





Activities in response to plastic waste and e-waste by BCRC China

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Basel Convention Regional Centre for Asia and the Pacific Stockholm Convention Regional Centre for Capacity-building and the Transfer of Technology in Asia and the Pacific





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1. Basic Information of BCRC China



14 Basel Convention Regional and coordination Centres 4 in Asia and Pacific Region

SCRC



More than **28** countries in Asia-Pacific have received services.

16 Stockholm Convention Regional Centres
5 in Asia and Pacific Region

- BCRC China is established in 1997. 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.
- At the joint COPs in 2015 and 2019, an overall performance assessment of 14 BCRCs and 16 SCRCs were conducted for the first and second time. BCRC China and SCRC-China each obtained the full scores (100%) and were assessed as "Excellent". This performance result tied for first place of all the BCRCs and SCRCs.

1. Basic Information of BCRC China

Function

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

International

• To assist the convention implementation through all kinds of activities.

Regional

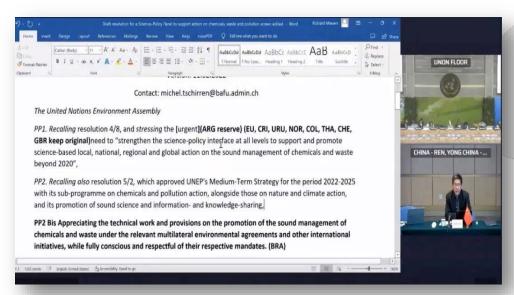
• Convention, management strategy and policy studies, technology transfer, information exchange networks, public awareness raising and capacity-building activities, and cooperation with UN agencies to assist countries in the region in implementing the Convention

National

• Technical support and convention implementation support for MEE China, carry out hazardous waste strategic research and training, and set up thinktanks.

Contributing to UNEA 5.2 and Basel Convention

• From February 21st to 25th, February 28-March 2, 2022, BCRC China participated the UNEA 5.2 negotiation As the members of the Chinese delegation, and BCRC China have made strong contributions to reaching the global agreement on ending plastic pollution.

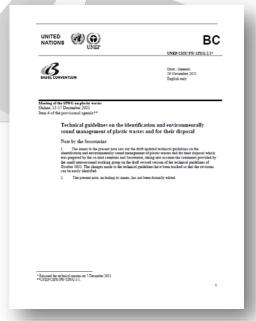


Plastic Waste Partnership

Basel Convention

on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal

 3 staffs are the members of Plastic Waste Partnership (PWP) working group under the Basel Convention.



BCRC China is nominated by MEE as the cochair to revise "Technical Guidelines for Environmentally Sound Management of Plastic Wastes and for their disposal" under the Basel Convention.

Technical guidelines on the environmentally sound management of plastic wastes

(2002, DECIDING to update according to BC-14/13, Draft updated version of October 2021)

- Leading country:
 - ✓ China (Nana Zhao, Assistant Director of BCRC China)
 - ✓ Japan
 - ✓ the United Kingdom of Great Britain and Northern Ireland

The SIWG held its online meetings after COP14.

Second meeting of the small intersessional working group on the technical guidelines on plastic wastes
Online, from 13 December to 18 December 2021

First meeting of the small intersessional working group on the technical guidelines on plastic wastes
Online, from 14 December to 19 December 2020

UNITED NATIONS





United Nations Environment Programme

GENERAL UNEP/CHW.6/21

23 August 2002

Distr.

ORIGINAL: EN GLISH



CONFERENCE OF THE PARTIES TO THE BASEL CONVENTION ON THE CONTROL OF TRANSBOUNDARY MOVEMENTS OF HAZARDOUS WASTES AND THEIR DISPOSAL

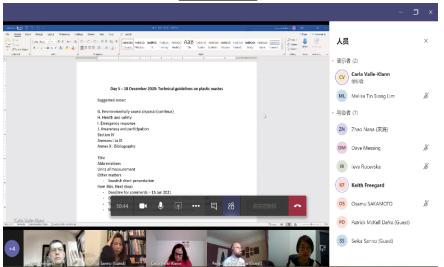
Sixth meeting Geneva, 9-13 December 2002 Item 6 (e) (ii) of the provisional agenda*

CONSIDERATION OF THE IMPLEMENTATION OF THE BASEL CONVENTION

TECHNICAL MATTERS: PREPARATION OF TECHNICAL GUIDELINES

Technical guidelines for the identification and environmentally sound management of plastic wastes and for their disposal

