

**Waste Management Partnership Area Draft Wish List
(As of 19 Dec 2012)**

Title of the Project (To be updated in early 2013)	1. Replicable pilot project on provincial implementation plan and introduction of BAT BEP strategies for the management of mercury and mercury containing waste (in the province of Santa Fe, Argentina)
Outline of the Project	<ol style="list-style-type: none"> 1. Revise the existing legal and normative national and provincial framework that regulates collection, transport, management and temporary and final disposal of mercury and mercury containing waste. 2. Analyze the existing technical and scientific infrastructure for collection, transport, management and transitory and final disposal of mercury and mercury containing waste in the province of Santa Fe, including the locally and internationally available BAT and BEP. 3. Prepare a provincial implementation plan (PIP) for collection, transport, management and transitory and final disposal of mercury and mercury containing waste. 4. Prepare the basis and develop a proposal to be included under the PIP and to be implemented as a subsequent small scale pilot project to demonstrate efficiency and effectiveness of the BAP and BET available technology.
Achievements/Outcome Expected	Environmentally sound management of waste containing mercury practically demonstrated, related policy developed and awareness raised
Estimated Amount of Budget and Expected Source of Funds	GEF: USD\$500,000 Minimum co-financing required: USD\$1.0 million
Contact Person and Organization	Carolina Gonzalez, UNIDO Email: C.Gonzalez-Castro@unido.org

Title of the Project (Updated 19 Dec 2012)	2. Sound Management of Mercury Containing Wastes (management, treatment, collection and disposal) (Syrian Arab Republic)
Outline of the Project	<ol style="list-style-type: none"> 1. Inventory developing 2. Increase the technical capacity 3. Awareness workshops 4. Environmental Impact Assessment (EIA) for the paper production plant - Syrian coast 5. Developing a national action plan for sound management of mercury containing wastes (Separation, collection, transportation, treatment, storage, disposal, landfill design)
Relation with the Priority Actions of the Partnership Area	<p><u>Related priority actions:</u></p> <p><u>Priority Action A:</u> Identify and disseminate environmentally sound collection, treatment, transportation and disposal techniques/practices to reduce mercury releases from waste by following a lifecycle approach</p> <p><u>Priority Action B:</u> Assess environmental impacts of current waste management practices and processes, including providing support to</p>

	countries to assess their national situation (e.g. development of national mercury waste inventories and priority setting) and needs
Expected impacts on Target Area/Population	<u>Target area of the project (country, city)</u> Syrian Arab Republic : Deir el-Zor City (paper plant) Baniyas City (beach, oil refinery, power plant, oil estuary)
	<u>Estimated Number of Target Population</u> About 601053 inhabitants
	<u>Major challenges/problems of Target Area/Population to be tackled in the project</u> <ul style="list-style-type: none"> • Lake in the data base • Type of used technology
	<u>Expected impacts that would improve the situation of the Target Area/Population</u> <ul style="list-style-type: none"> • Reducing the concentration of mercury in the waste and the surrounding medium • Decrease morbidity
Achievements/Outcome Expected	<u>Outline of the Expected Achievements/Outcome</u> <ol style="list-style-type: none"> 1. Review of quantitative and qualitative data from the national inventory of mercury sources 2. Development of a national mercury waste management plan 3. Sampling and mercury analysis of environmental and human samples 4. Final national reports and final project report; evaluation
	<u>Expected amount of mercury diverted from waste stream</u> 2500 kg-Hg
	<u>Expected amount of mercury releases from waste reduced</u> About 10 %
	<u>Other measurable outcomes contributing to the progress indicators of the Waste Management Partnership Area</u> <ul style="list-style-type: none"> • The results of blood analysis - hair - urine for the target population in the study area. • The results of analysis of water and soil in the targeted areas
Replicability of the Project	<u>Mechanisms to promote utilization of experiences/knowledge from this project :</u> <ul style="list-style-type: none"> • Trainers' training • Development of guidebooks • Production of videos, • Putting the results on the website of the Ministry of State for Environment Affairs
Estimated Amount of Budget and Expected Source of Funds	<u>Estimated amount of budget</u> USD\$ 200,000
	<u>Expected source of funds/Amount of budget confirmed</u> United Nations Industrial Development Organization (UNIDO)
Implementation Structure	<u>Name of the implementing agency (including section or department) :</u> Ministry of State for Environment Affairs (Chemical Safety Department)

