

Activities Conducted by BCRC China for promoting ESM in Asia



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Introduction of BCRC China



Introduction of BCRC China

- BCRC China is established in 1997, and is **one of the 14 Regional and Coordinating Centres** of the Basel Convention globally. In May 2009, BCRC China has been endorsed as one of the 16 Stockholm Convention Regional Centres for Capacity building and the Transfer of Technology.
- Core functions include training, information sharing, awareness raising, consulting, and technology transfer, to assist the developing countries to implement BC and SC in Asia and the Pacific.
- BCRC China has gradually formed its advantage in management policy and technology, capacity building and information exchange in waste and chemicals, consisting of over thirty full-time staff with doctor or master's degrees, and part-time technical team formed by tens of professors and experts. About 230 international, regional and domestic projects have been conducted.



Honors of BCRC China include 2011 Stockholm Convention's PEN Awards-information Champion, 2012 Bronze Award of SAICM, 2016 Tripartite Environmental Ministers Meeting Award, etc.



Structure of BCRC China

29 Full Time
Stuff

1. General
Management Unit

2. Regional Waste
Management Unit

3. Regional
Chemicals
Management Unit

4. Environmental
Technology Unit

1. Professors on
Environmental
Issues

2. Associate and
Assistant
Professor

3. Master and Ph.
D. Candidates

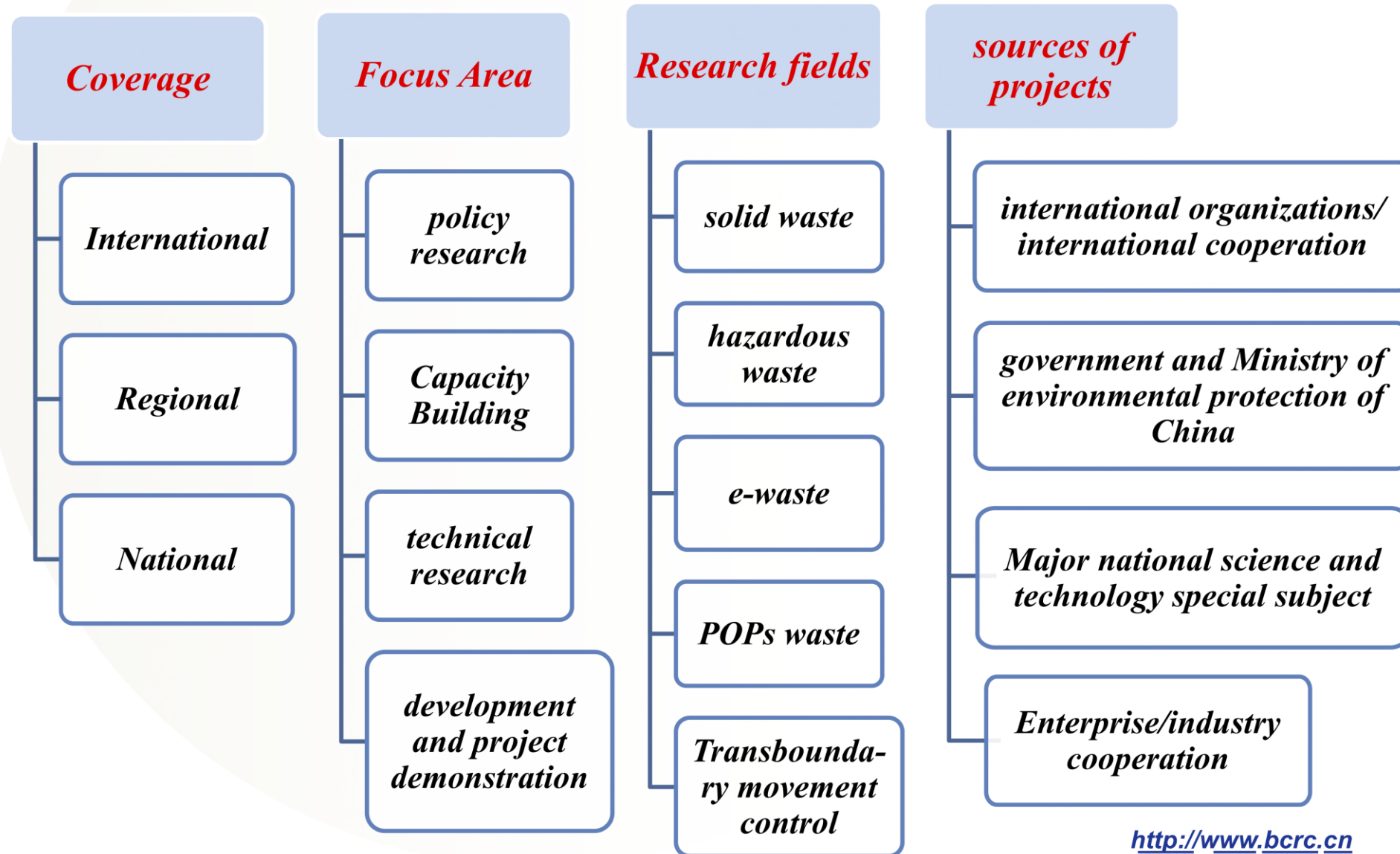
Part Time
Supportive
Resources



Activities related to ESM/ TBM



Activities related to ESM/ TBM





Cooperative Partners





Activities related to ESM/ TBM

Prof. Li Jinhui, Executive Director of BCRC China, is member of the experts working group on ESM in the Asia and the Pacific Region.

Working with the guidelines development such as:

- Guidance to assist Parties in developing efficient strategies for achieving the prevention and minimization of the generation of hazardous and other wastes and their disposal
- E-waste technical guideline
- Technical Guidelines on specially engineered landfill (D5) and on incineration on land (D10)



Activities related to ESM/ TBM

Participation in Chinese policy formulation related to ESM/TBM, such as:

- The Technical Policy of Pollution Control of Waste Household, Electrical Appliances and Electronic Product (Draft);
- The Technical Policy of Pollution Control of Hazardous Waste(Draft);
- Guidance on the Implementation of the Extended Producer Responsibility System(Draft);
- Administrative Measures for Examination and Approval of the Export of Hazardous Wastes(Draft)



Research and Projects related to ESM/ TBM

