

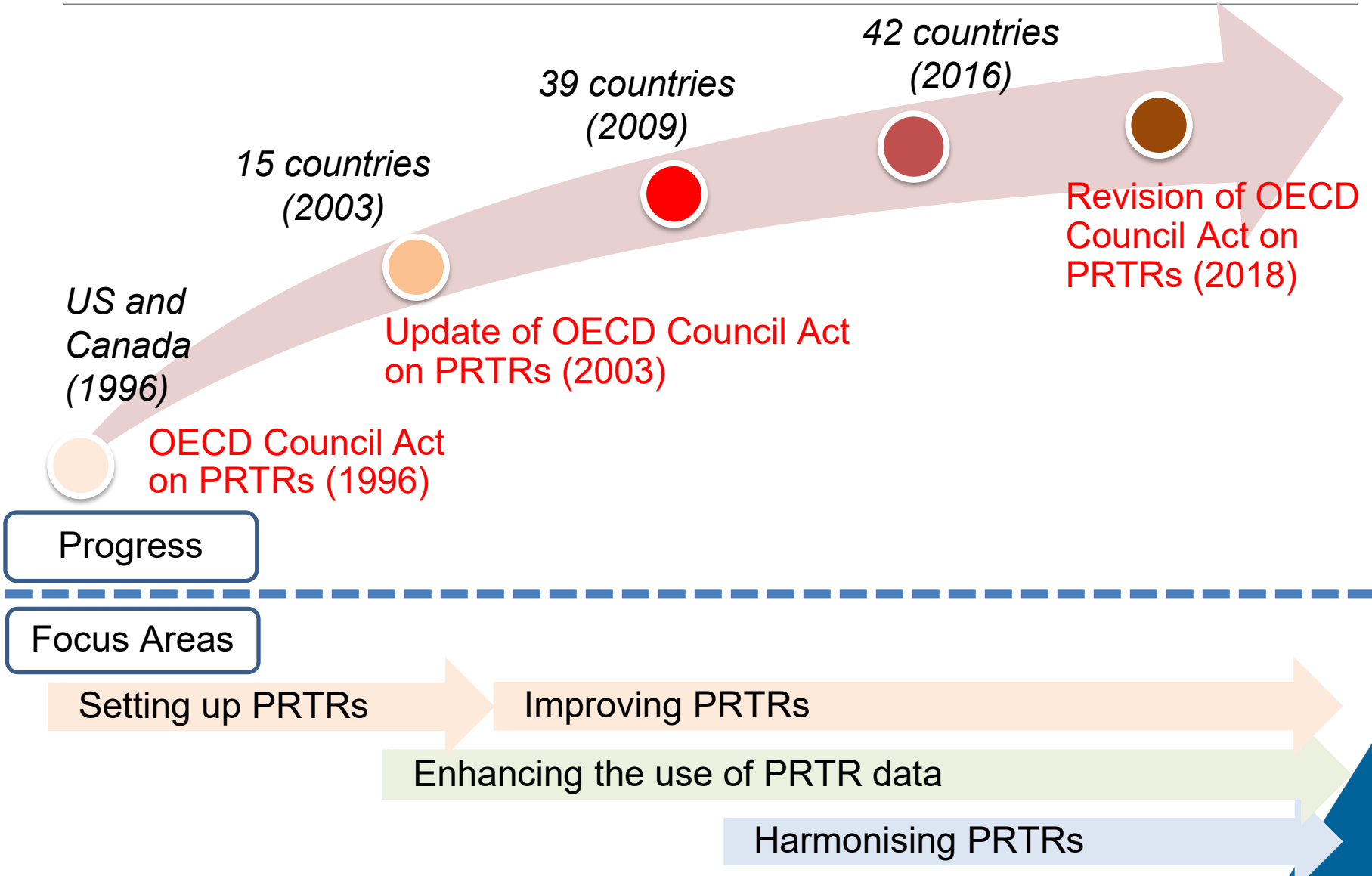


# OECD ACTIVITIES ON PRTRs

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# Progress of PRTR and OECD Activities





