

## 4<sup>th</sup> International E-Waste Management Network (IEMN) Workshop

### Agenda

**Monday, July 14, 2014:**

#### **Introductions and Current Status of E-Waste Management**

Hilton Hanoi Opera, Hai Phong Room

- 9:00 – 9:10 a.m.** Welcome (3 minutes each):
- Mr. Bui Cach Tuyen, *Vice Minister, Vietnam Ministry of Natural Resources and Environment (MONRE)*  
Barnes Johnson, *Director, Office of Resource Conservation and Recovery, US EPA*  
Ying-Ying Lai, *Deputy Director, Department of Waste Management, EPAT*
- 9:10 – 9:30 a.m.** Introductions *(Moderator: Nguyen Hoang Duc, VEA)*
- 9:30 – 10:30 a.m.** Introduction to E-Waste Situation in Vietnam
- (Moderator/Timekeeper: Truong Manh Tuan, VEA)*
- I) Current status of e-waste management in Vietnam and future goals,  
Local situation in Vietnamese provinces with high e-waste activity  
*Nguyen Hoang Duc or Truong Manh Tuan*
- II) Research Activities and Pilot Projects in Vietnam  
*Dr. Huynh Trung Hai, Hanoi University of Science and Technology*
- 10:30 – 10:45 a.m.** Break
- 10:45 a.m. - 12:05 p.m.** “Country Presentations”: Officials from around the world share the latest updates on e-waste management from their countries or locations
- |         |                                                                                           |
|---------|-------------------------------------------------------------------------------------------|
| Japan   | <i>Dr. Shunichi Honda, Ministry of Environment</i>                                        |
| Brazil  | <i>Beatriz Martins Carneiro, Ministry of Industry, Development and Foreign Trade</i>      |
| Nigeria | <i>Abdussalam Isa, National Environmental Standards and Regulation Enforcement Agency</i> |
| US EPA  | <i>Barnes Johnson, Director, Office of Resource Conservation and Recovery</i>             |
- 20 minutes total for each speaker (15 min. for presentation, 5 min. for Q&A)*
- (Moderator/Timekeeper: Dan Gallo, USEPA)*
- 12:05 – 1:30 p.m.** Lunch

**1:30 – 3:10 p.m.**

“Country Presentations” (continued)

EPAT *I-Hsing Chen, Deputy Section Chief, EPAT Recycling Fund Management Board*

Malaysia *Khiruddin Mohammad Idris, Ministry of Environment*

El Salvador *Miguel Araujo, Director, Centre for Basel Convention for Central American and Mexico*

Mexico *Frinee Kathia Cano Robles, National Institute of Ecology and Climate Change, Ministry of Environment*

Egypt *Adel Osman, Ministry of Environment*

**3:10 – 3:30 p.m.**

Break

**3:30 – 5:30 p.m.**

“Country Presentations” (continued)

Colombia *Carlos Hernandez, National Centre for Cleaner Production*

Indonesia *Amelia Rachmatunisa, Ministry of Environment*

Canada *Michael VanderPol, Environment Canada*

Argentina *Leila Devia, Director, Centre for Basel Convention for South America in Argentina*

Thailand *Pornpimon Chareonsong, Pollution Control Department*

Costa Rica *Jorge Valverde Quesada, Ministry of Health*

**Tuesday, July 15, 2014:**

**Training on Environmentally Sound Management of E-Waste**

Hilton Hanoi Opera, Hai Phong Room

*These training sessions will use the training materials on Environmentally Sound Management of E-Waste which were developed by the North American Commission on Environmental Cooperation (CEC). It will adapt these materials to the public sector scenario for the IEMN.*

**9:00 – 10:00 a.m.** CEC Training Module 1a: Environmentally Sound Management (ESM) Principles for E-waste

*Michael VanderPol, Environment Canada*

**10:00 – 10:30 a.m.** Q&A/Discussion on Module 1

*(Facilitator: Matt McCarron, California Department of Toxic Substances Control)*

**10:30 – 10:45 a.m.** Break

**10:45 – 11:45 a.m.** CEC Training Module 2: Environmental Health and Safety (EHS) Policy

*Michael VanderPol, Environment Canada*

**11:45 a.m. – 12:15 p.m.** Q&A/Discussion on Module 2

*(Facilitator: Christine Haun, Washington State Department of Ecology)*

**12:15 – 1:30 p.m.** Lunch

**1:30 – 2:45 p.m.** CEC Training Module 3a: Risk Assessment for Managers, Supervisors and Workers

*Frinee Kathia Cano Robles, National Institute of Ecology and Climate Change, Mexico  
Ministry of Environment*

**2:45 – 3:15 p.m.** Q&A/Discussion on Module 3a *(Facilitator: Christine Haun)*

**3:15 – 3:30 p.m.** Break

**3:30 – 4:15 p.m.** Exercise (*Break into three groups of 5-6 people each*): Documenting ESM practices that are already taking place and potential for increase in ESM in each country/location, accounting for both formal and informal sectors.