Note by the secretariat



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onsideration of the OEWG-12 meeting

2022.4

Apr. 4-6, 2022
OEWG12 face-to-face segment reviewed the draft revised technical guidelines



Pj: Sino-Norwegian Cooperation Project on Capacity Building for Reducing Plastic and Microplastic Pollution (SINOPLAST)

Source: Norwegian government

Country of project implementation: China

Project duration: 2019.1~2022.12

Activities:

- 1) Baseline for litter, plastic waste and microplastics for China;
- 2) Environmental monitoring capacity of litter and microplastics;
- 3) Reduced amount of litter and plastics in selected catchments;
- 4) A management tool for plastic measures, transport and fate;
- 5) Cost-benefit and social impacts analysis carried out for a suite of identified measures;
- 6) Increased capacity and awareness on plastic waste and pollution in China.

Pj: Sino-Norwegian Cooperation Project on Capacity Building for Reducing Plastic

and Microplastic Pollution (SINOPLAST)



- Totally 10 reports have been completed under the SINOPLAST project.
- ✓ Interlaboratory comparison (ILC) report
- ✓ International experiences-EU and Norway
- ✓ Sanya Xidao social economic study
- ✓ Management tool for plastic waste in Sanya
- ✓ LCA on courier delivery packaging and agriculture mulching film
- ✓ BAT/BEP in pilot city





- Hosted or participated in:
 - **✓** 6 meetings/conferences
 - √ 4 workshops
 - √ 13 fieldwork/labwork





 Dr. Chen Yuan was interviewed by CCTV, which is a good opportunity to spread the outcomes of SINOPLAST.



A special plenary session arranged during the ICWMT 16 organized by BCRC China



SCRCAP NEWSLETTER

Stockholm Convention Regional Centre for Capacity-building and the Transfer of Technology in Asia and the Pacific

Signing Ceremony of MOU of SINOPLAST and Seminar on Practice on Plastic Reduction in Zero-Waste Cities were Held in Shenzhen

On November 17-18, 2021, Signing Ceremony of MOU of Sino-Norwegian cooperation project on capacity building for reducing plastic and microplastic pollution (SINOPLAST) and Seminar on Practice on Plastic Reduction in Zero-Waste Cities were successfully held in Shenzhen, Guangdong, 33 participants from Shenzhen government, resent chiral titutes, demonstration enterprises of "Zero-Waste City" and SINOPLAST partners attended the meeting, Over 60 participants attended the meeting online. The meeting was organized by BCRC China and Shenzhen Bureau of Ecology and Environment, and supported by Ministry of Fostow and Frevironment, and supported by Ministry of Fostow and Frevironment of China (MFE).

Mr. Xuefeng Wen, Director of Division of Solid Waste Department, Department of Solid Waste Department, Department of Solid Waste Department, Department of Solid Waste and Chemical of MEE, Mr. Zhong Wen, Vice Director of Shenzhen Bureau of Ecology and Environment, and Mr. Christoffer Gronstad, the Environmental Counselor of Royal Norwegian Embassy in Beijing, delivered opening speeches for the event. Mr. Weiqiang Lin, Director of Division of Solid Waste and Chemical, Shenzhen Bureau of Ecology and Environment hosted the opening ceremony. Witnessed by Ministry of Ecology and Environment hosted the opening reference.

Zhong Wen, Vice Director of Shenzhen Bureau of Ecology and Environment, and Ms. Yuan Chen, Chief of the Regional Chemicals Management Branch, BCRC China (no behalf of Mr. Jihniu Li, Executive Director of BCRC China), signed Memorandum of Understanding of Project on capacity building for reducing plastic and microplastic polition. The MOU aims to make full use of advantages of both sides in solving marine plastic waste and microplastics, and to facilitate Shenzhen to reduce the plastic waste by carrying out SINOPLAST demonstration activities.

In the keynote report session, Dr. Yuan Chen, project manager of SINDPLAST of the Chinese side, briefly introduced SINOPLAST project and its progress, Mr. Welqiang Lin introduced the construction of "Zero-Waste City" in Shenzhen, and Professor Daoji Li from Eastern China Normal University introduced coping strategies for marine plastics and microplastic pollution. Then, SINOPLAST project partners introduced the project progress on the aspects of zero-waste city construction plans, policy and technology of environmentally sound management of plastic waste, scientific studies on plastic reduction plans and standardization of microplastic monitoring.



