

Consideration of ESM of hazardous waste and other waste under 3R Framework

Prof. Jinhui Li, Executive Secretary
Basel Convention Coordinating Center for Asia & the Pacific
Tel: 86 10 -279 4143; E-mail: jinhui@tsinghua.edu.cn
June 29, 2009



Main Contents

- ❖ ESM and minimization of hazardous waste and other waste under the Basel Convention
- ❖ Activities by BCRCs in Asia & the Pacific
- ❖ Conclusion



Status of Basel Convention

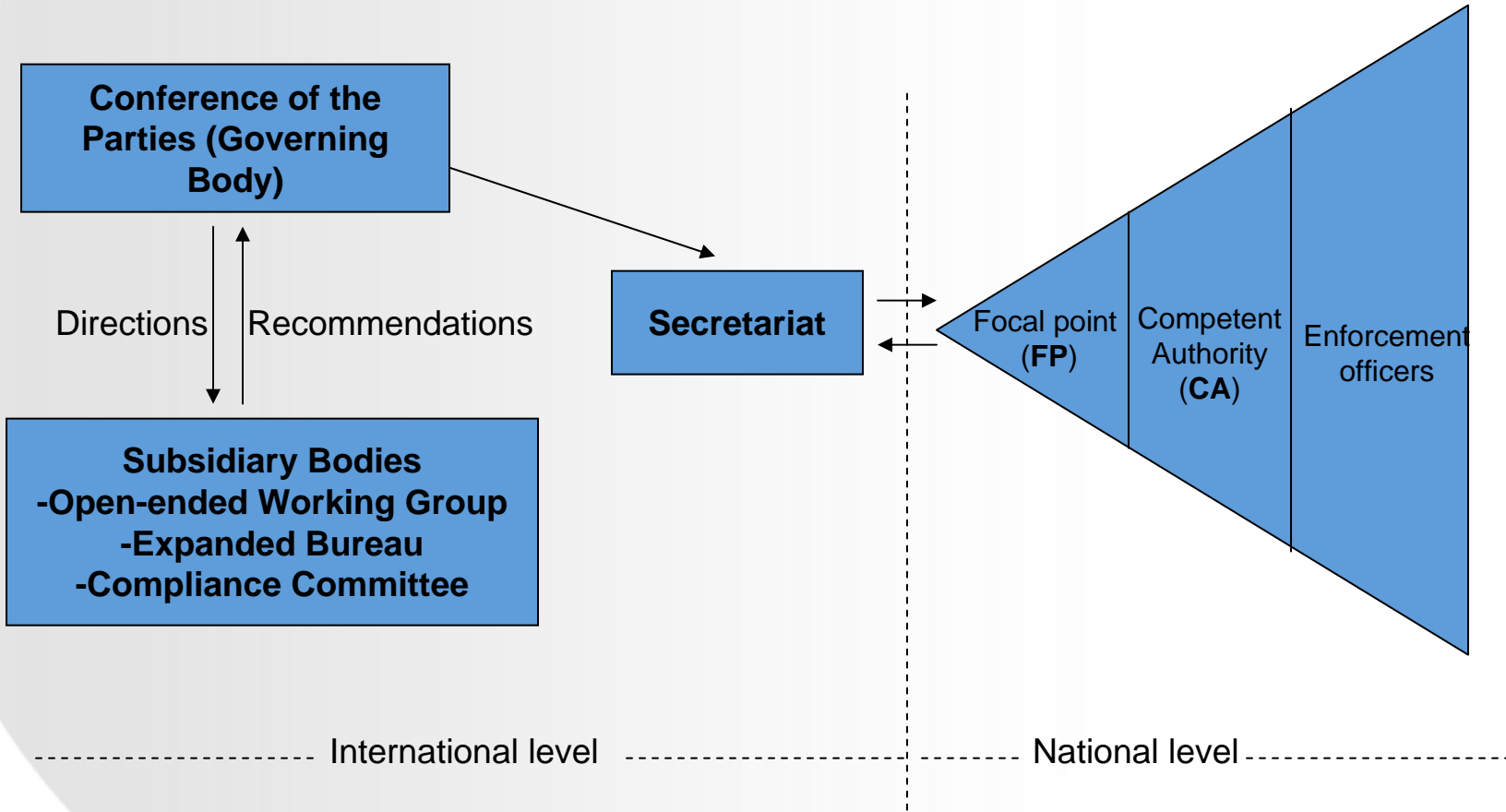
human health!!!

