Working Group  4
E-waste Management
Presentation in WG 4

- E-waste issues in Asia
- Introduction of the overall Progress of Asia-Pacific e-waste project
- Development of Regional Technical Guidelines for E-waste Inventory and ESM 5R of E-waste
- Standards System of Waste Products Recovery in China
- International Recycling Network of Mobile Phone in Asia Region
Presentations in WG 4

• Home Appliances Recycling Law in Japan
• Policy Direction on E-waste Recycling in Korea
• China’s Circular Economy: Treatment of E-waste
• E-waste Management: Thailand Experience
• Discussion points for the internationally-harmonized EPR
• E-waste management in India
Improvement of Domestic Management Schemes (1)

• What type of E-waste are generated in each country?
  – Several estimation are conducted in Japan, Korea, China, India and so forth.
  – Guideline for inventory is being developed by BCRC-SEA. Some countries in Southeast Asia are making inventory, supported by SBC.

• What are the problems associated with E-waste?
  – Environmental pollution, impact on health, unless they have good facilities.
Improvement of Domestic Management Schemes (2)

• What kinds of measures are introduced for e-waste management in each country?
  – Mandatory: Japan, Korea
  – Partnership: Thailand
  – Voluntary: Fuji-Xerox

• What mechanism exits especially for the recycling electronics home appliances?
  – Legal: Japan, Korea
  – Informal: China, India and other countries
Improvement of Domestic Management Schemes (3)

- Two major problems for constructing new systems
  - Collection
    - Recycling companies with environmentally sound technology often face shortage of e-waste, because of informal recycling.
    - Need participation of stakeholders.
  - Recycling facility
    - We need network of recyclers such as dismantling facility, non-ferrous refinery, plastic recyclers, glass recyclers and so forth.
- We need standard or guideline for evaluating recycling facilities and introducing certification system.
  - BCRC-SEA are making Guideline for 5R (3R + repair and refurbishment)
- Options for countries lack of technology
  - Improvement of existing recyclers, informal recyclers
  - Technology Transfer, Foreign Direct Investment
  - Export to foreign recyclers.
Promotion of International Effort (1)

- Two contradict observation
  - International trade of e-waste going to shame recycling, or improper recycling
  - State of art recycling with transboundary movement.
- What kind of international collaboration is possible to solve transboundary issues of E-waste?
  - Strict the enforcement of regulation of transboundary movement of hazardous waste.
  - Standard to distinguish secondhand electronics and e-waste should be developed.
  - Promoting good recyclers which has good facilities.
Promotion of International Effort (2)

• What kind of international collaboration is possible to solve trans-boundary issues of E-waste?
  – Policy harmonization,
  – Sharing experiences,
  – Training
  – Technology transfer

• How should EPR be applied to the situation of increasing trans-boundary movement of products?
  – Further discussion is necessary on harmonizing EPR.