



Updates of Activities Conducted by BCRC China



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Basel Convention Regional Centre for Asia and the Pacific

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<http://www.bcrc.cn>



Contents

1 BCRC China Introduction

2 Information and Platforms

3 Training and Workshops

4 Research and Projects

5 Development and Future Plan

01

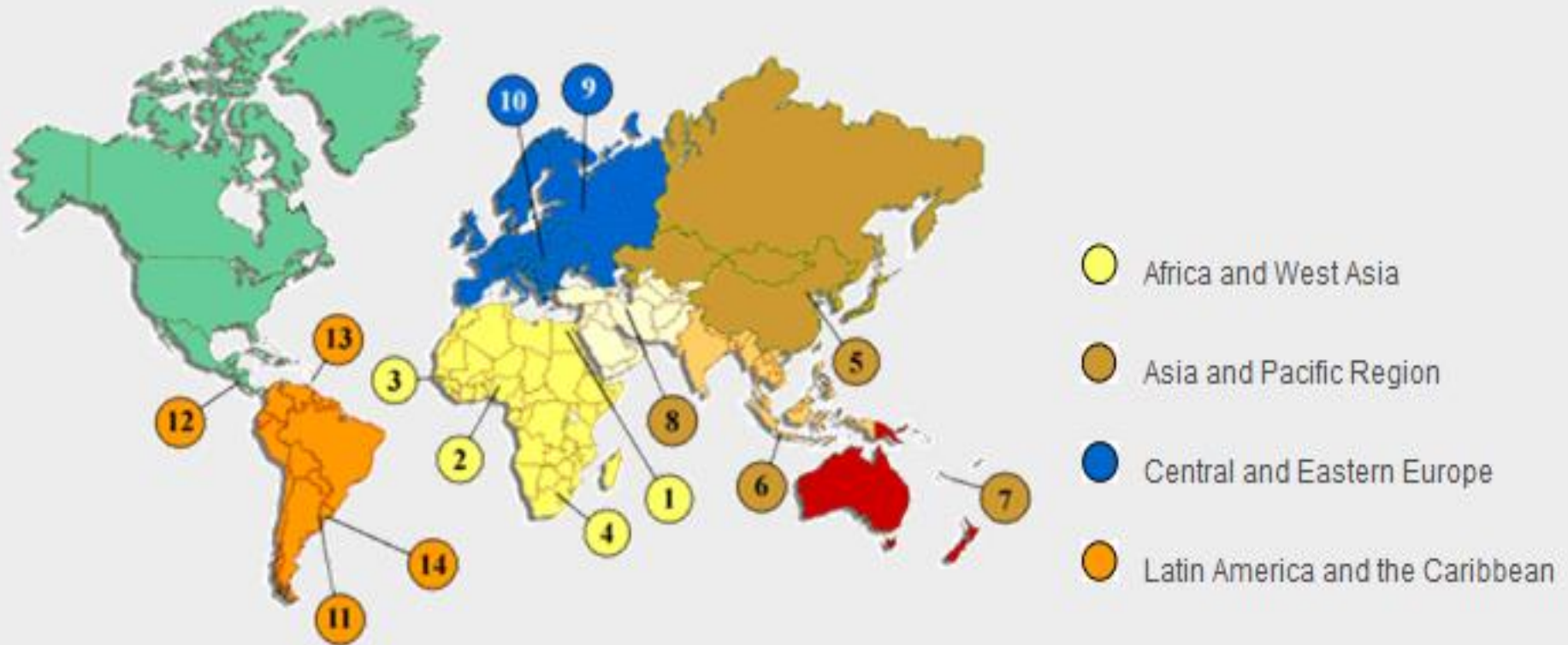
BCRC China Introduction



