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**Final Report for SADC Sub-Region for the period-
July - December, 2014**

Contract No. ISA- 10421/ABDALLA

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Submitted on: December 4, 2014**

Included in this report:

1. The 4th Joint UNIDO/UNEP Project Steering Committee (PSC) Meeting, Durban, South Africa, 15-17 July, 2014;
2. Phase-2 of Pilot Demonstration Project on cleaning-up of Contaminated Sites- PPO-Tengeru Site; Tengeru, Tanzania; July 31- August 20, 2014;
3. Validation Workshop to finalize the Project Document on Waste Open Burning Project; Gaborone, Botswana; November 25-26, 2014;
4. The Joint UNIDO/UNEP 4th Project Coordination Body (PCB) Meeting for LDCs project for COMESA, ECOWAS and SADC sub-regions- Maputo, Mozambique; December 2-3, 2014;
5. Progress report on national activities (July-December, 2014).

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1. The 4th Joint UNIDO/UNEP Project Steering Committee (PSC) Meeting, Durban, South Africa, 15-17 July, 2014



Background

The aim of this project is to facilitate participating countries to build the capacity to implement measures required to meet their obligations under the Stockholm Convention, including Persistent Organic Pollutants (POPs) reduction measures and that will improve their general capacity to achieve the sound management of chemicals.

The project management documents indicate that the PSC meeting is scheduled to take place every 6 months and the PSC consists of the Country Focal Points, Regional Economic Commission (RECs) representatives from COMESA and SADC, Africa Institute, Monitoring and Evaluation (M&E) Partner, UNEP and UNIDO, UNEP's Regional Office for Africa and World Wide Fund WWF.

For that purpose the 4th PSC meeting was hosted by UNIDO, in Durban (South Africa), July 15-17, 2014, with the aim at sharing and discussing the first half of 2014 national and regional project activities reports and financial reports, and reviewing and amending the

second half of 2014 Regional and National Action Plan and budgets. The full list of participants of the 4th PSC meeting is attached as Annex-2.

This report is a summary of the deliberations and outcomes of the discussions during the 4th PSC meeting, for UNIDO components.

Introduction

Introduction remarks were made by Mr. Mohamed Eisa, UNIDO Representative and Regional Director of the SADC Region. In his remarks, Dr. Mohamed indicated to the participants that UNEP could not attend this meeting but he said they would be represented by WWF and any of the recommendations that would be made in this meeting will be conveyed to UNEP by WWF. Furthermore, Mr. Eisa pointed out the presence of the consultant assigned to carry out the mid-term review of the UNIDO Project component. He said he expects the consultant will discuss with the participants the project progress on bilateral basis to evaluate progress and identify constraints if there are any. Towards the end of his remark he recalled that the 4th PSC meeting was scheduled to be held in Kinshasa, DRC. However he said due to unforeseen circumstances the meeting could not be held as originally scheduled. He thanked the POPs focal Points for their patience and understanding in this regard.

Following the remarks made by Dr. Mohamed Eisa, Mr. Laurent Some, Director, WWF, Nairobi, Kenya, made remarks on behalf of UNEP and welcomed the participants.

The participants then introduced themselves, their roles, and the institutions they represent. The introduction of participants was followed by country presentations. Countries that made presentation on the country level project progress against the planned activities included: Tanzania followed by Swaziland, Lesotho, Mozambique, DRC, Sudan, Ethiopia, Uganda, Burundi and Rwanda.

1.1 Countries Presentations

1.1.1 Lesotho

Lesotho signed a contract with UNIDO to undertake and organize national awareness raising workshops on cleaner waste management with the aim to promote business & job opportunities in the field of waste management (Activity 2.1.1 of the LDCs Project). An amount equivalent to \$7,000 will be sent to the national university of Lesotho to undertake the aforesaid activity. There were some issues with the signed contract and it will have to be amended. This activity is scheduled to take place in August, 2014.

Lesotho also signed the contract to undertake PPG (Project Preparation Grant) on open burning to collect baseline information in preparation to develop the project document in open burning. UNIDO will make available to Lesotho a sum of \$6,500 to undertake this activity.

A letter of request was submitted by Lesotho to UNIDO to update the NIP document and inventory of the 10 new POPs through UNIDO. The allocated budget for NIP update is \$112, 000 with UNIDO contribution is \$38,000. A contract between UNIDO and Lesotho was signed in November, 2013. A bank account was opened and the first UNIDO transaction of \$20,000 was received by Lesotho on May, 2014. NIP update inception workshop is scheduled to take place the week of 11th August 2014 followed by inventories & NIP Update.

1.1.2 Mozambique

During the reporting period, Mozambique has embarked in promoting and encouraging of job opportunities in the field of waste Management.

Since April 2014 Mozambique has also started doing inventory of hazardous wastes and establishing of database information system in the field related to collection of wastes from municipalities and their final disposals. The government of Mozambique is also now revising regulations related to hazardous wastes with special focus on POPs chemicals.

Mozambique signed a contract with UNIDO to conduct Activity 2.1.1 (cleaner waste management). A national workshop related to this activity is scheduled to take place July 30th, 2014.

Mozambique also signed the contract to undertake PPG (Project Preparation Grant) on open burning to collect baseline information in preparation to develop the project document in open burning. UNIDO will make available to Mozambique a sum of \$6,500 to undertake this activity.

The funds for undertaking the exercise of updating the NIP have been received by Mozambique. The country is now preparing the ground work to undertake this activity. The inception workshop for this activity (NIP update) is scheduled to take place in August, 2014.

1.1.3 Swaziland

Swaziland signed the contract to disperse \$5,900 to start Activity 2.1.1 (Cleaner waste management) was signed between Swaziland Environment Authority (SEA) and UNIDO. Sixty stakeholders were identified to participate in the workshop. The planning to conduct the workshop will be finalized following receipt of the funds.

A contract between SEA and UNIDO was signed to undertake the activity of NIP update in March 2013. The Inception Workshop was held in June 2013. In November 2013 National consultants were engaged to start data collection and prepare inventories. A national workshop was held on 21 March 2014 to validate the inventories in the presence of an

international consultant. Challenges in update the NIP includes: Delays by UNIDO in finding and appointing International Consultants; Delays in the supply for the Handheld XRF Analyzer for PBDEs and PFOS; and Delays in the supply of the electrode & reagents for the L2000 to analyse PCBs.

Future activities for Swaziland includes: Organize national awareness raising workshops on cleaner waste management with the aim to promote business and job opportunities in the field of waste management; and collect baseline information to facilitate PPG preparation for Open Burning Project .

1.1.4 Tanzania

The contract to disperse \$5,900 to start Activity 2.1.1 (cleaner waste management) was signed between The Vice-President's Office- Division of Environment- Tanzania and UNIDO. Twenty seven stakeholders were identified and informed of their participation in the workshop. Twenty seven participants will take part in the workshop which includes: Waste management and chemicals experts from Sector Ministries, City Council, Ilala, Temeke and Kinondoni Municipalities. The workshop will be conducted in August, 2014.

Inception and training workshop on NIP update was held in 11-14 February 2014 at Blue Pearl Hotel, Dar es Salaam. Inventory of new and old POPs is due to take place in August 2014. Challenges in the NIP update exercise includes: Delays in fund disbursement, and; inadequate funds available for NIP updating.

1.2 UNIDO Presentations

1.2.1 Progress Report on Regional Activities for both COMESA and SADC sub-regions for the period of January to June, 2014

Nouri Abdalla, Regional Coordinator for SADC sub-region, presented a progress report on UNIDO's component of activities undertaken at the regional level for both COMESA and SADC sub-regions for the period covering January to June, 2014.

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

Activity 1.3.1: Carry out Pilot demonstration of BAT/BEP in textile Dyeing and finishing-Ethiopia- April, 2013 to April, 2014:-

- Feasibility study of Phase 1 at Kombelcha Textile Factory has been completed by the Textile Industry Development Institute;
- Validation of the feasibility study by mobilizing international consultants and holding a validation workshop is now underway;

Activity 1.3.2: Carry out pilot demonstration of BAT/BEP in Leather Dyeing and finishing- Sudan- January-December, 2014:-

- Based on the information obtained from the COMESA and SADC countries of the leather sector and the agreed criteria, Al amatong (Khartoum Tannery) was selected to host the pilot demonstration of BAT/BEP in Leather Dyeing and finishing;
- UNIDO Fact-Finding Mission to Sudan was undertaken on May 3-10, 2014 to select an institution which could conduct the feasibility study (phase 1) of the pilot project;
- Sudan Leather Technology Centre was then chosen by the stakeholders (in Sudan) to conduct the feasibility study;
- The pilot study (Phase 2) will be hosted by Al amatong tannery in Khartoum;
- A draft Sub-contract for Phase 1 is due to be signed between the Sudan Leather Technology Centre and UNIDO.

Outcome 3: Identification and assessment of Contaminated Land/sites

Activity 3.1.4: Undertake pilot demonstration project to verify the effectiveness of the low cost remediation technology and validate contaminated site identification methodology; Tanzania- January to December, 2014:-

- The Pilot Project will be hosted by Plant Protection Office (PPO) Site- Tengeru, Arusha Region, Tanzania
- Training Workshop for Tanzanian nationals on Investigation and Management of contaminated sites- held in Tengeru, Arusha Region, Tanzania on May 13-15, 2014;
- Ten Experts from Tanzania participated at the training workshop: The VP's Office, NEMC, MoAFSC, TPRI, GCLA, and Dar es Salaam City Council;
- Prof. Loretta Li, a UNIDO consultant and expert in Contaminated Sites trained the national experts;
- Dr. Ephraim Massawe, a visiting professor from Louisiana, USA made a presentation on nano-technology used for cleaning up of contaminated sites.

What is next?

- Conducting Preliminary Site Investigation- Stage 2 (PSI-S2), and Detailed Site Investigation (DSI) at PPO-Tengeru Site, Tengeru, Tanzania- beginning of August, 2014;
- Applying a remediation technology (Phytoremediation)- September-October, 2014.

Activity 3.2.2: Create data base and website within the COMESA and SADC Sub region, linked to UNIDO website, to share and disseminate data/information collected from contaminated sites and hot spots; June, 2014;

- An IT expert has been identified and he is expected to start creating the data base the end of this month.

Promotion of BAT and BEP to reduce uPOPs releases from waste open burning in participating African countries of SADC sub-region

- Project Objective: To achieve sustainable release reduction of uPOPs in the open burning sector through introduction of BAT/BEP measures at selected demonstration sites;
- Participating countries: Botswana, Lesotho, Madagascar, Mozambique, Swaziland, Tanzania and Zambia;
- The Inception Meeting was held in Lusaka, Zambia on May 27-28, 2014.

