





**Ministry of the Environment
of the Czech Republic**

PRTR IN THE CZECH REPUBLIC

**PRTR: Making the data on pollution understandable
to the public**

Budva

15. 9. 2017

Ministry of the Environment
of the Czech Republic

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INTRODUCTION

Integrovaný registr znečišťování životního prostředí – IRZ
– Integrated Pollution Register

<http://www.irz.cz/>



- ❖ IRZ is database of data reported by operators of the facilities since the reporting year 2004;
- ❖ IRZ is primarily focused on public access to information related to environment;
- ❖ IRZ has a wide scope – it contains data from releases to air, land and water and waste-water transfers, waste transfers (hazardous and non-hazardous) and **pollutants in waste transfers** (this category is not covered by E-PRTR).



BRIEF HISTORY OF THE CZECH PRTR

- ❖ 2002 – Act No. 76/2002 Coll., On Integrated Prevention (PRTR agenda is included);
- ❖ 2004 – The first reporting year;
- ❖ 2005 – Establishment of the Czech PRTR (IRZ);
- ❖ 2006 – Regulation (EC) No. 166/2006 of the European Parliament and of the Council concerning the Establishment of a European Pollutant Release and Transfer Register (E-PRTR);
- ❖ 2007 – The first E-PRTR reporting year;
- ❖ 2008 – New act and government decree related to Czech PRTR and ISPOP (integrated reporting system) -> Czech PRTR is in accordance with Regulation (EC) No. 166/2006;
- ❖ 2015 – The last published reporting year in E-PRTR (<http://prtr.ec.europa.eu/>);
- ❖ 2015 – The last published reporting year (2016 in the end of September 2017).



LEGISLATION

- ❖ Act No. 25/2008 Coll., On the Integrated Pollutant Register and the Integrated Reporting System;
- ❖ Government Decree No. 145/2008 Coll., Establishing the List of Pollutants and Threshold Values and the Data required for Reporting to the Integrated Pollutant Register;
- ❖ Regulation (EC) No. 166/2006 of the European Parliament and of the Council concerning the Establishment of a European Pollutant Release and Transfer Register (E-PRTR).
- ❖ Protocol on Pollutant Release and Transfer Registers.



REPORTING PRINCIPLES

- ❖ Operators shall report releases to air, water and land, pollutants in waste-water and waste transfers and transfers of hazardous and non-hazardous waste in case of operating one or more activities listed in Annex I of the EU Regulation and/or in Annex of the Act No. 25/2008 Coll.;
- ❖ Only quantities for which the relevant threshold values have been exceeded are reported;
- ❖ The reporting obligation is fulfilled through the Integrated Reporting System (ISPOP) (<http://www.ispop.cz/>);
- ❖ Pre-filled PDF form may be used or XML file in a proper form;
- ❖ The deadline for reporting obligation is March 31.



SCOPE OF THE CZECH PRTR / E-PRTR

- ❖ 91 pollutants (in accordance with E-PRTR) + styrene and formaldehyde in releases to air (E-PRTR does not cover).
- ❖ Releases to air (60 pollutants + styrene and formaldehyde), water (71 pollutants) and land (61).
- ❖ Pollutants in waste transfers (26 pollutants).
- ❖ Waste-water transfers (71 pollutants).
- ❖ Waste transfers (2 tons/year of hazardous waste and 2000 tons/year of non-hazardous waste).



LAST STEPS

- ❖ The 2015 data were published on the 30th of September 2016.
- ❖ Brand new list of other activities instead of undefined scope – amendment of the Act No. 25/2008 Coll. – E-PRTR activities + 232 other activities or activities with lower capacity thresholds. We removed activities like services, science, car wash, health care etc.
- ❖ 2016 was the first reporting year according to modified act.