# Council Recommendation on PRTRs 2018

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- Adopted in 2018
- 40 Adherents (38 member countries + Brazil and Bulgaria)
- The revised Recommendation aims to provide coherent guidance, especially on the following:
  - Establishment of PRTRs
  - Implementation of PRTRs
  - Evaluation and Revision of PRTRs



# Three Focus Areas of OECD activities

## 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
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)
- Data uses and tools for their presentation (revising)

## 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 (revising)
- Provide Guidance Document on PRTR (2014, 2015)
- the Council Act on PRTRs to set standard of harmonised PRTRs (2018)

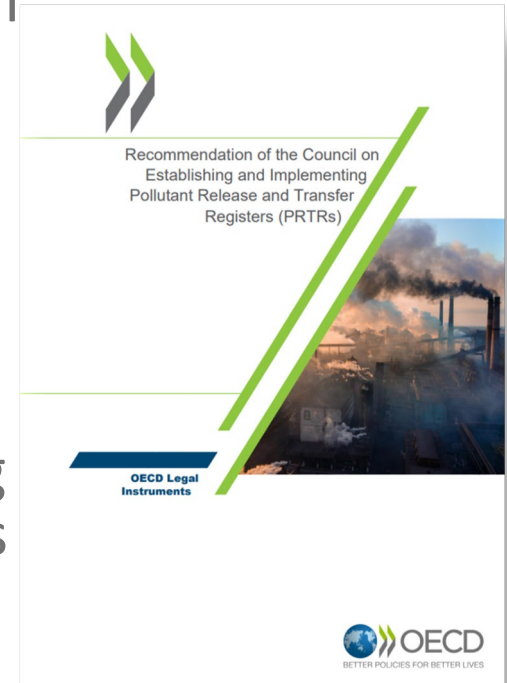


# Report on five-year implementation of 2018 Council Recommendation on PRTR (1)

- 5-year implementation of the Recommendation was reported to the Council in April 2023.
- The report was published on [the OECD Legal website](#) with a booklet.

## (Summary and Conclusions)

- Adherents have made significant and ongoing efforts to implement the Recommendation as a whole.
- Some improvements that Adherents could address further in implementing the Recommendation are related to
  - PRTR data application
  - international comparability of PRTR data



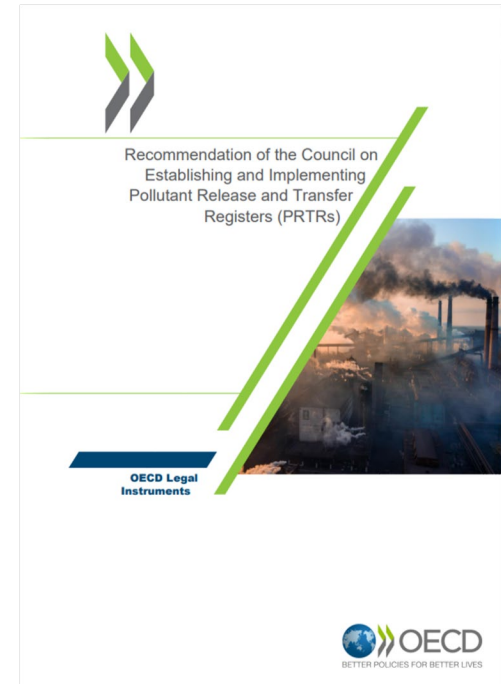


# Report on five-year implementation of 2018 Council Recommendation on PRTR (2)

(Summary and Conclusions) (Cont'd)

(ii) international comparability of PRTR data

- Cooperations with other international policy frameworks could contribute to the further improvement of international comparability.
- **The OECD harmonised list could be considered in the revising process of the list of target pollutants under the Kyiv Protocol** through close communication between both international frameworks.
- Future actions by Adherents could include considering the OECD Harmonised list and enhancing regional and international cooperation for the harmonisation.