<http://www.bcrc.cn>



BCRC China



⑤: BCRC China

One of the 14 Basel Convention Regional and Coordination Centres

➤ *More than 28 countries have accepted services by BCRC China*



Functions and Roles

Function

- Training , Information
- Awareness Raising, Consulting
- Technology Transfer

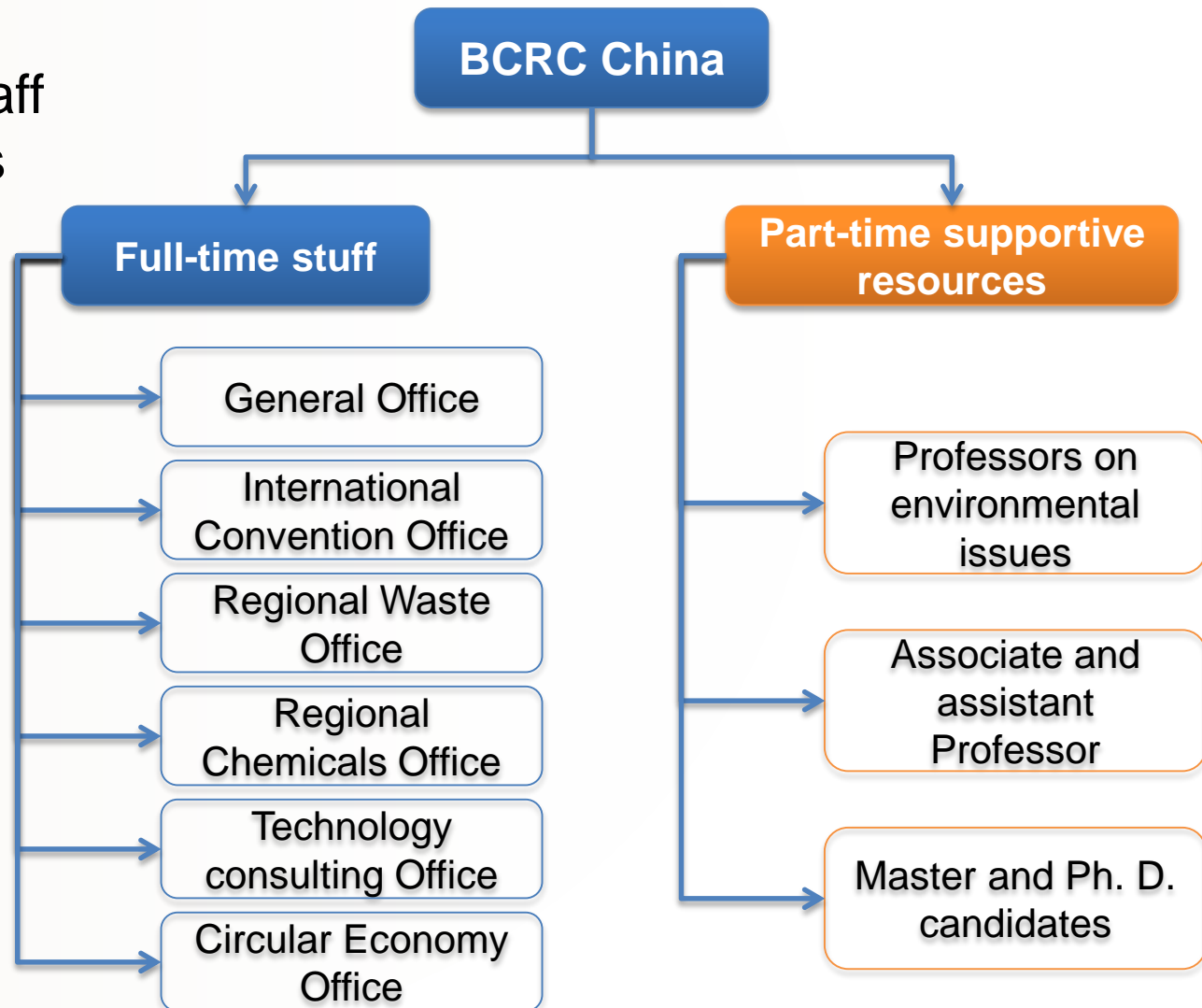
Regional Role

- To assist the developing countries to implement BC in Asia and the Pacific through all kinds of activities.



