
<b>Inventories</b>				
Australia Department of Foreign Affairs and Trade (DFAT)	Government agency	National	Supporting HFC & low GWP inventories	Bilateral project funded outside of Multilateral Fund: "HFC & low GWP inventory for Fiji."
Climate and Clean Air Coalition (CCAC)	International organisation	Regional	Supporting HFC & low GWP inventories	Bilateral projects funded outside of Multilateral Fund: "HFC & low GWP inventories for Bahamas, Cambodia, Kyrgyzstan, Maldives, Mongolia; HFC Inventory Summary document."
<b>ODS destruction</b>				
European Commission (EC)	Government agency	Global	Supporting ODS destruction	Bilateral project funded outside of Multilateral Fund: "Environmentally sound collection, management and destruction of ODS banks in developing countries."
<b>Other</b>				
Bilateral partners of the Regional Networks of Ozone Officers	Montreal Protocol focal points	National	Implementing Montreal Protocol	Sharing experiences of non-Article 5 countries (and former accession countries to the EU) on legislation, policy setting, enforcement, training, certification etc. with the network countries.
Gulf Cooperation Council (GCC) Secretariat	Regional	Regional	Developing regional policies and regulations in support of Montreal Protocol; compliance and enforcement; combatting illegal ODS trade	UNEP is cooperating with GCC and other regional & sub-regional organizations and secretariats (LAS, RILO, ICARDA, ACSAD, GOIC) to support the development and implementation of national phase out policies and strategies and combat illegal trade of ODS.
Countries with Economies In Transition (CEITs)	Government agency	National	Sharing experiences about Montreal Protocol implementation	Participating in network, thematic and customs cooperation meetings, iPIC (ECA)

Organisation	Type of organisation	Scope	Type of cooperation with UNEP	Details about partnership (past, present and/or future)
Implementing Agencies (UNDP, UNIDO, WB)	International organization	Global	Partnering to assist Article 5 countries	Joint meetings, training, project implementation
Media & outreach	Private sector	National	Outreaching Montreal Protocol related information	Outreaching Montreal Protocol articles, e.g. Cooling Post, KGH journal, NOU & Ministry websites, UNEP in Europe, WCO "Environet"

## ANNEX 2D – REPORT ON UTILISATION OF CAP STAFF FOR MULTILATERAL FUND AND MONTREAL PROTOCOL ACTIVITIES

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This Annex complies with Decision 70/10(d)(ii), which requested UNEP to continue providing reports on the utilization of Compliance Assistance Programme (CAP) staff for Multilateral Fund Montreal Protocol activities according to the following five categories in the context of annual progress and financial reports:

- Projects and services approved by the Executive Committee;
- Pursuing synergies or implementing joint activities with other non-Multilateral Fund partnerships and initiatives;
- Mobilizing resources for ozone protection activities from entities outside of Multilateral Fund;
- UNEP-wide processes and activities; and
- Administrative activities.

### Use of staff time

All CAP staff have developed their individual work plans for the period 1 April 2015 – 31 March 2016 and 1 April 2016 – 31 March 2017 in close consultation with the Head of OzonAction and the Network and Policy Manager. The individual work plans reflects the goals and priorities set for the staff member for this reporting period. UNEP has ensured that all of the staff paid through CAP focus their time and energy on activities and services approved by the Executive Committee via the Business Plan and CAP Work Programme and Budget.

For the 2015-2016 period, the following CAP teams are involved with management activities for specific projects outside of the Multilateral Fund (as detailed in the Partnership Annex 2C):

Project/initiative	CAP team					
	Africa	Asia Pacific	ECA	LAC	West Asia	Paris
Australia DFAT bilateral project		●				●
China Trust Fund bilateral project		●				●
CCAC bilateral projects		●	●	●		●
EC bilateral projects	●	●				●
USEPA bilateral project	●	●		●		●
Green Customs Initiative inputs	●	●	●	●	●	●

Table 1. Overview of current Partnerships.

CAP team	Projects and services approved by the Executive Committee	Administrative activities for CAP and MLF projects (only Professional staff)	Pursuing synergies or implementing joint activities with other non-Multilateral Fund partnerships and initiatives %	Mobilizing resources for ozone protection activities from entities outside of Multilateral Fund	UNEP-wide processes and activities
Africa – Anglophone	65	30	0	0	5
Africa – Francophone	55	30	10	0	5
Caribbean	65	30	0	0	5
Europe & Central Asia	65	30	0	0	5
Latin America	65	30	0	0	5
Pacific Island Countries	55	30	10	0	5
South Asia	55	30	10	0	5
South East Asia	55	30	10	0	5
West Asia	60	20	0	0	20
Paris (Global)	35	40	10	5	10

Table 2. Estimate analysis.