LAST REPORTING YEAR (2016) - SUMMARY

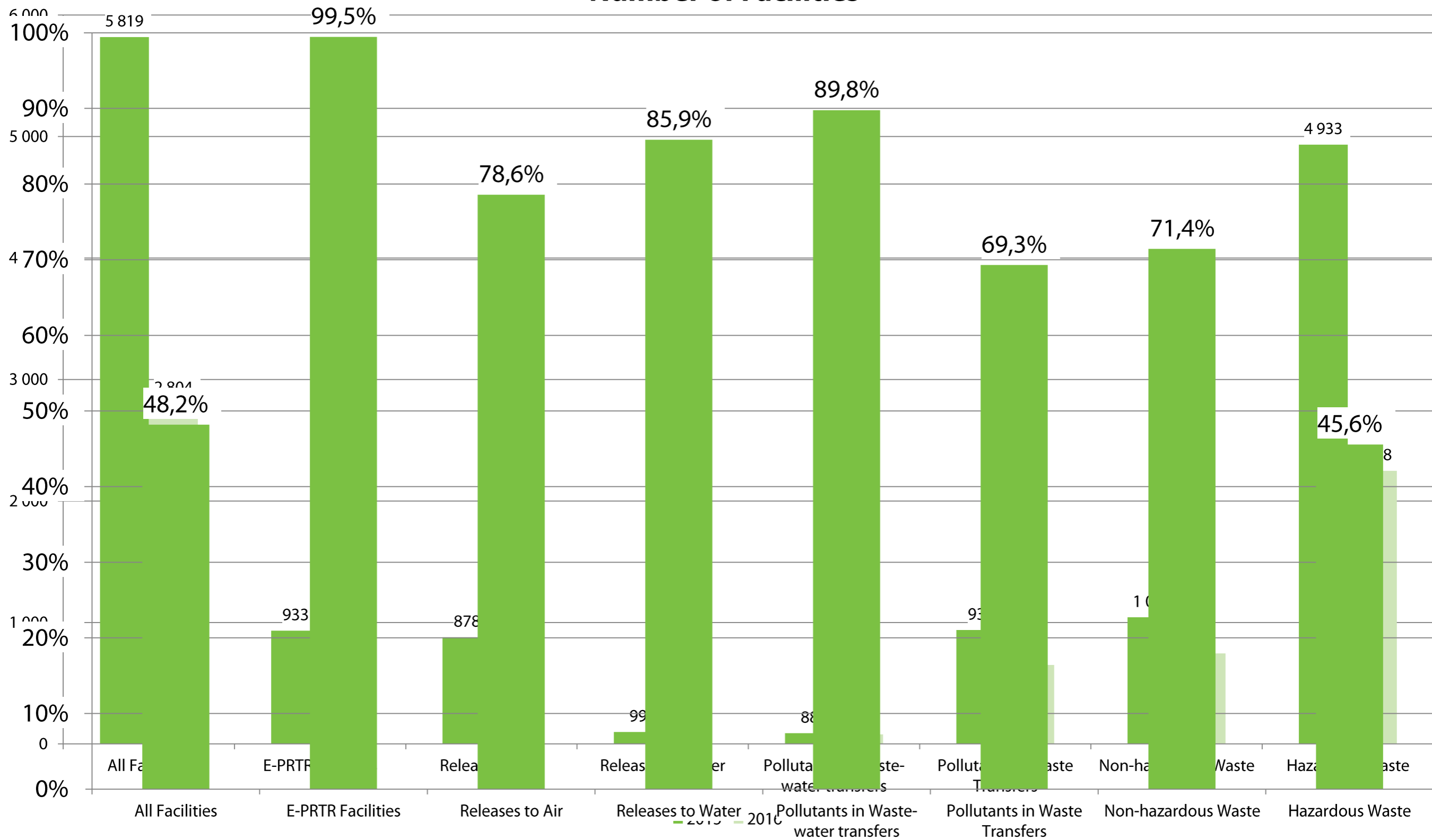
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