Pollutant Release and Transfer Registers: Opportunities at National and International level

Siem Reap, 26th March 2019

1) Global PRTR Project

2) National Reporting to MEAs

3) Measuring SDGs Targets

4) PRTR Opportunities in Cambodia

5) Conclusions

1) Global PRTR Project

Global project on PRTRs implementation in 6 countries:

Belarus   Cambodia   Ecuador   Kazakhstan   Moldova   Peru
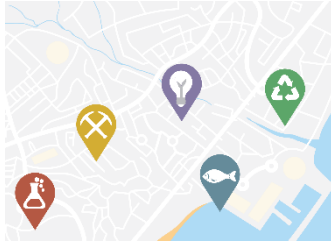
- **Timeframe**: 2015-2018
- **Funded by:** Global Environment Facility
- **Implementing Agency:** UN Environment
- **Executing Agency:** UNITAR
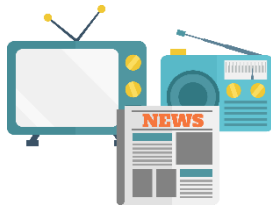- **National Partners:** Ministry of Environment

PRTR Pilot Test

Trainings for industry on how to report
PRTR online software for reporting
National database of emissions
Geographic information system (GIS)

Workshops & Trainings

National workshops
Face-to-face Trainings
Project Coordination Committee
Webinars

Outreach Campaign

National PRTR website
Free access to reported data
Public Awareness of PRTR
Outreach materials and media

National Reports

PRTR Communication Strategy
Infrastructure Assessment Report
Draft Key PRTR Features
PRTR Pilot Report
National PRTR Executive Proposal

2) National Reporting to MEAs

Stockholm Convention on POPs

Article 10 acknowledge PRTRs for the collection and dissemination of POPs releases

Basel Convention on Transboundary Movements of Hazardous Wastes and their Disposal

Minamata Convention on Mercury

Article 18 acknowledge PRTRs for the collection and dissemination of Mercury releases
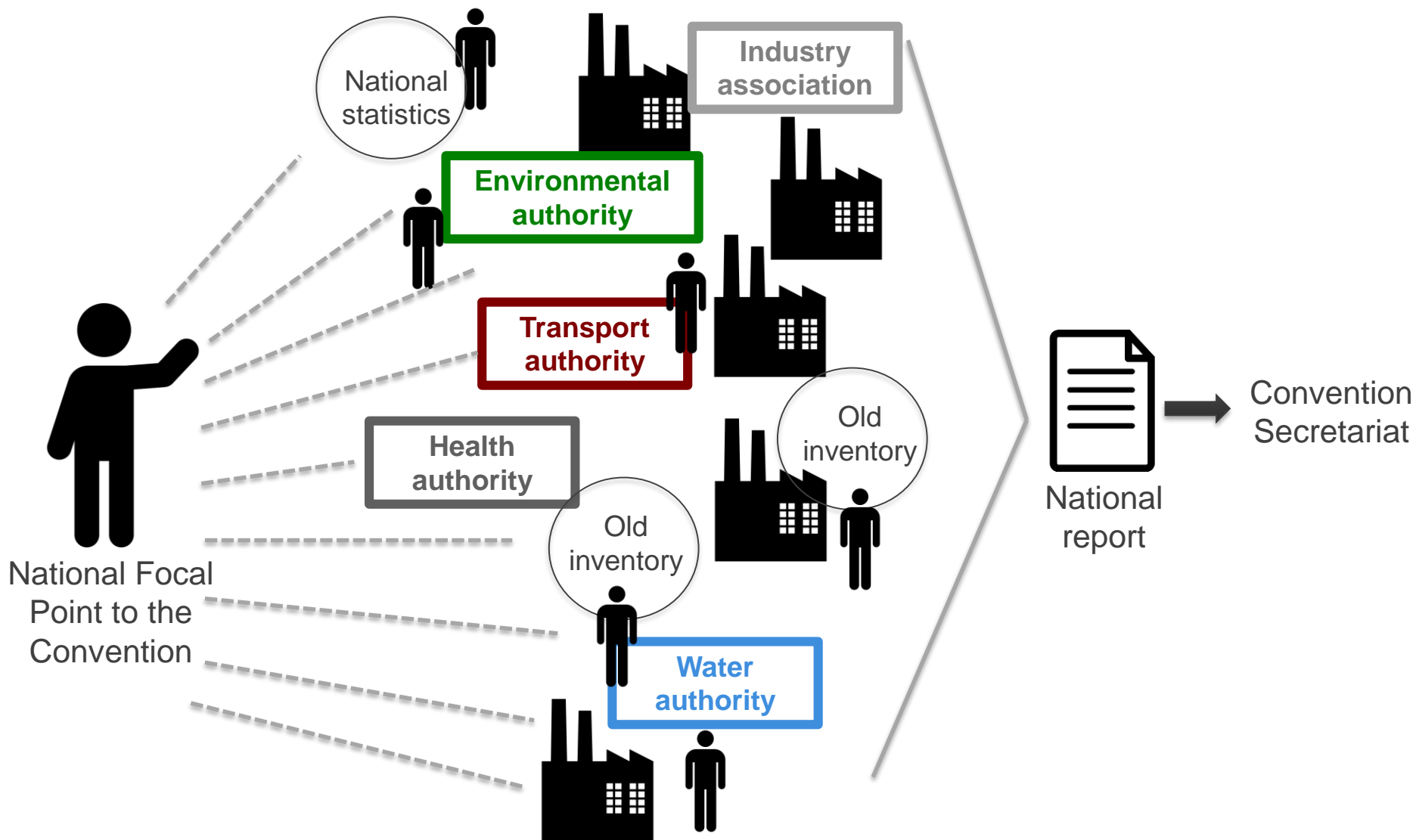
United Nations Framework Convention on Climate Change