- ❖ Promoting Environmentally Sound Co-processing of Hazardous Wastes in Industry Kilns in Selected Countries in Asia;
- ❖ Pilot Test Project on the Manual of Permits, Licenses or Authorizations and Fact Sheet on Waste Lead Acid Batteries and Waste Oils;
- ❖ Capacity-Building for the Environmentally sound management (ESM) and control of transboundary movements on hazardous wastes and E-waste;
- ❖ Capacity-Building for Environmentally Sound Management (ESM) of Polybrominated Diphenyl Ethers (PBDEs) and Their Waste in Selected Asia-Pacific Countries;
- ❖ Research on the environmentally sound management(ESM) of hazardous wastes and capacity-building on the control of transboundary movements of e-waste;
- ❖ The assessment of the status of e-waste recycling in selected countries in the Asia-Pacific region and facilitating the environmentally sound management(ESM) of e-waste;
- ❖ Capacity-Building on Environmental Sound Management(ESM) of PBDE and their waste in parts of Asia-Pacific region;
- ❖ Project to promote the environmentally sound management(ESM) of and better implementation of the Basel Convention and other multilateral environmental agreements in relation to asbestos wastes in the Asia and Pacific region, especially in China;
- ❖ Assessing the environmentally sound management status of used lead-acid battery recycling and identifying priority actions in selected countries in Asia



Published articles related to ESM/ TBM

- ❖ Li Jinhui, Zheng Lixia, Zeng Xianlai, Liu Hao, et al. Tool for the Environmentally Sound Management. Chemical Industry Press, 2011.
- ❖ Jinhui Li*, Nana Zhao, Xue Liu, Xiaoyang Wu. Promoting environmentally sound management of polybrominated diphenyl ethers in Asia [J]. Waste Management & Research. 2014, 32(6) : 527–535.
- ❖ Shunichi Honda, Jinhui Li, Mercury in E-waste Environmentally Unsound Disposal. Asia Pacific Tech Monitor, 2008:16-22.J
- ❖ inhui Li, Zhao Weifeng, Shun'ichi Honda. Basic Information Analysis on the Import and the Environmentally Sound Management of Electronic Wastes in Selected Asian Countries. 4th I-CIPEC. Kyoto, Japan. September 26-29, 2006: 663-666.
- ❖ Jinhui Li. The environmentally sound management of POPs wastes [J]. Proceedings of Organic Chemistry strategic environmental pollution and environmental sustainability frontier, 2006:26-35.
- ❖ Jinhui Li*, Nana Zhao. Controlling Transboundary Movement of Waste Electrical and Electronic Equipment by Developing International Standards. Environmental Engineering Science, 2010, 27(1):3-11.
- ❖ Jinhui Li, Huafeng Liu, Keli Yu, Hao Liu. Current status and trend of E-waste by taking examples of Asia-Pacific countries. Conference on E-waste management and transboundary movements. 2006:18-31.