Number 129 • October 2021

CRCAP NEWSLETTER

BCRC China Reported Progress of SINOPLAST Project at Norway China Development and Environment Cooperation Annual

SCRCAP Activities

On October 22, 2021, BCRC China/SCRCAP participated in Norway China Development and Environment Cooperation Annual Consultation of 2021 held at Royal Norwegian Embassy in Beijing. The consultation was moderated by Norwegian Development Counsellor Mr. Knut Arild honstad and Division Director Ms. Zhao Jie from Ministry of Commerce, PRC. Representatives from China Council for International Cooperation on Environment and Development (CCICED) Foreign Environment Cooperation Centre of Min istry of Ecology and Environment (FECO), BCRC China/SCRCAP and Chinese Research Academy of Environmental Science attended the consultation and made progress report on five Sino-Norwegian cooperation projects

Dr. Yuan Chen, Chief of the Regional Chemicals Management Branch, BCRC China/SCRCAP and technical assistant Weivu Lin attended the consultation on behalf of the project team of Sino-Norwegian cooperation project on capacity building for reducing plastic and microplastic polution (SINOPLAST). Dr. Yuan Chen reported progress and future plan of the project. Mr. Christoffer Grenatad, the Environment Counselior of Norwegian Embassy in Beijing appreciated the outcomes of the project so far and BCRC China/SCRCAP's important role in communicating cutting-edge scientific findings and technology for environmental protection domestically and internationally. The Chinese side and the Norwegian side exchanged updates on priorities in global environment cooperation and possible new projects between the countries, and general concerns about project review, budget, financial risk management, Covid-19 risk management and cross-cutting issues.



Outcomes and activities are the main news included in the NEWSLETTER compiled by BCRC China each month and disseminated to all the potential partners globally.

Pj: Capacity Building on Environmentally Sound Management of Single-use Plastic and its Waste in Asia-pacific Countries

Source: SGP, BRS Secretariat

Countries of project implementation: Cambodia, Myanmar, Sri Lanka

Project duration: 2021.1~2022.12

Objectives:

- 1) Establish inventory and standards for sing-use-plastic and its waste in Asia-pacific countries;
- 2) Propose the policy options for single-use-plastic and its waste in Asia-pacific countries;
- 3) Develop Regional strategy on single-use plastic and its waste.

• Asia-pacific countries' priorities and challenges

waste are being studied. Development of a regio

Pj: Capacity Building on Environmenta	Ily Cound	Managament of			
	LUCOHIII IV	Type of Restricted Single-use-plastics			
Single-use Plastic and its Waste in Asia-	Cambodia	Banned plastic products:			
8	(Sub-Decree No.	• Import, local production or use of plastic carrying bags of thickness ≤ 0.03			
	168 GNKR.BK)	mm or with a base width ≤ 25 cm or 10 inches.			
Progress		Fee on:			
		Plastic bag requested by customers at supermarket and commercial centres.			
 A list of single-use plastic products that have b 					
has been proposed for each of the three participa	Myanmar	Priority items for policy actions:			
nus scent proposed for each of the three puritope	(Plastics Policy	Plastic bags;			
• Life-cycle assessment for most commonly SUP	Options and	Sachets used for on-the-go tea/coffee and toiletries;			
	Roadmap)	Crisps and sweets packages;			
progress.		Fishing gear;			
• Cambodia has completed a public satisfaction s		Styrofoam/EPS food packaging;			
<u> </u>		Plastic straws, drink stirrers, cutlery and chopsticks sleeves;			
understanding of SUPs and responses to the cou		Plastic cups, lids and bottle.			
• Existing policy massures taken worldwide to rec	Sri Lanka	Banned plastic products:			
• Existing policy measures taken worldwide to rec	(The National	Use of PET and PVC for agrochemical packaging in process, trade;			
have been reviewed. A report on case study on s	Environment Act,	Manufacture, sale and use of PE food wrappers, and PE products of thickness			
SUPs and a report on comparison of SUP conti	No. 47 of 1980)	≤ 20 μm;			
been drafted.		Manufacture, sale and use of HDPE grocery bags for in country use;			
occii dianca.		• Use of plastic sachets of net volume ≤ 20 ml or net weight ≤ 20 g (except for			

packing food and medicines);

treatment).

