



unitar
United Nations Institute for Training and Research



GOVERNMENT OF
MONGOLIA



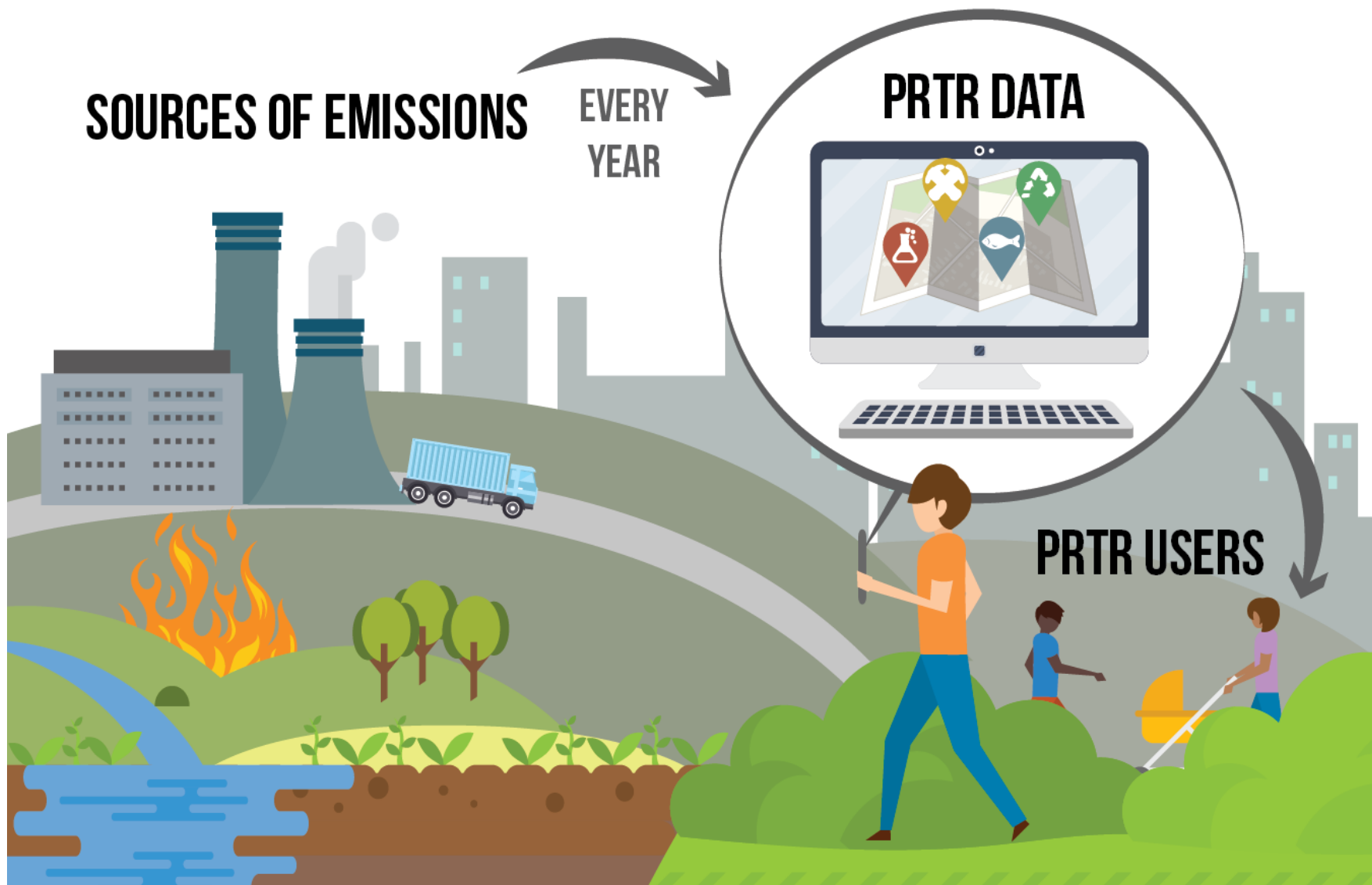
Pollutant Release and Transfer Registers

How PRTRs work

- 1) What is a PRTR?
- 2) Benefits of PRTRs
- 3) PRTRs at Global Level
- 4) UNITAR PRTRs Programme
- 5) Why PRTR in Mongolia?
- 6) Conclusion



1) What is a PRTR?



Pollutants Release and Transfer Registers

Type of emissions



air



water



land

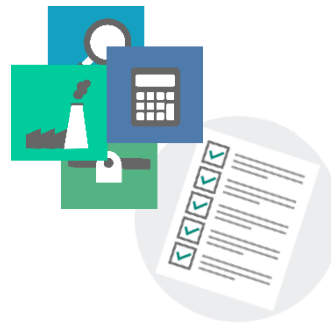


off-site
transfer

Sources of pollution



Online reporting



Information dissemination



From inventories on a single environment to PRTRs



Change from **command-control** policy to a **participatory process**.



