

Guidance of the database

1. Introduction

According to the OECD Council Recommendation on PRTRs (1996), OECD member countries have developed and implemented PRTR systems in their respective countries. In the annex of the Council Recommendation, it is recommended that PRTR systems should allow, as far as possible, comparison and co-operation with other national PRTR systems.

This database is the first step to share PRTR data across countries. This database includes PRTR data from Australia, Belgium, Canada, England & Wales, Japan, the Netherlands, Scotland and USA. (Data of other countries and other years will be added in the database.) PRTR data included in this database is compiled by national or regional level. The database does not include PRTR data of individual sources/facilities.

This database can help users to share PRTR data regionally or internationally within the OECD member countries.

2. Notification of understanding the data

Various differences exist among national PRTR systems in each country (e.g. development and objective of the system, requirement of companies, subject chemicals, type of release and transfer for reporting, etc.). For example;

- Reporting thresholds such as the definition of subject industry sectors, number of full-time employees, activity/use of subject chemicals, etc. differs among the countries.
- In some countries, ozone-depleting substances and/or carbon dioxide require reporting while in others they do not.
- Some countries compile the release and transfer data reported by facilities only. On the other hand, others compile the release and transfer of data reported by facilities, and in addition also estimate the releases and transfers from diffuse sources.
- **Hence, users should note that due to differences of substances being reported, their reporting thresholds etc between the listed countries, it might be misleading to compare the PRTR data of countries listed in this website. These differences in the reporting systems between the listed countries can be viewed by clicking the appropriate links within the website.**

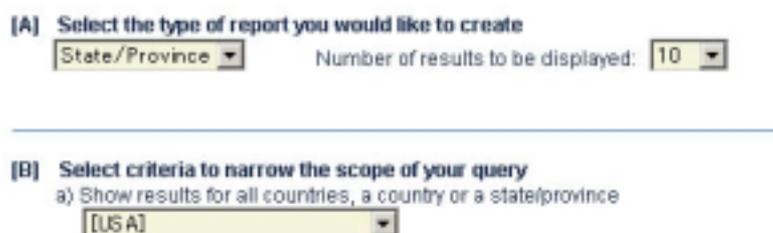
3. Using the database

Users can create a report of the PRTR data by selecting the years, countries, regions, industry sectors, chemicals, types of sources, and types of releases and transfers. Details of these elements

are described in another paper entitled “Structure of the database”.

3.1 Selecting the type of report

At first, users select the type of report they would like to create from the country, state/province, industry sector, or chemical.



The image shows a web interface with two main sections. Section [A] is titled "Select the type of report you would like to create" and contains a dropdown menu with "State/Province" selected and a "Number of results to be displayed:" label followed by a dropdown menu with "10" selected. Section [B] is titled "Select criteria to narrow the scope of your query" and contains a sub-label "a) Show results for all countries, a country or a state/province" followed by a dropdown menu with "[USA]" selected. A horizontal line separates the two sections.

Fig.3.1 Image of selecting the type of report

3.2 Selecting each element

Secondly, users select the country or region (state/province/prefecture), chemical, industry sector, years, type of sources, and type of releases and transfers . Details of how to select these elements are described in another paper entitled “Structure of the database”

[B] Select criteria to narrow the scope of your query

a) Show results for all countries, a country or a state/province

b) Select one from the following three types of search for chemicals,
 (1) Select a specific chemical name
 (2) Enter a CAS NO
 (3) Enter a chemical name or some parts of the chemical name

(1) Take into account all chemicals or a specific chemical

(2) Enter a CAS NO. (as ****-**-*)

(3) Enter a chemical name or parts of chemical name

All of these words
 Any of these words

c) Take into account data for the following industry sector

[C] Select for the sources you want a report

Total of point and diffuse sources
 Point sources (reported by sources)
 Diffuse sources (estimated by the government)

[D] Select the year/years you want the report(s) of

2001 2002

[E] Select the type of emissions and/or transfers you want a report of

Total releases and transfers

Total releases

- Air emissions
- Surface water discharges
- Land emissions
- Landfills

Total transfers

- Off-site transfers in waste
 - Off-site transfers to disposal
 - Off-site transfers to treatment
- Off-site transfers for recycling
- Off-site transfers for energy recovery
- Transfers to sewage

Fig.3.2 Image of selecting each element

3.3 Searching result

Users can view the PRTR data they have selected, as shown in section 3.1 and 3.2, by clicking the “Result” button. Some samples of search results are shown in Fig 3.3 to Fig 3.7.

