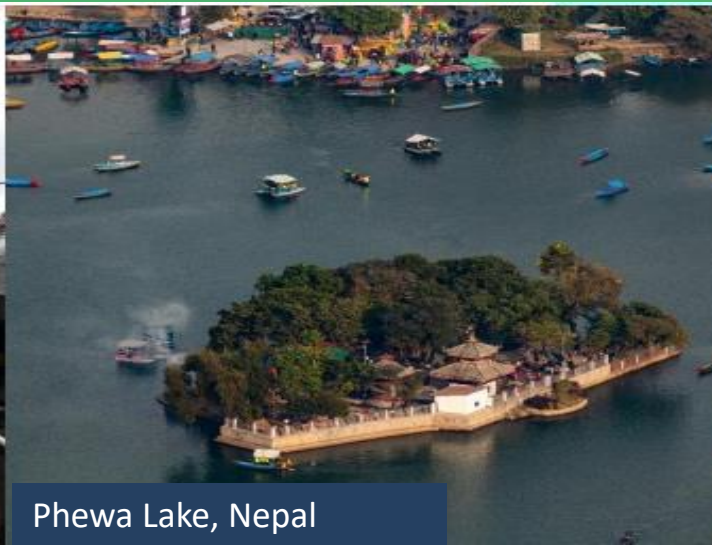




Sri Lanka, waste collection

photo: JICA/Yusuke Abe



Phewa Lake, Nepal



JICA's contribution to C2P2

~JICA Clean City Initiative~

SHIBATA Kazunao
Deputy Director General,
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Japan International Cooperation Agency (JICA)



SUSTAINABLE DEVELOPMENT GOALS



Japan International Cooperation Agency (JICA) supports Sustainable Development Goals (SDGs).

Cover Photo — Waste segregation in Kataragama, Sri Lanka.
Sorting out fruit and other food waste that can be turned into compost quickly.
Photo: Yusuke Abe

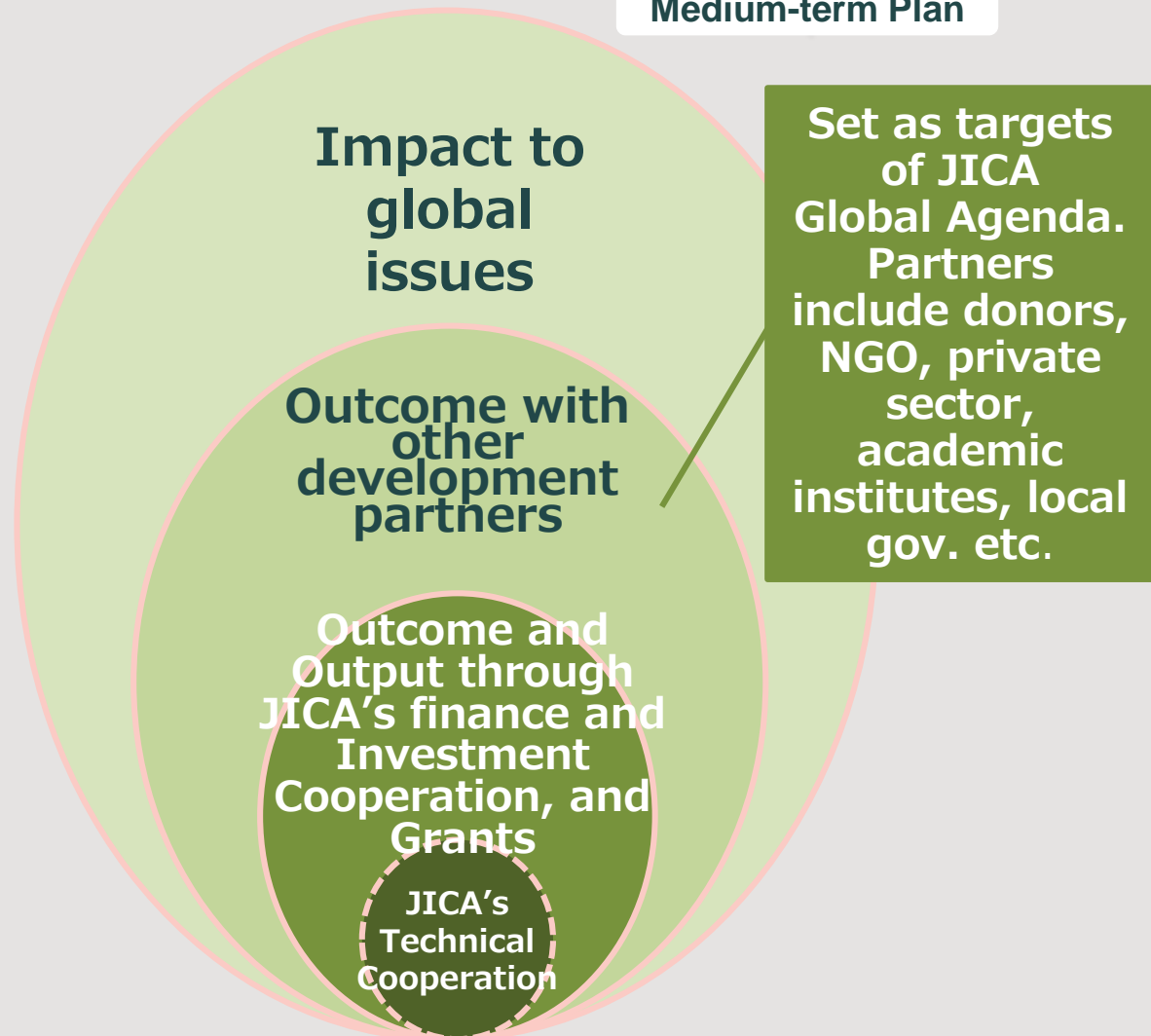
Promote dialogue with partner countries, International organizations

