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European Union and the Republic of Turkey

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

TR2013/0327.06-01-02/001

Technical Assistance for Capacity Building on European Pollutant Release and Transfer Register (E-PRTR) in Turkey

Workshop /Seminar

E-PRTR System – Software Architecture and Operating: Overview



Presenter:

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Concept of the Turkish E-PRTR IT System

- The central web system available from a web browser
- The facility operators enter data for the annual E-PRTR report to the system according to Regulation (EC) No. 166/2006 on European Pollutant Release and Transfer Register
- Submitted reports will be verified by competent authority administrators
- When all annual reports are approved, the system administrator (MoEU) can send the Member State report for the European Commission
- Approved the annual facility reports will create the Turkish National E-PRTR Inventory database and different reports from this database will be available to the public
- User interface languages: Turkish and English



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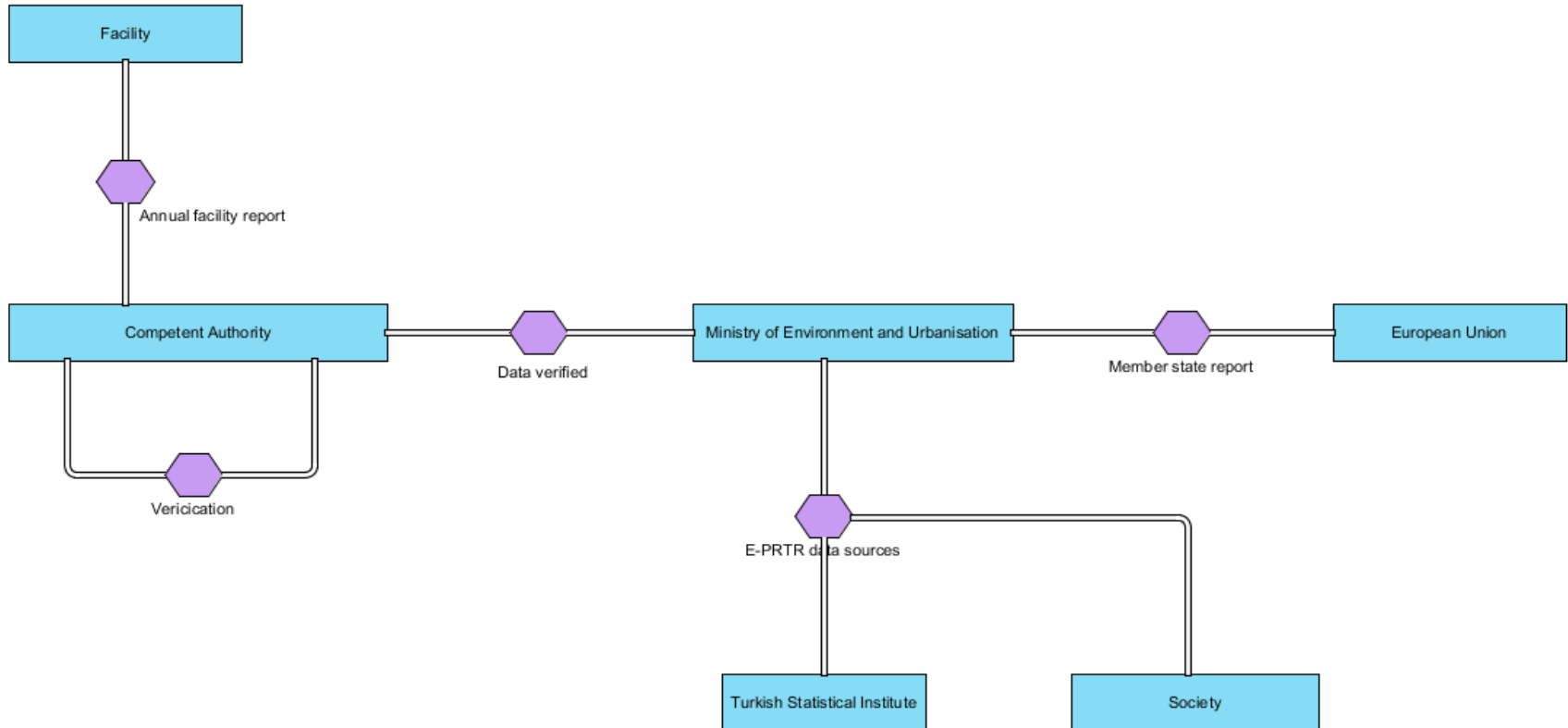


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Information flow in the system



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System architecture

The system will consist of two basic parts:

- Turkish E-PRTR National Inventory
- Turkish E-PRTR National Portal.

The main purpose of the National Inventory is to collect data from the facilities, verify them, create the database and prepare the annual Member State reports for the European Commission.

The National Portal will provide various reports about facilities and their releases of pollutants and off-site transfer of pollutants and waste. Everyone will have access to the National Portal.



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Access to the Turkish E-PRTR National Inventory

The Ministry of Environment and Urbanization establishes the rules for the allocation of administrator's accounts.

National Inventory user types:

- System administrators (MoEU)
- Competent authority administrators (Provincial Directorates)
- Facility operators



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System administrators (MoEU)

The system administrators will have permissions to:

- create accounts for other users,
- create the Member State report for the European Commission and for Turkish Statistical Institute,
- start procedure for the next reference year
- perform all tasks foreseen for the competent authority administrators.



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Competent authority administrators (Provincial Directorates)

The competent authority administrators will have permissions to:

- create accounts for the facility operators,
- create the facility identifications data with unique identification number of facility (initial set of facilities will be imported by system developers from external file),
- assign the facilities for facility operators,
- verify the facility annual reports (approve the reports or reject them for correction).



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Facility operators

The facility operators will have permissions to:

- edit data of own facilities (without identification number of facility),
- for each facility enter data concerning releases of pollutants to air, water, land and off-site transfer of pollutants and waste,
- mark the annual report as finished and ready to verification.



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Turkish E-PRTR National Inventory

The National Inventory tasks:

- collecting and verifying data from the facilities,
- creating the database,
- preparing the annual Member State reports for the European Commission and for the Turkish Statistical Institute.

Authentication of users on the system:

- by login and password,
- passwords can be changed by the users,
- in the case of password loss it can be recovered by email verification.

The National Inventory consists of two applications:

- application for facilities
- application for competent authorities and system administration.

Both applications will work in SSL mode (Secure Socket Layer – secure connection and encryption to ensure privacy).



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Turkish E-PRTR National Portal

The Turkish E-PRTR National Portal will provide various reports for the public. The range of reported data covers all data entered in annual approved reports. The National Portal will use GIS interface and implemented query system. Data classified as confidential will not be reported.

The user will search data by the following criteria:

- Reference year,
- Location (geographical coordinates, town),
- Facility details,
- Activity,
- Pollutant release/transfer,
- Waste transfer.



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Turkish E-PRTR National Portal

Presentation of reported data:

- Tables containing text and numerical data
 - Export to PDF
- Visualizations on maps.
 - The data will be presented on maps with the facility indicated as a point on map.
 - Possibility to enlarging, reducing or moving the map, selecting a particular part of the map, point out the facility.



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Thank you



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