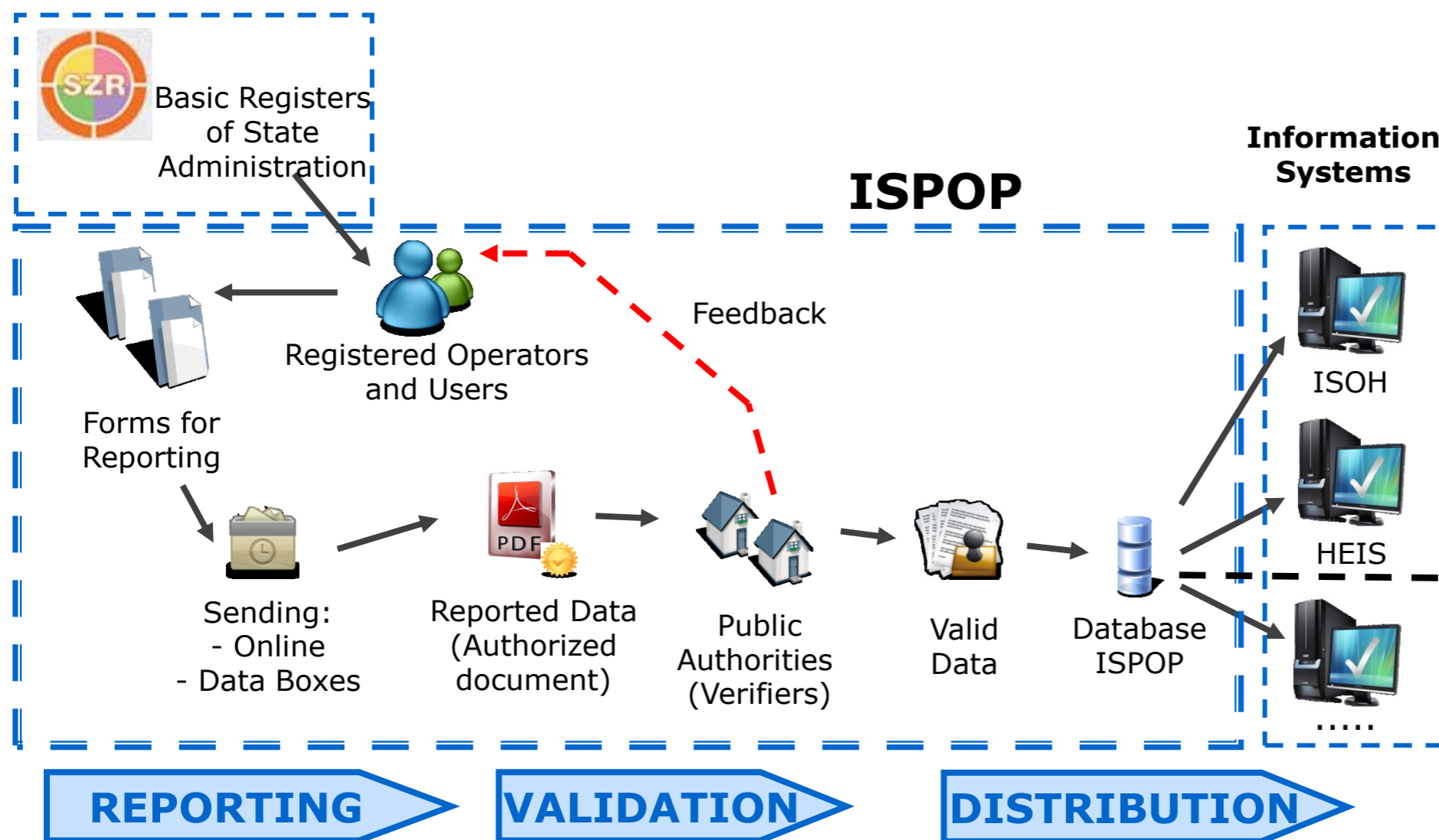
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Number of Facilities