	<p><u>Number of staffs to be involved</u> (e.g. legal staff, technical specialist, outreach staff):</p> <ul style="list-style-type: none"> • Legal staff : 2 • Technical specialist: 20 • Outreach staff : 5
	<p><u>Experiences of the implementing agency in the relevant fields</u> (Name, overview and achievements of the previous projects):</p> <ul style="list-style-type: none"> • Preparation of the national profile for chemical safety • Preparation of the NIP (National Implementation Plan for POPs) • Preparation of the Mercury Release Inventories - Asian Pilot Project • Preparation of the Emergency Plan for Oil Pollution.
Contact Person and Organization	<p>Ministry of State for Environment Affairs – Syrian Arab Republic</p> <p>1- Engineer Adib Almasri, Director of Chemical Safety Derectorate Telefax : +963-11-231-7856, Email : almasril972@yahoo.com</p> <p>2- Engineer Eyad Ibrahim, National Contact Person of Mercury Programme Telefax : +963-11-231-7856, Email : eyad-ib@hotmail.com</p>

Title of the Project (Updated 13 Dec 2012)	3. Get on with the Light Bulbs & Fluorescent Lamps (<i>Panama</i>)
Outline of the Project	<ol style="list-style-type: none"> 1. Information on the toxic content of CFLs and fluorescent tubes by national media, visits to companies, universities and colleges nationwide. 2. Develop voluntary recovery systems of light bulbs and fluorescent tubes between the society and the private sector. 3. Establish a voluntary elimination program for major users and in conjunction with private companies that provide the service of reduction and elimination of fluorescent tubes and CFLs. 4. Present a draft Bill to the National Assembly of Deputies and in conjunction with the municipality of Panamá and San Miguelito, the National Waste Management Authority and the Ministry of Health for the integral management of mercury containing waste.
Relation with the Priority Actions of the Partnership Area	<p><u>Related priority actions:</u></p> <p><u>Priority Action A:</u> Identify and disseminate environmentally sound collection, treatment, transportation and disposal techniques/practices to reduce mercury releases from waste by following a lifecycle approach</p> <p><u>Priority Action C:</u> Promote public awareness of the hazards regarding mercury waste and support community engagement in the activities of the Waste Management Partnership</p>
Expected impacts on Target Area/Population	<p><u>Target area of the project (country, city)</u></p> <p>Three major cities (Panama, Chorrera & Arraijan)</p>
	<p><u>Estimated Number of Target Population</u></p> <ul style="list-style-type: none"> • 1,250,000 people or (50% of the population)