PRTRs can provide consistent data on GHGs emissions

National statistics

Industry association

Environmental authority

Transport authority

Old inventory

Health authority

Old inventory

Water authority

National Focal Point to the Convention

National report

Convention Secretariat

Point sources

Industry association

Environmental authority

Water authority

Health authority

Transport authority

Diffuse sources and national stocks

PRTR

National Focal Point to the Convention

National report

- **Facilities report:**
  - Kg of POPs produced, imported and exported (including PFOS)
  - Kg of unintentional releases
  - Inventory of PCB-containing equipment
  - Inventory of own stocks/waste containing POPs
- **Authorities report:**
  - Inventory of publicly-owned PCB-containing equipment
  - Inventory of public stocks/waste containing POPs

- **Facilities report:**
  - Tons/year of hazardous waste generated, imported or exported
  - Disposal and recovery operations
- **Authorities report:**
  - Estimations of hazardous and other wastes going to non-specific landfills or dumps

MINAMATA CONVENTION ON MERCURY

- **Facilities report:**
  - Kg of mercury or mercury compounds used
  - Kg of mercury emissions and releases (from point sources)
  - Inventory of own stocks/waste containing mercury
- **Authorities report:**
  - Estimation of mercury emissions and releases from ASGM
  - Amount of imported/exported mercury-containing products
  - Estimation of releases from public waste incinerators

United Nations Framework Convention on Climate Change

- **Facilities report:**
  - Tons/year of GHG emissions
- **Authorities report:**
  - Estimation of tons/year of GHG emissions from agriculture, transport, residential fuel combustion, commercial fuel combustion, road paving with asphalt