ISPOP - REPORTING SCHEMA



We cannot use:

- Direct Connection for Updates.
- Interface for Administration.
- Automatic Data Check.
- ...



WHAT WE NEED TO IMPROVE OR WHAT WE WOULD LIKE TO IMPROVE

- ❖ Online connection between IRZ and ISPOP.
- ❖ Process automation – data checking, data updating, data exporting, ...
- ❖ Web interface for data and web pages administration.
- ❖ Easy communication with reporters.
- ❖ Providing raw and aggregated data for public.
- ❖ Map outputs, data visualization (charts, tables).
- ❖ Improved data searching and exporting (*.xls, *.csv, *.pdf, ...).
- ❖ New graphic layout of the web pages.
- ❖ Integration of data taken from other sources (IPPC, LCP, ...).



DATA USE

- ❖ NGOs at different level (local, regional, national).
 - ❖ NGO ARNIKA
 - ❖ <http://www.znecistovatele.cz/>
 - ❖ Different sorting (carcinogenic, potentially carcinogenic, mutagenic pollutants, ...) at national level.
- ❖ Public authorities at all levels (Stockholm Convention on POPs, Water Emissions Quality and WISE-1 reporting, ...).
- ❖ Universities and scientific institutions (e.g. <http://www.theses.cz/?lang=en> – approximately 700 works (search results) for „IRZ“).
- ❖ Public.



STOCKHOLM CONVENTION ON POPS

- ❖ Global treaty to protect human health and the environment from chemicals that remain intact in the environment for long periods, become widely distributed geographically, accumulate in the fatty tissue of humans and wildlife, and have harmful impacts on human health or on the environment.
- ❖ The objective of the Stockholm Convention is to protect human health and the environment from persistent organic pollutants.
- ❖ Some of the pollutants are on both lists – Stockholm Convention on POPs as well as PRTR/E-PRTR (e.g. Aldrin, DDT, PCB, PCDD, ...).
- ❖ New pollutants in Stockholm Convention on POPs list – HCBd (included in Annex II), PCP (its salts and esters are included in SC on POPs) and PCN (PRTR – naphthalene including PCN) – we would like to incorporate into Czech PRTR.



NEXT STEPS

- ❖ Analysis and validation of the 2016 data – it will be different due to new legal requirements (list of non E-PRTR activities).
- ❖ Incorporation of the new pollutants from Stockholm Convention on POPs list on the Czech PRTR list – HCBd (included in Annex II), PCP (its salts and esters are included only in SC on POPs) and PCN (E-PRTR – naphthalene including PCN) as well as putting Benzo(a)pyrene on the list of pollutants (currently it is a part of the POPs).
- ❖ EU register and joint E-PRTR/LCP reporting – preparation, testing, operational phase.
- ❖ Cooperation with IT department on minor improvements of the Czech PRTR system (major improvements could be developed with help of the EU funds).



SOURCES

❖ Czech Republic:

- Czech PRTR (IRZ) – <http://www.irz.cz>; <http://www.prtr.cz/>; <http://portal.cenia.cz/irz> (searching tool);
- ISPOP – <http://www.ispop.cz/>;
- EnviHELP – <http://helpdesk.cenia.cz/>;
- Ministry of the Environment of the Czech Republic – <http://www.mzp.cz/>;
- Znečišťovatelé pod lupou (NGO Arnika) – <http://www.znecistovatele.cz/>.

❖ International:

- European Pollutant Release and Transfer Register – E-PRTR – <http://prtr.ec.europa.eu/> (EPER data are included);
- Central Data Repository - Eionet (E-PRTR reporting system) - <http://cdr.eionet.europa.eu/>;
- Protocol on PRTR - <http://www.unece.org/env/pp/prtr.html>;
- Global PRTR Portal - <http://www.prtr.net/> (currently out of service);
- Other National PRTRs - <http://www.prtr.net/en/links/> (currently out of service);
- UNITAR - <http://www.unitar.org/cwm/prtr>.



Thank you for your attention!

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<http://www.irz.cz/>; <http://prtr.cz/>