Result-

Type of Report: Country
 Country: All countries
 Sources: Total of point and diffuse sources
 Chemical: benzene
 Year: 2001
 Industry Sector: All sectors

Selected elements

[\(List of Reporting thresholds\)](#)

[\(List of subject chemicals , List of selecting criteria of subject chemicals\)](#)

[\(List of subject industry sectors\)](#)

Releases and/or transfers data are in kilograms
 If you click a name of country, you can see outline of PRTR system.

*** It is not adequate to compare these data. ***

NI: Not Reporting
 OR: Out of Reporting

HitTotalCount : 8
 PageCount : 11
 DisplayCount : 1-60
 < Previous 10 matches not 10 matches >

Country*	Year	Releases					Transfers			
		Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers to waste	Off-site transfers to disposal	Off-site transfers to treatment	Off-site transfers for recycling
Australia	2001	1,693,798.32	346,729.44	274.00	NR	2,040,802.05	NR	NR	NR	NR
Summary of PRTR system Name of system: NPI Number of subject chemicals: 90 (List of subject chemicals) Subject industry sectors: List of subject industry sectors Reporting thresholds: List of reporting thresholds Type of sources: Point sources (reported by sources) Website: http://www.epi.gov.au/										
Belgium	2001	122,680.00	NR	NR	NR	122,680.00	NR	NR	NR	NR
Summary of PRTR system Name of system: EPER (EU) Number of subject chemicals: 50 (List of subject chemicals) Subject industry sectors: List of subject industry sectors Reporting thresholds: List of reporting thresholds Type of sources: Point sources (reported by sources) Website: http://www.epet.ec.eu.int/										
Canada	2001	1,046,211.00	449.00	96,998.00	380.00	1,147,477.00	142,793.00	136,631.00	6,262.00	11.7
Summary of PRTR system Name of system: NPRI Number of subject chemicals: 273 (List of subject chemicals) Subject industry sectors: List of subject industry sectors Reporting thresholds: List of reporting thresholds Type of sources: Point sources (reported by sources) Website: http://www.ec.gc.ca/pst/nri/nri_home_e.cfm										
Country*	Year	Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers to waste	Off-site transfers to disposal	Off-site transfers to treatment	Off-site transfers for recycling

Each country's data is listed.

Summary of PRTR system is listed.

Fig.3.3 Sample of searching result (1)
 (Selected “country” in section 3.1)

Result-

Type of Report: State/Province
Country: USA
Source: Total of point and diffuse sources
Chemical: zinc and its compounds
*zinc - USA, its compounds, PPM, its water-soluble compounds
Year: 2001
Industry Sector: All sectors

Selected elements

[\(See Outline of PRR System\)](#)
[\(See List of Countries for this Chemical\) - See Selected Criteria of Selected Chemicals](#)
[\(See Definition of Industry Sector\)](#)

*Releases and/or transfers data are in kilograms
 If you click a name of country, you can see outline of PRR system.

*** It is not adequate to compare these data. ***

NR: Not Reporting
 OR: Out of Reporting

HitCount: 38
 PageCount: 16
 DisplayCount: 1-15/38
[< Previous 10 matches and 30 matches >](#)

