# USES AND APPLICATIONS OF PRTRS

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EXPERIENCES IN THE DEVELOPMENT AND IMPLEMENTATION OF PRTR -USES AND APPLICATIONS -WEBINAR



## OECD Environment, Health and Safety (EHS) Programme

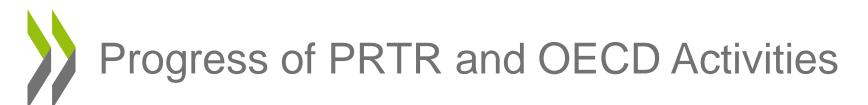
38 Member countries, many partner countries and other stakeholders work together to develop and co-ordinate activities on chemical safety and biosafety on an international basis.

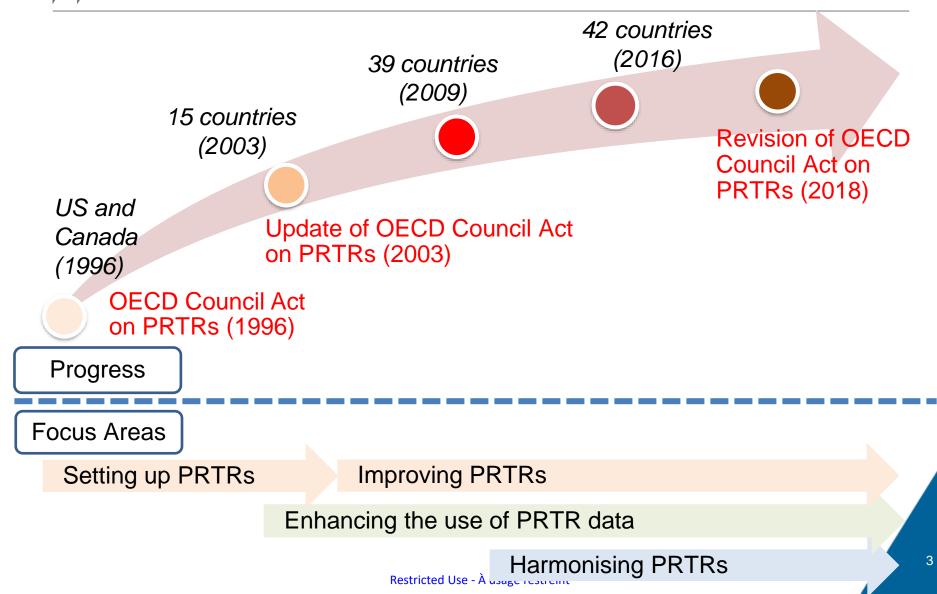
The main objectives of the Programme are to:

- Assist OECD Member countries' efforts to protect human health and the environment through improving chemical safety and biosafety
- Make chemical control policies more transparent and efficient and save resources for government and industry; and
- Prevent unnecessary distortions in the trade of chemicals, chemical products and products of modern biotechnology.

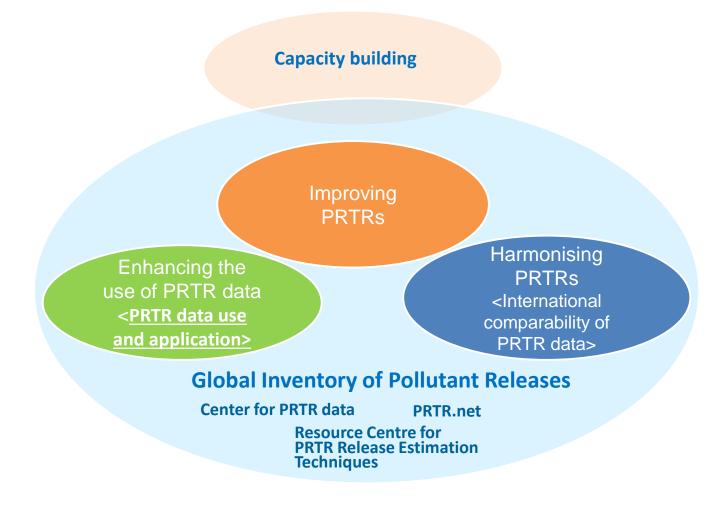


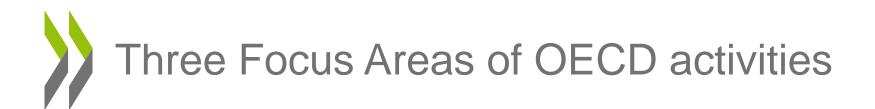
www.oecd.org/chemicalsafety/











### **Improving PRTRs**

PRTR data are usually not directly measured, but estimated



- Support countries to improve PRTR data quality by updating the Release Estimation Techniques to quantify pollutants
  - 1. Point source (revising) 2. Non-point source (2020)
  - 3. Off-site transfer (2017) 4. Release from products (2017)

#### Enhancing the use of PRTR data

PRTRs are rich sources of information

- Support countries to use PRTR data
- Use of PRTR data for tracking SDGs progress (2021, the dashboard for tracking pollutant releases is regularly updated)
- Data uses and tools for their presentation (2023, dashboard is regularly updated)

### Harmonising PRTRs

•PRTRs have been established throughout the world, but vary across countries.

