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National Baseline Budget (NBB)/PRTR Infosystem

European Environment Agency

INTRODUCTION

- The MED-POL Info System aims to design, develop and implement a web platform to store, manage, analyze the national baseline budget (NBB) of the Contracting Parties. It is envisioned as a networked information system set to become a central support system for MED POL activities.

- National Baseline Budget (NBB) is an inventory of the pollutants releases from all substantial Land Based Sources of the Contracting Parties on yearly basis.

- The main aim of MED POL programme is to contribute to the management of Mediterranean coastal waters and sensitive areas by trend monitoring of contaminants and loads, biological effects monitoring and compliance control of pollutants.

MED POL USERS AND DATA DOMAINS

User role	Corresponding permissions
Anonymous user	• Read public data
National user	• Read its own national data • Add and edit data for own national 'working draft' report
National Focal Point user	• Read its own national data • Add and edit data for own national 'working draft' report • Perform official submission for own national report • Create a new report
MED POL officer	• Read all national data • Lock/Unlock official submitted reports • User configuration

The different domains of NBB data existing in the system are:

• the public data

• the national data for each Contracting Party.

Anonymous users can access only the public data domain
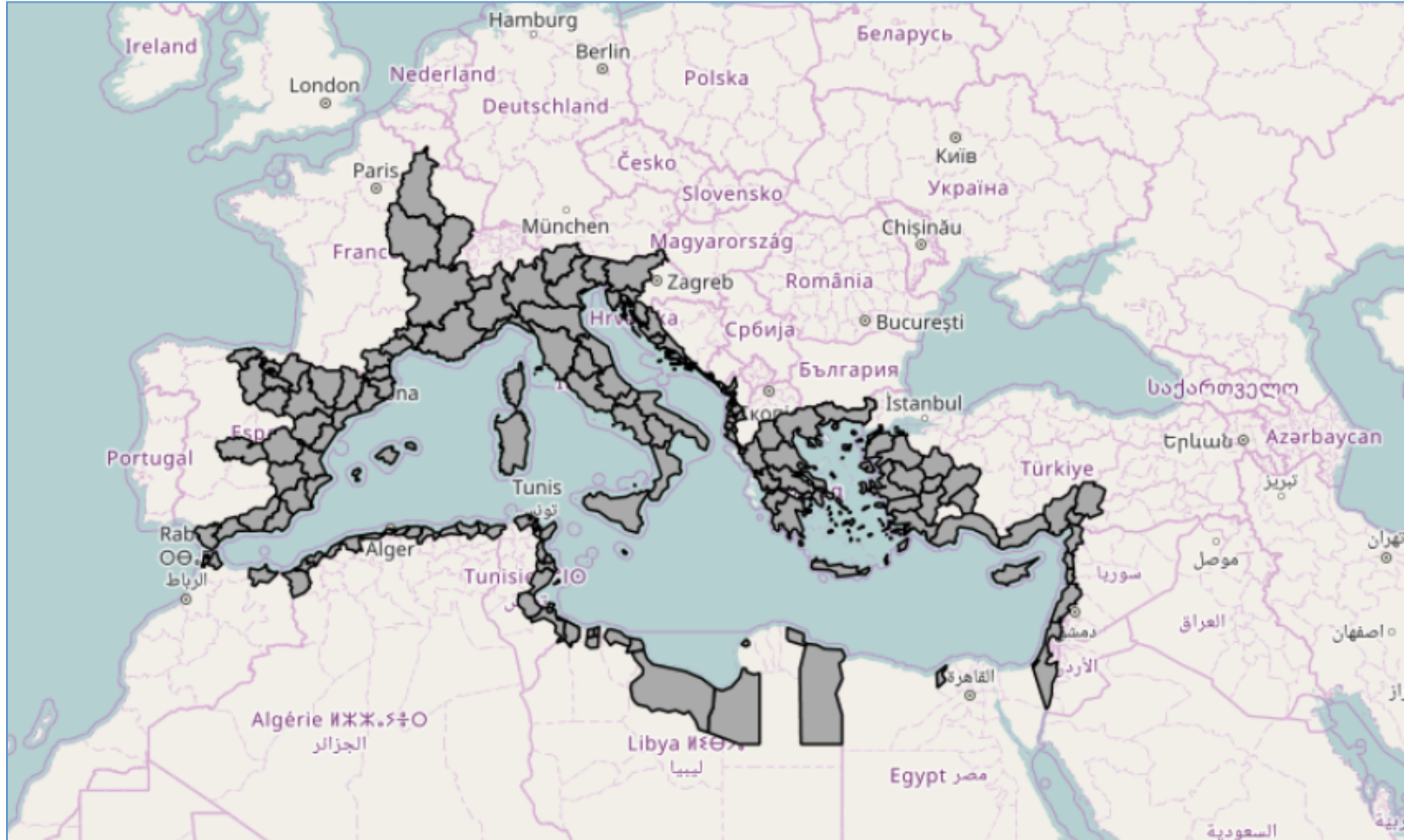
SEARCHABLE PARAMETERS FOR PUBLIC USERS

