



The role of regional centres in mainstreaming of science in the implementation of the Basel, Rotterdam and Stockholm Conventions

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Outline

- 1. BCRCs/BCCC and BCRC China**
- 2. From Science to Action: Three Cases**
- 3. Role of Regional Centres**



1. Regional Centres



- 14 Basel Convention Regional/coordinating Centres
- 16 Stockholm Convention Regional/subregional Centres

Function

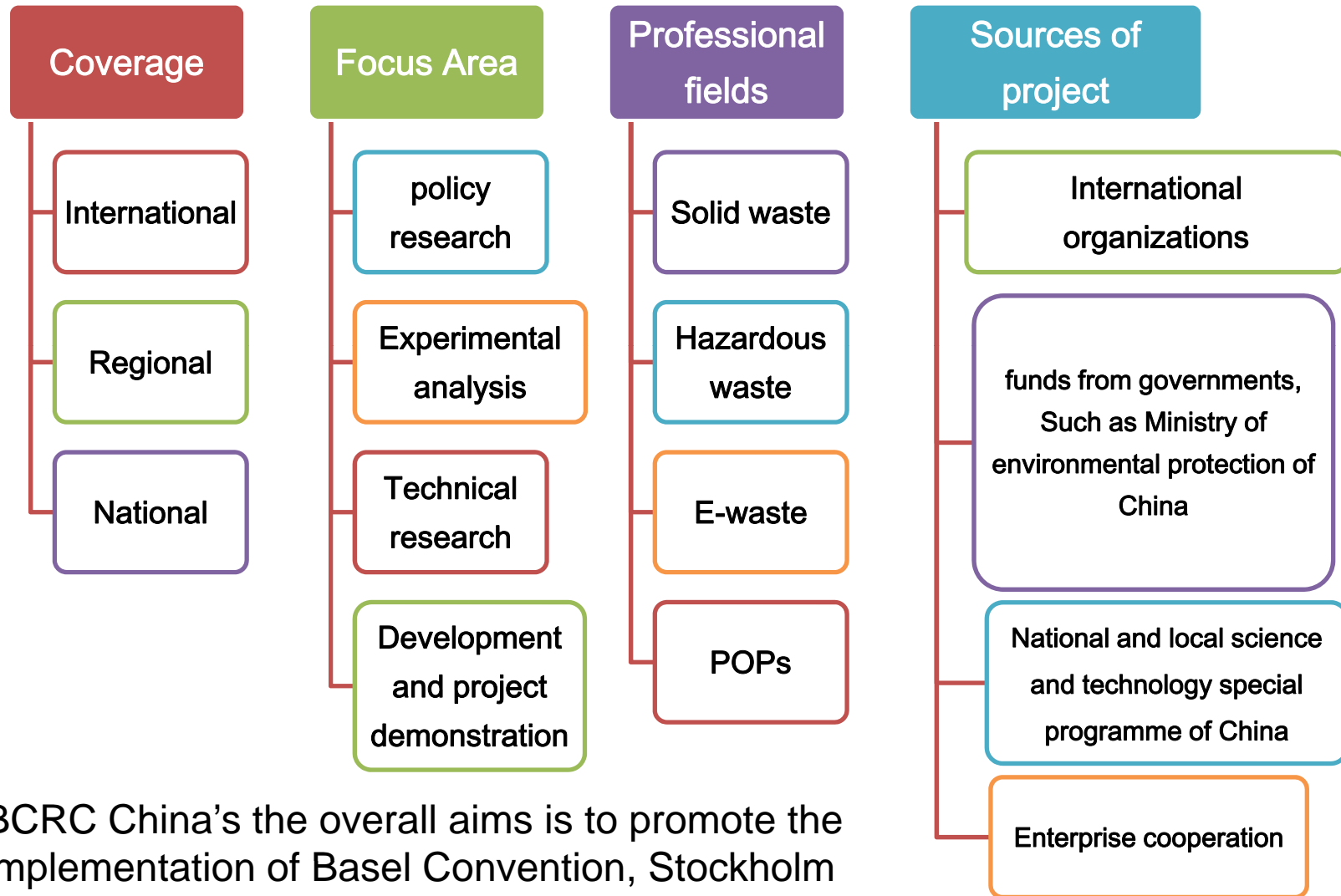
- Training , Information
- Awareness Raising, Consulting
- Technology Transfer

BCRC China
SCRCAP

Regional Role

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

1. Projects of BCRC China



BCRC China's overall aim is to promote the implementation of Basel Convention, Stockholm Convention and other related international agreements in Asia & the Pacific.