Region	Country*	Year	Releases				Transfers			
			Air emissions	Surface-water discharges	Land emissions	Landfills	Total releases	Off site transfers to waste	Off site transfers to disposal	Off site transfers to treatment
Alaska	USA	2001	26,754.09	384.29	4,135,263.64	136,773,831.36	140,837,333.16	NR	NR	NR
Alabama	USA	2001	60,743.18	34,172.27	NR	3,247,609.55	3,342,525.00	2,159,696.82	2,159,696.82	NR
Arizona	USA	2001	30,266.36	17,796.36	3,383.91	136,200.00	396,633.64	6,277,440.91	6,277,440.91	NR
American Samoa	USA	2001	NR	NR	NR	NR	NR	NR	NR	NR
Arkana	USA	2001	11,430.00	206.36	NR	30,772,546.16	30,794,264.55	51,826.36	51,826.36	NR
California	USA	2001	18,867.73	6,082.73	613.64	484,741.82	477,105.91	340,816.82	340,816.82	NR
Colorado	USA	2001	24,171.36	4,620.46	NR	1,344,462.27	1,373,254.09	218,519.55	218,519.55	NR
Connecticut	USA	2001	2,585.45	2,893.91	NR	52.73	6,089.09	196,332.27	196,332.27	NR
District of Columbia	USA	2001	NR	NR	NR	NR	NR	NR	NR	NR
Delaware	USA	2001	5,900.91	3,093.64	NR	19,380.91	29,275.45	34,056.36	34,056.36	NR

Similarity of PRR system:
 Name of system: TR
 Number of subject chemicals: 807 [\(List of subject chemicals\)](#)
 Subject industry sectors: [List of subject industry sectors](#)
 Reporting thresholds: [List of reporting thresholds](#)
 Type of sources: Point sources (reported by sources)
 Website: <http://www.epa.gov/>

Each state's data is listed

Fig.3.4 Sample of searching result (2)
 (Selected "state/province" in section3.1)

-Result-

Type of Report: Industry sector
 Country: Canada
 Sources: Total of point and diffuse sources
 Chemical: toluene
 Years: 2001
 Industry Sector: All sectors

Selected elements

- {List of Reporting Thresholds}
- {List of subject chemicals , List of selecting criteria of subject chemicals}
- {List of subject industry sectors}

*Releases and/or transfers data are in kilograms

*** It is not adequate to compare these data. ***

NR: Not Reporting
 OR: Out of Reporting

HITotalCount : 57
 PageCount : 18
 DisplayCount : 1-10/57
 < Previous 12 matches next 10 matches >

Industry sector ⁺	Year	Releases	
		Air emissions	Surface water discharges
1.Agriculture, hunting and related service activities.	2001	NR	NR
2.Forestry, logging and related service activities.	2001	OR	OR
5.Fishing, operation of fish hatcheries and fish farms; service activities incidental to fishing.	2001	NR	NR
10.Mining of coal and lignite; extraction of peat.	2001	OR	OR
11.Extraction of crude petroleum and natural gas; service activities incidental to oil and gas extraction excluding surveying.	2001	430,574.00	15.00
12.Mining of uranium and thorium ores.	2001	OR	OR
13.Mining of metal ores.	2001	NR	NR
14.Other mining and quarrying.	2001	NR	NR
15.Manufacture of food products and beverages.	2001	NR	NR

Each industry sector's data is listed.

Fig.3.5 Sample of searching result (3)
 (Selected "industry sector" in section3.1)

-Result-

Type of Report : Chemical
 Country : Japan
 Sources : Total of point and diffuse sources
 Chemical : All chemicals
 Years : 2001
 Industry Sector : Manufacture of chemicals and chemical products

(List of Reporting thresholds)

(List of subject chemicals , List of selecting criteria of subject chemicals)

(List of subject industry sectors)

