







# Application, use and presentation of PRTR data in the Spanish Register of Emissions and Pollutant Sources, PRTR-España



Registro Estatal de Emisiones y Fuentes Contaminantes

#### PRTR-España

Ministry of Agriculture, Food and Environment

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www.prtr-es.es











#### **Summary**

- 1. What is the PRTR-España Register?
- 2. Background
- 3. Legal Framework
- 4. How PRTR-España works
- Funcionalities for Facilities, Competent Authorities and System Administrator
- 6. Presentation of PRTR data to the public
- 7. Who uses PRTR Register and for what?
- 8. Capacity Building and Awareness Activities











## 1.- What is the PRTR-España Register











## What's PRTR-España?

**PRTR-España** is the <u>Spanish Register of Emissions and Pollutant Sources</u>, which provides information on the pollutant emissions to <u>air, water and land</u>, and <u>off-site transfer of wastes</u> from the main industrial facilities.

PRTR-España gives to the public all the information validated by the Competent Authorities, following the criteria of the European Regulation 166/2006 (E-PRTR) and the Real Decreto 508/2007 when the emission values are above the established thresholds.

**PRTR-España**, since 2007, is actually <u>the continuation of the former EPER-España</u> Register which covered the information on emissions to air and water from the IPPC industrial activities. <u>All EPER data</u> (2001 to 2006) <u>have been incorporated in PRTR-España</u>

All the process is on the Internet: www.prtr-es.es











## 2.- Background











### At the begining...







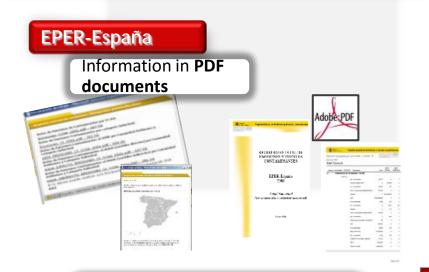








### At the begining...



Search options on line and
A few Downloads posible but only
in Excel format.





#### PRTR-España

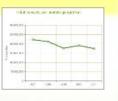
All the information line, many ways to search/consult it,...

Downloads: PDF, Word, Excel y XML





















### Legal Background (1)

#### A bit of history of emission registers in the EU...(1)

IPPC Directive (art. 15.3) 1996

Decision 2000/479 EPER (2000)

EPER Register (EU) (2001 & 2004)

(2001 to 2006)

Aarhus Convention (arts. 5.9 & 10.2)
1998

PRTR Protocol (2003) (in force since 2009)

Regulation 166/2006,

E-PRTR Register













#### Legal Background (2)

A bit of history of emission registers in the EU...(2)

## **EPER**

Only IPPC facilities from 56 industrial activities

50 pollutants

Emissions to air and water

Reporting each 3 years (2001 & 2004)



## PRTR

IPPC + PRTR facilities from 65 industrial activities

86 pollutants

Emissions to air, water, land; accidental and diffuse sources

Off-site transfers of waste

Reporting yearly basis (from 2007)











#### Legal Background (3)

A bit of history of emission registers in the EU...(3)

In EU...

**E-EPER** 

E-PRTR

**50** pollutants

**56** Industrial activities

air and water releases above thresholds

Reporting each 3 year

In UE...

91 pollutants

65 activities

Air, water, land and accidental releases above thresholds
Diffuse sources off-site transfers of wastes
Yearly basis reporting
Methods of M,C,E

#### But in Spain, since EPER...



- All emission data
- Reporting on yearly basis
  - Methods of M,C,E
- Other information (RBDs..)













#### E-PRTR

The European Pollutant Release and Transfer Register



65 Industrial activity categories



91 Pollutants



Only emission data above thresholds



#### Less level of information:

- Water: direct/indirect
- Wastes: hazardous/non hazardous
- Industrial activity: for example, chemical industry has just 6 sub-activities.