Maximize development impact through "PLATFORM"

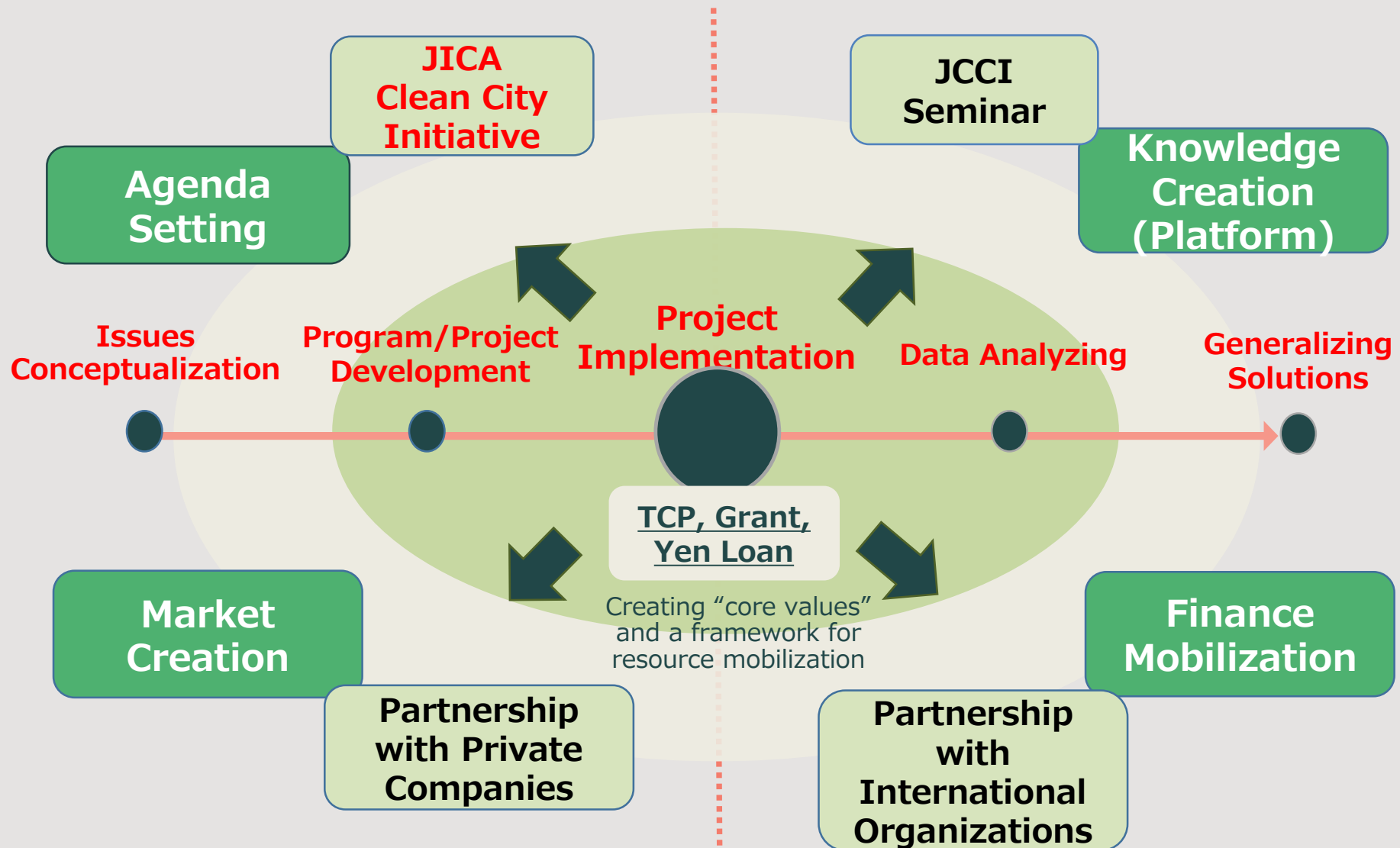
Enhance accountability
Visualize impact / outcomes through annual monitoring and reporting