Outcome 4: Establishment of project Management structure and project M&E Mechanism

- *Activity 4.2.2: Measure impact indicators on an annual basis; Africa Institute- Report was prepared for 2013;*
- *3rd Project Steering Committee (PSC) Meeting, Durban, South Africa; January, 2014;*
- *Activity 4.2.4: Hold annual HIMCG- TBD- North Africa?;*
- *Activity 4.2.5: Hold annual tripartite review meeting- PCB Meeting; 3-7 November, 2014;*
- *Activity 4.2.6: Carry out mid-term external evaluation- January, 2014*
- *Activity 4.2.9: Establish a project management information system (MIS), including project website to disseminate information to stakeholders; June, 201*

1.2.2 Progress report at the national level for COMESA and SADC sub-regions for the period of January to June, 2014

Tequam Tesfamariam, Regional Coordinator for COMESA sub-region, presented a progress report on UNIDO's component of activities undertaken at the national/country level for both COMESA and SADC sub-regions for the period covering January to June, 2014.

Activity 2.1.1: Organize national awareness raising workshops on cleaner waste management with the aim to promote business and job opportunities in the field of waste management- Planned for July, 2014;

The following countries have successfully conducted Activity 2.1.1: Sudan, Burundi, Uganda, and Rwanda. The countries that are yet to conduct Activity 2.1.1 includes: Ethiopia, Lesotho, Mozambique, Swaziland, Tanzania, and DRC.

Activity 2.2.2: Review of the existing data and conduct national inventory of the existing bio-pesticide formulation- Planned for March 2014;

This activity was planned to be conducted in July 2014 but now rescheduled to be implemented between August and December 2014.

Challenges to implement national activities in COMESA and SADC sub-region

Some countries are reluctant to submit detailed workshop plan and budget in time to conduct proposed workshop; The POP focal points considered activities of this project as an ad hoc and their response to our requests were very slow and sometimes no response; Countries are hesitant to meet their obligations with regard to co-financing of implementation of project activities at the country level; Some POPs focal points are not submitting the national level project progress reports in a regular basis; Mobilizing international consultant according to our project work plan is difficult and this to some extent has resulted in the delay of project implementation.

1.2.3 Status of budget/expenditure for COMESA and SADC sub-regions- January to June, 2014

Erlinda Galvan, the project manager of the LDCs project, presented the status of the budget/expenditure on UNIDO's component of activities undertaken at the regional and national level for both COMESA and SADC sub-regions for the period covering January to June, 2014.

TOTAL PROJECT BUDGET

COMESA: US\$ 2.5 m SADC: US\$ 1.5 m

**TOTAL EXPENDITURES
(as of 30 June 2014)**

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL (USD)	Total available (USD)
COMESA	392,443	282,562	134,795	809,800	1,690,200
SADC	228,268	221,637	114,551	564,456	935,544

Approved BUDGET for 2014

COMESA: US\$ 682,400

SADC: US\$ 532,200

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

Activity 1.3.1: Pilot demo of BAT/BEP in textile dyeing and finishing (Ethiopia: April 2013 for 12 months)- (Validation workshop will take place to disseminate results – April 2014)

Activity 1.3.2: Pilot demo of BAT/BEP in leather dyeing and finishing (January to December 2014)- (Validation workshop will take place to disseminate results – December 2014)

COMESA: US\$ 249,500

SADC: US\$ 196,500

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
1.3.1: Pilot demo of BAT/BEP in textile dyeing and finishing	April 2013 to April 2014 (Ethiopia)	Travel	7,000	4,000
		Subcontract	50,000	50,000
		Training/Workshop	10,000	10,000
		TOTAL	67,000	64,000
1.3.2: Pilot demo of BAT/BEP in leather dyeing and finishing	January to December 2014 (Sudan)	Int. consultant	6,500	6,500
		Nat. consultant	6,000	6,000
		Travel	10,000	10,000
		Subcontract	150,000	100,000
		Training/Workshop	10,000	10,000
		TOTAL	182,500	132,500

Outcome 2: Reduction of exposure to POPs

Activity 2.1.1: National awareness raising workshop on cleaner waste management (National activity)- (February – March 2014)

Activity 2.2.1: Organize in cooperation with FAO/RENAP/MOA national training workshop for market gardeners on integrated waste management (May – June 2014)

Activity 2.2.2: Review existing data and conduct national inventory of existing bio-pesticides formulations- (July 2014)

COMESA: US\$ 141,000

SADC: US\$ 116,000

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
2.1.1: National awareness raising workshop on cleaner waste management	February – March 2014	Travel Nat. consultant Subcontract TOTAL	7,000 5,000 35,000 47,000	4,000 4,000 28,000 36,000
2.1.2: Organize in cooperation with FAO/RENAPAP/MOA national training workshop for market gardeners on integrated waste management	May – June 2014	Int. consultant Travel Workshop/training TOTAL	9,000 24,000 35,000 68,000	6,000 20,000 30,000 56,000
2.2.2: Review existing data and conduct national inventory of existing bio-pesticides formulations	July 2014	Int. consultant Nat. consultant Workshop/training TOTAL	6,000 10,000 10,000 26,000	6,000 8,000 10,000 24,000

Outcome 3: Identification and assessment of Contaminated Land/sites

Activity 3.1.3: Conduct study to identify environmentally sound remediation technologies for contaminated sites (June – November 2014)

Activity 3.1.4: Pilot demo project to verify effectiveness of low cost remediation technology and validate site identification methodology (January to December 2014)- (Validation Workshop and dissemination of the pilot demo project findings on the cleanup and remediation of contaminated sites – December 2014)

COMESA: US\$ 193,000

SADC: US\$ 143,500

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
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3.1.3: Conduct study to identify environmentally sound remediation technologies for contaminated sites	June to November 2014	Int. consultant Travel Nat. consultant TOTAL	6,500 7,000 7,500 21,000	6,500 4,000 6,000 16,500
3.1.4: Pilot demo project to verify effectiveness of low cost remediation technology and validate site identification methodology	January to December 2014	Int. consultant Travel Subcontract Training/Workshop TOTAL	11,000 14,000 135,000 10,000 170,000	11,000 14,000 90,000 10,000 125,000
3.2.2 Create database / website within COMESA / SADC sub-region, linked to UNIDO website, for sharing /dissemination of data / information collected from contaminated sites and hot spots (shared activity with UNEP)	June 2014	Nat. consultant TOTAL	2,000 2,000	2,000 2,000

Outcome 4: Establishment of Proj. Management structure and M&E Mechanism

Activity 4.2.2: Measure impact indicators on an annual basis (Dec 2014)

Activity 4.2.3: Prepare quarterly and annual project progress reports at the national, sub-regional level (October 2014)

Activity 4.2.4: Hold annual HIMCG, PSC meeting, etc. (January 2014)

Activity 4.2.5: Hold annual PCB meeting (November 2014)

Activity 4.2.6: Carry out mid-term evaluation (January 2014)

Activity 4.2.9: Establish project management information system including project website

(June 2014)

COMESA: US\$ 98,900

SADC: US\$ 76,200

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
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4.2.2: Measure impact indicators on an annual basis	December 2014 (Africa Institute)	Subcontract TOTAL	5,000 5,000	5,000 5,000
4.2.3: Prepare progress reports, PIRs, etc	October 2014	Int. consultant TOTAL	7,000 7,000	8,000 8,000
4,2,4 Hold annual HIMCG, PSC meetings	27-30 January 2014 (Durban)	Int. consultant Travel Workshop/meeting TOTAL	7,000 4,700 18,500 30,200	8,000 3,200 10,800 22,000
4.2.5: Hold annual PCB meeting	3-7 November 2014 (Seychelles)	Int. consultant Travel Workshop/meeting TOTAL	7,000 7,000 20,000 34,000	8,000 5,000 15,000 28,000
4.2.6: Carry out mid-term evaluation	January 2014	Int. consultant Travel TOTAL	15,000 5,700 20,700	6,000 5,200 11,200
4.2.9: Establish MIS including project website	June 2014	Nat. consultant TOTAL	2,000 2,000	2,000 2,000

1.2.4 Revised budget for COMESA and SADC sub-regions for July-December, 2014

REVISED BUDGET for 2014

COMESA: US\$ 699,500

SADC: US\$ 569,200

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

Activity 1.3.1: Pilot demo of BAT/BEP in textile dyeing and finishing (Ethiopia: April 2013 for 12 months) (Validation workshop will take place to disseminate results – October 2014)

Activity 1.3.2: Pilot demo of BAT/BEP in leather dyeing and finishing (Sudan: May 2014 to April 2015) (Validation workshop will take place to disseminate results –May 2014)

COMESA: US\$ 339,500

SADC: US\$ 202,000

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
1.3.1: Pilot demo of BAT/BEP in textile dyeing and finishing	April 2013 to October 2014 (Ethiopia)	Travel Subcontract Training/Workshop TOTAL	7,000 55,000 20,000 82,000	4,000 55,000 20,000 79,000
1.3.2: Pilot demo of BAT/BEP in leather dyeing and finishing	May 2014 to April 2015 (Sudan)	Int. consultant Nat. consultant Travel Subcontract Training/Workshop Equipment TOTAL	6,500 6,000 10,000 40,000 20,000 175,000 257,500	20,000 6,000 10,000 40,000 20,000 27,000 123,000

Outcome 2: Reduction of exposure to POPs

Activity 2.1.1: National awareness raising workshop on cleaner waste management (National activity) (May - August 2014)

Activity 2.2.1: Organize in cooperation with FAO/RENAP/MOA national training workshop for market gardeners on integrated waste management (National activity) (August - September 2014)

Activity 2.2.2: Review existing data and conduct national inventory of existing bio-pesticides formulations (August - September 2014)

Activity 2.3.1: Identify the informal collection system of PCBs and used oil and perform environmental audits to determine the need for enhancing collection and channeling the PCBs streams on an ESM manner in line with GEF/UNEP pilot project (September - November 2014)

Activity 2.3.2: Conduct a survey on existing concepts for plastic waste management incl. the reuse of plastic bags as raw material for various articles (September - November 2014)

Activity 2.3.5: Investigate the current informal paper and e-waste management and the management of other halogenated solid and liquid waste (September - November 2014)

COMESA: US\$ 150,000

SADC: US\$ 108,100

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
2.1.1: National awareness raising workshop on cleaner waste management	May to August 2014	Travel Subcontract TOTAL	2,500 42,000 44,500	1,100 28,000 29,100
2.2.1: Organize in cooperation with FAO/RENAP/MOA national training workshop for market gardeners on integrated waste management	August to September 2014	Int. consultant Travel Subcontract Workshop TOTAL	8,000 2,500 30,000 17,000 57,500	8,000 4,000 20,000 15,000 47,000
2.2.2: Review existing data and conduct national inventory of existing bio-pesticides formulations	August to December 2014	Subcontract TOTAL	12,000 12,000	8,000 8,000
2.3.1: Identify the informal collection system of PCBs and used oil...PCBs streams on an ESM manner	August to December 2014	Subcontract TOTAL	12,000 12,000	8,000 8,000
2.3.2: Conduct a survey on existing concepts of plastic waste management	August to December 2014	Subcontract TOTAL	12,000 12,000	8,000 8,000
2.3.5: Investigate current informal paper and e-waste management	August to December 2014	Subcontract TOTAL	12,000 12,000	8,000 8,000

