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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Seventy-first Meeting  
Montreal, 2-6 December 2013

**PROJECT PROPOSAL: TOGO**

This document consists of the comments and recommendation of the Fund Secretariat on the following project proposal:

Phase-out

- HCFC phase-out management plan (stage I, second tranche)

UNEP/UNIDO

## PROJECT EVALUATION SHEET – MULTI-YEAR PROJECTS

### Togo

<b>(I) PROJECT TITLE</b>	<b>AGENCY</b>
HCFC phase out plan (Stage I)	UNEP (lead), UNIDO

<b>(II) LATEST ARTICLE 7 DATA (Annex C Group I)</b>	Year: 2012	19.8 (ODP tonnes)
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<b>(III) LATEST COUNTRY PROGRAMME SECTORAL DATA (ODP tonnes)</b>									<b>Year: 2012</b>
Chemical	Aerosol	Foam	Fire fighting	Refrigeration		Solvent	Process agent	Lab Use	Total sector consumption
				Manufacturing	Servicing				
HCFC-123									
HCFC-124									
HCFC-141b									
HCFC-142b									
HCFC-22					19.8				19.8

<b>(IV) CONSUMPTION DATA (ODP tonnes)</b>			
2009 - 2010 baseline:	20.0	Starting point for sustained aggregate reductions:	20.0
<b>CONSUMPTION ELIGIBLE FOR FUNDING (ODP tonnes)</b>			
Already approved:	0.0	Remaining:	13.01

<b>(V) BUSINESS PLAN</b>		2013	2014	2015	2016	2017	2018	2019	2020	Total
UNEP	ODS phase-out (ODP tonnes)	0.5			0.7		0.4		0.7	2.3
	Funding (US \$)	50,850			70,060		45,200		71,190	237,300
UNIDO	ODS phase-out (ODP tonnes)				1.67					
	Funding (US \$)				161.250					

<b>(VI) PROJECT DATA</b>		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total	
Montreal Protocol consumption limits		n/a	n/a	n/a	20.0	20.0	18.0	18.0	18.0	18.0	18.0	13.0	n/a	
Maximum allowable consumption (ODP tonnes)		n/a	n/a	n/a	20.0	20.0	18.0	18.0	18.0	18.0	18.0	13.0	n/a	
Agreed Funding (US\$)	UNEP	Project costs	70,000	0	0	45,000	0	0	62,000	0	40,000	0	63,000	280,000
		Support costs	9,100	0	0	5,850	0	0	8,060	0	5,200	0	8,190	36,400
	UNIDO	Project costs	200,000	0	0	0	0	0	150,000	0	0	0	0	350,000
		Support costs	15,000	0	0	0	0	0	11,250	0	0	0	0	26,250
Funds approved by ExCom (US\$)	Project Costs	270,000	0	0	0	0	0	0	0	0	0	0	270,000	
	Support Costs	24,100	0	0	0	0	0	0	0	0	0	0	24,100	
Total funds requested for approval at this meeting (US\$)	Project Costs	0	0	0	45,000	0	0	0	0	0	0	0	45,000	
	Support Costs	0	0	0	5,850	0	0	0	0	0	0	0	5,850	

<b>Secretariat's recommendation:</b>	Blanket approval
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## PROJECT DESCRIPTION

1. On behalf of the Government of Togo UNEP, as the lead implementing agency, has submitted to the 71<sup>st</sup> meeting a request for funding for the second tranche of stage I of the HCFC phase-out management plan (HPMP)<sup>1</sup> at the amount of US \$45,000, plus agency support costs of US \$5,850 for UNEP only. The submission included a progress report on the implementation of the first tranche of the HPMP together with the tranche implementation plan for 2014 to 2016.

### Progress report on the implementation of the first tranche of the HPMP

2. The following activities had been implemented during the first tranche of the HPMP: Training of 22 trainers and 84 enforcement officers and security forces on the identification and control of HCFCs and HCFC-based equipment, and purchase and distribution of four ODS identifiers and demonstration tours on best servicing practices and leak reduction were provided; training of 30 trainers and 128 refrigeration service technicians on good practices in refrigeration, recovery and recycling of HCFCs, servicing of domestic air-conditioners as well as the safe handling of hydrocarbon (HC)-refrigerants were organized; a meeting to discuss the implementation modalities of the financial incentive programme was organized and basic equipment and service tools (identifiers, portable recovery units with cleaning modules, reclamation units, servicing toolkits for HCFCs and HC-refrigerant) were purchased and distributed among 12 technicians.