Structure of BCRC China

- 29 full-time staff
- 7 post-doctors



02

Information and Platforms



Information Platform



- **Website of BCRC China:** includes three sub-website: BCRC, SCRC and Chinese version; specific topics is set such as e-waste, PCBs, PBDEs.
- **BC info platform:** an information platform for the implementation of Basel Convention in the Asia and Pacific region, aimed to promote the regional information exchange and cooperation among the Parties and countries.
- **International newsletters** on BC and SC have been published monthly and delivered to parties and stakeholders in the world.





International Communication Platform



- Initiated by BCRC China, the **International Conference on Waste Management and Technology** has been held 10 times since its inception in 2005.
- More than 500 delegates from nearly 30 countries participated in the 2015 conference (ICWMT 10).

- Topic: e-waste, hazardous waste, industrial solid waste, contaminated sites, circular economy, POPs waste, etc.

ICWMT
2016

Green · Low-carbon · Circular · Development

<http://2016.icwmt.org>

Date: October 21-24, 2016 Venue: Beijing, China



Online Training Platform

巴塞尔公约亚太区域中心
Basel Convention Regional Centre for Asia and the Pacific

斯德哥尔摩公约亚太地区能力建设与技术转让中心
Stockholm Convention Regional Centre for Capacity-building and the Transfer of Technology in Asia and the Pacific

在线培训平台
Online Training Platform

亚太地区信息交流计划
Information Exchange Program in the Asia-Pacific Region

国家固体废物培训计划
National Solid Waste Training Plan

环境学院信息交流计划
School of Environment Information Exchange Program

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- Target audience: waste management authorities, enterprises and researchers in China and AP region.
- Contents: most aspects on management and treatment of solid waste.

- Chinese platform: more than 100 videos online.
- English platform: more than 20 videos uploaded.
- More than 1000 members registered.

Technical Support Platform for Regional Implementation of Basel Convention



- Technical internship: officers from Parties in AP region, 2-3 months.
- To date, 6 officers from Pakistan, Nepal, Laos, Cambodia, Sri Lanka and BCRC Africa has finished their internship.
- In 2016, 2 delegates from DPR Korea are invited for internship.



03

Training and Workshops





Training and workshop

Coverage	<ul style="list-style-type: none">➤ International➤ Regional➤ National
Focus area	<ul style="list-style-type: none">➤ Hazardous waste➤ E-waste➤ POPs.....
Quantity	<ul style="list-style-type: none">➤ More than 60 meetings➤ More than 3000 participants➤ More than 50 countries





Typical Training and workshop

BASEL FORUM IN ASIA-PACIFIC REGION ON PROMOTION OF BASEL CONVENTION IMPLEMENTATION

Initiated by BCRC China, Korea Basel Forum and National Institute for Environmental Studies of Japan in 2013.

Objective : To provide one unofficial information exchange platform on Hazardous Waste and E-waste management for institutions of Asia-Pacific Region states.

Activities:

- 1st Basel Forum: 25 Oct. 2013, Shanghai, China, 15 participants; Topic: e-waste Transboundary movement.
- 2nd Basel Forum: 30 Oct. 2014, Beijing, China. 21 participants; Topic: the legal system on transboundary movement management of e-waste.
- 3rd Basel Forum: 3 to 5 Sep. 2015, Seoul, Korea. 50 participants. Topic: E-waste management, definition of waste.
- **4th Basel Forum: 3 Oct. 2016, Kyoto, Japan. Upcoming..**





Typical Training and workshop

CUSTOMS TRAINING WORKSHOPS CO-ORGANIZED BY UNEP, GACC AND BCRC CHINA



- ❖ **“Training Workshop on Prevention and Control of Illegal Transboundary Movement of Wastes/E-waste”**
 - 26-30 August 2013, Vietnam, China
 - About 45 (Haiphong) and 60 (Sanya) attendees
- ❖ **“National Green Customs Training Workshop for Customs Officers”**
 - 24-25 July 2014, China
 - About 65 attendees