Multimedia information brings a better picture of the **environmental status** and allows to take **informed decisions**




Tool for global environmental issues



National Reporting



Information dissemination



European
Pollutant
Release and
Transfer
Register

[Home](#)
[Search the register ▾](#)
[Diffuse emissions ▾](#)
[About E-PRTR](#)

Country

Region:
☐ Region ☒ River basin district

Year

Facility Name

Town/Village

Activity >
Pollutant releases and transfers >
Waste transfers >


Facility Details

Facility Exxonmobil Chemical Limited, Fawley Refinery
Address: Cadland Road , Hythe --, SO45 3NP, Southampton
Country United Kingdom
Year 2014 (published: 30 May 2016)
Regulation E-PRTR Regulation

Reporting Year

Facility level / Details
Facility level / Pollutant releases
Facility level / Pollutant transfers
Facility level / Waste transfers

Facility level / Confidentiality



Facility Details
Parent Company Name: Esso UK Limited
Coordinates (Lon;Lat): (-1.35522°, 50.8364°)
NUTS Region: Hampshire and Isle of Wight
River Basin District: South East
Main activity (NACE): 20.1 Manufacture of basic chemicals, fertilisers and nitrogen compounds, plastics and synthetic rubber in primary forms


IPPC Installations: 1
Operating hours: 8760
NationalID: EW_EA-1118 (in 2014)

Competent Authority (Last updated: 30 May 2016)
Name: EA2033
Address: Parkway Avenue Quadrant Two, S9 4WF, Sheffield
Phone: +44 03708506506
Fax: n/a
E-mail: pollution.inventory@environmant-agency.gov.uk
Contact Person: Matt Parkin


Industrial activities

IPPC-code


Main activity
4. (a) Industrial scale production of basic organic chemicals 4.1



European
Environment
Agency



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[Links ▾](#)
[Library ▾](#)



Search

Sector

Industrial releases

Available layers

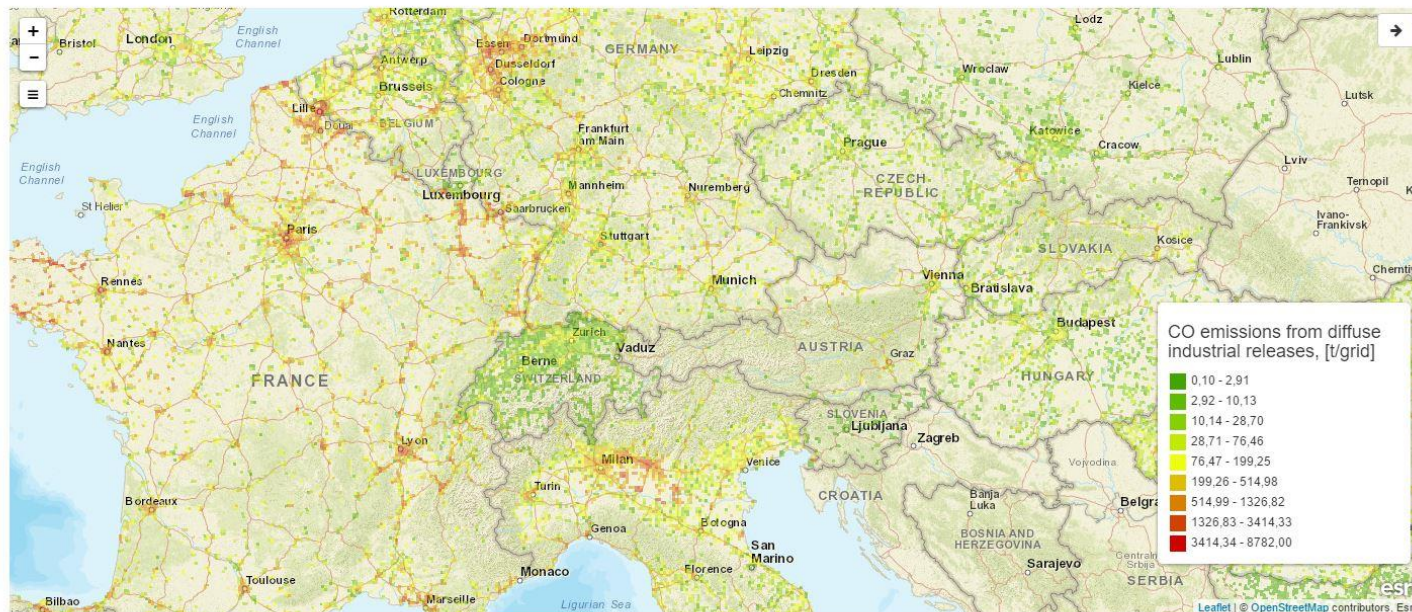
☐ NOX emissions from diffuse industrial releases, t/grid

☐ SO2 emissions from diffuse industrial releases, t/grid

☐ PM10 emissions from diffuse industrial releases, t/grid

☒ CO emissions from diffuse industrial releases, t/grid

☐ CO2 emissions from diffuse industrial releases, kt/grid



Carbon monoxide (CO) emissions from diffuse industrial releases emissions from diffuse industrial releases (in tonnes per grid cell)

[General Information](#)
[Methodology](#)
[Source Data](#)

Geographic Information System (GIS) overlay

Diffuse emissions of carbon monoxide (CO) to air from industrial releases have been distributed according to the reporting of the countries to the Convention on Long-Range Transport of Air Pollution (CLRTAP), and to the E-PRTR, using the location of the emission sources, employment statistics, and land use information. The emissions are allocated using GIS overlay techniques for distribution into grid cells with a spatial resolution of 5x5km². The dataset is then transformed into vector polygons and projected into the E-PRTR WGS84 standard projection.