	<ul style="list-style-type: none"> • 70% of the total GDP <p><u>Major challenges/problems of Target Area/Population to be tackled in the project</u></p> <ul style="list-style-type: none"> • Lack of awareness on toxic waste and low recycling/segregation culture • Local and small Businesses don't like to pay for waste management. • Corruption at lower levels will disrupt the implementation of segregation schemes. <p><u>Expected impacts that would improve the situation of the Target Area/Population</u></p> <ul style="list-style-type: none"> • Multinational & CSR oriented corporation will jump into the segregation program at a faster pace. • Public will start to demand more options to properly dispose their electric & electronic waste. • Reduce in the amount of toxic waste being dumped at the local dumpster, reducing the toxicity of the waste stream and the impact on ecosystems and human health. • Develop a sound collection & management system for used fluorescent lamps & CFL's in the beginning of a new energy efficiency bill, passed in Nov. 2012. •
Achievements/Outcome Expected	<p><u>Outline of the Expected Achievements/Outcome</u></p> <ul style="list-style-type: none"> • Inform 6,000 young people and children about the damage to the health and 1 million Panamanians on the toxicity and the potential damage of the fluorescent tubes and the CFLs. • Establish at least a network of 6 collection points of fluorescent tubes and the CFLs at the national level. • Collect and remove the mercury contained in 10,000 fluorescent tubes and 2,500 CFLs annually in the next 3 years. • Draw up, submit and pass the law for the integral management of wastes with mercury in Panama in the year 2013. • Raise at least USD\$45,000 as contributions of strategic partners and sponsors to the program which represents 50% of the total investment. • Buy at least 3 lamp compactors USD\$15,000 (USD\$5,000 each- 1 per year) • Total investment : USD\$90,000 (3 years) <p><u>Expected amount of mercury diverted from waste stream:</u> Amount of Mercury contained in 10,000 fluorescent tubes and the 2,500 CFLs. (30,000 Fluorescent lamps + 7,500 CFL's)</p> <p><u>Expected amount of mercury releases from waste reduced</u> Under confirmation</p> <p><u>Other measurable outcomes contributing to the progress indicators of the Waste Management Partnership Area:</u></p> <ul style="list-style-type: none"> • Approximately 30 cubic meters of waste dispose's land will be saved.

Replicability of the Project	<p><u>Mechanisms to promote utilization of experiences/knowledge from this project:</u> (e.g. trainers' training, development of guidebooks, production of videos, establishment of website)</p> <ul style="list-style-type: none"> • Train people on seminars regarding toxic waste management. • Train people to handle the lamp compactor units. • Develop a sound system to manage large amount of lamps.
Estimated Amount of Budget and Expected Source of Funds	<p><u>Estimated amount of budget:</u> Would like to secure funding for at least USD\$10,000 annually or 1/3 of our total annual investment (USD\$30,000)</p>
	<p><u>Expected source of funds/Amount of budget confirmed:</u></p> <ul style="list-style-type: none"> • From Ecologic, S.A. & Zero Pollution Alliance (US\$5,000) • From Several alliances (US\$ 15,000)
Implementation Structure	<p><u>Name of the implementing agency (including section or department) ;</u></p> <ul style="list-style-type: none"> • Zero Pollution Alliance (Funds securement & Public Relations) • Eco Creando Foundation & Gabriela Batista (Seminars & Workshops) • Ecologic, S.A. (Funds securement, General management & toxic Waste treatment)
	<p><u>Number of staffs to be involved; (e.g. legal staff, technical specialist, outreach staff)</u></p> <ul style="list-style-type: none"> • Around 12 people will be involved in the implementation of the program. • Public Relation, Outreach (6) • General Management & Toxic Waste treatment (6)
	<p><u>Experiences of the implementing agency in the relevant fields; (Name, overview and achievements of the previous projects)</u></p> <ul style="list-style-type: none"> ■ Zero Pollution alliance Since 2006 promoting sustainability programs ● Reusable plastic bags campaign (2006-YTD) <ul style="list-style-type: none"> ➢ 12 corporations and NGO's involved ➢ 25,000 reusable bags give away ➢ 500,000 reached via traditional media ➢ 2,500 kids reached on workshops with Gabriela Batista ● "Get on the Batteries with the Batteries program (2007-YTD) <ul style="list-style-type: none"> ➢ 18 corporation involved ➢ 7.0 tons of dry batteries collected & encapsulated ➢ 13 pounds of elemental mercury collected & encapsulated ➢ 1,250,000 people reached via traditional and new media ➢ 4,000 kids & young adults reached via workshops & Seminars with Gabriela Batista ● Get on with your lamps program (2010-YTD) <ul style="list-style-type: none"> ➢ 7 large corporations involved ➢ 9,500 fluorescent & 1,500 CFL's collected & compacted ➢ 1,125,000 reached via traditional & new media