Manufacture and sale of EPS food containers, plates, cups and spoons;

Cotton buds with plastic stems (except plastic cotton buds used for clinical

Pj: Analysis of regulations on transboundary movement of plastic waste and their implementation in Asia

Source: BRS Secretariat

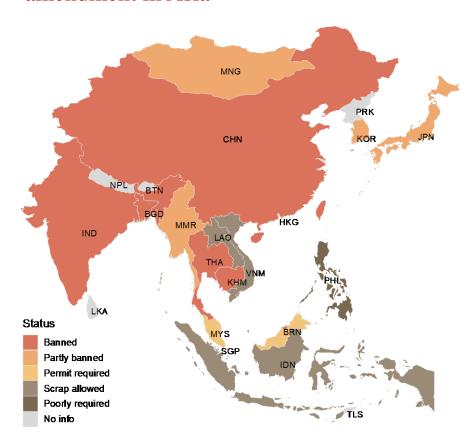
Countries of project implementation: China, Cambodia

Project duration: 2022.4~2023.6

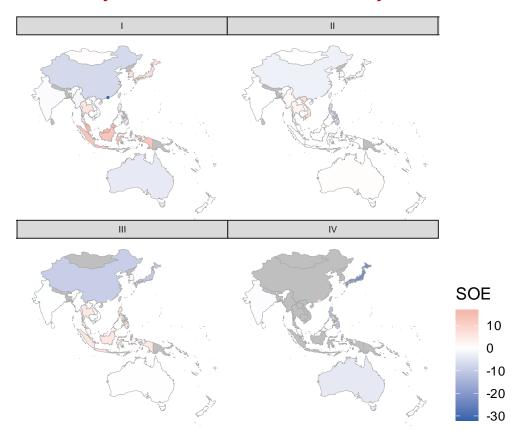
Objectives: The project aims to provide understanding of the legal frameworks governing the transboundary movements (TBM) of plastic waste in South East Asia and the impact of the plastic waste amendments on such frameworks. It also seeks to identify good practices for implementing and enforcing such frameworks. The project aims to build capacity at the national level (China and Cambodia) and in the region on these topics that are central to implementation of the Basel Convention and the environmentally sound management of plastic waste.

Pj: Analysis of regulations on transboundary movement of plastic waste and their implementation in Asia

Policy analysis of the implementation of the amendment in Asia



Effectiveness of the plastic waste amendment in Asia by constant market share analysis

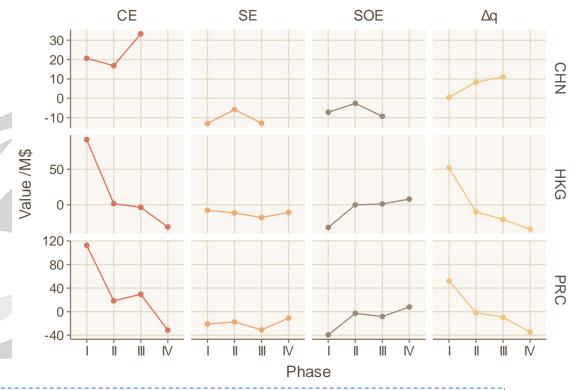


Pj: Analysis of regulations on transboundary movement of plastic waste and their

implementation in Asia

➤ By 2021, the net weight of plastic waste trade in the A&P has decreased by 75.3%, and trade value has declined by 70.5% since 2017.

- The rates of decrease in the net weight and trade value of the A&P region both significantly increased from 2019 to 2021, which are 14.7% ~ 35.5% and 15.6% ~ 25.3%, respectively.
- Insofar to 2021, the import net weight / trade value of China's mainland had been slashed by 97.1% / 92.6%, and that of Hong Kong was 85.5% / 93.9%.



- The Waste Import Ban issued in 2018 **significantly affected** plastic waste's import and export of China's mainland and Hong Kong, **largely slashed** the need for plastic waste import in the A&P region.
- The Plastic Waste Amendment implemented in 2021 **further suppressed** the import and export of plastic waste in China, undermining the competition of Hong Kong.

Pj: Capacity building and awareness raising on ESM of e-waste under the Basel Convention

- Activity 1: Translation of materials related to the model workshops and compilation of documents
- Activity 2: Awareness raising activities in conjunction with household waste separation training
- Activity 3: Testing of one PACE ESM guidelines and optimisation of the whole process
- Activity 4: E-waste regional workshop for national authorities in e-waste management sectors and recycling facilities in the Asia-Pacific region.