National Air Emissions: Source Monitoring Data

Search

Nationwide City/Locality

Filter

Enterprise Name	Pollutant	Average Hourly Value (mg/M3)	Star
陕西渭河发电有限...	Particulates	1530.15	3
河北金万泰化肥有...	NOx	3076.42	2
神木县同得利煤化...	Particulates	122.55	1
东方希望(三门峡...	Particulates	290.93	3
萍乡焦化有限责任...	SO2	448.18	5
广东粤华发电有限...	Particulates	176.37	2
陕西有色榆林新材...	SO2	2829.69	4
楚源高新科技集团...	Particulates	639.92	1

1/590

Enterprises with this icon also have supervision records, click on the icon to view supervision record data

4717 Enterprises Monitored Nationwide

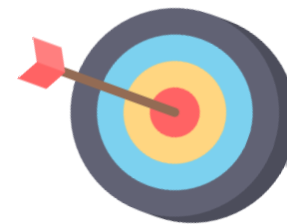
242 Enterprises Exceeding Standards

4475 Enterprises in Compliance

Annual National Environmental Data and Statistics
Data Source: Ministry of Environmental Protection, Provincial & Municipal Environmental Protection Bureau Websites



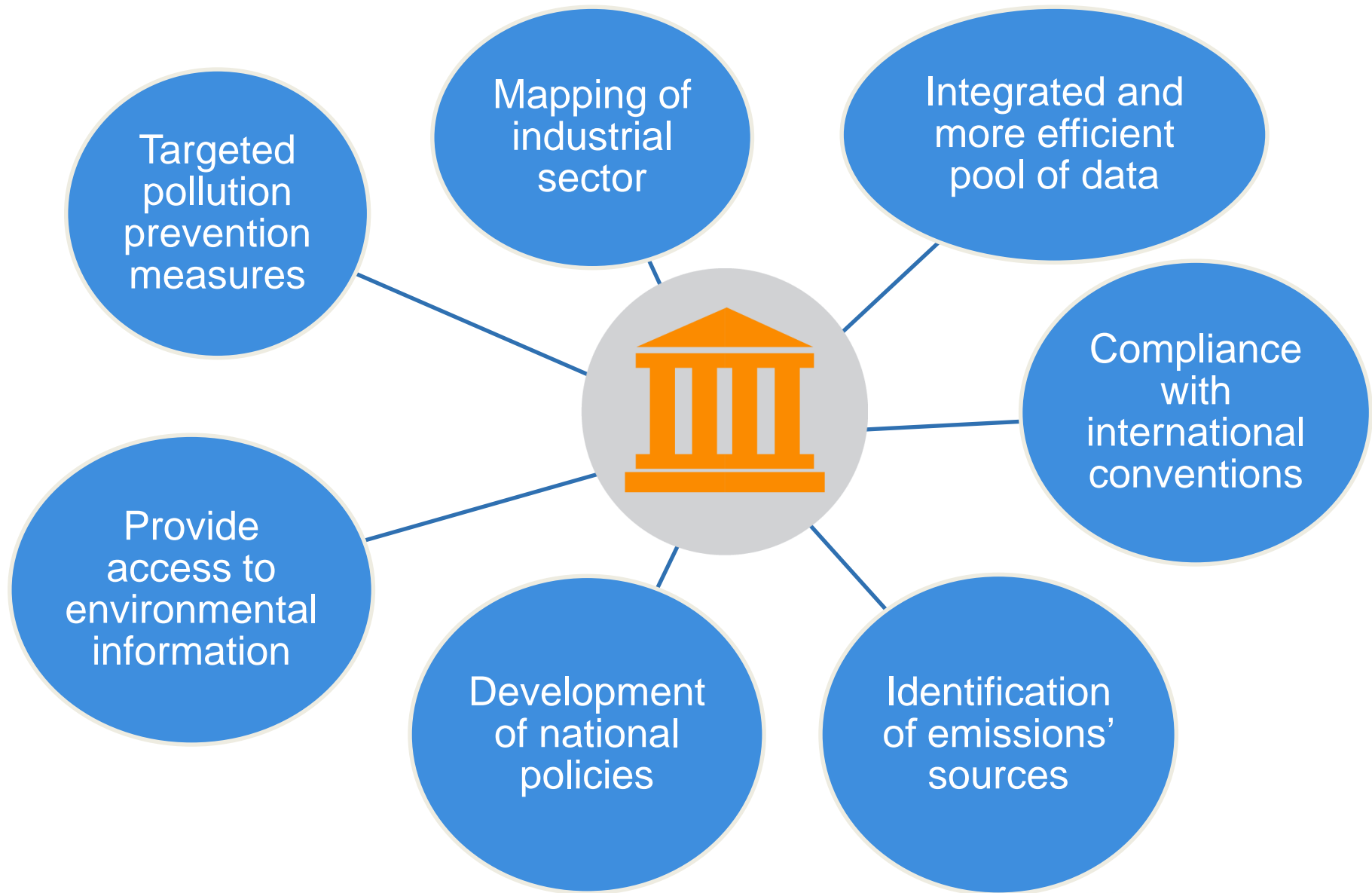
[IPE Website](#)