• Harmonising PRTRs enables global analysis and comparison between countries

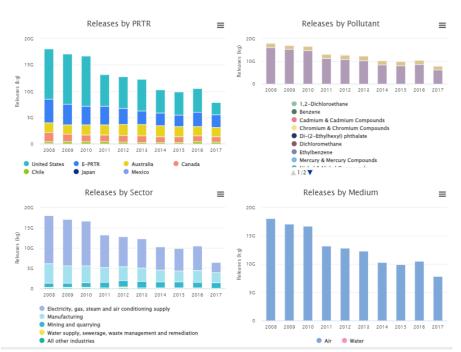
Support countries to implement harmonised PRTRs by

- Provide Harmonised lists of pollutants (2022), and reporting sectors (2013)
  - Provide Guidance Document on PRTR (2014, 2015)

# Using PRTR information to evaluate progress towards the SDG 12

- Published in 2021.
- Global analysis on PRTR data from 7 systems (Australia, Canada, Chile, E-PRTR, Japan, Mexico, United states)
- Aims to track progress toward the SDG 12
- Executive Summary and video released (in Spanish, in Japanese, and in French available)

By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and **significantly reduce their releases to air, water and soil** in order to minimize their adverse impacts on human health and the environment.

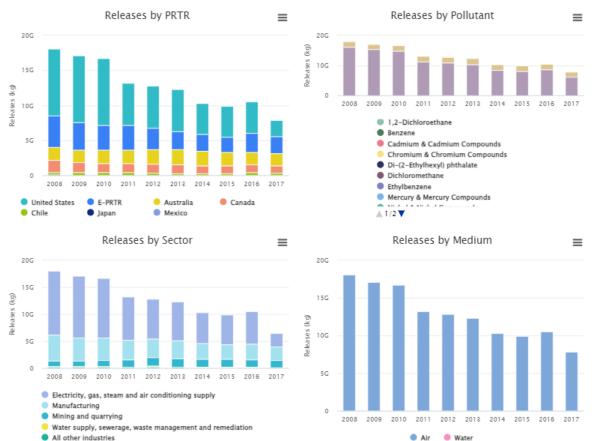




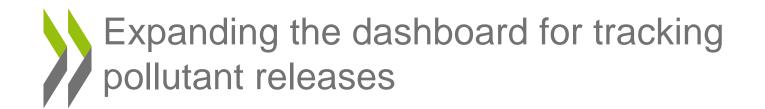
https://www.youtube.com/watch?v=rzzQiMViups

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# Dashboard for tracking pollutant releases



- 14 pollutants
- focused on <u>manufacturing sector</u>
- focused on <u>on-site releases to air and water</u>
- Results: in kg, Human (cancer) toxicity-weighted releases, Human (non-cancer) toxicity-weighted releases, Ecotoxicity-weighted releases
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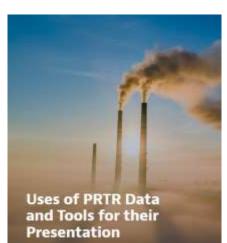
 The dashboard for tracking pollutant releases could be expanded to other countries including non-OECD countries.

 The expanded dashboard could contribute to the discussion on the indicator to measure progress with the implementation of the Global Framework on Chemicals.

# Uses of PRTR Data and Tools for their Presentation

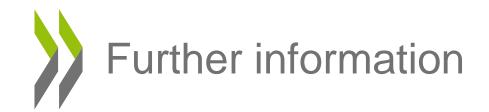
- Report: published in May 2023
- Dashboard
  - compiles good practices of the data uses and tools for their presentation, which were gathered from member countries.
  - illustrates the varied uses of PRTR data and encourages additional audiences to access PRTR data.
- The examples of the data uses were classified by;
  - 1. Policymaking, 2. Environmental Performance Assessment
  - 3. Risk Assessment, 4. Education and Research
  - 5. Environmental Justice, 6.Building Partnerships/ Supporting Public Trust
- The examples of PRTR data tools are sorted by;
  - 1. Presentation of PRTR data, 2. Ranking
  - 3. Geographic Information Systems/Mapping
  - 4. Toxicity Weighting, 5. Data Visualisations

https://www.oecd.org/en/topics/monitoring-and-preventing-industrial-pollution.html



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#### PRTR databases/tools to assist countries under the Global Inventory of Pollutants Releases of the OECD • Clearinghouse of guidance • National PRTR data from manuals and documents OECD countries at one on release estimation Internet location techniques OECD And FRITZ Day Resource Centre for Centre for Release PRTR data **Resource Centre for Pollutant Release and Transfe** Estimation Registrants Release Estimation Techniques - OEC Techniques IOMC-Toolbox – **PRTR.net** National management scheme for PRTRs PRTRs section Stepwise guidance for • Global portal to PRTR PRTR initiation, information and operation, and long-term activities around the success Home | IOMC-Toolbox (iomctoolbox.org) world se - À usage



Website: 

> https://www.oecd.org/en/topics/monitoring-andpreventing-industrial-pollution.html

Email: naoko.moritani@oecd.org 



#### Tracking pollutant releases by country, pollutant or sector

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