- Experience sharing
- Information exchange
- Key issues discussion



BASEL CONVENTION



GACC

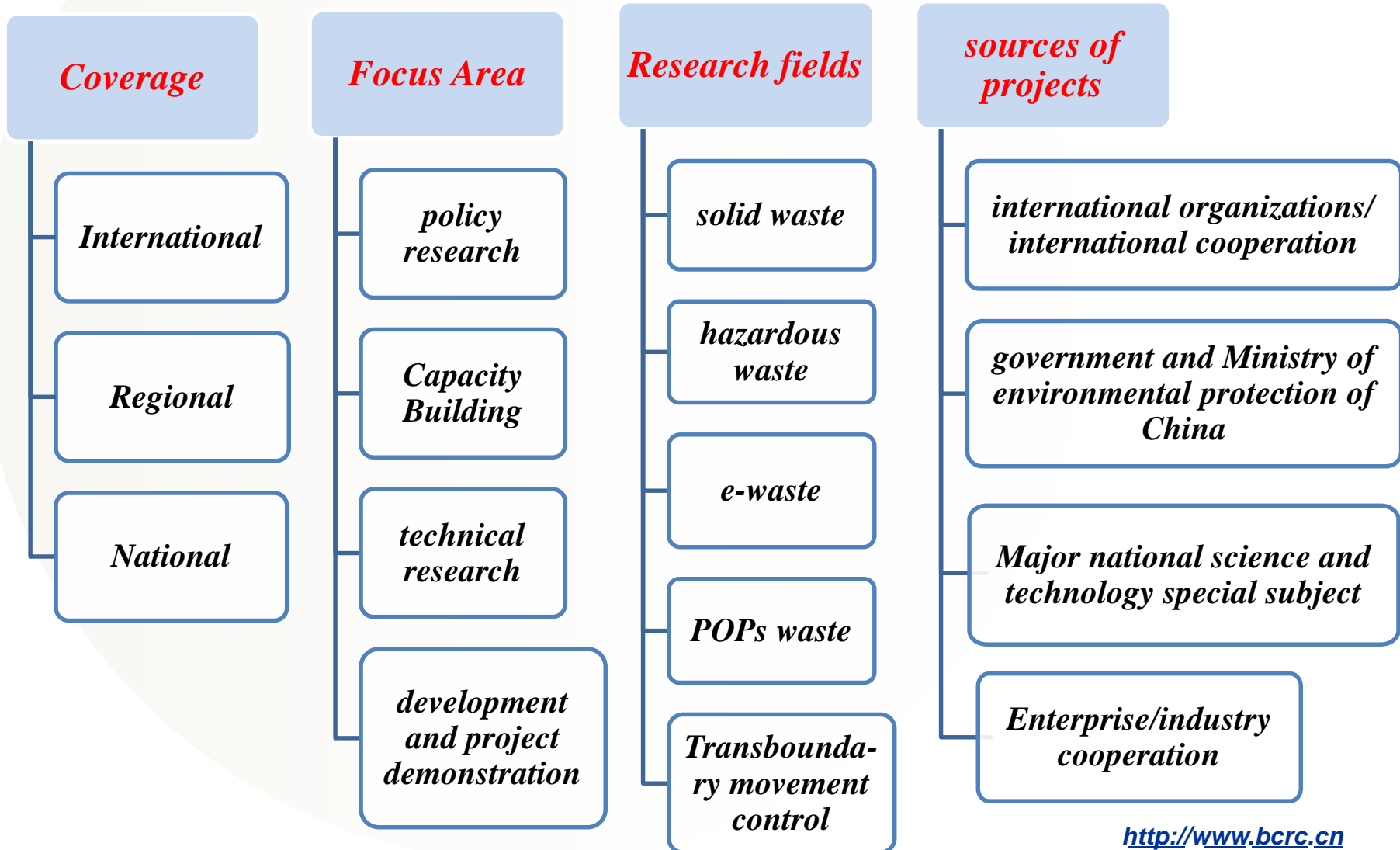
04

Research and Projects





Main Fields





E-Waste

- ❖ China Fluorescent Lamps collection and treatment demonstration project, EU-China ESP, 2013-2016
- ❖ Study on the Best Environment Practices of Producers on E-Waste Management (Case study on Mobile Phone), 2015-2016
- ❖ **Assessing the Status of E-waste Recycling in Selected Countries in the Asia-Pacific Region and Facilitating the Environmentally Sound Management of E-waste, The secretariat of Basel Convention, 2014**
- ❖ Study on the “The Regulations for the Administration of Recycling and Treatment of Waste Electric and Electronic Equipment ”and supporting policies in China, Ministry of Environmental Protection of China, 2011-2013.
- ❖ Studying the Labour, Human Health and Environment Dimensions of the E-waste Management Sector in China, International Labour Organization, 2011
- ❖ Development of a Public-Private Partnership for E-waste Collection, the Secretariat of Basel Convention, 2010-2011.



E-Waste

Assessing the Status of E-waste Recycling in Selected Countries in the Asia-Pacific Region and Facilitating the Environmentally Sound Management of E-waste

- **Background:**
Rapid growth in e-waste amounts; Lack of policies and legislation on ESM of e-waste; Need to analyze gaps and priority areas/activities.
- **Objectives:**

To identify the status of laws and regulations, standards, technologies and facilities relating to e-waste in selected countries (Cambodia, China, India, Mongolia, Pakistan, Sri-Lanka and Vietnam) in the Asia-Pacific region

To analyze the gaps/needs in order to propose priority activities/areas

To facilitate the environmentally sound management of e-waste in the Asia-Pacific region in the near future



E-Waste

➤ Activities:

Activity 1: Study on the criteria on ESM of e-waste and compilation of the status of legal frameworks, technologies and facilities in the area of e-waste in project countries

Activity 2: Analysis, stakeholder consultation and synthesis of the information on status and management of e-waste



E-Waste

➤ Progress and outcome:

- **Country status on legislation:**

- **China** has formulated numerous laws and regulations pertaining to e-waste management, forming a relative perfect system;