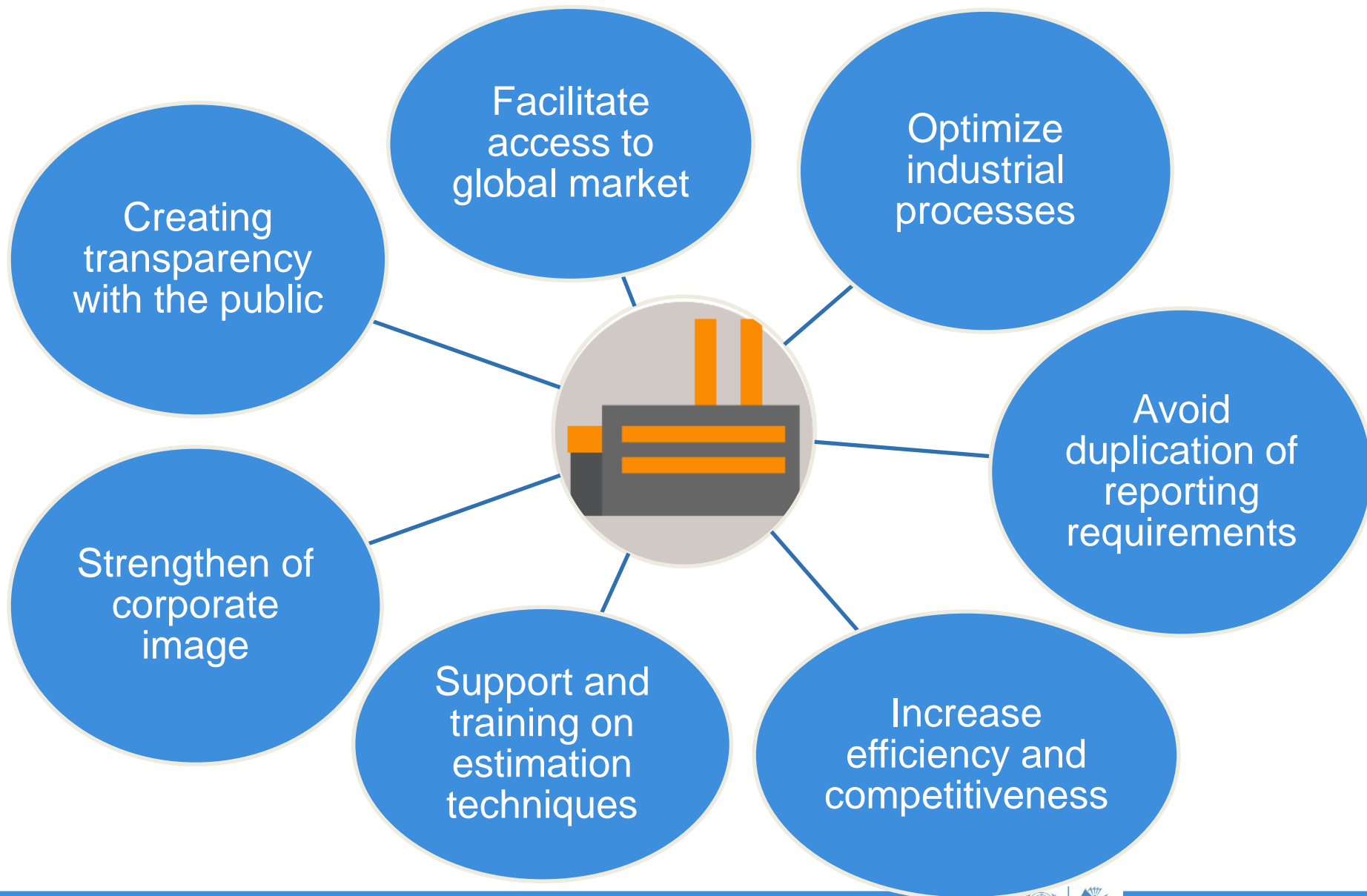


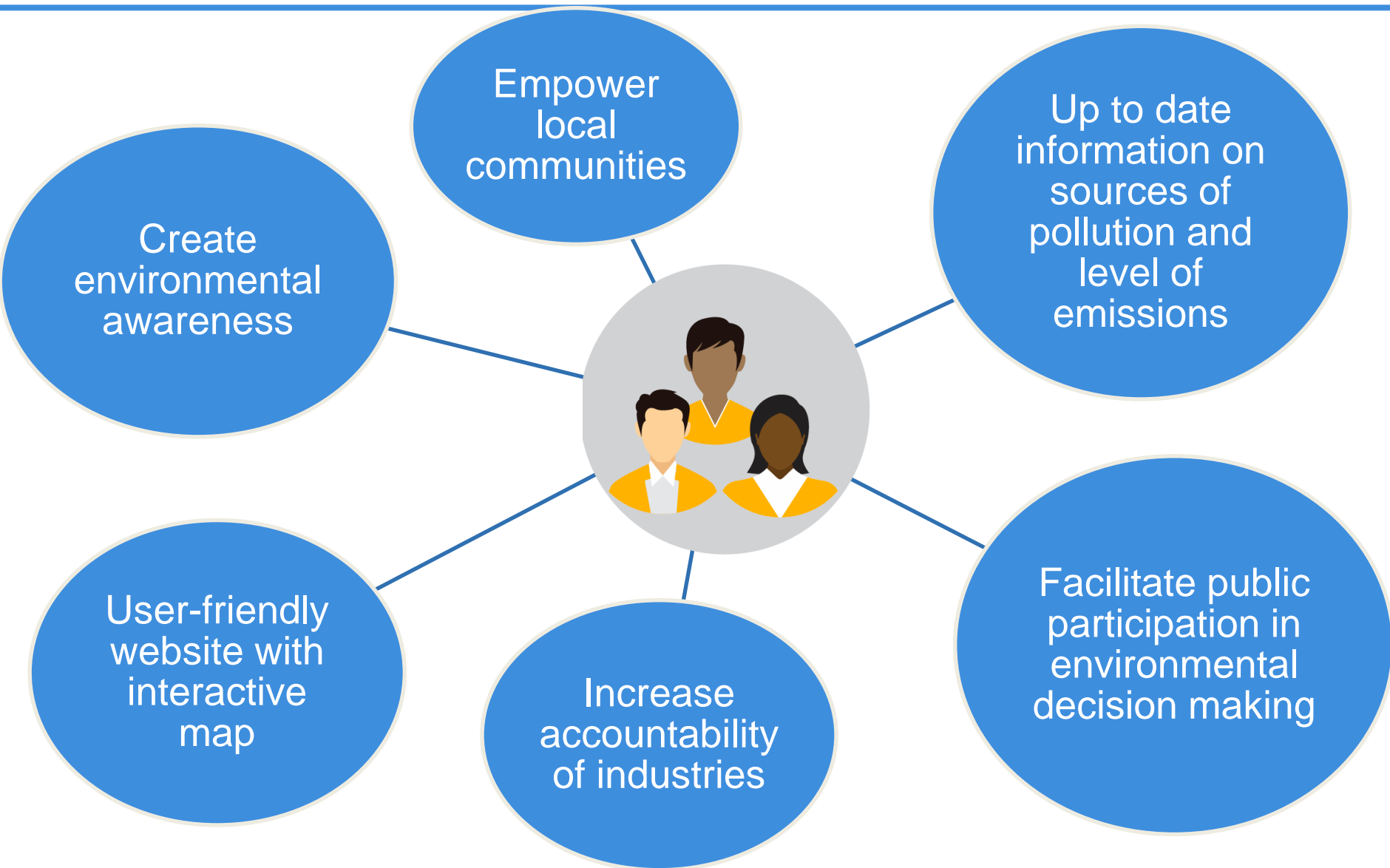
- ☐ Identification of hotspots of emissions
- ☐ Public access to environmental information
- ☐ Compliance with international standards
- ☐ Consistent information on national environmental emissions, use of chemicals and hazardous wastes
- ☐ Simplified online reporting system
- ☐ Improve transparency and sustainable production processes