Selected elements

*Releases and/or transfers data are in kilograms or kilodecagrams

*** It is not adequate to compare these data. ***

NR : Not Reporting
 OR : Out of Reporting

HITotalCount : 1150
 PageCount : 10/15
 DisplayCount : 1-10/1150

< Previous 10 matches next 10 matches >

Chemical*	Year	Unit	Releases					Transfers	
			Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers in waste	Off-site transfers to disposal
formaldehyde	2001	kg	118,544.00	39,541.00	36.00	1,000.00	159,121.00	582,865.00	NR
Dichlorodiphenyltrichloroethane (DDT) - All isomers	2001	kg	OR	OR	OR	OR	OR	OR	OR
benz(a)pyrene	2001	kg	OR	OR	OR	OR	OR	OR	OR
piperonyl butoxide	2001	kg	OR	OR	OR	OR	OR	OR	OR
fluorouracil	2001	kg	OR	OR	OR	OR	OR	OR	OR
2,4-dinitrophenol	2001	kg	NR	NR	NR	NR	NR	55,000.00	NR
urethane	2001	kg	OR	OR	OR	OR	OR	OR	OR
2-bromo-2-nitropropane-1,3-diol	2001	kg	OR	OR	OR	OR	OR	OR	OR
bischlorfen	2001	kg	NR	5.00	NR	NR	5.00	1,053.00	NR
lanphur	2001	kg	OR	OR	OR	OR	OR	OR	OR

Each chemical's data is listed.

Fig.3.6 Sample of searching result (4)
 (Selected "chemical" in section3.1)

-Result-

Type of Report : Country
 Country : All countries
 Sources : Total of point and diffuse sources
 Chemical : trichloroethylene
 Years : 2001,2002
 Industry Sector : All sectors

Selected elements

([List of Reporting thresholds](#))
 ([List of subject chemicals](#) - [List of selecting criteria of subject chemicals](#))
 ([List of subject industry sectors](#))

*Releases and/or transfers data are in kilograms
 *If you click a name of country you can see outline of PRTR system.

*** It is not adequate to compare these data. ***

NR: Not Reporting
 OR: Out of Reporting

HitTotalCount : 8
 PageCount : 1/1
 DisplayCount : 1-88
 < Previous 10 matches next 10 matches >

Country [*]	Year	Releases					Transfers			
		Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers in waste	Off-site transfers to disposal	Off-site transfers to treatment	Off-tran for i
Australia	2001	260,166.56	NR	NR	NR	260,166.56	NR	NR	NR	
	2002	275,587.80	NR	NR	NR	275,587.80	NR	NR	NR	

Summary of PRTR system
 Name of system: NP1
 Number of subject chemicals: 90 ([List of subject chemicals](#))
 Subject industry sectors: [List of subject industry sectors](#)
 Reporting thresholds: [List of reporting thresholds](#)
 Type of sources: Point sources (reported by sources)
 Website: <http://www.epa.gov.au/>

Country [*]	Year	Releases					Transfers			
		Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers in waste	Off-site transfers to disposal	Off-site transfers to treatment	Off-tran for i
Belgium	2001	49,584.00	NR	NR	NR	49,584.00	NR	NR	NR	
	2002	NR	NR	NR	NR	NR	NR	NR	NR	

Summary of PRTR system
 Name of system: EPER (EU)
 Number of subject chemicals: 50 ([List of subject chemicals](#))
 Subject industry sectors: [List of subject industry sectors](#)
 Reporting thresholds: [List of reporting thresholds](#)
 Type of sources: Point sources (reported by sources)
 Website: <http://www.eper.com.eu.int/>

Country [*]	Year	Releases					Transfers			
		Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers in waste	Off-site transfers to disposal	Off-site transfers to treatment	Off-tran for i
Canada	2001	752,886.00	NR	8.00	NR	753,811.00	80,845.00	56,140.00	34,705.00	
	2002	NR	NR	NR	NR	NR	NR	NR	NR	

Summary of PRTR system
 Name of system: NPRI
 Number of subject chemicals: 273 ([List of subject chemicals](#))
 Subject industry sectors: [List of subject industry sectors](#)
 Reporting thresholds: [List of reporting thresholds](#)
 Type of sources: Point sources (reported by sources)
 Website: http://www.ec.gc.ca/eddb/nri/nri_home_e.cfm

Country [*]	Year	Releases					Transfers			
		Air emissions	Surface water discharges	Land emissions	Landfills	Total releases	Off-site transfers in waste	Off-site transfers to disposal	Off-site transfers to treatment	Off-tran for i

Each year's data is listed.

Fig.3.7 Sample of searching result (5)
 (Selected year 2001 and 2002 in section3.2)