Outcome 3: Identification and assessment of Contaminated Land / sites

Activity 3.1.3: Conduct study to identify environmentally sound remediation technologies for contaminated sites

(June - November 2014)

Activity 3.1.4: Pilot demo project to verify effectiveness of low cost remediation technology and validate site identification methodology (January to December 2014) (Validation

Workshop and dissemination of the pilot demo project findings on the cleanup and remediation of contaminated sites – December 2014)

Activity 3.1.3: Create database /website within COMESA / SADC sub-region, linked to UNIDO website, for sharing/ dissemination of data / information collected from contaminated sites and hot spots (shared activity with UNEP) (July - December 2014)

COMESA: US\$ 111,000

SADC: US\$ 182,500

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
3.1.3: Conduct study to identify environmentally sound remediation technologies for contaminated sites	June to November 2014	Int. consultant Travel Nat. consultant TOTAL	6,500 7,000 7,500 21,000	6,500 4,000 6,000 16,500
3.1.4: Pilot demo project to verify effectiveness of low cost remediation technology and validate site identification methodology	January to December 2014	Int. consultant Travel Subcontract Training/Workshop Equipment TOTAL	15,000 16,000 30,000 27,000 88,000	15,000 20,000 30,000 31,000 63,000 159,000
3.2.2 Create database / website within COMESA / SADC sub-region, linked to UNIDO website, for sharing /dissemination of data / information collected from contaminated sites and hot spots (shared activity with UNEP)	July to December 2014	Nat. consultant TOTAL	2,000 2,000	2,000 7,000

Outcome 4: Establishment of Proj. Management structure and M&E Mechanism

Activity 4.2.2: Measure impact indicators on an annual basis (Dec 2014)

Activity 4.2.3: Prepare quarterly and annual project progress reports at the national, sub-regional level **(October 2014)**

Activity 4.2.4: Hold annual HIMCG, PSC meeting, etc. **(January /July2014)**

Activity 4.2.5: Hold annual PCB meeting **(November 2014)**

Activity 4.2.6: Carry out mid-term evaluation **(July 2014)**

Activity 4.2.9: Establish project management information system including project website **(July 2014)**

COMESA: US\$ 99,000

SADC: US\$ 77,200

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
4.2.2: Measure impact indicators on an annual basis	December 2014 (Africa Institute)	Subcontract TOTAL	5,000 5,000	5,000 5,000
4.2.3: Prepare progress reports, PIRs, etc	October 2014	Int. consultant TOTAL	7,000 7,000	8,000 8,000
4,2,4 Hold annual HIMCG, PSC meetings	January/July 2014 (Durban)	Travel Workshop/meeting TOTAL	6,000 25,000 31,000	3,200 25,000 28,200
4.2.5: Hold annual PCB meeting	3-7 November 2014 (Seychelles)	Int. consultant Travel Workshop/meeting TOTAL	7,000 7,000 20,000 34,000	8,000 5,000 15,000 28,000
4.2.6: Carry out mid-term evaluation	July 2014	Int. consultant Travel TOTAL	5,100 14,900 20,000	4,200 1,800 6,000
4.2.9: Establish MIS including project website	July 2014	Nat. consultant TOTAL	2,000 2,000	2,000 2,000

1.3 Recommendations

Some of the recommendations that were made at the end of the meeting are as follows:

- With the exception of Lesotho, all other countries would like to lump the funds of more than one activity in one contract for the remainder of the year (July-December, 2014), rather than signing individual contracts per each activity;
- It was also agreed to arrange and hold the High Level Intra-Ministerial Coordination Group (HLICG) Meeting during the next AMCEN Meeting which is scheduled to take place September 8-10, 2014 in Egypt. A request was made by the participants to contact professor Barry of UNEP and the coordinators shall follow up this matter and update the POPs focal point on the progress;
- In the meeting the dual membership of DRC in both COMESA and SADC was discussed and it was agreed (with the consent of the DRC representative for RDC) to continue its participation in the project as part of the COMESA and to report to the UNIDO and UNIDO COMESA Coordinator;
- At the country level it was agreed to implement the following activities during the remaining part of the year (July to December 2014);
 - Organize (in Cooperation with FAO /REMPAP and FAO) national training workshop for market gardeners on integrated pest management in crop protection and post-harvest losses with particular focus on the use of bio-botanical pesticide (activity 2.2.1). Activity 2.2.1 above is planned to be implemented in coordination with FAO and any agreement to be reached between UNIDO and FAO on the implementation modality of this activity will then be communicated to all POPs focal points by Dr. Mohamed Eisa at a later stage;
 - Review existing data and conduct national inventory of existing bio-botanical pesticide formulations (activity 2.2.2);
 - Identify informal collection system of PCBs waste and perform environmental audits to determine the need for enhancing collection and channeling the PCB waste streams on an ESM manner in line with GEF/UNDP pilot Project in the sub region (activity 2.3.1);
 - Conduct survey on existing concept of plastic waste management including reuse of waste plastic bags as a raw material for various articles ((activity 2.3 2)
- The budget allocated by UNIDO for each of the aforesaid project activity is \$2,000 USD. Most countries said this amount is too small. Swaziland in fact went to the extent of proposing to UNIDO to allocate a minimum of 10,000 USD for each activity. In response to Swaziland's proposal, UNIDO said that this budget is allocated according to the budget estimate as indicated in the project document and that it is not possible to further raise the allocated budget;
- In the Meeting the issue of Co –finance by countries was raised as a burning issue that will need urgent reply by countries. Since the project is in its mid-term stage, countries are expected to report on co-financing to the GEF to see if countries have fulfilled the commitments they have made prior to launching the project. Countries agreed to report on co-financing but request common template to be provided to them if there is any. Responding to their request, UNIDO indicated that there is no

common template for reporting co-financing and advised to use their own format to report co-financing to GEF;

- In the meeting the issue of synergy was raised by UNEP and it was agreed by UNIDO and UNEP to identify project activities that can be jointly implemented by creating synergy between the two institutions to better optimize the use the resources;
- Countries requested UNEP to respond to the countries specific needs. UNEP in response to countries response promised to to explore all possible options to meet their request in the future.

2. Phase-2 of Pilot Demonstration Project on cleaning-up of Contaminated Sites- PPO-Tengeru Site; Tengeru, Tanzania; July 31-August 20, 2014



Introduction

Following the Regional Training workshop on Assessment and Remediation of Contaminated Sites which was held in Addis Ababa, Ethiopia during the period of August 6-8, 2012, a questionnaire was sent out to all COMESA and SADC countries to be filled out to help selecting a country to host a pilot demonstration project for remediation of contaminated sites using phytoremediation technology. Six countries from both COMESA and SADC sub-regions submitted a filled out questionnaire. Based on the answers submitted by the six countries, Sudan and Tanzania emerged as the most suitable countries to host the aforementioned pilot project, with Tanzania having a slight edge over Sudan, as Tanzania seems to have experts in the area of phytoremediation, which is a great asset to have for the implementation of the pilot project.

UNIDO then decided to conduct the pilot demonstration project on remediation of contaminated site in Tanzania. Two sites were selected in Tanzania by the VP's Office-Division of Environment as potential sites to host the pilot demonstration project. These

two sites are: PPO- Tengeru Site which is suspected to have been contaminated with Hexachlorocyclohexane (HCH) and Gamma HCH “Lindane”, and NHC- Morogoro Site which is suspected to have been contaminated with DDT.

In December, 2013, a UNIDO team accompanied by representatives from the VP’s Office-Division of Environment visited the two sites. After the conclusion of the visits to the two sites, UNIDO selected PPO- Tengeru Site to host the pilot demonstration project on cleaning up of contaminated sites.

After holding the training workshop on contaminated sites investigation and remediation for experts from Tanzania in Tengeru, Tanzania at Lake Duluti Serena Hotel, Tengeru during the period of May 13-15, 2014, Phase-2 of the Pilot Demo Project at PPO-Tengeru site was held during the period of July 30 to August 20, 2014. Phase-2 of the pilot project includes Preliminary Site Investigation-Stage- PSI-S2 (surface sampling) and Detailed Site Investigation (DSI) of the site.

Objective and Expected Outcomes of Phase-2

The principal objective of Phase-2 was to train the national experts who participated in the training workshop which held in May, 2014 (*see Annex No. 3 for List of Participants*) on the practical aspects of investigation and management of contaminated sites. Such training includes how to conduct PSI-S2 and DSI so as to determine the extent of the contamination of the site and recommend the appropriate or suitable remediation technologies to be applied.

2.1 Proceedings of Phase-2

2.1.1 Clearing the Site & Conducting Site Survey- July 31-August 2, 2014

The PPO-Tengeru contaminated site was used as a parking area for old and obsolete vehicles and trucks which belong to the Ministry of Agriculture, PPO-Tengeru and Livestock Training Institute. All vehicles and other objects were needed to be removed to clear and prepare the site for Phase-2 of the pilot demo project. A tractor from the Ministry of Agriculture was brought to the site to help with the clearing of the site. All old vehicles and other objects were removed from the site that day (July 31, 2014).



Clearing the site using a tractor



The site cleared from all vehicles- July 31, 2014

The site survey using survey equipment was conducted on August 1 and 2, 2014. Survey equipment used were: Survey measuring tapes (KESON® 1/2"W Freewheeling Fiberglass Tape Measures; GPS/GNSS systems; Picks/pins, Level (hand level, e.g. CST/Berger® Topographic Abney Level) and Leveling rod. The purpose of conducting such site survey was to learn more about the different elevations of the site, and subsequently determine the direction of the flow of the surface and/or the ground water.

Gridlines were drawn based on the main Office Building at PPO-Tengeru and the Store House up to the New Storage Building. According to the PSI-S1, which was conducted in June, 2014 by the Project Technical Assistant (PTA), the hotspot of contaminated sites is located a short distance from the Old Storage Building and the main Office Building. Coordinates for specific points in the sites were selected based on PSI-S1 and the land survey conducted on August 1 and 2, 2014.



Site survey using topographic Abney level

2.1.2 Preliminary Site Investigation- Stage 2 (PSI-S2) - August 4-5, 2014

On August 4-5, 2014, surface sampling using a hand auger was taken from twenty nine points in the site for chemical and physical properties analysis. The maximum depth used to collect the surface sampling was 20cm. Additionally, four surface samples were taken from the maize field which is adjacent to the contaminated site as well as two more samples were taken for chemical analysis from downstream spring water which is about 1.5km from PPO site. The Tropical Pesticides Research Institute (TPRI)- UNIDO contractor, of Arusha helped in collecting the surface samples. Fourteen (14) samples out of the twenty nine samples taken during the PSI-S2 were sent to TPRI's laboratory for analysis. Soil sample for physical properties' analysis were to be analysed by the Project Technical Assistant at a later date to determine the geotechnical property of the soil in the contaminated area.