2) Benefits of PRTRs







3) PRTRs at Global Level



Rio Declaration Principle 10

PRTRs facilitate and encourage public awareness and participation



Aarhus Convention

PRTRs advocate the right of everyone to receive environmental information



Kiev Protocol

The Protocol is the first legally binding international instrument on PRTRs

Stockholm Convention on POPs

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



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





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



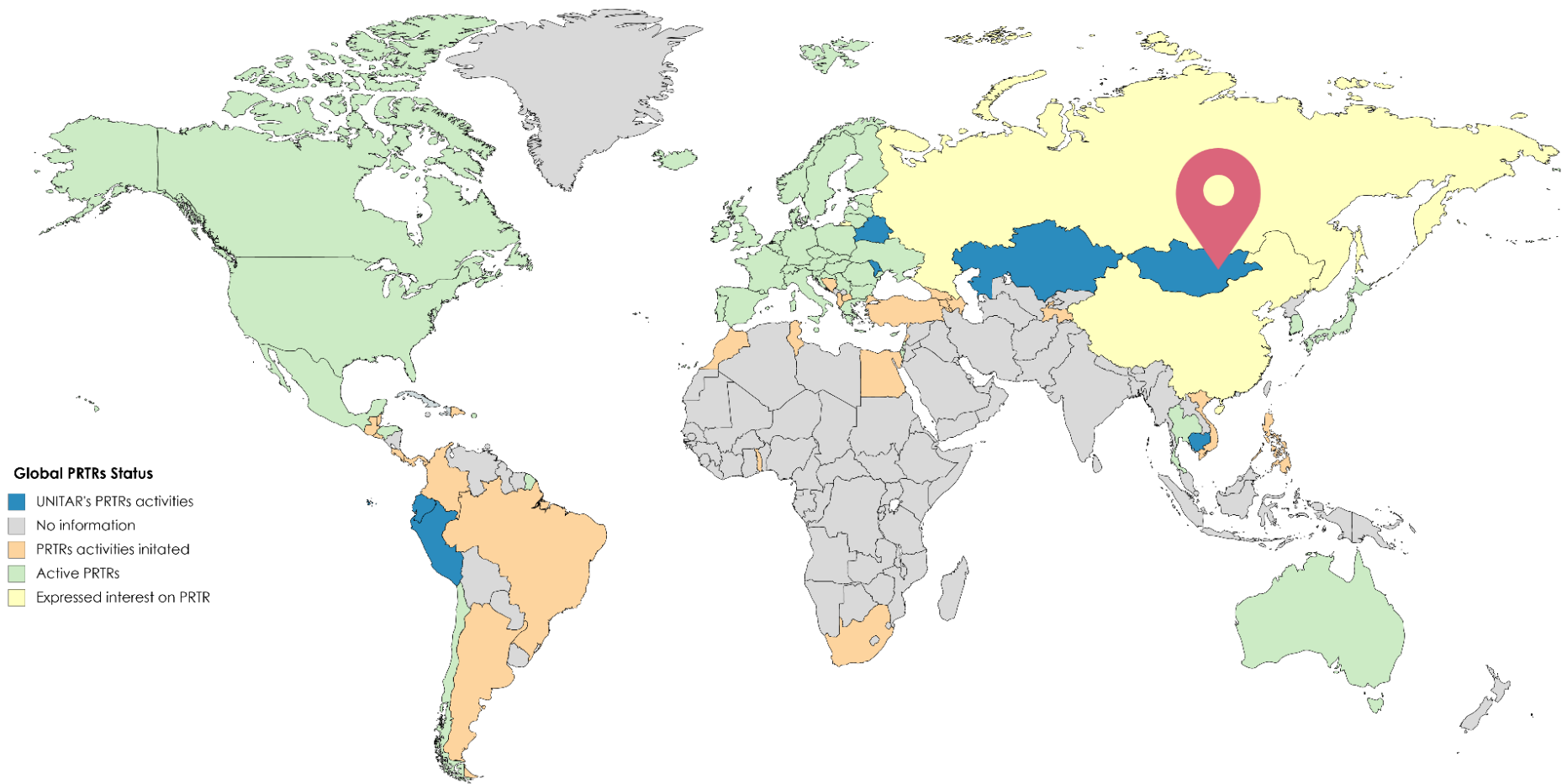
Ensuring transparency and access to environmental information