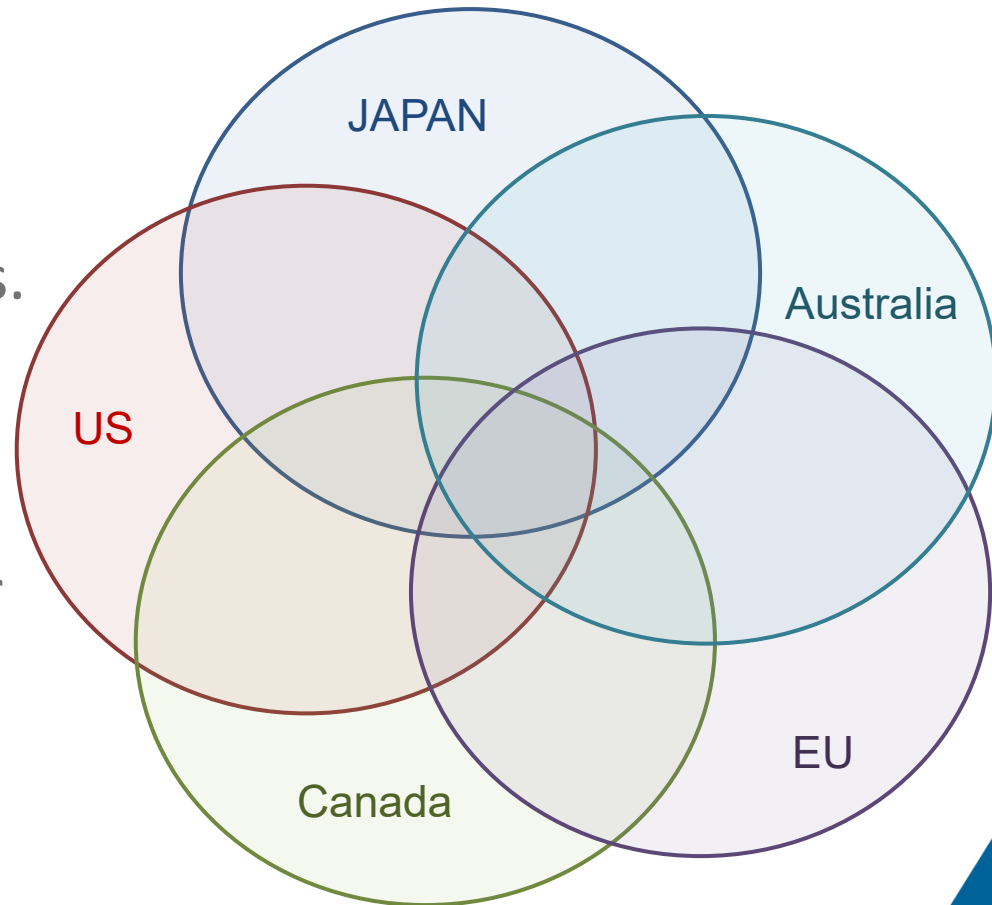
# (Reference) Harmonised list of Pollutants (Long/Short list)

## [Long Chemical List]

- Chemicals covered by at least one of the five PRTRs.

## [Short Chemical List]

- Chemicals covered by four or more of the five PRTRs,
  - + POPs
  - + GHGs
  - + Chemicals covered under the Kiyv Protocol.

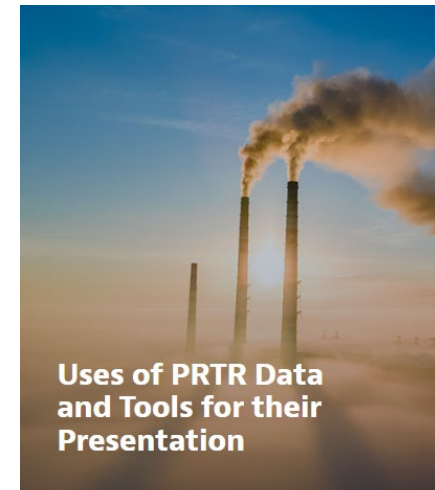


\*The latest [harmonised list of pollutants](#) was published in June 2022.



