E-PRTR
Guidance to the largest EU register on environmental data

**European Pollutant Release and Transfer Register
Regulation (EC) Nº 166/2006**

**by Gürdoğar SARIGÜL
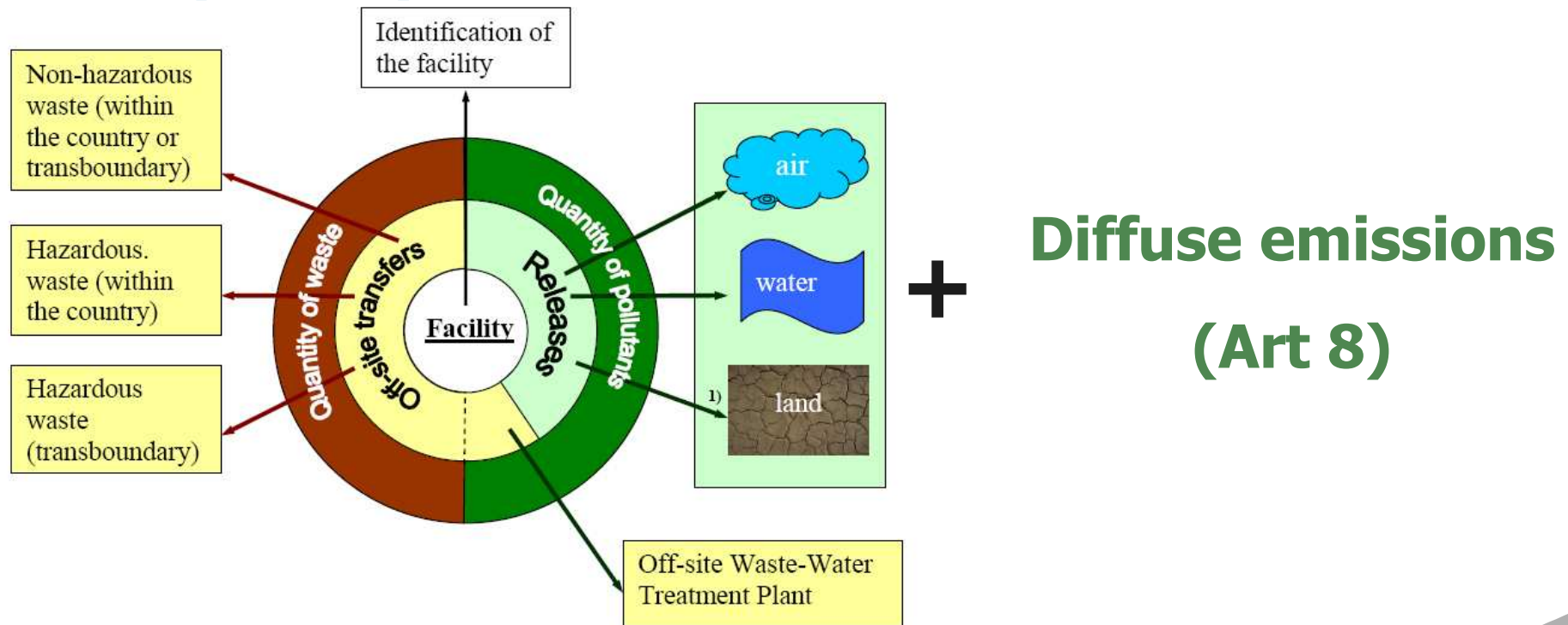on behalf of DG Environment**

Istanbul, 21 -22 October 2009

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E-PRTR Regulation: what is it?

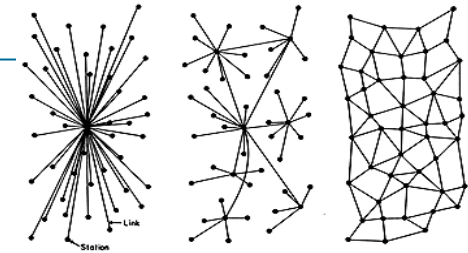**E-PRTR offers a new concept of integrated register, at Community level in the form of a publicly accessible electronic database**

Diffuse emissions

(Art 8)