2. Mercury Control -- China Fluorescent Lamps collection and treatment

Case 1

- Fluorescent lamps (FLs) are rapidly replacing the traditional incandescent bulbs in recent years because of the energy-saving attribute and long lifespan.
- An important disadvantage of FLs is that they contain milligram quantities of mercury.
- Mercury is a human toxicant metal found throughout the environment.
- With very little collection and recycling, most waste fluorescent lamps (WFLs) end up in the municipal solid waste stream.



tubular fluorescent lamps



circular fluorescent lamps



compact fluorescent lamps

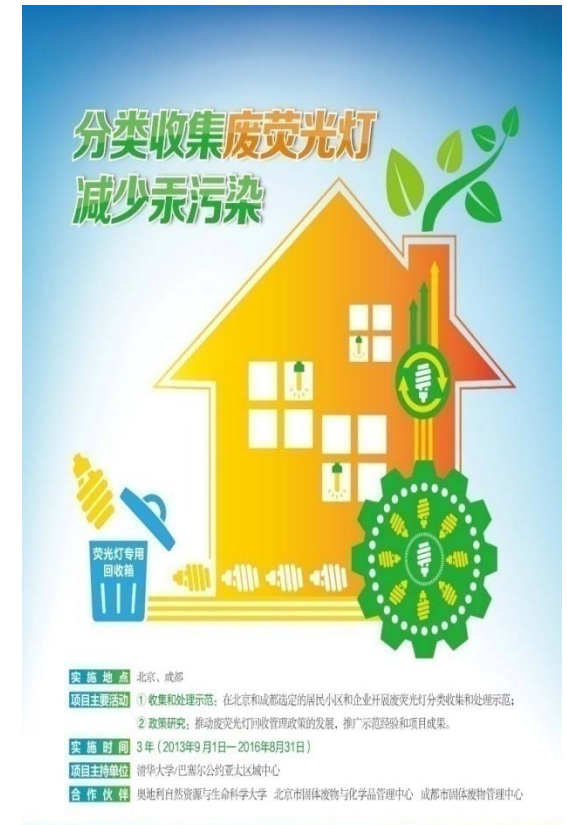
2. China Fluorescent Lamps collection and treatment

Overall Objective

To contribute to sustainable solid waste management and heavy metal pollution prevention and control in China.

Main Activities

1. To demonstrate effective approaches for collection and treatment of waste fluorescent lamps at city level.
2. To improve the policy environment in Beijing and Chengdu through policy research and pilot.
3. To disseminate successful models.