Contributing to improved environmental knowledge of future generations



Facilitating multi-stakeholder engagement



4) UNITAR PRTRs Programme



Identify the goals of the PRTR system



Assessment of the existing National infrastructure



Design of the key features of the National PRTR system



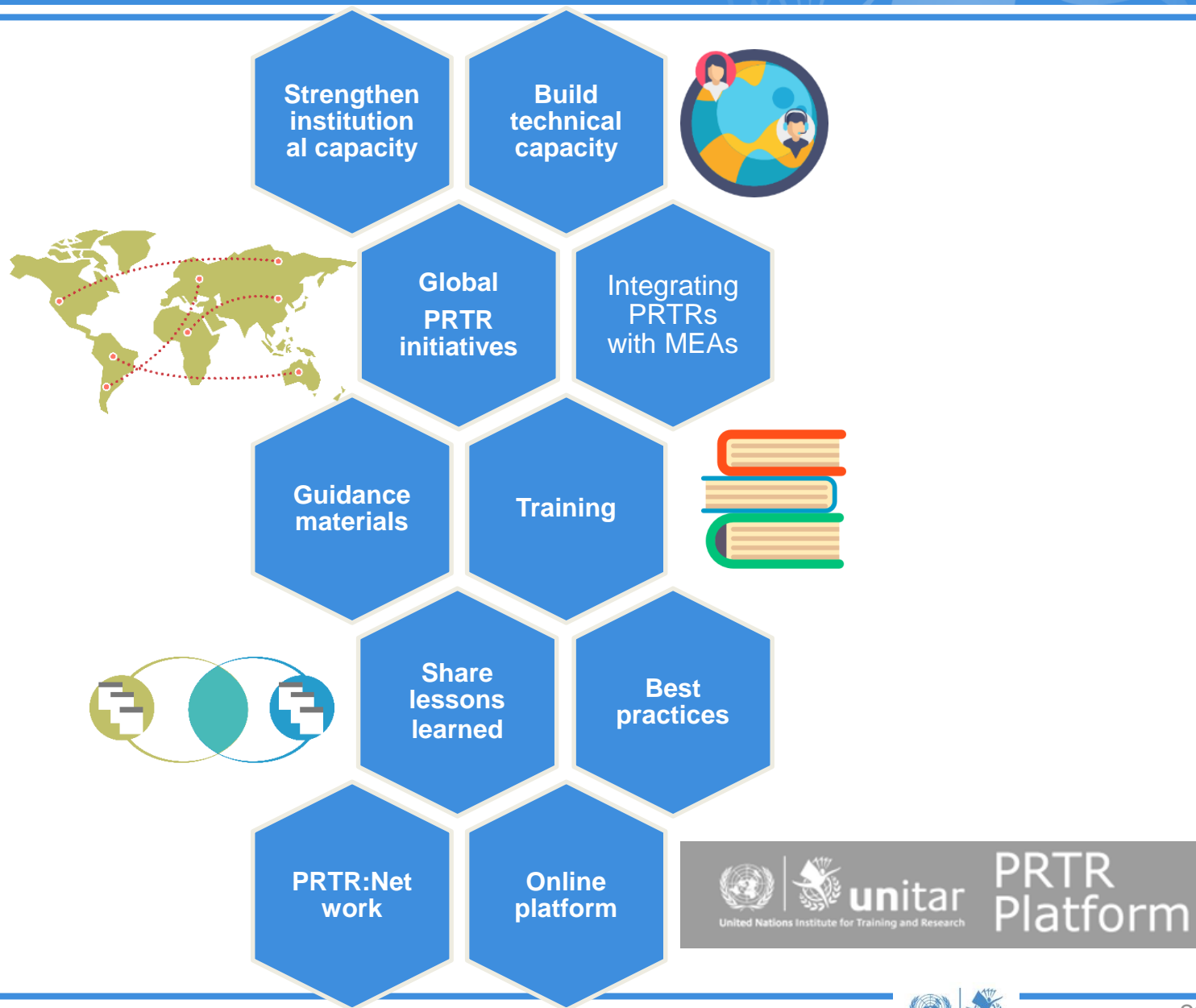
Conduct a PRTR reporting trial

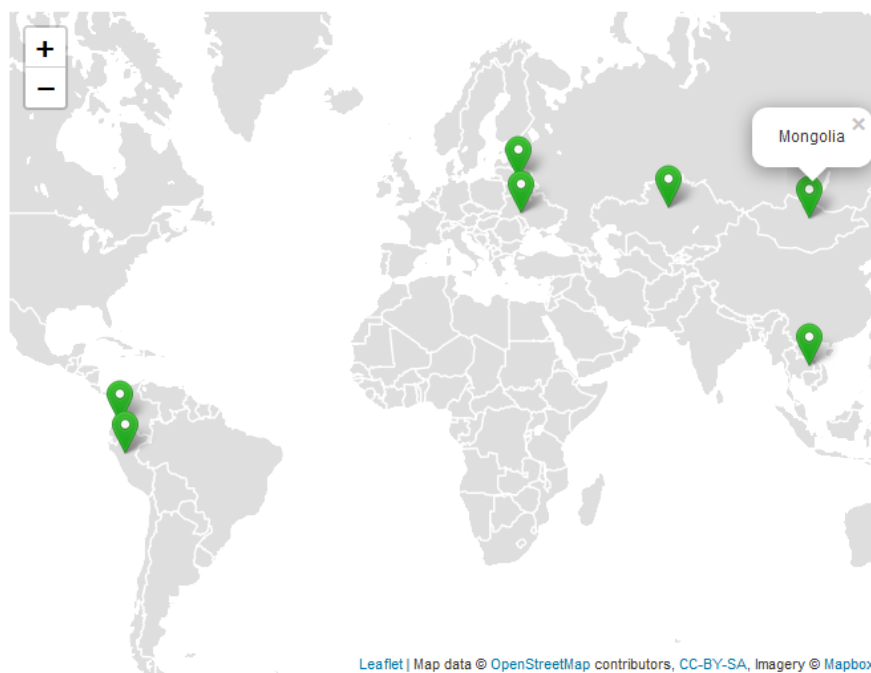
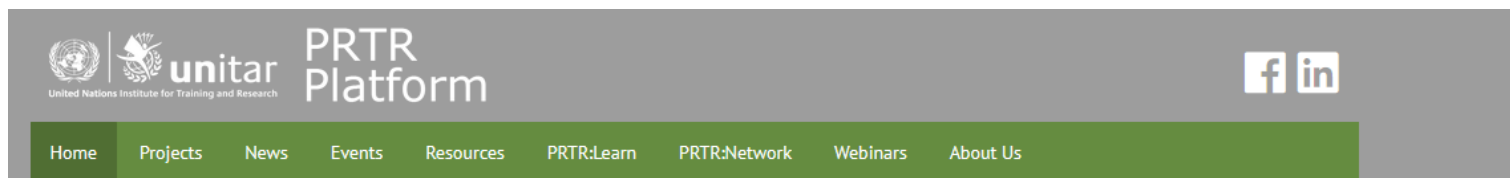


Finalize the National PRTR proposal



Endorsement of the National PRTR proposal





Click on a country in green for more information.

About Pollutant Release and Transfer Register (PRTR)

The platform highlights the activities of the UNITAR Chemicals and Waste Management Programme in support of the implementation of Pollutant Release and Transfer Registers.