The Crew of Phase-2 Pilot project on contaminated sites



Surface sampling- PSI-S2



Surface sampling from the Maize field adjacent to the contaminated site

2.1.3 A visit to NHC-Morogoro Site- August 8, 2014

On August 7, 2014, Professor Loretta Li, Mr. Issaria Mangalili (national coordinator), and Mr. Nouri Abdalla, UNIDO Regional Coordinator for SADC sub-region, have travelled to Dar es Salaam. On August 8th, the three travelled by road to Morogoro town which is about 194km west of Dar es Salaam. The team spent August 8th surveying the NHC-Morogoro site, and conducting interviews with some local residents who live nearby the site. The NHC-Morogoro site is now rented out to a security company and the latter used part of the land and built dog kennels, and the kennels now house some dogs. The team then returned back to Arusha on August 9th.

While in Morogoro, the UNIDO team also met with Professor Ernest Semu of Skoine University of Agriculture (SUA). Prof. Semu indicated the need for UNIDO to sign a memorandum of understanding with SUA with regard to the implementation of the project and the involvement of the Project Technical Assistant (PTA), Ms. Mary Leina, in the project activities. The PTA has been enrolled for MSc Degree in Soil Science and Land Management. As part of MSc degree, Ms. Leina will use the work done at PPO-Tengeru Site and NHC-Morogoro Site for her research paper during her MSc program. Prof. Semu agreed to submit to UNIDO the standard postgraduate fees structure for SUA which includes research costs, tuition fees, accommodation costs, and recommended stipend allowances to cover essential and basic personal expenses.

2.1.4 Detailed Site Investigation (DSI)- August 12-15, 2014

On August 12-15, 2014, a detailed site investigation was conducted at the PPO-Tengeru site. With the help of Water Solutions Drilling Company- UNIDO Contractor, eight (8) boreholes were dug at different locations in the site with special emphasis on the heavily contaminated area. The whole DSI process entailed drilling of eight boreholes and profile soil sample at interval of 50cm for each borehole was taken for chemical and physical properties analysis. Two boreholes were dug to a depth of seven (7) meters each and they were located about a half meter from the Old Storage Building, while the other six were dug to three (3) meters deep each. During the drilling for all boreholes, a sample was taken at every half a meter (50cm) level using air extraction. The samples were collected in amber bottles provided by TPRI and those samples were taken to TPRI's laboratory. In addition to samples collected in amber bottles for laboratory analysis, samples were also simultaneously collected in zip-lock bags (at each 50cm depth) to conduct soil particles analysis. Of the samples collected in amber bottles and sent to TPRI's laboratory, twelve samples were then analysed by the latter.



Profile core sampling- DSI

2.1.5 Pilot Project Team (PPT) meeting- August 15 & August 17, 2014

The PPT conducted a meeting on August 15th and August 17th, 2014 to assess the PSI-S2 and DSI processes. A list of tasks were then given by Professor Loretta Li to other members of the PPT, namely, Nouri Abdalla, UNIDO Regional Coordinator for SADC sub-region, Issaria Mangalili, National Project Coordinator, and Mary Dominick Leina, the Project Technical Assistant. *See Annex No 1. List of tasks for the members of the PPT*

2.2 General Observations

- The manual drilling using hand auger to obtain top soil sample (20 cm in depth) was quite tedious and time consuming due to soil compaction;
- The first three holes for top soil samples (PSI-S2) revealed the existence of thin plastic layer which was put by the Ministry of Agriculture staff a few years ago in an attempt to cover the emission of lindane (Gamma-Hexachlorocyclohexane) from the

soil and hence control the bad smell. This effort was not meant for remediation but rather reducing the bad smell;

- During drilling of the boreholes (DSI) it was discovered that the hard rock aquifer was at a depth of seven meters. This means that the loamy/volcanic soil layer, ends somewhere before seven meters and lindane could only be absorbed within this layer;
- It was discovered that, very few water drilling companies in the country exist which are able to perform geotechnical and environmental analysis. One positive note about Water Solution Drilling Company was that, it was able to provide continuous core sampling using air which was sufficient;
- The local laboratory (TPRI) selected to perform the sampling analysis on the samples collected during the PSI-S2 and DSI processes seemed to be a bit overwhelmed with the large number of samples needed to be analyzed in a short period of time. This caused repeated delays in providing the results according to the timeline agreed upon between the laboratory and UNIDO;
- The visit to NHC-Morogoro site has revealed that the site still poses a health risk to humans and environment. Empty bottles suspected to be the remnants from the previous DDT formulation plant are still found scattered in and around the site. The buildings which used for formulation and storage of DDT are still intact, but abandoned, however. Furthermore, the front side of the main building has been renovated recently and it is now rented out to a security company called Quick Security Company which uses the front offices as its headquarters. In the main area of the contaminated area, the security company built kennels for dogs and now these kennels are housing dogs of different breeds. It was also noticed that, some of the locals bring their animals (sheep and goats) to graze in the area of the site which is suspected to be heavily contaminated.

2.3 Conclusion and Recommendations

Phase-2 of the pilot demonstration project on cleaning up of contaminated sites at PPO-Tengeru site has been successfully concluded. Despite of all the challenges that faced the team that is working on the pilot project, all activities of Phase-2 were carried out as planned. The laboratory sample analysis has taken a bit longer than expected, however. The work of Water Solutions Drilling Company was quite satisfactory. The preliminary results of the samples analysis revealed that the area is contaminated and it needs to be remediated. The selection of a suitable remediation technology is dependent on final samples analysis taken during the DSI process and the cost of such technology.

Moreover, it has been recommended by the PPT that, the National Environmental Management Council (NEMC) and the Vice-President's Office (VP's Office) shall consider launching an awareness raising campaigns about the health risks associated with contaminated sites around the country. The PPO-Tengeru site could serve as a model out of which other contaminated sites in the country could be dealt with in the same manner with a special reference to be made to NHC-Morogoro site, where the National Housing

Corporation rented out the site to a security company without consulting with either NEMC or VP's Office.

Based on the findings of the laboratory samples analysis, and the amount of planning required thereafter, it is expected that the remediation process (Phase-3) of PPO-Tengeru site will take place in April, 2015. One of the technologies thought out by the lead scientist of the pilot project (Prof. Loretta Li) is phytoremediation. Very little information is available in the country, however, on the experience on utilizing of plants for phytoremediation of POPs contaminated sites. A few years ago, the University of Dar es Salaam in collaboration with NEMC has done some research on application of Vetiver grass (*Chrosopogon Zizanioides*). The research/study was done along the Msimbazi River at the old Vingunguti dumping site in Dar es Salaam. The study showed that Vetiver was found to be a fast growing grass with high yield, and can adapt to different types of soil and environment and has the ability to uptake and promote biodegradation of organic wastes.

2.4 Follow-up Activities of Phase-2 of the Tengeru Pilot Demonstration

As a follow-up to issues related to Phase-2 of the pilot demo project, Nouri Abdala, the Regional Coordinator for SADC sub-region, traveled back to Tengeru and held meetings with representatives from TPRI, Mary Leina and Mr. Juma Mwinyimkuu from PPO-Tengeru, and Mr. Vincent Shirima, Managing Director of Water Solutions Drilling Company on October 10-11, 2014.

2.4.1 Meeting with Representatives of Tropical Pesticides Research Institute (TPRI)

At TPRI, I met with Dr. Lekei, Head of Pesticides and Environment Centre and Acting DG of TPRI (he is the same person who sent TPRI's report the same day I arrived to Arusha "Thursday"), also in attendance at the meeting was Mr. Joseph Bukalasa, a Research Scientist, and Mr. Joseph Malulu, Chief Technician at TPRI lab. I discussed with them a list of issues that were sent to me by Prof. Li to be raised with TPRI regarding the report the latter sent on Thursday October 10, 2014. These issues include: lack of details, QA/QC, control blanks, comparisons to intentional standards, detection limits of equipment, samples "spiked samples" which were sent to TPRI's lab by Mary Leina (the PTA), etc. Dr. Lekei indicated that the lead researcher who is supposed to finalize the report (they sent) and who is name is Dr. Bakari was on leave. That is why the report they have sent was a zero draft report. All the issues I raised had been marked down by the three officers and they promised to include them all in their final report which will be worked on by Dr. Bakari when he returns to Arusha this week (the week of October 13th). As for the extra samples sent by Mary (spiked samples), I found out right then that the results were ready and so was the analysis, but Malulu would need to enter the results of the analysis into an excel sheet before sending them to Prof. Li. I requested them, however, to send us the concentrations and then the rest of the analysis could be sent later. Bukalasa sent to UNIDO the concentrations of Mary's samples on Friday October 10th. I shall follow up with

Malulu and have him to finish the analysis of Mary's samples this week and send them to Prof. Li.

2.4.2 Meeting with Mary Dominick Leina (the PTA)

I had a long meeting with Mary, the Project Technical Assistant, and we discussed the list of items that were sent to me by Prof. Li regarding PSI-S1 and PSI-S2 reports. She (Mary) was aware of these items as she had received them from Prof. Li before. She told me that she had already worked on these items and she revised/tuned up both reports based on these items and I asked her to send the newly revised reports to Prof. Li after checking with Mangalili, the National Project Coordinator (NPC). I will follow up with her and Mangalili to finalize the revised reports and have them be sent to Prof. Li. We then discussed the remaining tasks (as per the list of tasks drawn by Prof. Li in Arusha) and she will continue to respond to them. I will also follow up with her to make sure that she sends the tasks Prof. Li has given her regarding the results of the spiked samples. Furthermore, I will follow up with both Mary and Mangalili to work on the checklists for PSI-S1, PSI-S2 and DSI which were sent by Prof. Li.

2.4.3 Meeting with Juma Mwinyimkuu, Zonal Coordinator for PPO-Tengeru

As for my meeting with Mr. Juma Mwinyimkuu, Zonal Coordinator for PPO-Tengeru, regarding the removal of the fuel storage room which resides in the middle of the contaminate area, Mr. Juma told me that his director agreed to remove the fuel storage room. But the problem was, there was no budget allocated (from this year's budget) to handle such an exercise. We also discussed the possibility of relocating of the fuel barrels/containers (which are stored in the storage room) to the workshop room at the front of the building, but he told me that the person who is in charge of the fuel storage room is different from the person who is in charge of the workshop room and things could get mixed up there. Then I asked him (Mr. Juma) to find out for me the cost of relocating the fuel storage room further down to be placed near the new chemicals/pesticides storage room (and far away from the contaminated area). He promised to do so, as we agreed that the same material from the fuel storage room will be used for relocation, i.e. the cost will be the dismantlement of the current room and relocating it using the same material.

2.4.4 Meeting with Vincent Shirima, MD of WSDC

I had a meeting with Mr. Shirima of WSDC and we discussed the documents he sent to UNIDO and his request for release of the final payment. I told him that, Prof. Li is currently reviewing his final report as she (Prof. Li) needs to approve it before the final payment could be released.