Contact Person and Organization	Jorge G. Conte Burrell, Zero Pollution Alliance Email: jconte23@yahoo.com Tel: +507 394-4921 Cel: +507 6649-3220
Title of the Project (Updated 13 Dec 2012)	4. Living in a cleaner & less toxic city (Legislation, communication, collection & neutralization of toxic wastes program) (Panama)
Outline of the Project	<ol style="list-style-type: none"> 1. Inform general public, schools and college students about the mercury containing products and its impacts on human health and the environment. 2. Run a mass media campaign to educate people about the toxicity of some consumer & industrial products, like electronic & electric products. 3. Create awareness on the toxicity of some waste and promote their segregation from common waste streams and promote cleaner alternatives. 4. Design and installation of the public collection point system. 5. Propose at the National Assembly, laws to engage all the stakeholders in sustainable education and segregation programs at national scale for electric & electronic waste.
Relation with the Priority Actions of the Partnership Area	<p><u>Related priority actions:</u></p> <p><u>Priority Action A:</u> Identify and disseminate environmentally sound collection, treatment, transportation and disposal techniques/practices to reduce mercury releases from waste by following a lifecycle approach</p> <p><u>Priority Action C:</u> Promote public awareness of the hazards regarding mercury waste and support community engagement in the activities of the Waste Management Partnership</p>
Expected impacts on Target Area/Population	<p><u>Target area of the project (country, city)</u> Panama National scale</p> <p><u>Estimated Number of Target Population</u></p> <ul style="list-style-type: none"> • 1.100.000 people will be reached using all the traditional as well as new media outlets. • 50,000 people will be reached directly with seminars, workshops, direct campaigns. <p><u>Major challenges/problems of Target Area/Population to be tackled in the project</u></p> <ul style="list-style-type: none"> • Lack of awareness on toxic waste and low recycling/segregation culture • Local and small Businesses don't like to pay for waste management. • Lobby from large corporation will avoid the law discussion and approval • Corruption at lower levels will disrupt the implementation of segregation schemes. <p><u>Expected impacts that would improve the situation of the Target Area/Population</u></p> <ul style="list-style-type: none"> • Large scale public campaigns will move larger groups to support the legislation and implementation of public collection points.

	<ul style="list-style-type: none"> • Multinational & CSR oriented corporation will jump into the segregation program at a faster pace. • Some government office will also join the programs at a voluntary agreement. • Public will start to demand more options to properly dispose their electric & electronic waste. • Reduce in the amount of toxic waste being dumped at the local dumpster, reducing the toxicity of the waste stream and the impact on ecosystems and human health. • Develop a sound collection & management system for used fluorescent lamps & CFL's in the beginning of a new energy efficiency bill, passed in Nov. 2012.
Achievements/Outcome Expected	<p><u>Outline of the Expected Achievements/Outcome (12 months)</u></p> <ul style="list-style-type: none"> • Reach 6,000 children age 8-12 • Reach 3,000 young adults age 18-25 • Reach 500,000 general public age 12-75 • Inform 15,000 public servants • Inform 50 school teachers & college professors • Install 12 public collection points for fluorescent lamps, CFLs light bulbs & electronic waste • Install 48 public collection points for dry batteries • Collect 12,500 fluorescent lamps and 2,500 CFLs • Collect 7.5 tons of used dry & rechargeable batteries • Collect 15.0 tons of electronic waste <p><u>Expected amount of mercury diverted from waste stream:</u> Amount of mercury contained in 12,500 (48 inches) fluorescent lamps and 2,500 CFLs, 7.5 tons of used dry & rechargeable batteries, and 15.0 tons of electronic waste.</p> <p><u>Expected amount of mercury releases from waste reduced:</u> Under confirmation</p> <p><u>Other measurable outcomes contributing to the progress indicators of the Waste Management Partnership Area</u> Approximately 50 cubic meters of waste dispose`s land will be saved.</p>
Replicability of the Project	<p><u>Mechanisms to promote utilization of experiences/knowledge from this project;</u> (e.g. trainers' training, development of guidebooks, production of videos, establishment of website)</p> <ul style="list-style-type: none"> • Train people on seminars regarding toxic waste management • Train people to handle the lamp compactor units • Develop of print & video of the campaign • Develop of a guide to implement these type of programs
Estimated Amount of Budget and Expected Source of Funds	<p><u>Estimated amount of budget</u></p> <ul style="list-style-type: none"> • Estimated Cost: USD\$ 100,000 • Duration: 9 months (Sept. 2012-Jan. 2013) <p><u>Expected source of funds/Amount of budget confirmed</u></p> <ul style="list-style-type: none"> • 30%(USD\$30,000):MEDCOM Corporation & Population, Environment and Development Commission • 70%(USD\$70,000):National and international funds