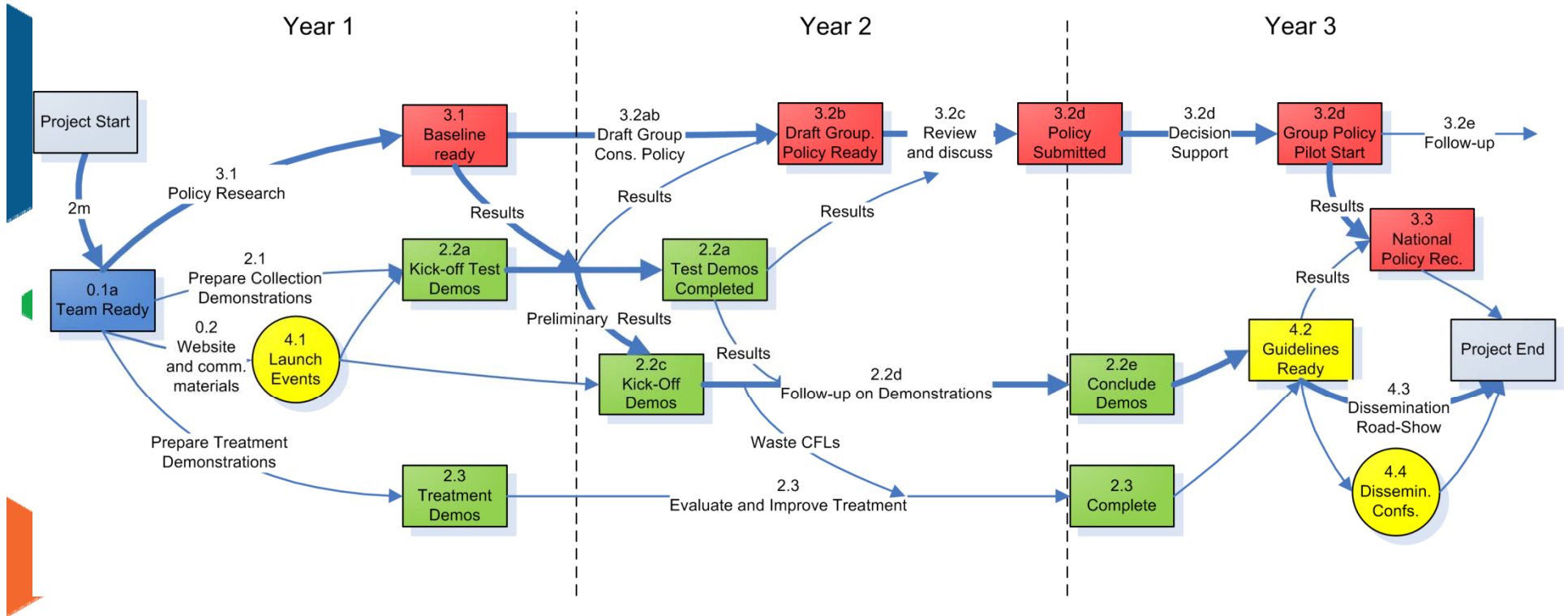


中国荧光灯管收集与处理示范项目
China Fluorescent Lamp Collection and Treatment Demonstration Project
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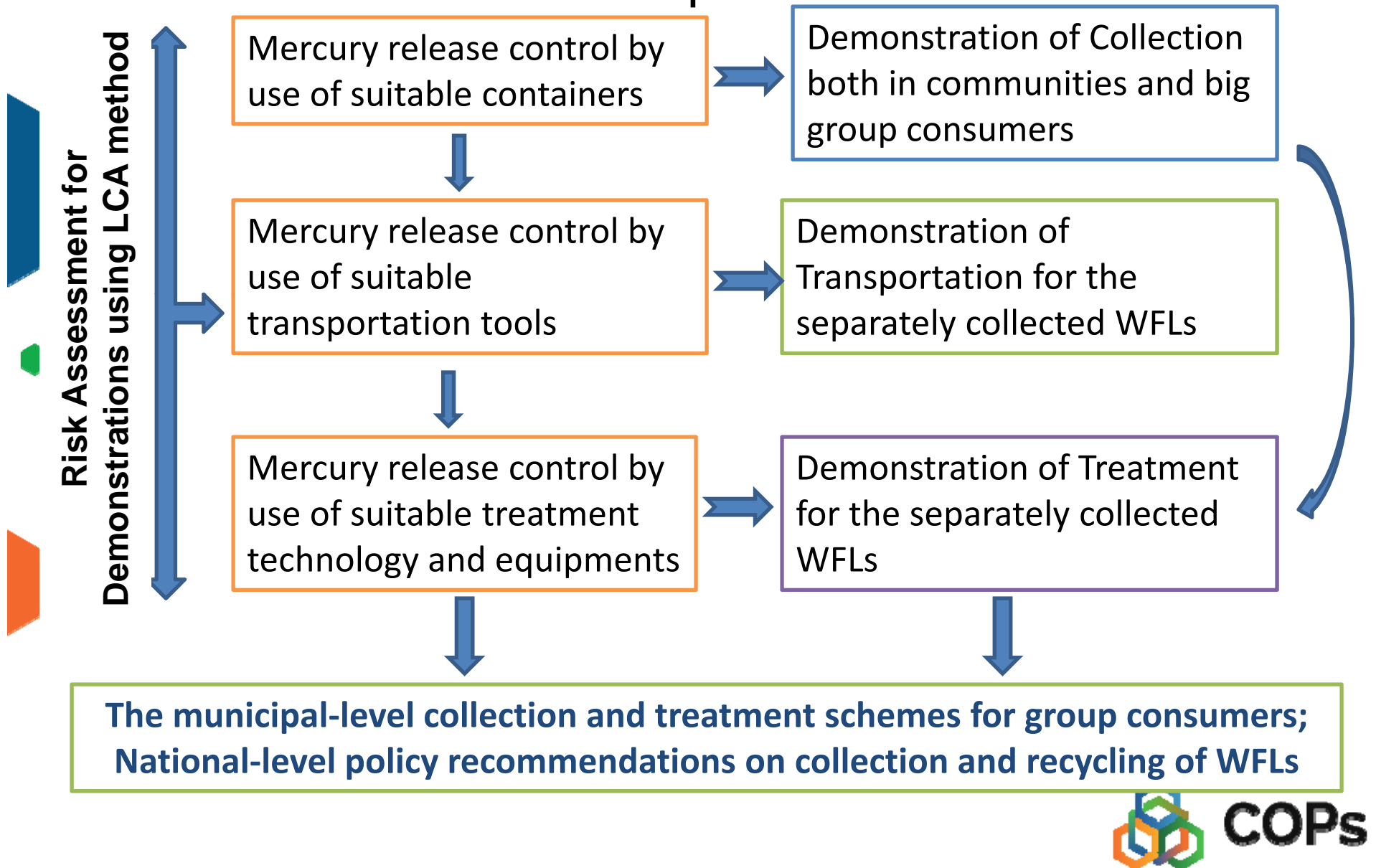


China Fluorescent Lamps Collection and Treatment Project

Critical Path Chart



2. Project Idea: Mercury Control along the whole life after WFLs consumption



2. POPs Control – Alternative, Separation and Elimination

Reduce exposure to and risks emanating from POPs

POPs control by sound management of POPs in articles

- Summarization of production and use of PBDEs;
- Test and analysis of articles containing PBDEs;
- Regulatory framework of PBDEs in domestic and overseas

POPs control by eliminating PBDEs from the waste stream

Illumination of treatment of PBDE-containing waste, including PUR foam, printed circuit boards, thermoplastic plastic.

POPs control by providing a compilation of information to POPs

Presents information on POPs in processes in identified sectors, availability and assessments of alternatives and substitutes to POPs.

Sound management of POPs and use of alternatives for the prevention and minimization of POPs waste