3. Validation Workshop to finalize the Project Document on Waste Open Burning Project; Gaborone, Botswana; November 25-26, 2014



Introduction

During the UNIDO team's meeting (in October, 2014) with Ms. Oarabile Serumola, Deputy Director (DD) of the Department of Waste Management and Pollution Control, Ministry of Environment, Wildlife, and Tourism, Government of Botswana in the presence of Mr. Moabi Mmowala, POPs Focal Point for Botswana, the DD agreed in principle to have UNIDO hold the validation workshop on waste open burning project in Gaborone, Botswana. The Validation Workshop to finalize the project document on waste of open burning project took place in Gaborone, Botswana during the period of November 25-26, 2014 at Cresta President Hotel.

Objective of the Workshop

The principal objective of the workshop is to finalize the Project Document of the Waste Open Burning project and submit it for internal approval within UNIDO and then to GEF early next year.

Participants of the workshop

Of the seven participating countries in the project, representatives from four countries only participated at the validation workshop. These countries include: Botswana, Mozambique, Swaziland and Zambia. Four more officers from the ministry of Environment, Government of Botswana were also present at the workshop. UNIDO was represented by five officers, and Africa Institute sent two officers to the workshop. *See Annex No. 4 for the list of participants of the workshop.* Furthermore, the first day of the workshop was attended and officially opened by the Permanent Secretary of the Ministry of Environment, Wildlife, and Tourism, Government of the Republic of Botswana and also present at the meeting was the Deputy Director of the Department of Waste Management and Pollution Control.

3.1 Proceedings of the workshop

During the two days deliberation of the validation workshop, the participants discussed, finalized and endorsed the text part of the project document and all annexes. These documents include:

- Section A: PART II: PROJECT JUSTIFICATION:
 - Review, and finalize baseline information;
 - Review and finalize any changes in alignment with the project design of the original PIF.
- Section B: PART II: PROJECT JUSTIFICATION
 - Review and finalize “B.1 Describe how the stakeholders will be engaged in project implementation”;
 - Review and finalize “B.2 Describe the socioeconomic benefits to be delivered by the Project at the national and local levels”.
- Review and finalize “The Project Logical Framework- Outcomes 1, 2, 3 & 4”;
- Review and finalize the project’s organogram, budget, activities’ timeline, etc.

Dr. Mohamed Eisa, UNIDO Representative and Regional Director, Pretoria, South Africa presented two presentations in day-1 and day-2. The two presentations titled: “Open Burning of Waste in Africa: Future Outlook of SADC sub-region” and the second presentation was: “Why so few biogas plants in South Africa”

Organizers of the workshop included: Africa Institute as UNIDO subcontracted it to the latter, and Ministry of Environment, Wildlife, and Tourism, Department of Waste Management and Pollution Control, Government of the Republic of Botswana.

4. The Joint UNIDO/UNEP 4th Project Coordination Body (PCB) Meeting for LDCs project for COMESA, ECOWAS and SADC sub-regions- Maputo, Mozambique; December 2-3, 2014



Objective of the meeting

Assess the status of implementation of the LDCs project in all Africa three sub-regions and take any corrective measures that are needed to ensure the implementation of the project is on track.

Expected outcome

Review progress reports for UNIDO and UNEP components for the LDCs project for year 2014, and agree on the workplan for both components for all three sub-regions.

Participants of the meeting

The participants of the workshop include: UNIDO (six officers), UNEP (one officer- Mr. Kevin Helps), WWF (two officers), Green Cross- Switzerland (one Officer), Basel Convention Centre- Dakar (one officer), Africa Institute (two officers), COMESA Secretariat (one officer), and ECOWAS Secretariat (two officers). *See Annex No 1 for List of participants of the 4th PCB meeting.*

4.1 UNIDO Component presented at the 4th PCB Meeting

In the first day, Dr. Mohamed Eisa, UNIDO Representative and Regional Director, Pretoria, South Africa officially opened the meeting. The participants introduced themselves and their roles. The objective of the PCB and the meeting were discussed among the participants. WWF presented UNEP Component's progress report for COMESA and SADC countries for year 2014 focusing on milestones and challenges that faced the implementation of project activities for year 2014. WWF's presentation was followed by a presentation from Green Cross on progress report on project activities for UNEP component for ECOWAS sub-region. UNIDO then presented its progress report on COMESA, SADC and ECOWAS sub-regions. A period of general discussion for both UNIDO and UNEP components has taken place between the presentations of each component. Kevin Helps of UNEP was concerned by the pace of implementation of UNDP component and criticized both agencies (WWF and Green Cross) for falling behind schedule as less than 25% of project activities have been completed for UNEP component in all three sub-regions.

In the final day, UNIDO presented its workplan for year 2015 for all three sub-regions with budgets. WWF and Green Cross presented UNEP's workplan for 2015 with budgets for COMESA and SADC, and ECOWAS respectively. Africa Institute in its capacity as a support agency and as a sub-contractor to perform M&E for both UNIDO and UNEP components for all three sub-regions presented the status of implementation of the LDCs project since the inception of the project in 2011.

4.1.1 COMESA and SADC sub-regions Presentations- UNIDO Component

4.1.1.1 *Regional Progress Report for 2014 for COMESA & SADC sub-regions*

Nouri Abdalla, Regional Coordinator for SADC sub-region, presented a progress report on UNIDO's component of activities undertaken at the regional level for both COMESA and SADC sub-regions for the period covering July to December, 2014.

Outcome 1: Introduction of BAT/BEP in Industrial production processes mentioned in Annex C of Article 5 of the SC Convention;

Outcome 2: Reduction of exposure to POPs at Workplace and from waste;

Outcome 3: Identification and Assessment of Contaminated Sites.

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

Activity 1.3.1: Carry out Pilot demonstration of BAT/BEP in textile Dyeing and finishing-Ethiopia- April, 2013 to April, 2014:-

- Feasibility study of Phase 1 at Kombelcha Textile Factory has been completed by the Textile Industry Development Institute (TIDI);
- Validation of the feasibility study by mobilizing international consultants has been completed; and holding a validation workshop is next step;

Activity 1.3.2: Carry out pilot demonstration of BAT/BEP in Leather Dyeing and finishing-Sudan- January-December, 2014:-

- Based on the information obtained from the COMESA and SADC countries of the leather sector and the agreed criteria, Al amatong (Khartoum Tannery) was selected to host the pilot demonstration of BAT/BEP in Leather Dyeing and finishing;
- UNIDO Fact-Finding Mission to Sudan was undertaken on May 3-10, 2014 to select an institution which could conduct the feasibility study (phase 1) of the pilot project;
- Sudan Leather Technology Centre was then chosen by the stakeholders (in Sudan) to conduct the feasibility study;
- UNIDO Fact-Finding Mission to Sudan was undertaken on May 3-10, 2014 to select an institution which could conduct the feasibility study (phase 1) of the pilot project;
- Sudan Leather Technology Centre was then chosen by the stakeholders (in Sudan) to conduct the feasibility study;

Outcome 3: Identification and assessment of Contaminated Land/sites

Activity 3.1.4: Undertake pilot demonstration project to verify the effectiveness of the low cost remediation technology and validate contaminated site identification methodology; Tanzania- January to December, 2014:-

- The Pilot Project is hosted by Plant Protection Office (PPO) Site- Tengeru, Arusha Region, Tanzania;
- Training Workshop for Tanzanian nationals on Investigation and Management of contaminated sites- held in Tengeru, Arusha Region, Tanzania on May 13-15, 2014;
- Ten Experts from Tanzania participated at the training workshop: The VP's Office, NEMC, MoAFSC, TPRI, GCLA, and Dar es Salaam City Council;
- Training Workshop for Tanzanian nationals on Investigation and Management of contaminated sites- held in Tengeru, Arusha Region, Tanzania on May 13-15, 2014;
- Ten Experts from Tanzania participated at the training workshop: The VP's Office, NEMC, MoAFSC, TPRI, GCLA, and Dar es Salaam City Council;
- Training Workshop for Tanzanian nationals on Investigation and Management of contaminated sites- held in Tengeru, Arusha Region, Tanzania on May 13-15, 2014;

- Ten Experts from Tanzania participated at the training workshop: The VP's Office, NEMC, MoAFSC, TPRI, GCLA, and Dar es Salaam City Council;

Activity 3.2.2: Create data base and website within the COMESA and SADC Sub region, linked to UNIDO website, to share and disseminate data/information collected from contaminated sites and hot spots; 2014;

- An IT expert has been identified and he is expected to start creating the data base the end of this month.

Outcome 4: Establishment of project Management structure and project M&E Mechanism

Activity 4.2.2: Measure impact indicators on an annual basis; Africa Institute- Report was prepared for 2013;

- 3rd Project Steering Committee (PSC) Meeting, Durban, South Africa; January, 2014; and the 4th PSC meeting was held in Durban; July, 2014
- Activity 4.2.4: Hold annual HIMCG- Egypt?!!!!;
- Activity 4.2.5: Hold annual tripartite review meeting- PCB Meeting; 2-3 December, 2014;
- Activity 3.2.2: Create data base and website within the COMESA and SADC Sub region, linked to UNIDO website, to share and disseminate data/information collected from contaminated sites and hot spots; 2014;
- An IT expert has been identified and he is expected to start creating the data base the end of this month.

Challenges in implementing project activities in 2014 in COMESA and SADC sub-regions

- At countries' level:
 - Lack of commitment from countries and in most cases they fail to implement country level project activities;
 - The PFPs consider activities of the project as an ad hoc exercise;
 - Countries' failure to submit detailed plans and budget to conduct project activities, and failure to submit their quarterly and/or bi-annual reports.
- At Regional level:
 - Availability of international experts who have the expertise in POPs issues related to Textile, and Leather industries;
 - Lack of qualified laboratories in the region which could perform sample analysis taken from contaminated sites;
 - Lack of companies with geotechnical and environmental expertise in the region;
 - The new SAP system at UNIDO headquarters;

4.1.1.2 National Progress Report for 2014 for COMESA & SADC sub-regions

Tequam Tesfamariam, Regional Coordinator for COMESA sub-region, presented a progress report on UNIDO's component of activities undertaken at the national level for both COMESA and SADC sub-regions for the period covering July to December, 2014.

Activity 2.1.1: Organize national awareness raising workshops on cleaner waste management with the aim to promote business and job opportunities in the field of waste management.

The following countries have conducted national awareness raising workshop on cleaner waste management as planned: Burundi - July 2014; Ethiopia- July 2014; Mozambique- November 2014; Rwanda- July 2014; Sudan- May 2014; Swaziland- October 2014 ; Tanzania-November 2014; Uganda- July 2014. Lesotho is the only country that has not conducted the workshop.