# Uses of PRTR Data and Tools for their Presentation

- The new document was published in May 2023 with an [interactive database](#).
  - 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



Country/Organisation	Data Use	Description
Israel	Identify areas with high emission intensity: Haifa Bay Report Low Emission Zone The Future of Haifa Bay	Haifa is the municipality with the highest number of reporting facilities to the Israeli PRTR (17 reports in 2020). Many of the facilities are in the old industrial area of Haifa Bay, where petrochemical industries are currently active. In the annual PRTR report of 2013 (published in October 2014), Haifa led the list of localities in non-methane volatile organic compounds (NMVOC) emissions. Haifa also had the highest emission density (kg emission per square kilometer). As a result, the Government passed the decision National plan for decreasing air pollutants and diminishing environmental hazards in Haifa 2015-2020.
Israel	Israel's Environmental Impact Index	Israel's Environmental Impact Index provides the public and investors with information that allows them to make comparisons between major Israeli companies regarding companies' environmental performances and risks. Compiled by the Ministry of Environmental Protection, the Index is the first tool of its kind put together by a government source. This enables investors to receive a simple and direct indication of the level of their financial risk, based on companies' actions and activities.
Israel	Examine correlation between emissions and socio-economic status (not yet published)	The purpose of this work is to use PRTR data to examine the relationship between the level of emissions to air in a municipality and its socio-economic index. The level of emissions to air is represented by the external cost of emissions.
Israel	Identifying various environmental aspects that require policy making	This site provides access to Israel's PRTR information and includes tools and information for policymaking, such as: <ul style="list-style-type: none"><li>• Identifying increased emissions of pollutants from a specific</li></ul>
<b>Total</b>		

Category: All  
 Environmental Justice  
 Environmental Performance Assessment  
 Policymaking

Stakeholder  
 National Government/Agency

Country/Organisation  
 (Blank)  
 Canada  
 CEC  
 Chile  
 EU  
 Israel  
 Japan

Data Use | Data Presentation

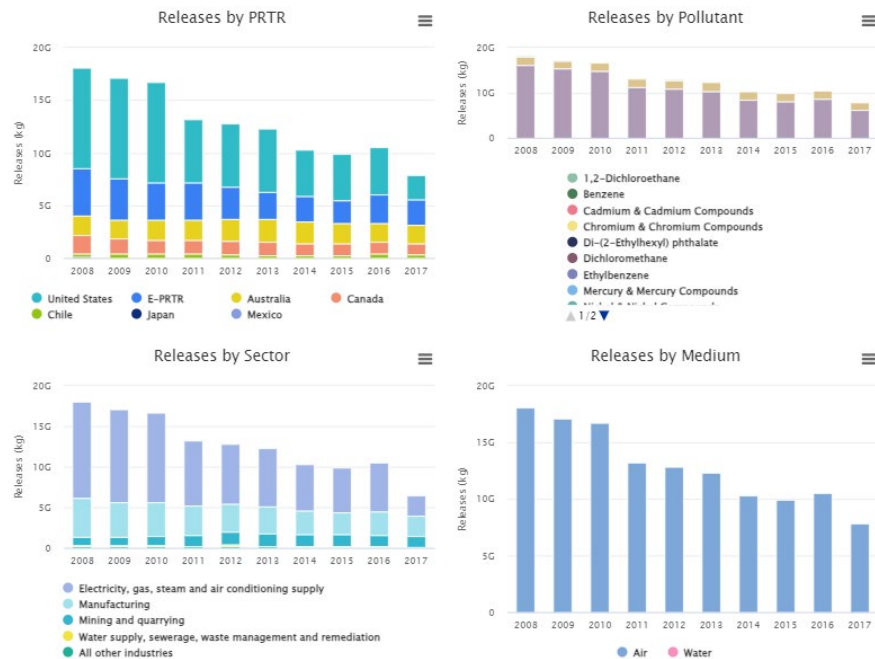




# Using PRTR information to evaluate progress towards the SDG 12

- 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.*





## Possible idea on expanding “Global Inventory of Pollutants Releases” of the OECD

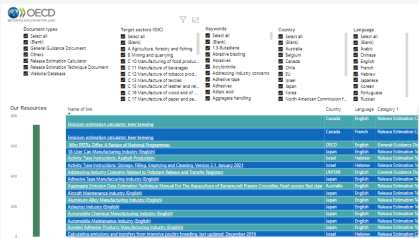
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- Expanding “Global Inventory of Pollutants Releases” to other countries, especially non-OECD countries that adhere to the Kyiv Protocol on PRTRs could be a possible activity in the OECD.
- Further investigation on the possibility could be done through close communication between the UNECE and the OECD.