#### Scopes in the EU and in Spain

73 industrial activities (some specific categories added in Spain)

#### 115 pollutants:

-Air: TSP, Ta, Sb, V, Co, Mn, TOC to the air

-Water: disaggregated information for groups of substances (PAHs, xylenes, DDT, brominated diphenylethers)

All emission data (E-PRTR thresholds used to make data available to the public)

#### More level of information:

- Water: sewage treatment plant, coastal, river...
- Wastes: European waste codes (EWC), treatment operation (R and D), hazardous/non hazardous ...
- **Industrial activity**: for example, chemical industry splitted into 22 sub-activities.











## 3.- Legal Framework











## **Legal Framework (1)**

#### **INTERNATIONAL**

Adoption of the **PRTR Protocol** - Aarhus Convention Kiev, May 2003, 21<sup>st</sup>. **It came into force the 8th October 2009.** Spain is Party of it, since September 2009.



<u>Regulation 166/2006</u> regarding the establishment of an European Pollutant Release and Transfer Register. (E-PRTR)

#### **SPAIN**

<u>Real Decreto 508/2007</u>, regarding the information which has to be Provided to the Spanish PRTR and its amendments through the <u>Real Decreto 815/2013 (IED transposition)</u>.











### **Legal Framework (2)**

## Reasonings for RD 508/2007

Increase coherence with other environmental Registers

Clarify the scope for PRTR facilities that were not included in previous EPER Register. (Annex I: industrial activities categories; Annex II: subtances/pollutants to be reported; Annex III: data and formats)

Avoid gaps of information in the transition from EPER-España to PRTR-España

New legislation in Spain: new scopes, more facilities, more requirements: Real Decreto 815/2013, which amends the RD 508/2007











# Comunidades Autónomas (Regional Governments)

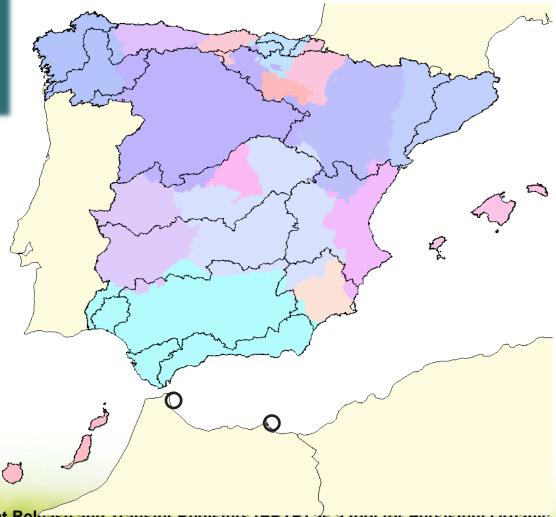
#### Comunidades autonomas

LA RIOJA
MURCIA
CATALUÑA
MADRID
NAVARRA
ANDALUCIA
VALENCIA
CANARIAS
BALEARES
CEUTA
PAIS VASCO
ARAGON
MELILLA
ASTURIAS
CANTABRIA

EXTREMADURA

GALICIA

#### **Competent Authorities (1)**























### 4.- How PRTR-España works











#### How PRTR-España works (1)

**PRTR-España** is designed as an integrated tool for **gathering, management** and **dissemination of data**, located in the Internet, taking into account the Spanish legal competencial.

This integrated electronic tool is structured in <u>two levels of access</u> with different funcionalities: **MEMBER AREA** and **PUBLIC INFORMATION**.

#### Who are "members"

**FACILITIES** (owners/operators): registration, notification and queries

**COMPETENT AUTHORITIES:** revision, validation, upload and data management; **Autonomous** Communities (ACs), River Basin District (RBDs).

**OTHER AUTHORITIES:** water, wastes, air quality, ETS, national inventories and statistical, etc.

**SYSTEM ADMINISTRATOR** (management, public information, int. requirement, hosting maintance): **Ministry.** 











#### How PRTR-España works (2)

#### www.prtr-es.es

## Member area (data management): facilities,

Competent Authorities and Ministry.