Activity 2.2.1: Organize (in cooperation with FAO / RENPAP / MOA) an awareness raising workshop for market gardeners on integrated pest management in crop protection and post-harvest management with particular focus on the use of bio pesticides

Activity 2.2.2: Review existing data and conduct national inventory of existing bio-pesticide formulation

Activity 2.3.1: Identify the informal collection system of PCBs and used oil and perform environmental audits to determine the need for enhancing collection and channeling of the PCBs streams on an ESM manner in line with GEF/UNEP Pilot Project in the Sub-region. (2015)

Activity 2.3.2: Conduct a survey on existing concepts for plastic waste management including the reuse of waste plastic bags as raw material for various articles (bags, ropes, civil engineering materials, etc.) (2015)

Activity 2.3.5: Investigate the current informal paper and e-waste management and the management of other halogenated solid and liquid waste (2015)

For the above-mentioned activities, UNIDO prepared TORs and draft contract and the project coordinators drafted template to assist countries prepare their workplan to implement the proposed project activities during the second half of the year

Project coordinators repeatedly requested countries to submit their plan and budget break down and sign their contract for UNIDO to release required budget. Despite all the efforts that have been made by UNIDO and the Project Coordinators, no country has so far implemented these project activities up to now.

Challenges of implementing national project activities

- The national POPs focal points are not showing interest on this project and they failed to implement country level project activities they have been agreed to implement in the second half of 2014 at the time of the 4th Project Steering Committee meeting;

- The POP focal points considered activities of this project as an ad hoc activity and most of the time they do not respond to the requests made by the project coordinators to improve the situation;
- They have not submitted detailed plan and budget to conduct project activities planned to be implemented in the second half of 2014.

Way forward

- Official request has to be made to the GEF focal points for the Government to recommit itself to implement the SC;
- Budget has to be allocated to hire project officer in the respective countries to assist the National POPs Focal Point to effectively implement country level project activities;
- Serious discussion with the POPs focal points has to be made on this issue during the 5th PSC Meeting on the challenges we are currently facing to come up with workable solutions.

4.1.1.3 Workplan for 2015 for COMESA and SADC sub-region

The following activities are scheduled to be undertaken for COMESA and SADC sub-regions:

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

- Activity 1.2.4: Undertake targeted awareness raising campaigns in BAT/BEP for informal sector (National Activity);
- Activity 1.3.1: Carry out Pilot demonstration of BAT/BEP in textile Dyeing and finishing- Ethiopia- Regional Activity;
- Activity 1.3.2: Carry out pilot demonstration of BAT/BEP in Leather Dyeing and finishing- Sudan- Regional Activity.

Outcome 2: Reduction of exposure to POPs

- Activity 2.1.1: Organize national awareness raising workshops on cleaner waste management with the aim to promote business and job opportunities in the field of waste management (National Activity);
- Activity 2.1.3: Support the establishment of a regional program for training on cleaner municipal solid waste and health-care waste management through the BCRCS, NCPCs, SC centres (Regional Activity);
- Activity 2.2.1: Organise (in cooperation with FAO / RENPAP / MOA) an awareness raising workshop for market gardeners on integrated pest management in crop protection and post-harvest management with particular focus on the use of bio pesticides- (National Activity);
- Activity 2.2.2: Review existing data and conduct national inventory of existing bio-pesticide formulations- (National Activity);

- Activity 2.3.1: Identify the informal collection system of PCBs and used oil and perform environmental audits to determine the need for enhancing collection and channeling of the PCBs streams on an ESM manner in line with GEF/UNEP Pilot Projects in the Sub-region (National Activity);
- Activity 2.3.2: Conduct a survey on existing concepts for plastic waste management including the reuse of waste plastic bags as raw material for various articles (National Activity);
- Activity 2.3.3: Develop a concept for plastic waste management including the reuse of waste plastic bags as raw material for various articles (bags, ropes, civil engineering materials, etc. (Regional Activity);
- Activity 2.3.4: Support the creation of a national Micro- or Small Enterprise for an environmentally sound recycling of plastic bags (National Activity);
- Activity 2.3.5: Investigate the current informal paper and e-waste management and the management of other halogenated solid and liquid waste (National Activity).

Outcome 3: Identification and assessment of Contaminated Land/sites

- Activity 3.1.1: Prepare manuals, procedures, protocols and guidelines for local use for the identification of POPs contaminated sites and for conducting risk assessment of these sites- (Regional Activity);
- Activity 3.1.2: Develop methodology for the selection of economically feasible and environmentally sound POPs contaminated site remediation technologies (Regional activity);
- Activity 3.1.3: Conduct study to identify environmentally sound remediation technologies or benign ways of cleaning up of the contaminated sites;
- Activity 3.1.4: Undertake pilot demonstration project to verify the effectiveness of the low cost remediation technology and validate contaminated site identification methodology (Tanzania – remediation technology);
- Activity 3.1.5: Prepare contaminated site remediation plans of the identified hot spots in the sub region (Regional & National);
- Activity 3.2.2: Create data base and website within the COMESA & SADC Sub region, linked to UNIDO website, to share and disseminate data/information collected from contaminated sites and hot spots (Regional Activity).

Outcome 4: Establishment of project Management structure and project M&E Mechanism

- Activity 4.2.2: Measure impact indicators on an annual basis (Africa Institute);
- Activity 4.2.4: Hold annual HIMCG, PSC meeting (TBD);
- Activity 4.2.5: Hold annual tripartite review meeting- PCB Meeting (TBD);
- Activity 4.2.9: Establish a project management information system (MIS), including project website to disseminate information to stakeholders.

4.1.1.4 Financial Report for 2014- COMESA & SADC sub-regions

Erlinda Galvan, the UNIDO project manager of the LDCs project for COMESA and ECOWAS sub-regions, presented the status of the budget/expenditure on UNIDO's component of activities undertaken at the regional and national level for both COMESA and SADC sub-regions for the period covering July to December, 2014.

TOTAL PROJECT BUDGET: COMESA: US\$ 2.5 m SADC: US\$ 1.5 m

TOTAL EXPENDITURES (as of 30 November 2014)

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL expenditures (USD)	Total available (USD)
COMESA	392,050	271,727	426,017	1,089,848	1,410,152
SADC	228,268	238,882	348,385	815,535	684,465

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

- Activity 1.3.1: Pilot demo of BAT/BEP in textile dyeing and finishing (Ethiopia: Phase 1 - April 2013 to April 2014)
- Activity 1.3.2: Pilot demo of BAT/BEP in leather dyeing and finishing (Sudan: Phase 1 - May 2014 to January 2015)

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL expenditures (USD)	Total available (USD)
COMESA	307,822	84,026	276,784	668,632	829,485
SADC	187,194	91,243	115,152	393,589	378,340

Outcome 2: Reduction of exposure to POPs

- Activity 2.1.1: Organize national awareness raising workshops on cleaner waste management promoting business and job opportunities in the field of waste management;

- Activity 2.1.2: Organize a sub-regional training workshop for waste management personnel with special focus on risk reduction and concept of cleaner municipal solid and healthcare waste management.

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL expenditures (USD)	Total available (USD)
COMESA		86,735	32,087	118,822	221,094
SADC		49,167	32,269	81,436	113,836

Outcome 3: Identification and assessment of Contaminated Land / sites

- Activity 3.1.4: Pilot demo project to verify effectiveness of low cost remediation technology and validate site identification methodology (Tanzania: January 2014 – December 2014)

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL expenditures (USD)	Total available (USD)
COMESA	66,183	62,809	55,537	184,529	221,153
SADC	38,577	47,170	171,323	257,070	114,177

Outcome 4: Establishment of Project Management structure and M&E Mechanism

- Activity 4.2.3: Prepare quarterly progress reports and annual PIRs
- Activity 4.2.4: Hold biannual PSC meetings, etc.
- Activity 4.2.5: Hold annual PCB meeting
- Activity 4.2.6: Carry out mid-term evaluation
- Activity 4.2.9: Establish project management information system including project website

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL expenditures (USD)	Total available (USD)
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	(USD)			(USD)	
COMESA	18,044	38,157	61,664	117,865	138,420
SADC	2,496	51,303	29,641	83,440	78,112

Budget for 2015 Workplan for COMESA and SADC

TOTAL PROJECT BUDGET: COMESA: US\$ 2.5 m SADC: US\$ 1.5 m

TOTAL EXPENDITURES (as of 30 November 2014)

	2011-2012 (USD)	2013 (USD)	2014 (USD)	TOTAL expenditures (USD)	Total available (USD)
COMESA	392,050	271,727	426,017	1,089,848	1,410,152
SADC	228,268	238,882	348,385	815,535	684,465

Budget breakdown per outcome for COMESA & SADC sub-regions

Outcome	COMESA (USD)	SADC (USD)
Outcome 1: Introduction of BAT/BEP in industrial production processes mentioned in Annex C of Article 5 of the SC Convention	457,500	257,500
Outcome 2: Reduction of exposure to POPs at workplace and from waste	304,000	202,000
Outcome 3: Identification and assessment of contaminated sites	142,000	106,000
Outcome 4: Project Management structure and M&E	105,000	87,000
TOTAL	1,008,500	652,500

Outcome 1: Introduction of BAT/BEP in Industrial production processes indicated in Annex C of Article 5 of the Convention

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
1.2.4: Undertake targeted awareness raising campaigns in BAT/BEP for informal sector	March 2015 to August 2015 National activity	Subcontract TOTAL	50,000 50,000	40,000 40,000
1.3.1: Pilot demo of BAT/BEP in textile dyeing and finishing (Phase 2)	January 2015 to December 2015 (Ethiopia)	Travel Subcontract Training/Workshop TOTAL	10,000 150,000 25,000 185,000	5,000 50,000 20,000 75,000
1.3.2: Pilot demo of BAT/BEP in leather dyeing and finishing (Phase 1 & 2)	January to December 2015 (Sudan)	Int. consultant Nat. consultant Travel Subcontract Training/Workshop TOTAL	6,500 6,000 10,000 175,000 25,000 222,500	6,500 6,000 10,000 100,000 20,000 142,500

Outcome 2: Reduction of exposure to POPs

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
2.1.3: Support the establishment of a regional programme for training on cleaner MSW and HWM through the BCRCs, NCPCs, SC centres	March 2015 – September 2015	Travel Subcontract TOTAL	7,000 35,000 42,000	4,000 28,000 32,000

2.2.1: Organize in cooperation with FAO/RENAP/MOA national training workshop for market gardeners on integrated waste management in crop protection and post-harvest management with particular focus on the use of biopesticides	May – June 2015 National activity	Int. consultant Travel Workshop/training TOTAL	9,000 18,000 35,000 52,000	6,000 12,000 20,000 38,000
2.2.2: Review existing data and conduct national inventory of existing bio-pesticides formulations	July 2015 National activity	Subcontract TOTAL	36,000 36,000	24,000 24,000
2.3.1: Identify the informal collection system of PCBs and used oil and perform environmental audits to determine the need for enhancing collection and channeling of PCBs streams on an ESM manner in line with GEF/UNEP pilot projects in the sub-region	June 2015 – September 2015 National Activity	Int. consultant Travel Subcontract TOTAL	6,000 12,000 30,000 48,000	6,000 8,000 20,000 34,000
2.3.2: Conduct a survey on existing concepts for plastic waste management including the reuse of waste plastic bags as raw material for various articles	July 2015 National activity	Subcontract TOTAL	30,000 30,000	20,000 20,000