Implementation Structure	<p><u>Name of the implementing agency (including section or department)</u></p> <ul style="list-style-type: none"> • Zero Pollution Alliance (Funds securement & Public Relations) • Environment, human development and population commission (Legal & Technical support) • Eco Creando Foundation & Gabriela Batista (Seminars & Workshops) • Ecologic, S.A. (Funds securement, General management & toxic Waste treatment)
	<p><u>Number of staffs to be involved (e.g. legal staff, technical specialist, outreach staff)</u></p> <p>Around 30 people will be involved in the implementation of the program:</p> <ul style="list-style-type: none"> • Legal (6) • Technical (6) • Outreach (6) • Waste management (6) • Marketing & Management (6)
	<p><u>Experiences of the implementing agency in the relevant fields (Name, overview and achievements of the previous projects)</u></p> <ul style="list-style-type: none"> ■ Zero Pollution alliance Since 2006 promoting sustainability programs ● Reusable plastic bags campaign (2006-YTD) <ul style="list-style-type: none"> ➢ 12 corporations and NGO`s involved ➢ 25,000 reusable bags give away ➢ 500,000 reached via traditional media ➢ 2,500 kids reached on workshops with Gabriela Batista ● “Get on the Batteries with the Batteries program (2007-YTD) <ul style="list-style-type: none"> ➢ 18 corporation involved ➢ 7.0 tons of dry batteries collected & encapsulated ➢ 13 pounds of elemental mercury collected & encapsulated ➢ 1,250,000 people reached via traditional and new media ➢ 4,000 kids & young adults reached via workshops & Seminars with Gabriela Batista ● Get on with your lamps program (2010-YTD) <ul style="list-style-type: none"> ➢ 7 large corporations involved ➢ 9,500 fluorescent & 1,500 CFL`s collected & compacted ➢ 1,125,000 reached via traditional & new media
Contact Person and Organization	Jorge G. Conte Burrell, Zero Pollution Alliance jconte23@yahoo.com Tel: +507 391-9181 Cel: +507 6649-3220

Title of the Project	5. Enhancing Mercury Waste Inventories and Promotion of Sound Management and Storage of Mercury Wastes (<i>The Philippines</i>)
Outline of the Project	The Philippines is undertaking national consultations on the approach to environmentally sound management of mercury waste. Results of the consultations reveal the need to improve

	inventories of mercury waste generated at the household and industrial levels. The consultations also showed that a lot of people are still unaware of the danger of mercury and the need for proper handling, transport and storage. The project proposes to conduct a further inventory on household and industrial sources of mercury and developing simple advice to increase awareness on the proper handling, transport, and storage of mercury.
Achievements/Outcome Expected	<ol style="list-style-type: none"> 1. Improved inventory on household and industrial sources of mercury. 2. Integration of resulting inventory in National Approach to ESM of Mercury 3. Improved awareness and understanding of communities on dangers of mercury and need for proper handling, transport and storage.
Estimated Amount of Budget	USD\$50,000
Expected Source of Funds	UNEP, US Department of State, Zero Mercury Working Group and Ban Toxics.
Contact person and Organization	Richard Gutierrez / Ban Toxics Email: rgutierrez@bantoxics.org