Medium-term Plan



Non-finance/Intangible Resource Mobilization



Finance/Tangible Resource Mobilization

Piles of waste that keep increasing and plastic waste in the ocean

In Sub-Saharan Africa,
70% of waste is **left**
in uncontrolled disposal sites



Residential and industrial wastewater released to the environment is causing serious health problems

3.6 billion people live
without **adequate hygiene services**
such as toilets



Fourth biggest cause of death in the world is
air pollution caused by industrial activities and cars

According to data released in 2019,
6.67 million people **died** from Air pollution



Contribution: JICA Clean City Initiative

To benefit **500 million** citizens in **50** countries by **2030** !

To Developing Countries;

- ◆ **Human Security:** Ensure **safe and healthy living environment**
- ◆ **Quality growth:** Realize economic growth which is inclusive, sustainable and resilient
- ◆ **With/Post COVID-19:** Reduce infection risk through maintenance & improvement of sanitary urban environment

To SDGs



To Global Environment;

- ◆ **Marine Plastic Pollution:** Prevent the discharge of plastic waste into rivers / oceans, toward realization of **“Osaka Blue Ocean Vision”** (aims to reduce additional pollution by marine plastic litter to zero by 2050)
- ◆ **Climate Change:** Prevent the generation of greenhouse gas (e.g. methane) through proper waste treatment
- ◆ **Biodiversity:** Prevent further environmental pollution thereby conserving ecosystems