Here you can read more on PRTRs background, ongoing projects, publications, events and guidance.

Mongolia

Strengthening Capacities for Implementation of a National PRTR and Supporting SAICM Implementation

Implementing agency: UNEP

Executing Agency: UNITAR

Status: Started

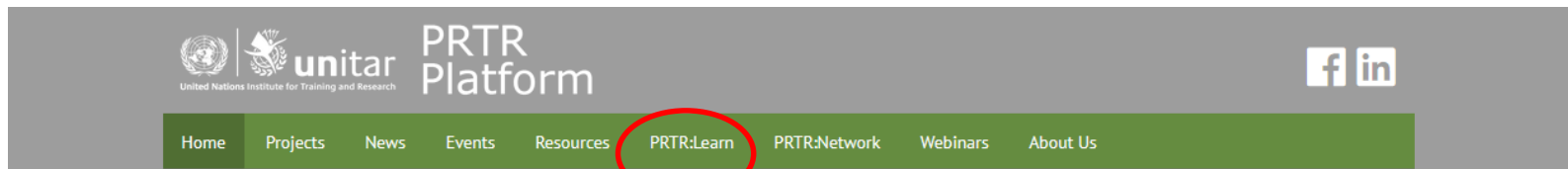
Contact Persons: Mr. Andrea Cararo (UNITAR); Ms. Sarantuya Jigjiddorj (National Coordinator)

PRTR:Learn

Video trainings on Pollutant Release and Transfer Registers

▶ Start watching





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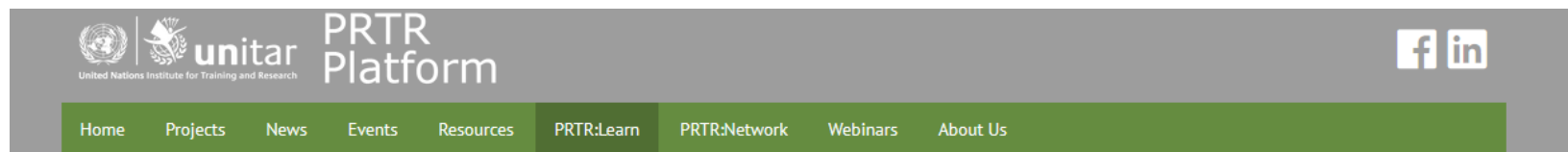
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PRTR:Learn

Welcome to the UNITAR video trainings on Pollutant Release and Transfer Registers