#### **Public website**

Access to public data and other information to the Public in general and Stakeholders

















All the process is on the Internet: <a href="www.prtr-es.es">www.prtr-es.es</a>
Each member has different funcionalities and periods of time to use it







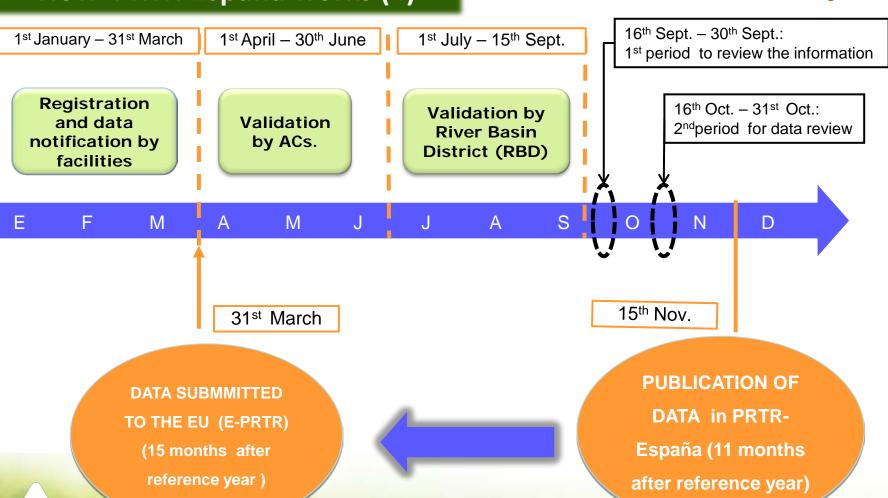




**Annual PRTR cycle** 



#### How PRTR-España works (4)













# 5.- Funcionalities for Facilities, Competent Authorities and System Administrator











#### PRTR-España Funcionalities (1)

#### Security access https://

**PRTR-España** is accesible with ID and password given by the system once the registration request as a member has been checked.