### Reporting lines

Decision 70/10 (d) (iv) requested UNEP to ensure that the “regional network coordinators were directly accountable to the Network and Policy Manager in the OzonAction Branch, based on the CAP organigram presented in the 2010 CAP budget (UNEP/OzL.Pro/ExCom/59/17), and according to the CAP structure indicated in the original description of the CAP programme provided in UNEP/Oz.Pro/ExCom/35/4.” Since the 2014 performance assessment cycle, the Regional Network Coordinators report to the Head of OzonAction Branch as their First Reporting Officer, to the UNEP Regional Director as their Second Reporting Officer, and to the Network and Policy Manager as Additional Reporting Officer.

**ANNEX 2E - NETWORK AND THEMATIC MEETINGS (1 OCTOBER 2015 – 30 JULY 2016)**

Meeting/workshop	Date and venue
Europe and Central Asia Thematic Meeting on HPMP Implementation for English-speaking Group of Ozone Officers	29 September - 1 October 2015 Bucharest, Romania
Meeting of the Pacific Island Countries Network of Ozone Officers	29 Sept – 1 October 2015 Nadi, Fiji
Thematic Meeting on Maximizing Climate Co-Benefits for HCFC Phase-out (EC bilateral project)	2 October 2015 Nadi, Fiji
Thematic Meeting of the South East Asia Network of Ozone Officers	5-7 October 2015 Bangkok, Thailand
Workshop on Promoting Public Procurement of HCFC-free Equipment and Climate-Friendly Alternatives to HFCs in the African Region (USEPA bilateral project)	12 October 2015 Dakar, Senegal
Ozone2Climate Industry Roundtable (USEPA bilateral project)	13 October 2015 Dakar, Senegal
ECA Thematic Meeting on HPMP Implementation for Russian-speaking Group of Ozone Officers	13-15 October 2015 Minsk, Belarus
Thematic Meeting on the Assessment of Countries Quota and Licensing Systems in the Economic and West African Monetary Union (UEMOA) for Control of ODS and their Application by the Custom Services	13-15 October 2015 Dakar, Senegal
Joint Meeting of the English and French Speaking Africa Networks of Ozone Officers	14-16 October 2015 Dakar, Senegal
Regional Technical Meeting on Codes and Standards in Relation to the Montreal Protocol	27-28 October 2015 Dubai, United Arab Emirates
Round-table Meeting on Updating Regional Foam/Insulation Materials Standards	28-29 October, 2015 Dubai, United Arab Emirates
Round-table Meeting on Updating Regional Refrigeration and Air-conditioning Standards	28-29 October, 2015 Dubai, United Arab Emirates
Follow up Meeting of the West Asia Network of Ozone Officers	30 October 2015 Dubai, United Arab Emirates
The 5th Regional Symposium on Alternative Refrigerants for High-Ambient Countries	31, October, 2015 Dubai, United Arab Emirates
Joint Meeting of the Latin America and the Caribbean Networks of Ozone Officers	30 November-4 December 2015 Panama City, Panama
Asia and Pacific Regional Workshop on Environmentally Friendly Refrigerants in Room Air Conditioners and Field Trip to RAC and Compressor Manufacturing Plant (China Trust Fund)	29 February-3 March 2016 Shenzhen, China
Joint Networks and Thematic Meetings of Ozone Officers for English-French Africa and West Asia	17-23 March 2016 Victoria Falls, Zimbabwe
Ozone2Climate Industry Roadshow and Roundtable	7-9 April 2016 Beijing, China
Workshop on Promoting Public Procurement of Climate Friendly Alternatives to HFCs (USEPA bilateral project)	16 May 2016 Santiago, Chile
Ozone2Climate Industry Roundtable (USEPA bilateral project)	17 May 2016



Meeting/workshop	Date and venue
	Santiago, Chile
Joint Meetings of the Central America, Latin America and the Caribbean Networks of Ozone Officers	18-19 May 2016 Santiago, Chile
Regional Customs Cooperation Meeting and Ozone Protection Award for Customs and Enforcement Officers	24-25 May 2016 Ashgabat, Turkmenistan
Annual Meeting of the Regional Ozone Network for Europe and Central Asia	26-27 May 2016 Ashgabat, Turkmenistan
Meetings of the Asia Pacific Networks of Ozone Officers, back to back with the PIC Thematic Workshop on the Survey of ODS Alternatives	14-20 June 2016 Suva, Fiji
Train the Trainers Workshop on Good Servicing Practices for Longer-Term RAC Alternatives (EC bilateral project)	20 June-1 July 2016 Suva, Fiji