- **Cambodia** has Law on Environmental Protection and Natural Resources Management; Sub-Decree on Solid Waste Management and the guideline on ESM of waste electrical and electronic equipment;
- **Pakistan** has the basic environmental law—— Environmental Protection Act of 1997, and the sections applicable to e-waste recycling activities;
- **India** has one special law to guide management of e-waste, which came into force in 2012 ;
- The rest of countries (**Sri Lanka, Mongolia and Vietnam**) have no special regulations or policies dealing with this issue.



E-Waste

➤ Progress and outcome:

• **Country status on recycling capacity:**

- E-waste dismantling technology in **China** mainly includes TV, Computer, Washing Machine, Air Conditioner and Refrigeration ;
- Currently **Sri Lanka** does not have a comprehensive E waste recycling facility;
- In Ulaanbaatar city of **Mongolia**, 45.1% of total electrical and electronic waste is being reused, 23.0% is being recycled and 31.9% is disposed;
- There is no exclusive municipal collection and transportation system for E-waste in **Cambodia**;
- The **India's** E-waste management system is not formally developed.
- In **Pakistan**, the collected electronic and electric wastes are dismantled and sorted manually to fractions such as printed wiring boards, cathode ray tubes (CRT), cables, plastic, metals and batteries ;
- There are some facilities owned by former state waste recovery and treatment enterprises in **Vietnam**, which conduct the collection, manual dismantling and separation of e-waste



E-Waste

➤ Progress and outcome:

• **Identified gaps/needs:**

- **China:** should strengthen the facility closure plan, such as site decommissioning plan and site remediation plan in respects of environmental management and risk assessment ;
- **India:** lack of motivation of the top management; lack of authorized recycling facilities; lack of trained personnel; lack of collection centres;
- **Sri Lanka:** lack of policy and awareness; lack of treatment equipment and disposal technology; lack of e-waste recycling infrastructure.
- **Mongolia:** need to develop a top management commitment to a systemic approach, and top management commitment to health and safety and stable recycling channels of e-waste; need to develop the treating and disposal technology of e-waste.
- **Vietnam:** dismantling of LCDs and CRT monitors need improved; record-keeping, surveillance and performance measurement and competency training, corrective action and transparency should be enhanced.