The selectable parameters are:

- **Country**: the contracting party whose baseline belongs to

- **Region**: the region of the selected country

- **Pollutant**: the pollutant referred in the baseline

- **Sector**: the sector referred in the baseline

- **Subsector**: the sub sector of the selected sector

- **Process**: the process of the selected sub sector

The fields are chained to ease the user input

THE REGIONAL DATA MAP

THE SYSTEM FOR AUTHENTICATED USERS

The restricted section is for authenticated users only, and provides functionalities for the following tasks:

- **Creation and submission of NBB reports**: The system provides a centralized, web based and easy application to be used from the national institutions to manage the process of its own NBB report

- **Interoperability with the PRTR data**: in order to maximize the effectiveness and easiness of the submission NBB report, the system accepts PRTR data in the standard PRTR xml format. The system includes a matching between sectors and subsectors of NBB and PRTR dictionaries.

- **Storage and analysis of the NBB data**: the system allows the storage and analysis of the full set of MED POL data entered by the authorized users.

THE SYSTEM FOR AUTHENTICATED USERS

The statistics will always be performed in the context of the NBB data the current user role has the permission to view and related to report officially submitted.

The selectable statistics are:

- Number of facilities per region
- Number of facilities per sector
- Number of facilities per sub sector
- Production of a specific pollutant for a group of sectors
- Production of a specific pollutant for a group of sub sectors
- Production of a specific pollutant in a Country
- Total production of a specific pollutant for a group of Countries

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THE SYSTEM FOR CONTRACTION PARTY USERS

Every 5 years the Contracting Parties should submit a new NBB report on the assessment of pollutants' loads from land based sources. **The creation and official submission of a report in the MED POL Info System is the only way to add new NBB data by the Contracting Parties.**

Only the National Focal Point user or the MED POL officer user can create a new report

The system provides three kind of procedures to create a new report:

1. **Creating a new report from scratch**: this procedure creates a new report completely empty.
2. **Creating a new prefilled report as a copy of another one**: this procedure creates a new report with the same data of another report
3. **Creating a new prefilled report as a copy of another but without PRTR data**: this procedure creates a new report with data inside equal to those taken from another report, except for records marked as PRTR data

THE SYSTEM FOR MED POL STAFF

- The MED POL staff can supervise and support national users to the reporting process.

- Inside the system the MED POL staff can also manage the users, such as registering new users or configuring their roles inside the system.

LIST OF SECTOR

Aquaculture

Building and repairing of ships and boats

Factories that cause physical changes to the environment

Farming of animals

Food packing

Management of urban solid waste

Manufacture and formulation of biocides

Manufacture of cement

Manufacture of electronics products

Manufacture of fertilizers

Manufacture of metals

Manufacture of other inorganic chemicals

Manufacture of other organic chemicals

Manufacture of paper

Manufacture of pharmaceuticals

Manufacture of refined petroleum products

Manufacture of textiles

Mining and quarrying

Other

Port services

Production of energy

Recycling activities

Tanning and dressing of leather

Tourism

Transport

Treatment and storage of hazardous wastes

Treatment of sewage sludge

Treatment of urban wastewater

Waste incineration and management of its residues

Waste management activities

LIST OF SUB SECTOR

Agriculture

Animal feeds

Animal raw materials, Vegetable raw materials

Casting of grey iron

Casting of other non-ferrous metals

Casting of steel

Combustion of heating oil

Combustion of lignite

Compost production

Cosmetics and perfumes

Dairy industry

Dry-docks

Electroplating

Extraction of petroleum and gas

Farming of animals (cattle, sheep, swine, poultry) and slaughterhouses

Farming of special animals (rabbits goats, horses, asses, mules and hinnies, other)