Click on
the icons
and start
learning →



Module 1 - Communication & Dissemination of Data



Module 2 - Legal Implementation



Module 3 - Release Estimation Techniques



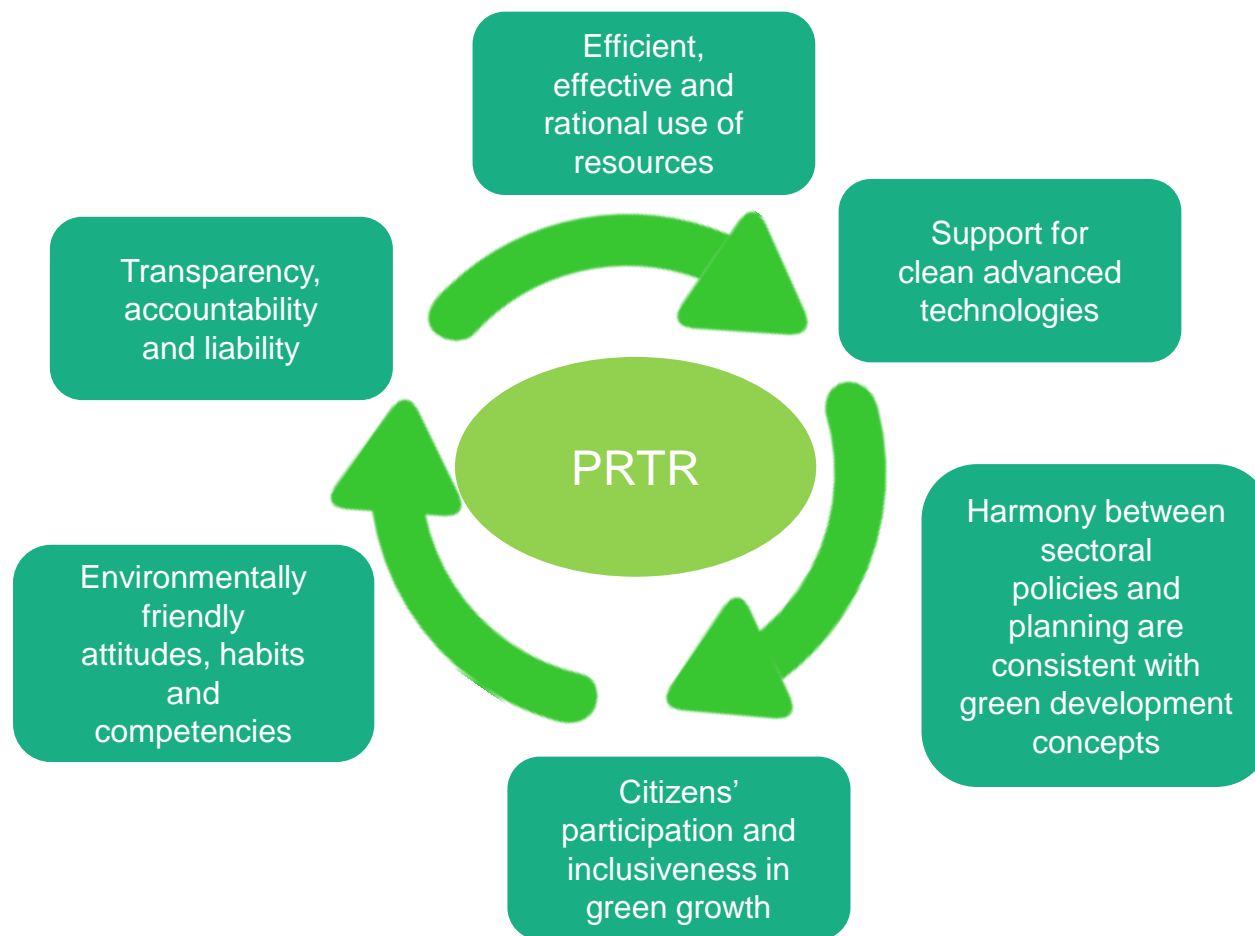
Ask the UNITAR
PRTR team!

Live chat →



5) Why PRTR in Mongolia?

- ✓ To support National Green Development Policy (2014)
- ✓ Develop industrial mapping of Mongolia
- ✓ Establish a single environmental data pool and improve information quality
- ✓ Provide conditions to monitor and reduce air, water and soil pollution
- ✓ Support the access of national companies to international markets
- ✓ Raise public awareness on environmental issues
- ✓ Provide public with easy accessible information on environmental emissions



Challenges:



Legal and regulatory framework for supporting and driving green development



Awareness, knowledge, understanding and behaviour of citizens and public



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



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

The development of a National PRTR will be a cross-cutting support for implementation of the Action Program:

- ***2.1 Develop Industrial Mapping of Mongolia***

- ➔ PRTR will provide the Government and the public with an interactive map of reporting industries, with a description of economic activity and quantity of released pollutants.

- ***4.1.1 Implement green growth policies designed to introduce advanced and effective technology friendly to environment and human health, to save resources and ensure their reuse and recycle.***

- ➔ PRTR is a tool which can be used to advocate green growth policy, as it contributes to monitor the effects of climate change mitigation. It also advocates for environmental friendly technologies, as it acts as an incentive to switch to cleaner technology.

- ***4.3.4 Set up environmental research and analysis centre, increase the capacity of environmental research and monitoring, establish a single environmental data pool and improve information quality and outreach to the public.***

- ➔ PRTR could be the stepping stone for:
 - *Creating a single environmental data pool*
 - *Providing researchers with more quality data*
 - *Public awareness raising of environmental issues*

6) Conclusion

- ✓ 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

Thank you!



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Division for Planet

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