Title	文件名	中文级	英文板	下數网址
Revised guideline on environmentally sound testing, refurbishment and repair of used computing equipment	度旧电缆设备无害环境测试、翻新和 维修订正准则	4	4	
Revised guideline on environmentally sound material recovery and recycling of end-of-life computing equipment	关于报废计算机设备的元音环境材料 国收和再循环的准则	4	4	PACE
Documents developed by the Partnership for Action on Computing Equipment Annex I: Guidance document on environmentally sound management of used and end-of-life computing equipment Annex III: Report on project experiences and lessons learned based on the outcome of the pilot projects	无害环境管理的指导文件"; 附件三"根据试点项目的选条,报告 项目的选验和教训"	4	4	http://www.basel.int /Implementation/Tech micellassistance/Part merships/Followente/ ACE/PATSandWPIdoom
Report with ESM criteria recommendations	元書环境管理 (BSM) 标准建议	4	4	
Partnership for action on computing equipment project 5.1: Report on strategies, actions and incentives to promote environmentally sound management of end-of-life-computing equipment	计算机设备行动伙伴关系项目 5.1 《促进无害环境管理的故略、行动和 激励措施》	4	4	ents/tabid/8982/Defa ult.asnx
Manua: on Steps to Establish and Implement Environmentally Sound Management for Used and Waste Computing Equipment: (1) 5 Steps to ESM for governments (2) 5 Steps to ESM for the private	关于建立和实施使旧计算机设备无害 环境管理的步骤等局 (1)。政府无害环境管理的五个步 摄 (2)。私宫部门无害环境管理的五 个步骤	4	4	

Guidance document on the environmentally sound management of and end-of-life mobile phones Guideline on the Refurbishment of U Mobile Phones (Revised and Approve Draft). Mobile Phone Partnership Guideline on Material Recovery an Recycling of End-of-Life Mobile Pho (Approved Draft). Mobile Phone Partnership Initiative Project 3. Guideline on the Awareness Raising Design Considerations (Revised an Approved Draft). Mobile Phone Partnership Initiative Project 4. Guideline on the Collection of Us Mobile Phones (Approved Draft). Mob Phone Partnership Initiative Project Glossary of Terms

巴塞尔公约亚洲太平洋地区培训和技术转让区域中心

4. National activities

Pj: Revision of "Technical Specifications for Pollution Control of Waste Plastics"

Source: Ministry of Ecology and Environment of China

Activities:

- 1) investigate recycling and disposal situation of plastic waste in China;
- 2)revise the technical specifications adopted 2007, including generation, collection and transportation, pre-treatment, recycling, incineration, and co-processing, also with the environmental requirements for the enterprises.

This standard specifies the pollution control and environmental management requirements for the production, collection, transportation, storage, pretreatment, recycling and disposal of waste plastics.

The standard has been issued on May 31, 2022



中华人民共和国国家生态环境标准

HJ 364—2022 代替 HJ/T 364—2007



Technical specification for pollution control of plastic waste 本电子版为正式标准文本,由生态环境部环境标准研究所审校排版

2022-05-31 发布

2022-05-31 实施

生态环境部发布

4. National activities

"Zero waste city" is a new development concept featuring innovation, coordination, green, openness and sharing. By promoting the formation of **green development** and lifestyle, it continuously promotes the reduction of solid waste from sources, accelerates resource utilization, minimizes the amount of waste be landfilled and the environmental impact from waste.

Plastic waste is one of the important component in waste management of cities.



Pilot phase: 11+5. BCRC China in charge of Sanya City, Baotou City, Beijing economic development region, China-Singapore Tianjin Eco-City



14th-Five-year: 113+8. BCRC China in charge of Sanya City, Suzhou City, Beijing economic development region, Zhengzhou City, etc.

5. Activities on going

Supporting Zero-waste city construction

 In November 2021, MOU between BCRC China and Shenzhen Ecology and Environment Agency was signed



Technical Guidelines on Management of Plastic Waste and Recycled Plastics (Draft)

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Ш.		Guidance on the distinction between waste and non-waste
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		Identification of solid waste according to the source of generation
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	a.	
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	c.	
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	c.	-1
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