First-stage aluminium smelting

First-Stage copper smelting

Fish breeding

Fish processing

Formulation of pesticides

Gasoline Loading

Gaz production

Growing of cereals (wheat, rice, maize, soybeans, other)

Growing of fruit and vegetables

Horticultural specialities, nurseries

Hotel, food and beverage services

Industrial crops (cotton, tobacco, sugar cane, sugar beet, potatoes, other)

Industrial gases

Industrial wastewater treatment plant

Installations for melting of textiles

Manufacture of wood

Manufacture of accumulators

Manufacture of aircraft and spacecraft

Manufacture of articles of paper or paperboard

Manufacture of articles of paper or paperboard

Manufacture of basic iron and steel

Manufacture of beer

Manufacture of cement

Manufacture of ceramic products

Manufacture of clothing and other finished products made of fabric

Manufacture of electric machines and appliances (condensers, transformers)

Manufacture of explosives, glues, gelatine, essential oils

Manufacture of glass and glass products

Manufacture of integrated circuits

Manufacture of lead oxides and lead-based colouring matter

Manufacture of lime and plaster

Manufacture of motor vehicles

Manufacture of non-alcoholic beverages

Manufacture of olive oil

Manufacture of other non-ferrous metals

Manufacture of other transport equipment

Manufacture of other vegetable oils (other than olive oils)

Manufacture of paper and pulp

Manufacture of petrochemicals

 Manufacture of refined petroleum products

Manufacture of sugar beet

Manufacture of wines

Manufacture of wines and spirits

Manufacture of zinc or tin

Metal mining

Nitrogenous fertilizers

Other chemical

Other prepared foods

Paints and varnishes

Pharmaceuticals

Phosphate fertilizers and phosphoric acid

Plastic, rubber, synthetic resins

Polyethylene tetraphtalate

Polyvinyl chloride

Port handling

Preserving fruit and vegetables

Printing activities

Rail transport

Recreational activities

Recycling of lubrifying oils

Recycling of metal waste and scrap

Recycling of non metal waste and scrap (paper, glass)

Refuse collection, de-pollution and similar activities

Seawater desalination plants

Second-stage aluminium smelting

Second-stage copper smelting

Second-stage lead smelting

Shipyards

Soap, detergents and sanitary preparations

Synthesis of phytosanitary products

Synthesis of pigments

Tanning and dressing of leather

Technical centres for landfill and storage

Transport and marketing of petroleum products

Treatment plants

Urban r ____ sport (automobiles and buses)

Urban w ____ ineration plants

Waste ca ____

Water transport (freight passenger

LIST OF POLLUTTANTS

AOX [liq]

Aldrine [liq]

Alluminium [gas and liq]

Anthracene [gas and liq]

As [gas and liq]

Atrazine [liq]

BOD5 [liq]

BTEX [liq]

Benzene [liq and gas]

Benzo(a) anthracene [gas]

Benzo(a)pyrene [gas and liq]

Benzo(b,k)fluoranthene [gas and liq]

Benzo(g,h,i)perylene [gas and liq]

Biphenyls [gas]

Chlorobenzene [gas]

Chloroform [liq]

Cobalt [liq and gas]

Cr [liq and gas]

Cu [liq and gas]

Cyanide [liq and gas]

DDT [liq]

DEHP [liq and gas]

Dichloroethane – 1,2 [gas and liq]

Dichloromethane [liq and gas]

Dieldrine [liq]

Diuron [liq]

Endosulphan [liq]

Endrine

Hg [liq and gas]

Hg [liq and gas]

Hydrocarbons [liq]

Hydrofluorocarbons [gas]

Indeno (1,2,3-CD) pyrene [gas and liq]

Methane [gas]

Mn [gas and liq]

NH3 [gas and liq]

Naphtalene [gas and liq]

Ni [gas and liq]

Nitrogen oxide [gas]

Nonylphenols [liq]