2. Substance Flow Control

Case 3

Establishing Public and Private Partnership for Metal Recycling

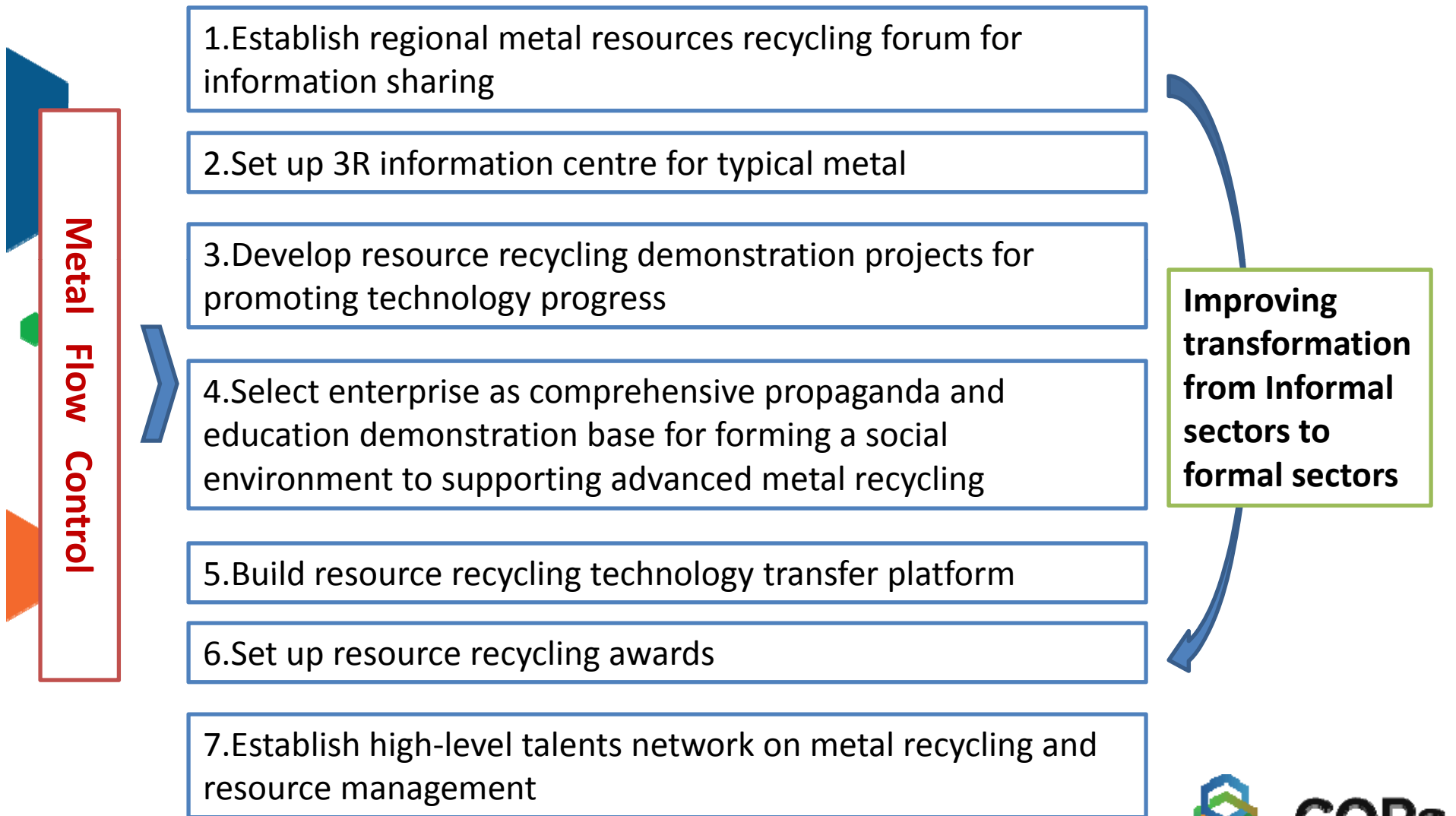
Overall goals of the Metal Recycling Programme

- Establish a widely received platform for promoting metal recycling and resource efficient by public and provide Partnership in Asia and the Pacific Region with aim at a demonstration to the world metal recycling;
- Foster a technology team and a group of education and demonstration bases to provide technical assistance for improving performance of recycling industry and public education for their awareness.

Specific Objectives

- To improve resource utilization efficiency in Asia and the Pacific Region to protect the ecological environment and human health
- To promote the development of formal metal recycling industry.
- To initiate and set up public propaganda and education demonstration bases for metal recycling;
- To cultivate high level talents of management and technique on metal recycling.

2. Metal Flow Control -- Establishing Public and Private Partnership for Metal Recycling



3. Role of Regional Centres

- To provide policy support through pilot projects. Such as technology verification, policy formulation.
- To deliver testified information and knowledge, such as newsletter.
- To conduct capacity building by science and technology forum. Such as ICWMT, training program.
- To support BRS to strengthen global chemical and waste regional centres network. director's meeting, bilateral cooperation between centres.
- Promote science and technology flow between regions and countries.

Thanks for your attention

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<http://2015.icwmt.org>

WELCOME

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