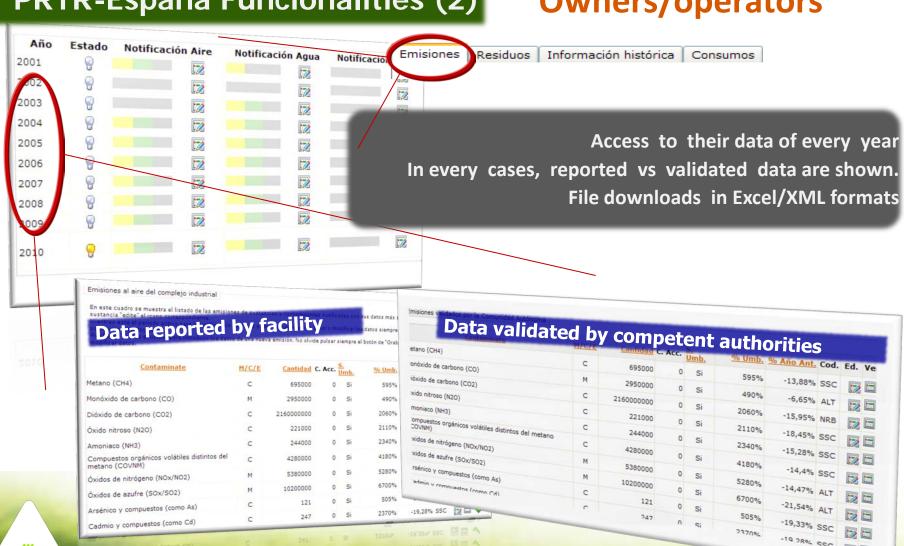






#### PRTR-España Funcionalities (2)

## **Owners/operators**







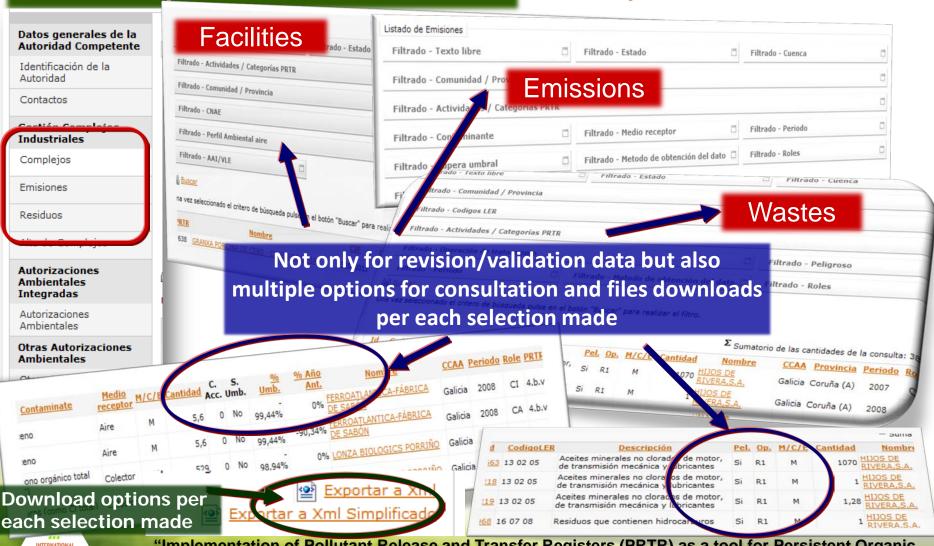






#### PRTR-España Funcionalities (3)

#### **Competent Authorities**













#### PRTR-España Funcionalities (4)

#### **System administrator**

Gestión Complejos **Industriales** 

Compleios

Emisiones

Residuos

Alta de Complejos

Baja de Complejos

Gestión de Autoridades Competentes

Listado de Autoridades

Autorizaciones **Ambientales** Integradas

Autorizaciones Ambientales

Otras Autorizaciones **Ambientales** 

Otras Autorizaciones

Legal

requirements (UE)

Members management

Questions and information requested tool

Gestión de mensaies/consultas

Gestión de mensajes/consultas

Envío a Autoridades

Envío a Compleios

Solicitud de información

Solicitud de información

Comisión

Comisión

Ficheros enviados

Estadísticas ficheros

of Pollutant Release a

Residuos no peligrosos cantidades Residuos peligrosos totales Residuos peligrosos cantidades

Residuos no peligrosos

Estadisticas Datos

Emisiones/Cantidad

Emisiones/Asterisco

Residuos (Datos

generales)

totales

Validados

Complejos

Emisiones

Evolución complejo/contaminate

Statistic data and assessments

> Validation Uploaded files

Información v estructura de datos

Actualizaciones/revisiones

Tablas fijas del modelo o datos (xml)

Esquemas y documentación para trasferencia de datos

Herramienta de volcado y validación de datos

Informes de validación

Histórico de ficheros

Control and maintenance

TR) as a tool for Persistent Organic OP) reporting, dissemination and awareness raising. INCEPTION WORKSHOP.

27 November 2015. Madrid. Spain.









### 6.- Presentation of PRTR data to the public

## www.prtr-es.es

http://www.en.prtr-es.es/











#### Presentation of PRTR data to the public (1)

Public information available in English. Not menu but full information













#### Presentation of PRTR data to the public (2)

#### There are different levels of accesing to the Public Information



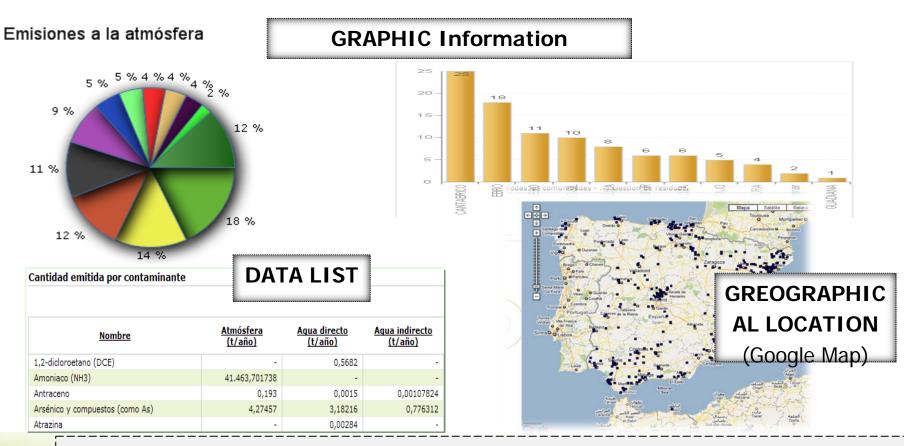








#### Presentation of PRTR data to the public (3)



The information in PRTR-España is offered in data lists, general assessments, graphics, etc.