- ❖ Parties to the Basel Convention:
 - Total number : 172
 - Asia: 42 among 48 Asian countries
- ❖ Ban Amendment Ratification:
 - Total number: 65
 - Asia: 14 countries among 42 parties
- ❖ 3 Basel Convention Regional Centers in Asia and 1 Center in the South Pacific Region
- ❖ It aims to protect human health and the environment against the adverse effects resulting from the generation, management, transboundary movements and disposal of hazardous and other wastes.

* [As of May 2009](#)



Implementation Framework of Basel Convention





ESM Under Basel Convention

- ❖ **“Environmentally sound management of hazardous wastes or other wastes”** means taking all practicable steps to ensure that hazardous wastes or other wastes are managed in a manner which will protect human health and the environment against the adverse effects which may result from such wastes (Art.2)
- ❖ **The Convention obliges its Parties** to ensure that Hazardous and other wastes are managed and disposed of in an environmentally sound manner (ESM, Art.4.2)

DISPOSAL OPERATIONS

A. OPERATIONS WHICH DO NOT LEAD TO THE POSSIBILITY OF RESOURCE RECOVERY, RECYCLING, RECLAMATION, DIRECT RE-USE OR ALTERNATIVE USES

B. OPERATIONS WHICH MAY LEAD TO RESOURCE RECOVERY, RECYCLING RECLAMATION, DIRECT RE-USE OR ALTERNATIVE USES





Transboundary Control Under BC

- ❖ Each Party shall take the appropriate measures to ensure that the transboundary movement of hazardous wastes and other wastes is reduced to the minimum consistent with the environmentally sound and efficient management of such wastes; (Art.4.2)
- ❖ Each Party shall require that hazardous wastes or other wastes, to be exported, are managed in an environmentally sound manner in the State of import or elsewhere. (Art. 4.8)
- ❖ Not allow the export of hazardous wastes or other wastes, if it has reason to believe that the wastes in question will not be managed in an environmentally sound manner, according to criteria to be decided on by the Parties at their first meeting; (Art.4.2)

other wastes!!!



Minimization of Waste Under BC

- ❖ **Each Party shall take the appropriate measures to ensure that the generation of hazardous wastes and other wastes within it is reduced to a minimum, taking into account social, technological and economic aspects;(Art.4)**
- ❖ **To minimize the quantities that are moved across borders**, to treat and dispose of wastes as close as possible to their place of generation and to prevent or minimize the generation of wastes at source.



Regional Activities by BCRCs

- ❖ **The Basel Convention Regional Centres (BCRCs) :14**
 - Argentina, China, Egypt, El Salvador, Indonesia, Iran, Nigeria, Senegal, Slovak Republic, Russian Federation, South Africa, SPREP, Trinidad & Tobago and Uruguay.
- ❖ **Functions of BCRCs**
 - Training;
 - Technology transfer;
 - Information;
 - Consulting;
 - Awareness-raising.



Activities at Regional level --BCRC China

- ❖ Study on the Import/Export Management of Waste in Asia, 2008-2009
- ❖ Organizing national training workshops on the Import/Export Management of Waste in Qingdao and Hainan in 2003
- ❖ Provide support to training programs on Green Customs in Butan and Shanghai.