E-Waste

➤ Progress and outcome:

- **Identified gaps/needs:**

- **Pakistan:** Establishment of E-waste collection, exchange and recycling centers should be encouraged in partnership with private entrepreneurs and manufacturers ; Policy level interventions should include development of E-waste regulation, control of import and export of e-wastes and facilitation in development of infrastructure.
- **Cambodia:** main problem areas associated with the environmentally sound management of e-wastes are dismantling, sorting, collecting and legitimate transport to the recycling plants. These problems are exacerbated because of the inadequate knowledge and understanding of the people working in the sector of the potential health risks to themselves and the environment damage caused by the e-wastes.



Hazardous Waste



Management and Policy Research

- ❖ EU-China Environmental Sustainability Programme: China Fluorescent Lamps Collection and Treatment Demonstration Project, 2013-2016.
- ❖ Technical Policy of Pollution Prevention and Control on Hazardous Waste, MEP of China, 2013.
- ❖ Assessment of Hazardous Recycling and Disposal capacity in Suzhou China, EPB of Suzhou, 2014

Technology Research

- ❖ Heavy Metal Recycling and Control Technique Joint Research, Dong-jiang Environmental Company Limited, 2010-2013
- ❖ Research and demonstration of treatment technology of Chlorinated organic industrial waste, 2012-2014
- ❖ Research on risk assessment indicators and technology of underwater Pollution in hazardous waste disposal site, 2011-2013
- ❖ **Promoting Environmentally Sound Co-processing of Hazardous Wastes in Industry Kilns in Selected Countries in Asia, 2016-2017**



Hazardous Waste

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.

➤ Objectives:

- to demonstrate how environmentally sound management of hazardous waste can be done through co-processing in cement kilns ; and
- to assist developing countries that wish to explore the possibilities of this technology as a means for countries that have little or no waste management infrastructure to strive for greater self-sufficiency in hazardous waste management.



Hazardous Waste

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

➤ **Activities:**

To develop feasibility schemes/plans to promote ESM in co-processing of hazardous waste in industry kilns in selected countries.

To develop a video course on BAT/BEP in co-processing of hazardous wastes through industry kilns.

To provide feedback on the Basel Convention technical guidelines on the environmentally sound co-processing of hazardous wastes in cement kilns

To organize a regional workshop on the promotion of environmentally sound co-processing of hazardous wastes in industry kilns in the Asia and Pacific region.

In progress: signing contract; selecting 2 countries

05 Development and Future Plan



PRELIMINARY STRATEGIC PLAN OF BASEL CONVENTION REGIONAL CENTRE FOR ASIA AND THE PACIFIC FOR 2014-2020



First Meeting of Steering Committee of Basel Convention Regional Centre for Training and Technology Transfer for the Asia and Pacific Region

In 2014, the Steering Committee of Basel Convention Regional Centre for Training and Technology Transfer for the Asia and Pacific Region, gives its initial approval of the preliminary strategic plan (2014-2020) of BCRC China, and recommends BCRC China to modify and present it for further discussion at the next Steering Committee meeting of BCRC China, which will be held this Oct.

The logo of BCRC China, featuring a stylized 'B' in blue and green, and a stylized 'C' in yellow and blue.

I. Strategic goals

By 2020, significantly strengthen the capacity-building for the implementation of Basel Convention of BCRC China ; upgrade the level of assistance to implement Basel Convention for the parties of Basel Convention in Asia and the Pacific region; enhance the international influence of BCRC China in the field of environmentally sound management of wastes and chemicals.

II. Objectives

- Strengthen the technical support and improve the capacity building for regional implementation of Basel Convention.
- Enhance the communication and cooperation with related countries, and conduct a wide range of activities to improve the capacity building for implementing Basel Convention.
- Promote regional coordination and cooperation, and improve the cooperation with related international organizations.
- Promote the Implementation of Basel Convention and the synergy with other Conventions, and develop areas of strength.

THANKS

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