### Presentation of PRTR data to the public (4)

Prevención y control integrados de la contaminación (IPPC). de la contaminación (IPPC). Documento de referencia de Mejores Técnicas Disponibles en la Industria de Fabricación de Vidrio Documento BREF

Prevención y control integrados de la contaminación (IPPC).

Documento de referencia de Mejores Técnicas Disponibles en la Cría Intensiva de Aves de Corral y Cerdos

Documento BREF

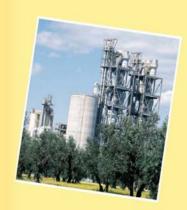
Guía de Mejores Técnicas Disponibles en España de fabricación de cemento



TECHNICAL DOCUMENTS



BREF, BAT CONCLUSSION DOCUMENTS,...







LEGISLATION (EU, SPANISH, INTENATIONAL)

Contain Europea











## Presentation of PRTR data to the public (5)

## www.prtr-es.es

Public information/ public participation





info@prtr-es.es



+34 902 54 53 50



## Suggestion/questions

on o encuentra lo que buscaba o desea realizar alguna sugerencia, formule aqui su consulta. Los campo señalados con un asterisco son obligatorios

Nombre y apellido	
Organización	
correo electrónico (*)	
Pregunta (*)	











# 7.- Who uses PRTR-España register and for what?











## Who uses PRTR-España (1). (Number of visitors to PRTR-España public web site)















#### Who uses PRTR-España (2)



Banco de imágenes y sonidos. ITE. M. Educación

#### **PUBLIC in GENERAL**

Facility inventory
Data by facility
Data by pollutant/media
(CO<sub>2</sub>, dioxines-furanes, HM, SOx, NOx, PM)
Documents (PRTR guidance (ES),
BREF/ES\_BAT, Legislation)

#### OTHER STAKEHOLDERS

Customized consultations/requests

Not only public data (above thresholds)
but also the rest of validated data (under request);
for polluting studies, scientific projects, etc...
(Universities, Technological Institutions, NGOs)











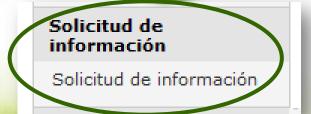
#### Who uses PRTR-España (3)





Customized information under request, in different electronic formats (Excel, XML)

complejo/contaminate



Many of these requests are then stored to be used in future: following years/requesting,etc...











#### Who uses PRTR-España (4)

#### www.prtr-es.es











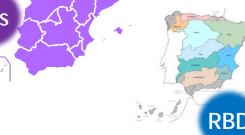


#### Who uses PRTR-España (5)

www.prtr-es.es

#### COMPETENT AUTHORITIES AND OTHER PUBLIC AUTHORITIES











- Validation and historical data series revision.
- Coherence/consistence with other inventories and international/european/national information requirements (waste and water).
- Monitoring compliance of environmental permits.
  - Definition of criteria for environmental policies.
- Studies, reports and/or comunications on reporting cycling and statistics both for the CAs and for the public (Congressess, Workshops, **Annual Reports, etc..)**











# 8.- Capacity Building and Awareness Activities











#### Some slogans used in awareness activities













#### Some slogans used in awareness activities



e-mail: info@prtr-es.es

Telephone: +34 902 54 53 50

"If you don't find out, it is because you don't want"













Any queryl consulting suggestion, etc...you free!

Suggestion, etc...free!

need, Please feel sh!!!)

need, Also in English!!!

## Thank you very much!

## More information on PRTR-España:

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