Cluster 1

Improve **waste disposal** structures to create a **recycle-oriented society**

1 Create and implement a system to collect, transport, and dispose of waste

2 Reduce waste by introducing segregation and recycling

3 Support policies that reduce waste generation and promote effective use of resources

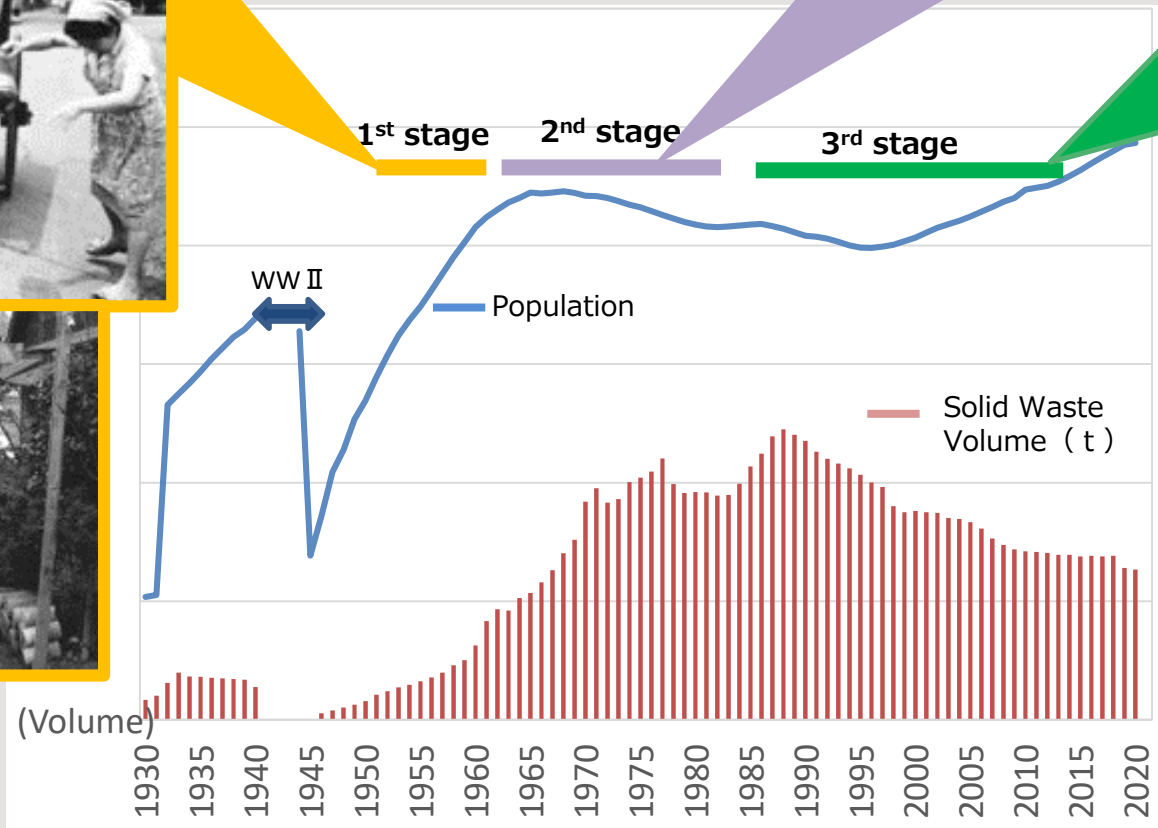
Cluster 2

Create a healthy **water, air, and soil environment** through environmental **regulations** and **pollution prevention measures**

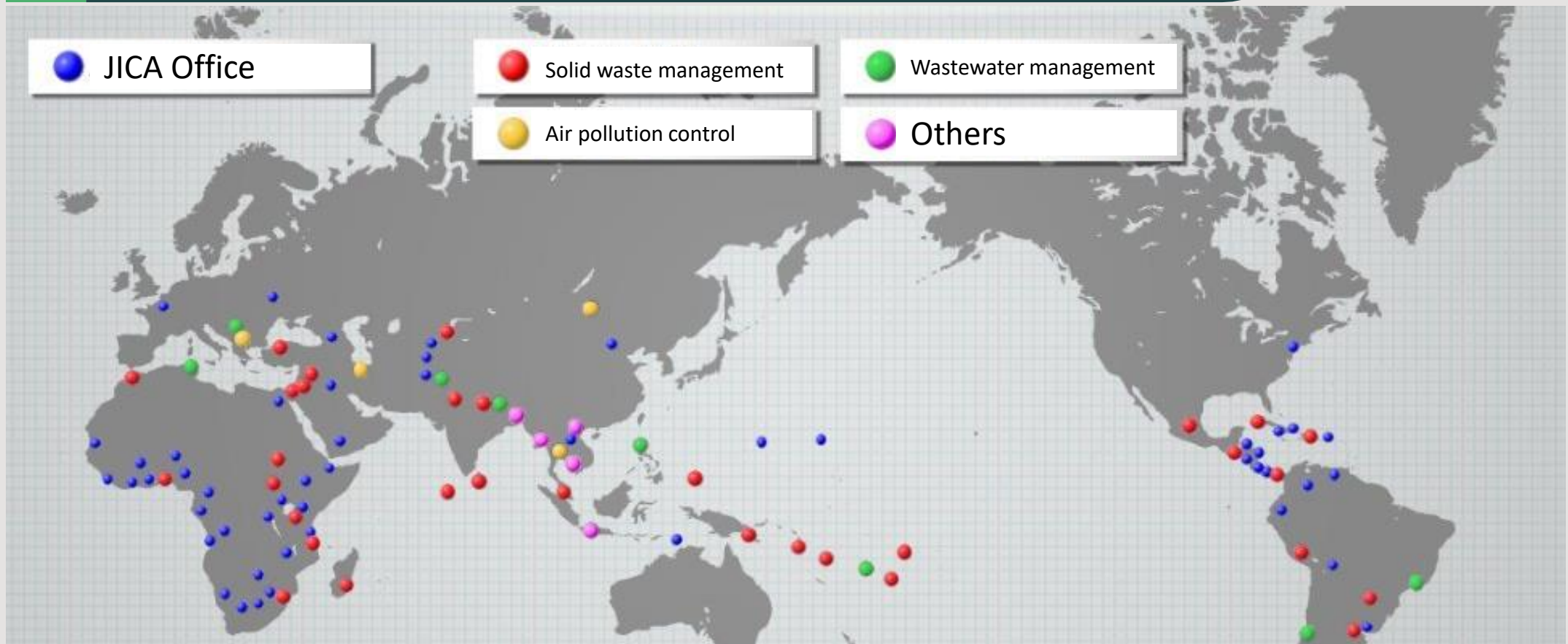
1 Enhance the ability to analyze pollutants to understand the current problems