3) Measuring SDGs Targets

Tracking annual trends of chemical releases into water

Providing information on chemicals released and impact on human health

Tracking progress on climate change mitigation

Enhancing greener technology and sustainable use of chemicals

16 PEACE AND JUSTICE STRONG INSTITUTIONS

Ensuring transparency and access to environmental information

4 QUALITY EDUCATION

Contributing to improved environmental knowledge of future generations

16 PEACE AND JUSTICE STRONG INSTITUTIONS
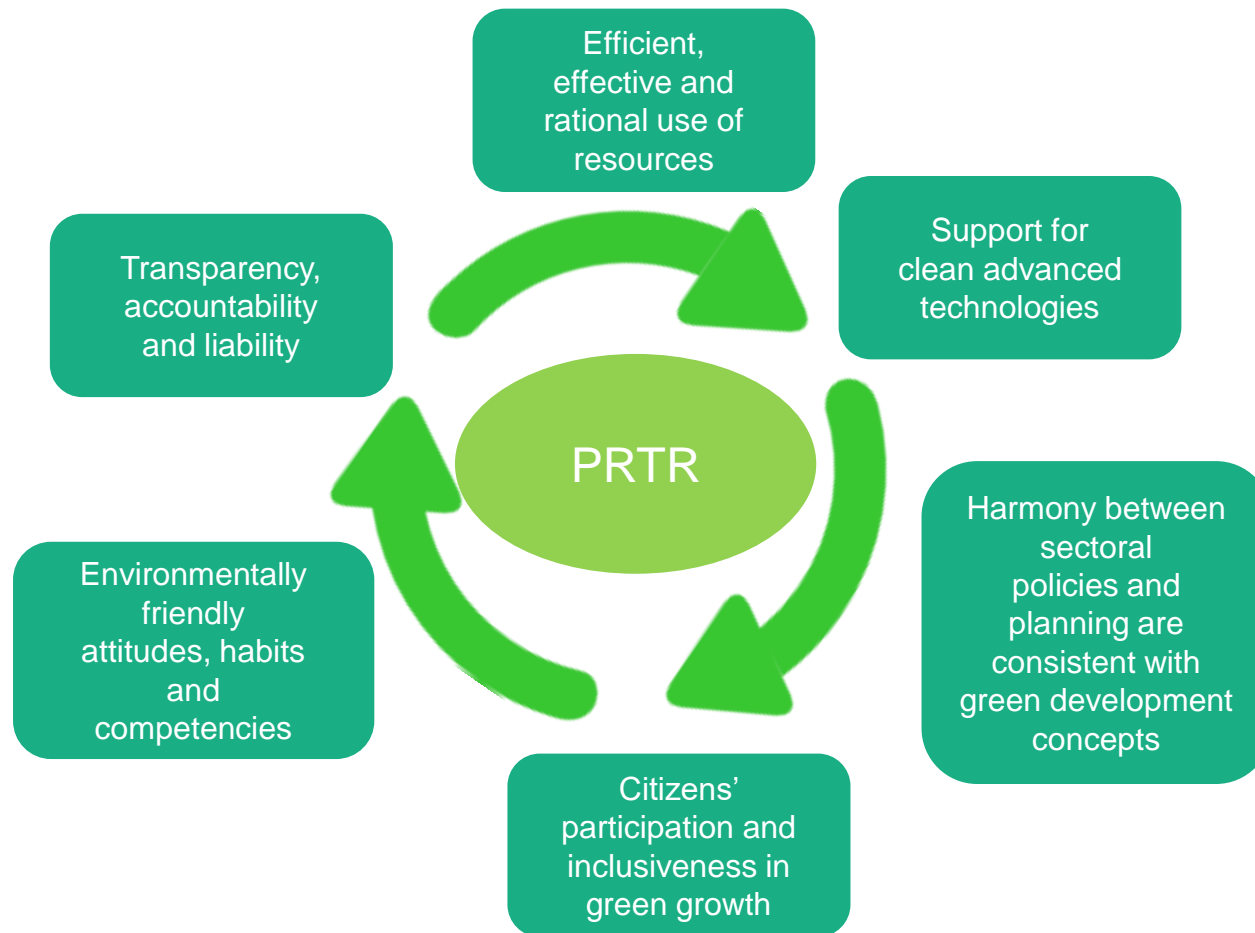
17 PARTNERSHIPS FOR THE GOALS

Facilitating multi-stakeholder engagement

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4) PRTR Opportunities in Cambodia

✓ Establish a single environmental data pool and improve information quality

✓ Support Government in the periodic report to MEAs Secretariats

✓ Provide conditions to monitor and reduce air, water and soil pollution

✓ Support the access of national companies to international markets

✓ Establish industrial mapping of Cambodia

✓ Raise public awareness on environmental issues

✓ Provide public with easy accessible information on environmental emissions

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Efficient, effective and rational use of resources

Support for clean advanced technologies

Transparency, accountability and liability

PRTR

Environmentally friendly attitudes, habits and competencies

Harmony between sectoral policies and planning are consistent with green development concepts

Citizens' participation and inclusiveness in green growth

Challenges:

Legal and regulatory framework for supporting and driving PRTRs development

Designing a PRTR will provide a draft legal framework for industries to report their emissions

Awareness, knowledge, understanding and behaviour of citizens and public

Provision of accessible environmental data with contextual information will educate the public

- ✓ MoP of the PRTR Protocol
- ✓ PRTRs Global Round Table
- ✓ OECD Working Group on PRTRs

5) Conclusions

- PRTRs are systems that provide users with information on annual emissions of pollutants

- The sources of pollution are identified on an interactive map

- PRTRs reports are publicly available (online)

- Benefits for all key national stakeholders

- PRTRs should be integrated with existing national initiatives on pollution control and monitoring

- PRTRs reports submitted directly by the sources of pollution, usually give 80-90% of total national emissions

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Thank You!

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