Title of the Project	6. Education on mercury waste and evaluation of the background in children and professionals (medical staff) (Bizerte, Tunisia)
Outline of the Project	<ul style="list-style-type: none"> - Conferences and workshops - Knowledge evaluation related to mercury - Sources of mercury in hospitals
Achievements/Outcome Expected	<ul style="list-style-type: none"> - Scientific report : knowledge in the field of mercury waste - Scientific report : Conferences & Workshops - Study of the case of hospitals in Bizerte (Mercury contamination)
Estimated Amount of Budget	<ul style="list-style-type: none"> - USD\$4,500: Donors (IPEN, ZMWG, EEB....) - USD\$500: APEDDUB
Expected Source of Funds	Donors & APEDDUB
Contact person and Organization	Dr Najwa Bourawi / APEDDUB (Association pour la Protection de l'environnement et le Développement Durable de Bizerte)

Title of the Project	7. Orgapaint ; Study of mercury in leachate (Bizerte, Tunisia)
Outline of the Project	<ul style="list-style-type: none"> - Evaluation of mercury in rural and urban area in Bizerte - Sources of mercury : In house, hospital, school, dump
Achievements/Outcome Expected	<ul style="list-style-type: none"> - Experimental evaluation of mercury in water, air, and waste - Scientific report : Conference, & Workshops - Local strategy related to mercury contamination
Estimated Amount of Budget	<ul style="list-style-type: none"> - USD\$5,500: Donors (IPEN, ZMWG, EEB...) - USD\$800: APEDDUB
Expected Source of Funds	Donors & APEDDUB
Contact person and Organization	Dr Najwa Bourawi / APEDDUB (Association pour la Protection de l'Environnement et le Développement Durable de Bizerte)

**UNEP Waste Management Partnership Area
Draft Wish List Proposal scoring sheet (As of December 2012)**

Please fill in the column with High, Moderate, Low for each criterion. (See below for further information on each criterion)

Project Title (<i>Location</i>)	Relevance	Outcome	Cost- Effectiveness	Replicability	Implementati on Structure
1.Replicable pilot project on provincial implementation plan and introduction of BAT BEP strategies for the management of mercury and mercury containing waste (<i>Santa Fe, Argentina</i>)					
2.Sound Management of Mercury Containing Wastes (management, treatment, collection and disposal) (<i>Syrian Arab Republic</i>)					
3.Get on with the Light Bulbs & Fluorescent Lamps (Communication, collection and neutralization of fluorescent lamps & CFL's light bulbs) (<i>Panama</i>)					
4.Living in a cleaner & less toxic city (Legislation, communication, collection & neutralization of toxic wastes program) (<i>Panama</i>)					
5.Enhancing Mercury Waste Inventories and Promotion of Sound Management and Storage of Mercury Wastes (<i>The Philippines</i>)					
6.Education on mercury waste and evaluation of the background in children and professionals (medical staff) (<i>Bizerte, Tunisia</i>)					
7.Orgapaint; Study of mercury in leachate (<i>Bizerte, Tunisia</i>)					

Points to Consider for each Criterion

Relevance: Does the project's objective match the partnership area's priority actions and the needs of the target area?

Outcome: What size of impacts could be expected through the project implementation in terms of target population, amount of mercury diverted from waste stream, and amount of mercury-releases reduced?

Cost-Effectiveness: Could the project produce the outcome cost-effectively?

Replicability: Could the project be pilot for other area/population that has similar problems? Does the project generate useful tools to train others? (e.g. Capacity building frameworks, Videos, Guidebooks, Websites)

Implementation Structure: Does the project have enough human resources in terms of number of staffs to be involved and their experiences in the relevant fields?