2 Develop and implement counter-pollution measures based on scientific evidence

3 Strengthen controls over pollutant generation while promoting investments in environmental measures



JICA Technical Cooperation Projects for Capacity Development in Environmental Management



Latest status of JICA's Cooperation (as of 2024 March)

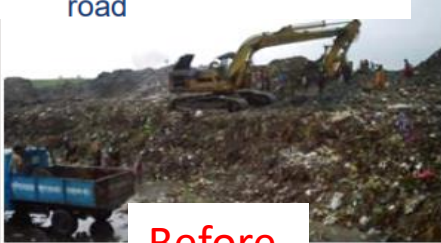
- Beneficiary population reached **325 million in 44 countries**.
- Cooperation in solid waste management (**44 projects**), air pollution control (**4 projects**), wastewater management (8 projects) and environmental policy (**5 projects**).
- Dispatched **62 JICA volunteers to 29 countries** as "Clean city promotion team".
- Trained in total **8,500 environmental management officers** (2022-2023).
- African Clean Cities Platform (ACCP) expanded to **190 cities in 47 countries** (as of May 2024).

1 Waste collection rate improved significantly from 44% in 2004 to 85% in 2021 in Dhaka, Bangladesh

Landfill Site

Before...

- Open dumping sites
- ✓ No soil cover
- ✓ Leachate to the access road



Before

After...

- Sanitary landfill sites
- ✓ Soil cover and gas ventilation
- ✓ Proper leachate collection & treatment



After



Waste Collection



Before



After



Next step toward Clean City: JICA will launch combined project.

Dhaka is one of much air polluted city. Waste management and air pollution control should be managed in integrated manner.

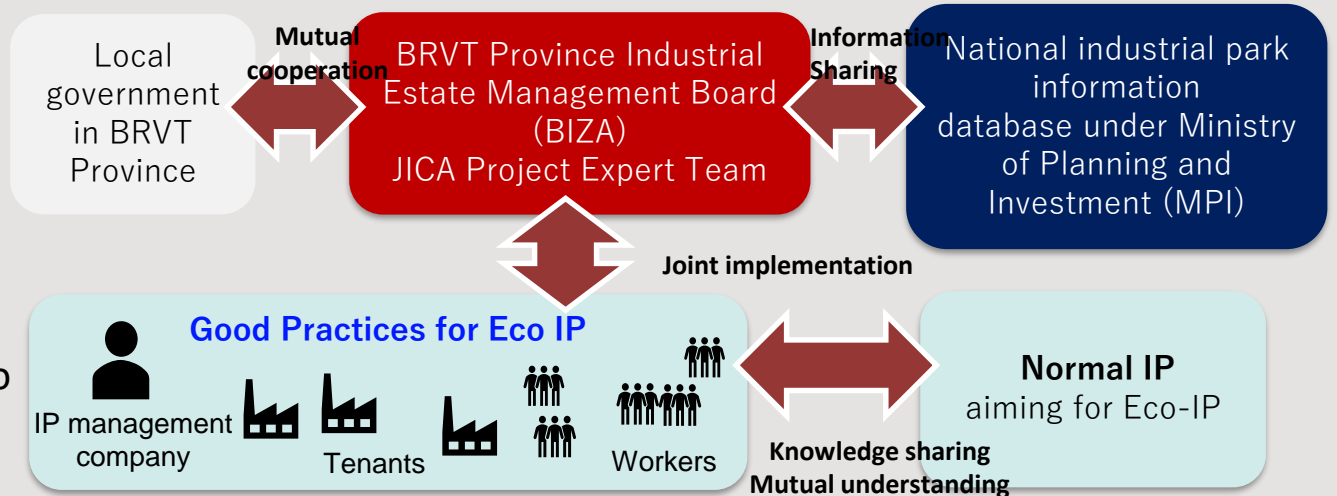
JICA will support air quality, point source, waste management, together. And we try to develop an environmental information system.