2.3.3: Develop a concept for plastic waste management including the reuse of waste plastic bags as raw material for various articles (bags, ropes, civil engineering materials, etc.	August 2015	Int. consultant Travel National consultant TOTAL	6,000 12,000 12,000 30,000	4,000 4,000 8,000 16,000
2.3.4: Support the creation of a national micro or small enterprise for an environmentally sound recycling of plastic bags	October 2015 National activity	Subcontract TOTAL	48,000 48,000	32,000 32,000
2.3.5: Investigate the current informal paper and e-waste management and the management of other halogenated solid and liquid waste	October 2015 National activity	Travel Subcontract TOTAL	6,000 12,000 18,000	4,000 8,000 12,000

Outcome 3: Identification and assessment of Contaminated Land / sites

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
3.1.1 Prepare manuals. procedures, protocols and guidelines for local use for the identification of POPs contaminated sites and for conducting risk assessment of these sites	February 2015	Int. consultant Travel TOTAL	9,000 5,000 14,000	4,500 2,500 7,000

3.1.2: Develop methodology for the selection of economically feasible and environmentally sound POPs contaminated site remediation technologies	April 2015	Int. consultant Travel TOTAL	9,000 5,000 14,000	4,500 2,500 7,000
3.1.3 Conduct study to identify environmentally sound remediation technologies or benign ways of cleaning up of the contaminated sites	June 2015	Int. consultant Travel Nat. consultant TOTAL	6,500 7,000 7,500 21,000	6,500 4,000 6,000 16,500
3.1.4: Pilot demo project to verify effectiveness of low cost remediation technology and validate site identification methodology	January to June 2015 Tanzania	Int. consultant Travel Subcontract Training/Workshop TOTAL	9,000 15,000 30,000 24,000 78,000	4,500 10,000 30,000 20,000 64,500
3.1.5: Prepare contaminated site remediation plans of the identified hot spots in the sub-region	July 2015	Int. consultant Nat. consultant TOTAL	5,000 6,000 11,000	5,000 4,000 9,000

3.2.2 Create data base and website within the COMESA/SADC sub-region, linked to UNIDO website, to share and disseminate data/information collected from contaminated sites and hot spots	February 2015	Nat. consultant TOTAL	4,000 4,000	2,000 2,000
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Outcome 4: Establishment of Project Management structure and M&E Mechanism

Activity	Proposed Date/Place	Description	COMESA (USD)	SADC (USD)
4.1.1: Recruitment of Regional Coordinators	January to December 2015 (part-time basis)	Int. consultant TOTAL	36,000 36,000	48,000 48,000
4.2.2: Measure impact indicators on an annual basis	January to December 2015 (Africa Institute)	Subcontract TOTAL	15,000 15,000	5,000 5,000
4.2.3: Prepare progress reports, PIRs, etc	October 2015	Sundries TOTAL	7,000 7,000	5,000 5,000
4.2.4 Hold annual HIMCG, PSC meetings	April 2015	Travel Workshop/meeting TOTAL	6,000 24,000 30,000	3,000 16,000 19,000
4.2.5: Hold annual PCB meeting	TBD	Travel Workshop/meeting TOTAL	7,000 10,000 17,000	5,000 5,000 10,000

4.1.2 ECOWAS sub-region Presentations- UNIDO Component

4.1.2.1 Progress Report for 2014 for ECOWAS sub-region

Smail Al-Hilali, the UNIDO project manager of the LDCs project for ECOWAS sub-region, presented the status of the budget/expenditure on UNIDO's component of activities undertaken at the regional and national level for ECOWAS sub-region for the period covering July to December, 2014.

Output 1.1: Sub-regional ECOWAS BAT/BEP Forum established

Activities Planned, Implementation Status and Comments:

Assist in enhancing industry performance in the region in conformity with the BAT/BEP guidelines; Develop partnerships in the region for successful implementation of the regional action plan. No activity led by the regional forum and No partnership established. There is a lack of ownership by the participating countries and there will be a need of an active secretariat with dedicated funding.

Output 1.2: Human resources for BAT/BEP developed, technical knowledge shared in SMEs and the informal sector

Activities Planned, Implementation Status and Comments:

Carry out training workshops in BAT/BEP in textile & leather dyeing and finishing and training workshops in BAT/BEP in waste oil refinery. No training planned as no country applied to host the pilot on Textile and Leather. The national action plan of Mali to host the pilot project on waste oil management and the ToRs for the pilot demonstration is prepared.

Output 1.3 : BAT/BEP in dyeing and finishing of textile and leather, in waste oil refinery and food smoke-curing initiated

Activities Planned, Implementation Status and Comments:

Pilot demonstration of BAT/BEP in textile sector and Leather tanning, and no country is interested in hosting these two pilots. Pilot demonstration of BAT/BEP in food smoke-curing. The host country will be: Benin; ToRs for the pilot demonstration is prepared and the international expert has been identified in June 2014 and he will be recruited in January, 2015. The MoU will be signed with the country (Benin). Pilot demonstration of BAT/BEP in waste oil refinery will be hosted by Mali. ToRs for the pilot demonstration was prepared and the international consultant will be recruited in January, 2015. The MoU will be signed with the country (Mali)

Output 2.1: Concept of cleaner municipal solid waste and health-care waste management system to mitigate UP-POPs releases introduced in national waste management

Activities Planned, Implementation Status and Comments:

Pilot demonstration of BAT/BEP in health care waste. Guinea-Bissau will host this pilot project. The international expert has been identified in June, 2014 and ToRs of the pilot project has also been prepared. The activity of this pilot project is expected to start January 2015 and the MoU will be signed with the country.

Support the establishment of a regional program for training on cleaner MSW and Health Care Waste: No regional training programme has been developed yet and this activity is postponed to year 2015.

Output 2.2: Strategy developed to audit, formalize and scale-up to micro- or small enterprises informal management practices of PCBs solid and liquid waste, plastic waste, used paper and e-waste

Activities Planned, Implementation Status and Comments:

Formulate and facilitate field testing of bio-botanical pesticides in cooperation with research institutions, RENPAP, FAO and farmers associations. The host country will be Togo; ToRs of the pilot project is prepared with the Plant Protection Directorate will be the executing agency. Two NGOs and University of Lome will be involved in the project.

Pilot demonstration of BAT/BEP in waste plastics. Guinea will host this pilot project. The international expert has been identified and activities will start in year 2015. The MoU will be signed by the country.

Support PPP model for creation of SME's for an environment sound recycling of paper and e-wastes whereby PPP has been initiated with Sodiplast in cooperation with ISWA.

Output 3.1: Contaminated site identification strategies, protocols and guidelines formulated and applied in the sub-region based on the UNIDO Toolkit

Activities Planned, Implementation Status and Comments:

Pilot demonstration project to validate contaminated site identification methodology and low cost decontamination solutions was undertaken in Sao Tome & Principe. A sub-contract with TAUW to conduct on site training was finalized and a training was carried out in September, 2014. Rehabilitation of the site is planned for 2015.

Output 3.2: Capacity to manage contaminated sites strengthened

Activities Planned, Implementation Status and Comments:

Create database and website within the ECOWAS Sub-region, to share and disseminate data and information. No decision is made yet regarding the hosting of the website. Assess

involvement of technology providers for the development of PPP in managing contaminated sites will be done through pilot projects on BAT/BEP.

Output 4.1: Project management established and made operational

Activities Planned, Implementation Status and Comments:

Recruit the Regional Coordinator, National Project Coordinators and technical experts to support the implementation of the National Action plans and establish the local project management offices in the participating countries.

Output 4.2: M&E framework designed and implemented according to GEF M&E Procedures

Activities Planned, Implementation Status and Comments:

- Measure impact indicators on an annual basis: PIR 2014
- Hold annual SPSC meetings: Postponed to 2015
- Hold annual Tripartite Review Meetings: 2-3 December, 2014
- Carry out mid-term external evaluation: 2015
- Carry out annual visits to selected field sites: 2015

Project Budget per year for ECOWAS

Year	2012	2013	2014	2015	2016	Total
Budget (USD)	434,131	320,470	2,487,884	448,300	309,215	4,000,000
Expenses (USD)	434,131	320,470	476,730			

Status of the Budget for ECOWAS as of November, 2014

Total budget (USD)	Total expenses (USD)	Budget Available (USD)
4,000,000	1,231,330	2,768,670

Budget per outcome for ECOWAS sub-region

Outcome / USD	Released budget	Expenditure	Available budget
Outcome 1	1,054,376	335,547	718,829
Outcome 2	746,132	78,418	667,713
Outcome 3	352,124	48,952	303,172
Outcome 4	335,252	13,813	321,440
Total	2,487,884	476,730	2,011,154

4.1.3 General Comments by the Participants and Proposed Solutions

Three years and half of the project life has elapsed and time is very short (only one year and half left) to complete the remaining project activities. At this mid-term project review meeting it is important to carry out some scoping on the project activities and reallocation of project budget to speed up the process. The meeting participants requested African Institute to prepare and circulate half a page proposal before mid of January 2015 on how scoping and other means if there are any, which can be done to accelerate project implementation prior to the commencement of the upcoming PSC Meeting.

It is not possible to drop out project outputs without having to receive the endorsement of such changes by the GEF secretariat. However, it may be possible to change mode of operation and implement fewer activities than the originally planned. It may be possible to plan fewer pilots than in the original project document and these pilots can be argued as showcase in the region for replication wherever they can find money and budget reallocation is possible to make. It was also proposed to plan early enough so as to accelerate project implementation.

Project sustainability is questionable at the end of the project life. RECs have no programme related to chemicals management and this is indicated as a challenge for the RECs to ensure project sustainability. It is critical for the RECs to own this project and allocate budget to ensure project sustainability and the RECs have to open window for the management of chemicals in the future. Furthermore, the RECs can link with the existing activities in countries and that way the RECs can ensure project ownership and sustainability. Explanation was requested to clarify the mandate of the RECs on this project. This mandate, however, has not been clear in the original project document and it has to be clarified in the future. The existing focal point of COMESA in waste management can be used to follow up country level project activities related to waste management.

In the case of ECOWAS there is reluctance on the part of the regional REC to host pilot projects because of the lack of budget. It was agreed to bring the matter to the PSC for ECOWAS and encourage countries to host pilot projects.

Taking into account the project implementation is way behind schedule it was requested for UNIDO and UNEP to have extra ordinary PCB meeting to devise on ways and means of accelerating project implementation. This proposal has been endorsed by the meeting participants and it is agreed that Kevin helps of UNEP to prepare the agenda for the meeting and also agreed for him to request GEF Secretariat for some guidance on the issue of revising the scope of the project outputs. The extra-ordinary meeting is proposed to be held on 15 to 19 June 2015 at the COMESA secretariat with the fall back venue in Duran, South Africa.

The need to decide date and venue of the upcoming fifth PCB meeting for the UNIDO Component was also raised in this meeting. It was decided for this meeting to be held in Jinja, Uganda in November 2015. It is also suggested that Ms Christine Kasade, POPs Focal Point of Uganda will need to be involved in organizing this meeting.