*3 Facilitators: Dr. Shunichi Honda, Japan Ministry of Environment,  
I-Hsing Chen, EPAT, and Dan Gallo, US EPA*

**4:15 - 5:00 p.m.** **Readout from small groups by group leaders**

Discussion: Which ESM principles are strongly implemented already? Which ESM principles need greater implementation? Why is that the case?

*3 Facilitators: Panah Stauffer (US EPA), Frinee Cano, and Michael VanderPol*

**Wednesday, July 16, 2014:**

**In-Depth Discussions on Environmentally Sound Management of E-Waste**

Hilton Hanoi Opera, Hai Phong Room

- 9:00 – 11:30 a.m.** CEC Training Module 4a: Risk Prevention and Minimization  
*Frinee Kathia Cano Robles, National Institute of Ecology and Climate Change, Mexico  
Ministry of Environment*
- 11:30 – 11:45 a.m.** Break
- 11:45 – 12:15 p.m.** Q&A/Discussion on Module 4a *(Facilitator: Matt McCarron)*
- 12:15 – 1:30 p.m.** Lunch
- 1:00 – 3:00 p.m.** In-depth discussion: Discuss lessons learned from training/previous years in the context of local situation in Vietnam  
*2 Facilitators: Dr. Shunichi Honda and Truong Manh Tuan*
- 3:00 – 3:15 p.m.** Break
- 3:15 – 5:00 p.m.** In-depth discussions: In all IEMN countries and locations, what can help promote ESM of e-waste? How can ESM be incorporated into local and national policies? How can incremental approaches to ESM be implemented?  
*3 Facilitators: Kuo-Shuh Fan (EPAT), Frinee Cano, and Michael VanderPol,*

**Thursday, July 17, 2014:**

**Panel Discussions on Issues of Concern**

Hilton Hanoi Opera, Hai Phong Room

- 8:00 – 8:30 a.m.** Expert Presentations: Financing E-Waste Management Programs: Administrative Costs and Costs of Private Electronics Recyclers, Extended Producer Responsibility (EPR) Systems and Incentives for Takeback  
*(Moderator: Barnes Johnson, US EPA Director of Office of Resource Conservation and Recovery)*  
*Expert Speakers (5 to 10 minutes per Speaker):*
- Jason Linnell, *National Center for Electronics Recycling (U.S.)*
  - Nguyen Hoang Duc, *Vietnam Environment Administration*
  - Professor Ssu-Li Chang, *National Taipei University*
- 8:30 – 9:45 a.m.** Group Discussion on EPR Systems and Incentives for Takeback  
*(Facilitator: Barnes Johnson)*
- 9:45 – 10:00 a.m.** Break
- 10:00 – 10:30 a.m.** Expert Presentations: Future of the CRT Recycling Industry  
*(Moderator: Dr. Shunichi Honda, Japan Ministry of Environment)*  
*Expert Speakers (5 to 10 minutes per Speaker):*
- Larry King, *SIMS Recycling Solutions (US)*
  - Frinee Kathia Cano Robles, *National Institute of Ecology and Climate Change, Mexico Ministry of Environment*
  - Priti Mahesh, *Toxics Link (India)*
- Note: USEPA does not endorse any companies or technologies related to CRT recycling.*
- 10:30 a.m. – noon** Group Discussion with CRT Experts *(Moderator: Dr. Shunichi Honda)*
- Noon – 1:15 p.m.** Lunch
- 1:15 – 2:30 p.m.** General Discussion (if needed to continue from earlier sessions)  
*(2 Facilitators: Barnes Johnson and Dr. Shunichi Honda)*
- 2:30 – 2:45 p.m.** Break
- 2:45 – 4:15 p.m.** Wrap-up and next steps  
*Moderators: Panah Stauffer (US EPA), Justin Harris (US EPA), I-Hsing Chen (EPAT)*