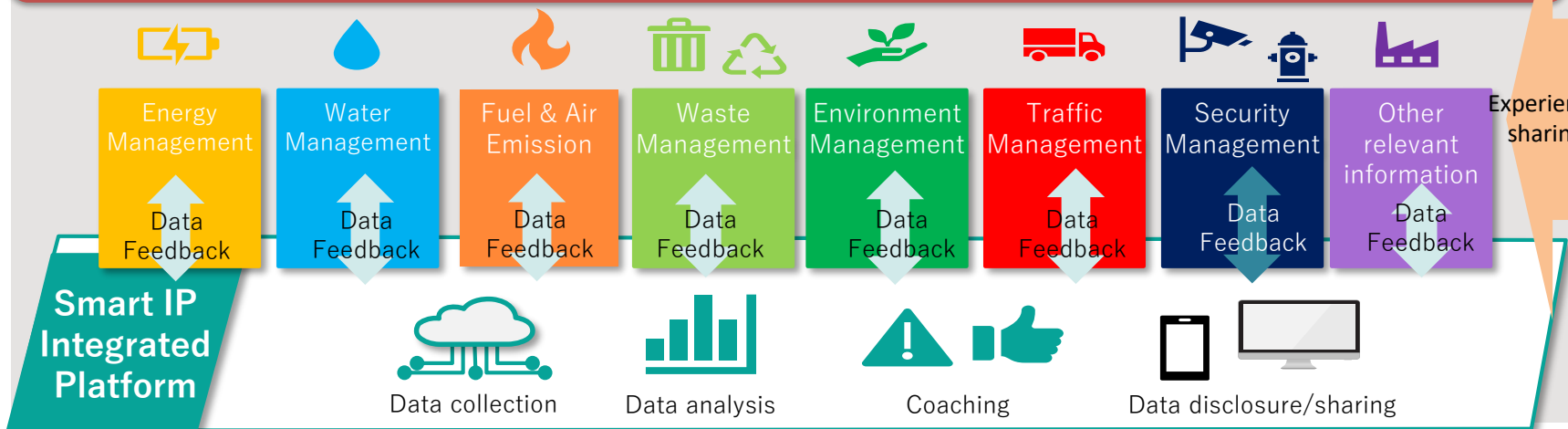
2 The establishment of a system of Eco Industrial Parks (Eco IPs) for the realization of a carbon-neutral and circular economy in Ba Ria Vung Tau Province

Project activity

- Development of institutional and legal arrangement for Eco-IP
- Management of raw materials and energy management using smart meters
- Management of emissions including GHG
- Promotion of wastewater reuse
- Database development and development for the information disclosure/sharing system



Strengthening the system to reduce GHG emissions through data management of energy, resources and emissions (air, water and solid waste) in IPs



Kitakyushu Eco Town

- ① **Eco-Industrial Promotion**
Promotion of green industries based on local industries, and establishment of circular IPs through inter-industry collaboration (Symbiosis)
- ② **Environmental Protection**
Environmentally harmonized towns through cooperation among city, residents and local industry

Experience sharing



JICA's contribution to Clean City Partnership Program (C2P2)

- Applying Japanese experience and lessons learnt to the challenges faced by cities in partner countries, such as environmental issues and decarbonisation of industrial parks.
- Promoting JICA's support for solutions to urban problems through JCCI together with C2P2.

**Thank you
for your kind attention**



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