Case Study



Promoting Environmentally Sound Co-processing of Hazardous Wastes in Industry Kilns in Selected Countries in Asia

Background:

Properly controlled co-processing of wastes in industry kilns for energy and materials recovery offers an environmentally sound recovery option for many waste materials, particularly in developing countries that have little or no waste management infrastructure and strive for greater self-sufficiency in hazardous waste management.



Promoting Environmentally Sound Co-processing of Hazardous Wastes in Industry Kilns in Selected Countries in Asia

Objectives:

- To produce a video training course on Best Available Techniques/Best Environmental Practices(BAT/BEP) in co-processing of hazardous wastes in industry kilns;
- To develop national feasibility schemes/plans to promote environmentally sound co-processing of hazardous wastes in industry kilns for two selected project countries;
- To provide a practical example of how Parties to the Basel Convention may use the Basel Convention technical guidelines on the environmentally sound co-processing of hazardous waste in cement kilns, and receive feedback on the guidelines;
- To disseminate the video training course and discuss sessions learnt in developing the feasibility schemes/plans in a regional workshop.



Promoting Environmentally Sound Co-processing of Hazardous Wastes in Industry Kilns in Selected Countries in Asia

Main Activities:

- Produce a video training course on BAT/BEP in co-processing of hazardous wastes in industry kilns;
- Select two project countries in the region interested in developing a national feasibility scheme/plan to promote environmentally sound co-processing of hazardous wastes in industry kilns;
- Provide the necessary logistical and administrative support for the national consultants to undertake their work;
- Organize a 1 day national workshop in 2 countries to discuss the findings and validate the developed feasibility schemes/plans to promote environmentally sound co-processing of hazardous wastes in industry kilns



Capacity-Building for ESM of PBDEs and Their Waste in Selected Asia-Pacific Countries

Executive Summary:

This project responds to requests to assist Parties in the implementation of their obligations under the Chemicals and Waste Multilateral Environment Agreements; especially in meeting obligations in relation to newly listed persistent organic pollutants, i.e., PBDE. The project build upon the core activities within the project to support MEA implementation and a regional GEF project.

Stakeholders:

BCRC China, the China-ASEAN Center for Capacity building and the governments of Cambodia, Laos, Pakistan, Sri Lanka and Mongolia, MEA secretariats, UN Agencies, NGOs and Civil Society



Capacity-Building for ESM of PBDEs and Their Waste in Selected Asia-Pacific Countries

Activity	Content	Partner
Activity 1	Establish an information platform on PBDEs management and operational activities	BCRC/SCRCAP, CAEC
Activity 2	Generate awareness on PBDEs management	BCRC/SCRCAP, CAEC; stakeholders in participating countries
Activity 3	Undertake and accomplish a feasibility study on separation of PBDEs containing waste from the general waste stream	BCRC/SCRCAP, CAEC; stakeholders in participating countries
Activity 4	Training workshop	All partners/stakeholders

The 14th International Conference on Waste Management and Technology (ICWMT 14)

To Build A Zero-Waste Society

Date: March 21st to 24th, 2019

Conference Venue: Beijing, China

Host Tsinghua University;

Solid Waste and Chemicals Management Technology Center, Ministry of Ecology and Environment of the People's Republic of China;
United Nations Environment Programme;
Stockholm Convention Regional Centre for Capacity-building and the Transfer of Technology in Asia and the Pacific.

Organizer Basel Convention Regional Centre for Asia and the Pacific;

The Society of Solid Waste, Chinese Society for Environmental Sciences;
Research Institute of Soil and Solid Waste Management, Chinese Research Academy of Environmental Sciences.



<http://2019.icwmt.org>



Thank you for listening

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