Participants sought clarification on the purpose of holding HIMCG. The need to decide on the dates and venue of HIMCG was realized. There is a need to stress the role of the HIMCG to involve the ministers of environment from the participating countries in order to get their stronger commitment for mobilizing co-financing for the project as mentioned in the project document. It is proposed to organize this meeting back to back with Super COP from 3 to 15 May 2015 in Geneva. Kevin Helps will discuss such proposal with GEF and advice accordingly.

It was also suggested to arrange study tour to see and learn from the projects activities that were implemented on the ground. No project activity have matured enough, however, to justify taking a study tour; accordingly it was proposed to postpone the study tour until the end of 2015.

It was agreed for the fifth PSC meeting of COMESA/SADC to be held from 16 to 23 February 2016 in Durban. As for ECOWAS, Mr. Ismail of UNIDO suggested that, Mr. Alassani of ECOWAS Secretariat and UNEP to find out the right time and country to host this meeting and inform the meeting participants.

COMESA Secretariat's representative (Mr. Gift Bundo) asked the meeting participants to have the recommendations this meeting be put forward to accelerate project implementation. Similarly, he also requested UNIDO and UNEP to use the same format of reporting project progress. It was proposed that, UNIDO shall formulate a template for reporting project progress and preparing plans and pass it on to UNEP, in order to have harmonized reporting format. It was also agreed that, UNIDO and UNEP shall compile

recommendations of this meeting and circulate it to the participants before the 12th of December 2014.

The issue of DRC came up again in this meeting. It was agreed to clarify this issue in the next meetings.

On the question of why is the SADC and COMESA UNIDO Project Component lumped together in the project implementation process? The reason is to create synergy and optimize project resource use, and to take advantage of these two regions having English as common language in order to organize common activities for cost-effectiveness.

4.1.4 Upcoming Events

The next annual PCB meeting (the 5th) is planned to take place in Uganda on November/December 2015. UNEP in consultation with Ms. Christine Kasade, POPs focal Point of Uganda will organize this meeting.

The Extraordinary PCB meeting will be held in Durban, South Africa on June, 2015, to assess progress so far made by the implementing agencies (mitigation measure to compensate the delay). Mr. Kevin Helps is responsible of organizing this meeting. He will prepare and transmit a draft agenda of the meeting to Mr. Nouri Abdallah who will in turn circulate it to other PCB members. The extra PCB meeting is expected to last 3 working days. Proposed dates are: Arrival 15 June 2015; Departure 19 June 2015. The proposed venue is: Hotel Blaire in Durban, South Africa.

It has been decided that a UNEP and UNIDO High Level Meeting shall be held every three months. The proposed date for the next meeting will be the second week of March 2015 in Cape Town, South Africa.

4.2 Summary of Project Monitoring and Evaluation

Objectives of Monitoring and Evaluation

To provide **evidence** of activities and results to meet accountability requirements.

Activity reports

- Activity outputs
- Progress reports (inc PIRs)
- PSC and PCB reporting
- Communications with Executing personnel

To promote learning, feedback, and knowledge sharing through results and lessons learned among Implementing, Executing and Coordination partners.

- Identifying and flagging potentially retarding elements in execution
- Providing third party peer outlook
- Discussions on appropriate remedial actions

Performance of 2014 for both UNEP and UNIDO components

- UNEP – ECOWAS [CG & BCRC]- No Implementation, Review of outcomes, rationalization of activities **10%/100%**
- UNEP – COMESA & SADC [WWF]- Completed **45%**, ongoing and/ not done **55%**
- UNIDO –SADC & COMESA- Completed **70%** , ongoing /and not done **30%**.
- UNIDO – ECOWAS- Not covered by AI,

UNEP

- Component 1 - 50%
- Component 2 - 25%
- Component 3 - 10%
- Component 4 - 80%
- Average = 41.25%
- Expenditure = 22.47%

UNIDO

- Outcome 1- 50%
- Outcome 2 - 10%
- Outcome 3 - 20%
- Outcome 4 - 70%
- Average = 37.5%
- Expenditure = 43.0 %

5. Progress report on national activities (July-December, 2014)

5.1 National Workshops on cleaner waste management

All four SADC countries have successfully signed their contracts with UNIDO to conduct national workshops on cleaner waste management (Activity 2.1.1). Swaziland has successfully conducted its notational workshop on October 7th, 2014, but no reports have been sent by Swaziland yet. Mozambique and Tanzania have conducted their workshops in November, 2014. As for Lesotho, there was an issue with the contract signed between UNIDO and the University of Lesotho to conduct national workshops, the contract has since been void and a fresh contract will need to be signed between UNIDO and Lesotho. The new contract has been signed in November and Lesotho will receive the funds in December, 2014.

5.2 Undertaking activities (2.2.2, 2.3.1, 2.3.2, and 2.3.5) by SADC countries

As part of the regional workplan for year 2014, Activities 2.2.2, 2.3.1, 2.3.2, and 2.3.5 were scheduled to be performed at the national level (by countries) during the second half of the

year (2014). The regional coordinator developed a template workplan and sent it to the POPs Focal Points of the participating countries on October 7th, 2014. The total amount of funds allocated for the aforesaid activities is \$8,000 (\$2,000 for each activity). No country has submitted its workplan to date to the regional coordinator as a reminder email was sent to them urging them to submit their final workplan so that a contract can be signed between these countries and UNIDO so the latter can release the funds. Furthermore, these countries will need to close the books on previous activities (e.g. Activity 2.1.1), as no country has done so, and consequently, no country has signed a contract with UNIDO as of yet.

Additionally, the regional coordinator had also developed a draft ToRs in October, 2014, for the above-mentioned activities to be included in the contract which will be signed with these countries. The draft ToRs was sent to the project manager on October 7th, 2014

Annexes

Annex No. 1: Tasks for Mission 2 Site Investigation Reporting include (drawn up by Prof. Li):

Nouri:

- Follow up with TPRI analytical results for the first batch of PROFILE SAMPLES – Joseph Malulu
- Follow up with TPRI analytical results for the surface samples (if the calculations, dilution factor and interpretation are correct) – Joseph Malulu.
- Surface sample results and profile samples results should be sent to me for check before forward to Mary and Mangalili to prepare the report.
- Report from Water Solution – Vincent
- Report from TPRI – Joseph Bukalasa, Loretta will provide sample report for Bukalasa.
- Possibility of removing the storage house. Coordinate with Juma and Mangalili

Loretta:

- Provide 2nd batch PROFILE SAMPLES for analysis.
- Lab QA/QC check
- Provide sample report for Bukalasa.
- Provide key points to Vincent for his report
- Supervise and provide National Project Co-ordinator (NPC) and Project Technical Assistant (PTA) to prepare PSI-S1 and DSI reporting.

Mary:

- Measure soil moisture contents
- Particle-size distributions by sieve analysis. Make sure keep all samples
- Follow work plan as discussed on Sunday August 17, 2014

Juma:

- To avoid contamination and protect work's health: Suggest to develop protocols and procedures for taking fuel from storage and same for pesticides.
- Look into the possibility of remove the storage house as it is formerly contaminated due to leaking of pesticides 20 years ago. Also contaminated by PAH since the storage house was built.

1) Prepare to a detailed report on Preliminary Site Investigation Stage 2 (PSI-S2):

- a) PSI-Stage 2 sampling, include sampling plan for media including water, soil, and plant samples
- b) Report chemical analysis results.
 - i) Compile all relevant information
 - ii) Identify all source zones, contaminants of concern, pathways for contaminant transport, and receptors based on analytical results.
 - iii) Surface runoff

- iv) Translate results into Figures and Tables
- b) Data interpretation
 - i) Identify data gaps, QA/QC, potential errors, etc.
- c) Update conceptual site model
- d) Conclusions and Recommendations

Complete by August 22

- 2) Prepare a professional technical report on DSI
 - a) Compile profile information, chemical data
 - b) Translate results into Figures and Tables
 - c) Data interpretation
 - i) Identify data gaps, QA/QC, potential errors, etc.
 - d) Conclusions and Recommendations

Complete by September 7

Note:

- ***Read UNIDO Contaminated Site Investigation and Management Toolkit Chapter 2 Nigeria and Ghana case studies.***
- ***Follow these two case studies, prepare a technical report of above 1) and 2).***

Explore options and seek for information - Preparation for Remediation:

Nouri: co-ordinate with National Experts; National Project Co-ordinator (NPC) and Project Technical Assistant (PTA)

Mangalili:

- Find out the cost, ordering and shipment for flexible membrane liner material: Elastomeric: ES1, ES2; and technical experts. See information attached. Need to seek for contractor who has technical experts to install flexible membrane liners. Nouri will assist
- ***Locally*** available (i.e. in Arusha or Tanzania, not from other regions, for example India, NA etc.) phyto-plant species for pesticides remediation (non-edible plant species is preferred, grass species is good option as they grow quick and have good survival skill) and relevant information such as biodegradation, microbial-degradation, characteristics of the plant species, nutrients, etc. (Complete by September 8)
- Find out:
 - local civil engineering company for soil excavation and cost
 - Find out cost for soil relocation
 - Potential location for soil relocation within the same district and need procedures, e.g. permitting etc.
 - Transport of contaminated soil, permit?

Complete by September 1

Mary:

- Climatic condition in Arusha:
 - Wet/dry seasons, climatic information
 - Rainfall intensity: maximum daily rainfall, hourly rainfall
 - Corresponding daily temperature
 - Evapo-transpiration rate, soil infiltration rate (for borrow soil and in-situ soil)
- Flowering plant species with fragrance smell, but do not attract pests.
- Planting requirements and conditions, soil types.
- Water source for watering plants on-site.
- Any lawn grasses mats available to purchase
- Complete by September 1

Annex No. 2: List of participants of the 4th Joint UNIDO/UNEP PSC meeting, Durban

List of participants “4th Joint UNIDO/UNEP Project Steering Committee (PSC) Meeting for COMESA and SADC” Durban, South Africa, from 15 July – 17 of July 2014

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Annex No. 3: List of participants of Phase-2 of the Pilot Demo Project on Contaminated Sites

List of participants of Phase 2 of the Pilot Demo Project on Contaminated Sites; PPO-Tengeru Site, Tengeru, Tanzania 30 July-20 August, 2014 Tengeru, Arusha Region, Tanzania

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Annex No. 4: List of participants of Validation Workshop to finalize the project document of Open Burning

**List of participants of Validation Workshop to finalize the project document on “Promotion of BAT and BEP to Reduce uPOPs Releases from Waste Open Burning in the Participating African Countries of SADC Sub-regions”
25-26 November, 2014- Gaborone, Botswana**

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Annex No. 5: List of participants of the 4th Joint UNIDO/UNEP PCB Meeting

List of participants of the 4th Joint UNIDO/UNEP Project Coordination Body (PCB) Meeting for LDCs project for COMESA, ECOWAS and SADC sub-regions, Maputo, Mozambique, December 2-3, 2014

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