E-PRTR Regulation: what is it?
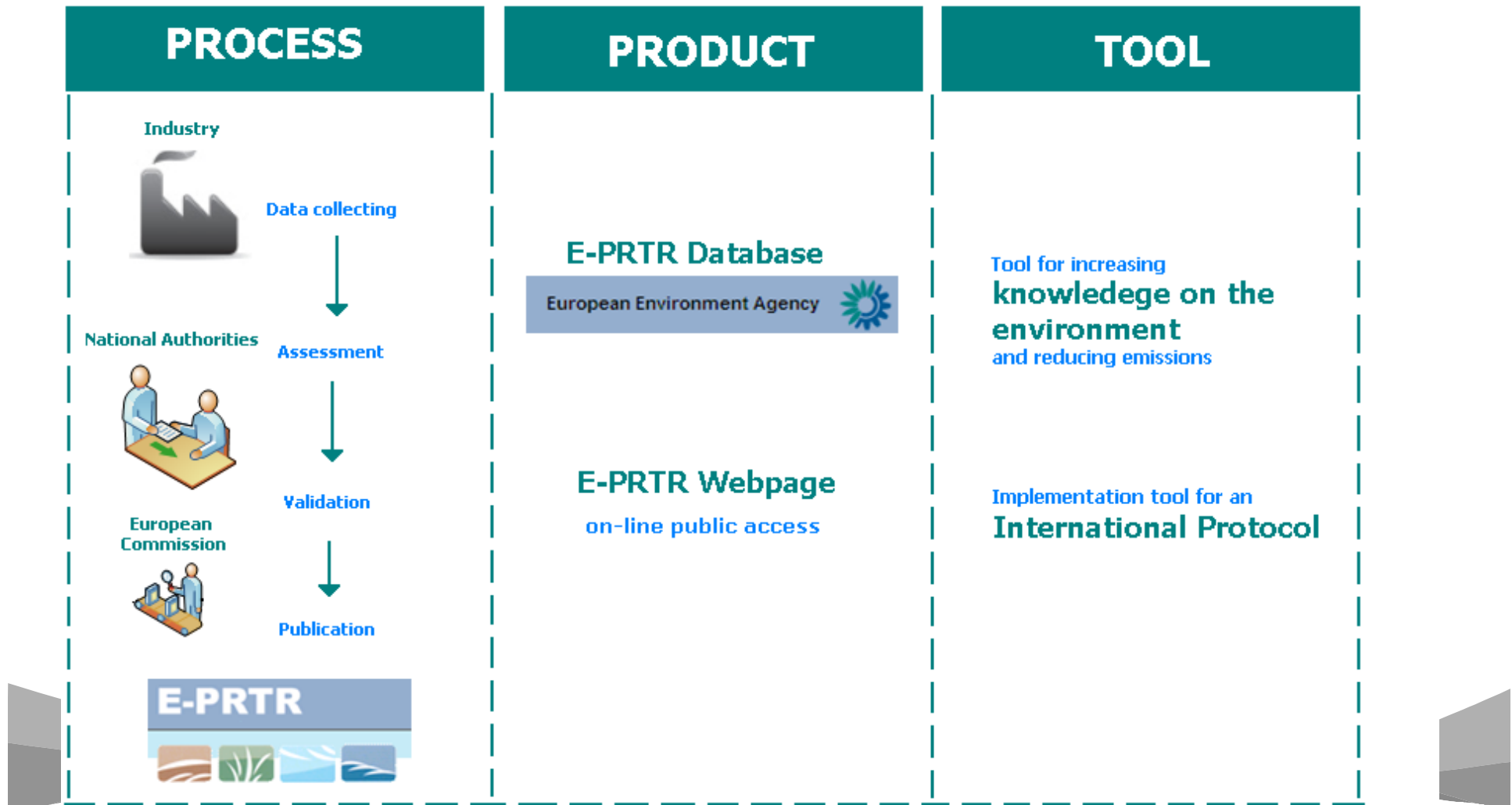
E-PRTR is under the SEIS principles

(Shared environmental information system – COM(2008) 46 final)

- Information must be managed **as close** to the source **as possible**

- Information must be **gathered once** and be shared

- **Information must be accessible for public authorities**
    - To **inform**
    - To **assess** the environment + **efficiency** of policies
    - To envisage **new strategies**

- **Comparisons in the appropriate level** + promote **participation**

- Fully available for **general public**

- Common and standardized *software tools* **(international standards UN/CEFACT), free and open source**

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E-PRTR Regulation: what is it?

So E-PRTR is a...