# PRTR databases/tools to assist countries under Global Inventory of Pollutants Releases of the OECD

- Clearinghouse of guidance manuals and documents on release estimation techniques

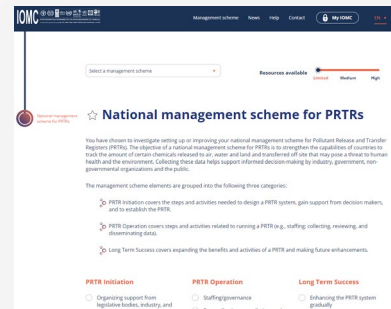


Resource Centre for Release Estimation Technique

- National PRTR data from OECD countries at one Internet location



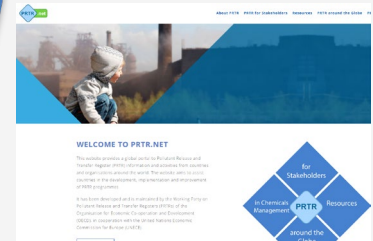
Centre for PRTR data



IOMC-Toolbox – PRTRs section

- Stepwise guidance for PRTR initiation, operation, and long-term success

PRTR.net



- Global portal to PRTR information and activities around the world



# OECD Working Party on PRTRs

- ❖ Consists of policy & technical experts from
  - OECD members and observer countries
  - Relevant organisations (UNECE, UNITAR, UNEP)
  - Industries and NGOs
- ❖ Assists countries to establish and implement PRTRs by:
  - Developing tools and providing guidance
  - Facilitating data sharing between countries
  - Exchanging recent challenges and good practices

2023	6 <sup>th</sup> Meeting of WP-PRTRs: 26-27 January in Paris
2024	7 <sup>th</sup> Meeting of WP-PRTRs: <b>30-31 January in Paris</b>
2024	8 <sup>th</sup> Meeting of WP-PRTRs: November in Geneva back to back with Global Round Table & WG-Protocol meeting



# Further information

- Website: <https://www.oecd.org/chemicalsafety/pollutant-release-transfer-register/>
- Email: [naoko.moirtani@oecd.org](mailto:naoko.moirtani@oecd.org)

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Global Inventory of Pollutant Releases

The OECD brings you publications and data on Pollutant Release and Transfer Registers (PRTRs) and presents a tool to explore trends in global releases.

Latest news

Report: Using PRTR Information to Evaluate Progress Towards the Sustainable Development Goal 12  
Access the Executive Summary and video in Spanish

Tracking the progress

Global inventory of Pollutant Releases

The Global Inventory of Pollutant Releases provides information on the Pollutant Release and Transfer Registers (PRTRs) from countries around the world. Explore trends in releases, access the data, and view OECD's collection of publications on pollutant inventories and release estimation techniques.

OECD work on PRTRs

Introduction to PRTRs OECD activities to assist PRTR implementation Databases on PRTR

Expand all

– Explore and visualise pollutant releases by country, pollutant or sector

Exploring data from multiple PRTRs simultaneously provides input on the global picture of pollutant releases. Use the filters above the set of figures below to explore PRTR data by country, pollutant, or sector. Note that this beta presentation of the data includes air and water release data from seven PRTRs and 14 pollutants; it does not include all PRTRs, all pollutants reported to these PRTRs, or releases to land.

The data presented in the charts below can be downloaded by clicking on the CSV button under the figures.

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1. PRTR: All PRTR  
2. Pollutant: Select pollutant(s)  
3. Sector: Select  
4. Medium: Select  
5. Results: Results in fig

Releases by PRTR

Releases by Pollutant

Releases by Sector

Releases by Medium

Legend:

- 1,2-Dichloroethane
- Benzene
- Cadmium & Cadmium Compounds
- Chromium & Chromium Compounds
- Di-(2-ethylhexyl) phthalate
- Dichloromethane
- Ethylbenzene
- Mercury & Mercury Compounds
- Other
- Electricity, gas, steam and air conditioning supply
- Manufacturing
- Mining and quarrying
- Water supply, sewerage, waste management and remediation
- All other industries

Medium: Air, Water