Activities at Regional Level --BCRC China

Projects

- ❖ 2008-2009, the Import/Export Management of E-Waste and used EEE, Secretariat of Basel Convention
- ❖ 2007-2009, Collection and Treatment Schemes for E-waste, Regional Office of Asia and the Pacific, United Nations Environment Programme
- ❖ 2003-2005, Survey of the Import and the Environmentally Sound Management of Electronic Wastes in Asia-Pacific Region, Basel Convention Trust Fund
- ❖ 2003-2005, New Partnership with Local Authorities for the Environmentally Sound Management of Hazardous and Other Wastes in Urban Areas, Basel Convention Trust Fund
- ❖ 2003-2005, Information Network in Asia-Pacific Region on Hazardous Waste Management, Basel Convention Technical Cooperation Fund



Activities at Regional level -- BCRC China

Workshops

- ❖ November 5-7, 2008, The Third International Conference on Waste Management and Technology, Beijing, China
- ❖ November 3-4, 2008, Regional Workshop on E-waste Identification toward the Prevention of Illegal Transboundary Movement for Hazardous Waste and Other Wastes in Asia, Beijing, China
- ❖ March 28-29, 2007, Regional Workshop on Prevention of Illegal Transboundary Movement for Hazardous Waste in Asia, Beijing, China
- ❖ July 18-19, 2007, The Second International Conference on Waste Management and Technology, Beijing China
- ❖ May 31-June 1, 2005, International Conference on Management, Policy, Treatment and Disposal Technology of Hazardous Waste, Beijing China
- ❖ December 12~19, 2004, Regional Forum on New Partnership for the Environmentally Sound Management of Urban Hazardous Wastes



Activities at Regional level -- BCRC China

- ❖ **Technical support to implementation of Basel Convention in China**
- ❖ **Policy support**
- ❖ **Policy research**
- ❖ **Technology study and demonstration**
- ❖ **Capacity building**



Activity at Regional level -- BCRC China

Policy support

- ❖ Formulating “Pollution Control Technology Policy of Hazardous Waste”
- ❖ Formulating “ Identification Guideline on Solid Waste”
- ❖ Support to amend “ Solid Waste Pollution Prevention Law”
- ❖ Formulating “Management Method on Hazardou Waste Export Permission”
- ❖ Formulating “Treatment and Utilization Pollution Control Technolgy Policy of Waste Household Appliance”
- ❖ Support to compile “ E-waste Pollution Control Management Method”
- ❖ Support to formulation of “Circulation Economy Law”



Activities at Regional level -- BCRC China

Policy research

- ❖ 2008-2009, Management of Transboundary Movement of Hazardous Waste, Ministry of Environmental Protection of China
- ❖ 2007, Research on Management Policy of E-waste, Science and Technology Association of China
- ❖ 2007-2010, National environmental management decision-making support for key technology research project - E-waste recycling technology and risk research, Ministry of Science and Technology of China
- ❖ 2007-2009, The study on the recycling of waste household appliances and the environmental supervision, Ministry of Environmental Protection of China



Activities at regional level -- BCRC China

Technology research and demonstration

- ❖ 2006-2010, Cleaner Production and Circular Economy Model of the Key Technology and Research Project - Suzhou Urban Circular Economy Development Model and Pilot - the Whole Set of Recycling Technologies on E-waste and Engineering pilot, Ministry of Science and Technology of China
- ❖ 2006-2008, Demonstrate Project of E-waste and Other Wastes Recycle in Suzhou New and Hi-Tech Industrial Development Zone, Jiangsu Provincial Science and Technology of China
- ❖ 2007-2009, Collection and Treatment Schemes for Electronic Waste, AFRED Showcase Project



Activities at Regional level -- BCRC China

Capacity Building :

- ❖ Organizing national Training Course of Hazardous Waste Management, Beijing, China, June 23-24, 2005.
- ❖ Organizing national training on environmental management for enterprises of generating or treating of hazardous waste, Beijing China, November 22-24, 2006
- ❖ National Training on Environmental Management of Hazardous Waste, Beijing China, October 25-26, 2007
- ❖ National Training on Environmental Management of Hazardous Waste, Beijing China, November 13-14, 2008

Use current mechanism to promote 3R!!!



Conclusion

- ❖ **Bear in mind human health and the environment when promoting 3R**
- ❖ **Considering the responsibility on waste ESM and transboundary control**
- ❖ **Make full use of the current BCRCs to promoting 3R**



Thank you for your
attention!

Get More information from:

<http://www.basel.int>

<http://www.bcrc.cn>