Oils and greases (organic) [liq]

Other Chlorinated Pesticides [liq]

PAH [gas and liq]

PBDE [liq]

PCB/PCT [gas and liq]

PCDD/PCDF [gas and liq]

PM10 [gas]

Pb [gas and liq]

Pentachlorophenol

Perchloroethylene [gas and liq]

Petroleum Hydrocarbons [liq]

Phenanthrene [gas]

Phenols [liq]

Phosphates [liq]

Selenium [liq]

Sulfur oxide [gas]

TOC [liq and gas]

TSS [liq]

Tin [liq]

Toluene [liq]

Total N [liq]

Total Organic Matter[liq]

Total P [liq]

Total Suspended Particulates [gas]

Trichlorobenzenes (TCB) [gas and liq]

Trichloroethane-1,1,1 [gas]

Trichloroethylene [gas and liq]

Trichloromethane [gas and liq]

VOC [gas]

Vinyl chloride [gas and liq]

Xylenes [liq]

Zn [gas and liq]

IND 6.1 - Release of nutrients from industrial sectors	IND 6.1.1 - **Total BOD** load discharged from industrial installations to the Mediterranean marine environment.
	IND 6.1.2 - **Total Nitrogen** load discharged from industrial installations to the Mediterranean marine environment
	IND 6.1.3 - **Total Phosphorus** load discharged from industrial installations to the Mediterranean marine environment.

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LIST OF POLLUTTANTS

AOX [liq]

Aldrine [liq]

Alluminium [gas and liq]

Anthracene [gas and liq]

As [gas and liq]

Atrazine [liq]

BOD5 [liq]

BTEX [liq]

Benzene [liq and gas]

Benzo(a) anthracene [gas]

Benzo(a)pyrene [gas and liq]

Benzo(b,k)fluoranthene [gas and liq]

Benzo(g,h,i)perylene [gas and liq]

Biphenyls [gas]

Boron [liq]

Butylin Compounds [liq]

COD [liq]

Chlorobenzene [gas]

Chloroform [liq]

Cobalt [liq and gas]

Cr [liq and gas]

Cu [liq and gas]

Cyanide [liq and gas]

DDT [liq]

DEHP [liq and gas]

Dichloroethane – 1,2 [gas and liq]

Dichloromethane [liq and gas]

Dieldrine [liq]

Diuron [liq]

Endosulphan [liq]

Endrine

Ethylbenzene [liq]

Fe [liq]

Fluoranthene [gas and liq]

Hg [liq and gas]

Hg [liq and gas]

Hydrocarbons [liq]

Hydrofluorocarbons [gas]

Indeno (1,2,3-CD) pyrene [gas and liq]

Methane [gas]

Mn [gas and liq]

NH3 [gas and liq]

Naphtalene [gas and liq]

Ni [gas and liq]

Nitrogen oxide [gas]

Nonylphenols [liq]

Oils and greases (organic) [liq]

Other Chlorinated Pesticides [liq]

PAH [gas and liq]

PBDE [liq]

PCB/PCT [gas and liq]

PCDD/PCDF [gas and liq]

PM10 [gas]

Pb [gas and liq]

Pentachlorophenol

Perchloroethylene [gas and liq]

Petroleum Hydrocarbons [liq]

Phenanthrene [gas]

Phenols [liq]

Phosphates [liq]

Selenium [liq]

Sulfur oxide [gas]

TOC [liq and gas]

TSS [liq]

Tin [liq]

Toluene [liq]

Total N [liq]

Total Organic Matter[liq]

Total P [liq]

Total Suspended Particulates [gas]

Trichlorobenzenes (TCB) [gas and liq]

Trichloroethane-1,1,1 [gas]

Trichloroethylene [gas and liq]

Trichloromethane [gas and liq]

VOC [gas]

Vinyl chloride [gas and liq]

Xylenes [liq]

Zn [gas and liq]

| IND 6.2 - Release of toxic substances from industrial sectors | **IND 6.2.3 - Polycyclic aromatic hydrocarbons (PAH)** load released from industrial installations to the Mediterranean marine environment. |
| | **IND 6.2.4 - Volatile organic compounds (VOC)** load released from industrial installations to the Mediterranean marine environment. |

Thank you for your attention!

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