3. The national ozone unit (NOU) supervised and monitored the implementation of activities included in the HPMP with the support of a consultant. The NOU organized site visits to monitor the use of the ODS identifiers, the quality of refrigerants in the market and discuss issues related to illegal trade with the customs authorities. Currently, an HCFC database for importers, servicing workshop, refrigeration and air-conditioning (RAC) equipment is being developed.

4. As of September 2013, of the US \$270,000 approved for the first tranche, US \$190,798 had been disbursed. The balance of US \$79,202 will be disbursed by December 2013.

### Annual plans for the second tranche of the HPMP

5. The main activities to be implemented during the second tranche of the HPMP include:
- (a) Further training of 80 customs and enforcement officers on the identification and control of HCFCs and HCFC-based equipment (US \$20,000);
  - (b) Further training of 100 refrigeration technicians on good service practices including recovery and recycling of HCFCs and safe handling of HC (US \$20,000); and
  - (c) Monitoring and evaluation of the implementation of the HPMP (US \$5,000);

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<sup>1</sup> The HPMP for Togo was approved by the Executive Committee at its 62<sup>nd</sup> meeting to reduce HCFC consumption by 35 per cent of the baseline by 1 January 2020.

## SECRETARIAT'S COMMENTS AND RECOMMENDATION

### COMMENTS

#### HCFC imports licensing and quota system

6. In line with decision 63/17, confirmation has been received from the Government that an enforceable national system of licensing and quotas for HCFC imports is in place and that the system is capable of ensuring compliance with the Montreal Protocol HCFC phase-out schedule. The HCFC import quota for 2013 was established at 18.97 ODP tonnes.

#### HCFC consumption

7. The HCFC baseline for compliance has been established at 20 ODP tonnes, based on the actual consumption reported under Article 7 of the Montreal Protocol for 2009 and 2010 as shown in Table 1. The established baseline corresponds to the value in the Agreement between the Government of Togo and the Executive Committee; therefore no adjustments to the Agreement are required.

Table.1 HCFC consumption in Togo from 2008 to 2012 (Article 7)

HCFC	2008	2009	2010	2011	2012	Baseline
<b>Metric tonnes</b>						
HCFC-22	112.2	350.0	375.2	348.0	360.0	362.6
<b>ODP tonnes</b>						
HCFC-22	6.2	19.3	20.6	19.1	19.8	20.0

8. The HCFC consumption reported for 2011 and 2012, and the HCFC import quota set for 2013 are below the maximum allowable consumption of 20 ODP tonnes for 2013 and 2014.

#### Technical issues

9. In responding to the Secretariat's question on the availability and prices of HCFC alternatives, UNEP indicated that R-407 and R-410 are being used in small quantities in air conditioning systems, and R-404a and R-134a in a number of cold rooms and refrigerated containers. According to UNEP, the high prices of alternative refrigerants (about US \$50/kg) and their limited availability constitute a major barrier to their introduction into the local market. HC-refrigerants are available in limited quantities and mainly for air-conditioning demonstration units and training. Consequently, the Government is focusing on strengthening the capacities of the customs officers and refrigeration technicians, expecting that the prices of HCFC alternatives will decrease by 2015. It should be noted, however, that the main refrigeration training school was encouraged to include in its ozone module the safe use of flammable and/or toxic refrigerants since a limited number of HC-based equipment is available in the local market. The Government approach is to strengthen the capacities of the technicians before HC are being widely used.

#### Conclusion

10. The Secretariat notes that an enforceable national system of licensing and quotas for HCFC imports is in place and that the quota issues for 2013 is below the allowable level under the Montreal Protocol. Moreover, the implementation of the HPMP is progressing. The training programme for customs officers and refrigerating technicians is being implemented as planned. The equipment procured by UNIDO was distributed among the training centres throughout the country. These activities will be further strengthened during implementation of the second tranche of the HPMP.

**RECOMMENDATION**

11. The Fund Secretariat recommends that the Executive Committee takes notes of the progress report on the implementation of the first tranche of stage I of the HCFC phase out management plan of (HPMP) in Togo, and further recommends blanket approval for the second tranche of stage I of the HPMP for Togo, and the corresponding 2014 to 2016 tranche implementation plan, with associated support costs at the funding level shown in the table below:

	<b>Project Title</b>	<b>Project Funding (US \$)</b>	<b>Support Cost (US \$)</b>	<b>Implementing Agency</b>
	Stage I of the HPMP (second tranche, stage I)	45,000	5,850	UNEP

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