PROCESS	PRODUCT	TOOL
Industry Data collecting National Authorities Assessment European Commission Validation Publication E-PRTR	E-PRTR Database European Environment Agency E-PRTR Webpage on-line public access	Tool for increasing **knowledge on the environment** and reducing emissions Implementation tool for an **International Protocol**

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Historical perspective: From EPER to PRTR

EPER Register

- **Based on IPPC Directive**
- **12.000 facilities involved**
- **Triennial data (2001 and 2004)**
- **50 substances and 32 sectors**
- **Thresholds cover 90% of emission releases from industrial facilities**
- **350.000 visits to the website 2006**

E-PRTR Register

- **General register (not only for IPPC)**
- **First reporting year: 2007**
- **Annual data from 2009**
- **91 substances and 65 sectors (56 under IPPC scope)**
- **Other data on:**
  - Waste and wastewater transfers
  - Accidental releases
  - Releases to land
  - Diffuse emissions

E-PRTR Regulation: activities and substances

Activities

- **9 groups, similar to IPPC Annex 1**
  - Energy sector
  - Production/process of metals
  - Mineral industry
  - Chemical industry
  - Waste and Wastewater management
  - Paper and wood
  - Intensive livestock and aquaculture
  - Food and beverages
  - Other (textile, surfaces…)

Substances/pollutants

- **91 substances**
  - Heavy metals
  - Pesticides
  - Nitrogen and sulfur compounds
  - Organic compounds
  - Chlorinated, fluorinated and bromated compounds
  - Other

Reporting obligations if **above the activity (permitted capacity) and pollutant thresholds (actual annual emissions)**

E-PRTR: data access – Web functionalities (2009)

E-PRTR website – "Wikipedia" approach

New important elements

- **Information is presented separately for "releases" and "transfers (outside the industrial plant) "**

- **Method used for measure, calculation and estimation of emission releases and transfers is provided**

- **Data is upload on GIS layers – map tool**

http://prtr-demo.eea.europa.eu/login.aspx?ReturnUrl=%2fhome.aspx

E-PRTR REVIEW

The European Pollutant Release and Transfer Register

Home

About E-PRTR

Search E-PRTR data

   Facility Level

   Industrial Activity

   Pollutant Releases

   Pollutant Transfers

   Waste Transfers

   Map Search

Releases Diffuse Sources

Questions to E-PRTR (FAQ)

Download

Links

Library

Events / Meetings

People/E-PRTR community

News Archive

Feedback

Map search

The map search option provides an entirely geographical approach to E-PRTR data.

E-PRTR: Technical aspects

E-PRTR a cost-effective system

- **Data flow**

  - harmonization of data transfer and data storage (INSPIRE compliance (INSPIRE Directive 2007/03/14 and Metadata Regulation 2008/12/04)

- **Quality control on data**

  - harmonization, consistency and coherency

- **Database for policy making**

  - set priorities

  - assess implementation

- **Information access system**

  - participation and awareness

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Reporting format – Annex III

- **Voluntary Data – optional**

  ➢ **Production volume**

  ➢ **Nº of installations**

  ➢ **Nº of operating hours/year**

  ➢ **Nº of employees**

  ➢ **Website or Information box**

- **Mandatory Data – confidentiality**

  ➢ **Facility specific data (ID and geographical coordinates)**

  ➢ **Releases to air / water / land for the facility for each pollutant exceeding the threshold value**

  ➢ **Off-site transfers of waste and of pollutants in waste-water**

  ➢ **Accidental releases**

Conclusions

- **Industrial operators** provide **data** and are responsible for their **quality** > data format is defined by the Competent Authorities in line with SEIS and INSPIRE

- **Member States (and RS)** are responsible for the assessment of data quality

- The Commission is responsible for **making data publicly available annually**

- The register provides the **best available information**

- Methodologies must used **international available standards**

- E-PRTR make visible **achievements** in pollution prevention and reduction

For more information

- **Guidance on E-PRTR implementation**

- **DG Environment – Industrial emissions Unit**
  http://www.ec.europa.eu/environment/ippc/index.htm

- **E-PRTR Web**

  http://prtr.ec.europa.eu/

European Commission

EUROPEAN PRTR
Guidance Document
English Version

2006

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Thank you

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**DG Environment - Directorate C Climate Change and Air
Unit C4 Industrial emissions and protection of the ozone layer**

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