



AGÊNCIA  
PORTUGUESA  
DO AMBIENTE

## **Session 3: SoE quality assurance – Country fiches**

### ***National linkages between SoE and WFD databases - Portugal***

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E ENERGIA

# National competent authorities... until 2012

Water

## Regional water authorities

### Mainland Portugal

River Basin Districts Administrations -  
“Administrações de Região Hidrográfica”:

ARH Norte (RH1, RH2, RH3)

ARH Centro (RH4)

ARH Tejo (RH5)

ARH Alentejo (RH6, RH7)

ARH Algarve (RH8)

### Autonomous Regions

#### Azores archipelago

Regional Government -  
“Secretaria Regional do Ambiente e do Mar” (RH9)

#### Madeira archipelago

Regional Government -  
“Secretaria Regional do Ambiente e dos Recursos Naturais” (RH10)



## National water authority

“Instituto da Água”/ Water Institute

Azores Regional Government

Madeira Regional Government

Portuguese Environment Agency/  
“Agência Portuguesa do Ambiente”

Environment

# National competent authorities... since 2012

Water

**Portuguese Environment Agency/  
“Agência Portuguesa do Ambiente”**

**National water authority**

**Regional Departments:**

**ARH Norte (RH1, RH3, RH4)**

**ARH Centro (RH4)**

**ARH Tejo (RH5)**

**ARH Alentejo (RH6, RH7)**

**ARH Algarve (RH8)**

**Central Departments:**

**Water Resources Department**

**Other Departments**

**Azores archipelago**

**Regional Government -  
“Secretaria Regional do  
Ambiente e do Mar” (RH9)**

**Madeira archipelago**

**Regional Government -  
“Secretaria Regional do  
Ambiente e dos Recursos  
Naturais” (RH10)**

Environment

# SoE dataflow and WFD implementation

## Portuguese Environment Agency/ “Agência Portuguesa do Ambiente” (APA)

- **River Basin District Administrations - APA regional departments**
  - RBMP development
  - Monitoring of water
  
- **Water Resource Department - APA central department**
  - Harmonization and support to RBMP development
  - WFD CIS WG
  - WFD Reporting
  - National database  
(free access – webpage)
  - SoE dataflow/ EIONET reporting

Units
Water Quality Status Unit
Water Resources Availability Unit
Water Planning and Management Unit

... implementation of other directives related with water



# Portugal – performance of EEA priority inland data flows

Country fiche: Portugal

Data since 2006

APA  
Water Res.  
Department

Data flow name	Progress 2000	Progress 2001	Progress 2002	Progress 2003	Progress 2004	Progress 2005	Progress 2006	Progress 2007	Progress 2008	Progress 2009	Progress 2010	Progress 2011	Progress 2012
EWN1: River quality													
EWN2: Lake quality													
EWN3: Groundwater quality													
EWN4: Water quantity	N/A	N/A	N/A	N/A	N/A			N/A	N/A	N/A	N/A		
WISE1: Water emission quality	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			N/A	

# Portugal – performance of EEA priority inland data flows

Data flow name	Status	Progress 2012-2013	Progress 2013-2014	Remark
<a href="#">EWN1: River quality</a>	2014-02-25			Data delivered with a delay (water quality 19 Nov 2013, biology 14 Jan 2014) and in the requested format. Feedback to reported issues provided. Monitoring stations with coordinates provided. Data on 3 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Short time series on preferred SoE available. Biology data delivered.
<a href="#">EWN2: Lake quality</a>	2014-02-27			Data delivered with a small delay (19 Nov 2013) and in the requested format. Monitoring stations with coordinates provided. Data on 4 preferred SoE nutrient delivered. Hazardous substances data delivered. Proxy pressures data provided. Some long time series on preferred SoE nutrients available. Biology data delivered.
<a href="#">EWN3: Groundwater quality</a>	2014-02-04			Data delivered on time and in the requested format. 3 of 5 requested chemical substances data provided, all in disaggregated form. Monitoring sites with coordinates and links to GW bodies provided. GIS data of GW bodies and list of GW bodies with most important attributes and pressure data provided.
<a href="#">EWN4: Water quantity <sup>(1)</sup></a>	2014-02-07			Reported data relevant to Water Quantity in EUROSTAT/OECD JQ 2012.
<a href="#">WISE1: Emissions to water <sup>(1)</sup></a>	2014-02-03			No data delivery under WISE-SoE data collection 2013, data from E-PRTR inserted.

# Delivery of data to the EIONET water database - 2013

## Performed by APA Water Resource Department

- **Nutrient – data from 2012**
- **Hazardous substances – data from 2012**
- **Biology data (delivered from the 1<sup>st</sup> time) – data from 2012 and previous years**
- **Included many “WFD monitoring stations” (surveillance monitoring and operational monitoring stations)**

**... prolonged process**



# Delivery of data to the EIONET water database - Future

## Our participation ...

- **River quality, lake/reservoirs quality and groundwater quality**
  - We will reevaluate the situation (stations, determinants/parameters, data) and...
  - Try to fill the gaps from the past when it will be possible
  - Consider “WFD monitoring stations” for the future
  - Delivery data on Nutrients, Hazardous substances and Biology
  - Reporting data annually for the monitored parameters



# Delivery of data to the EIONET water database - Future

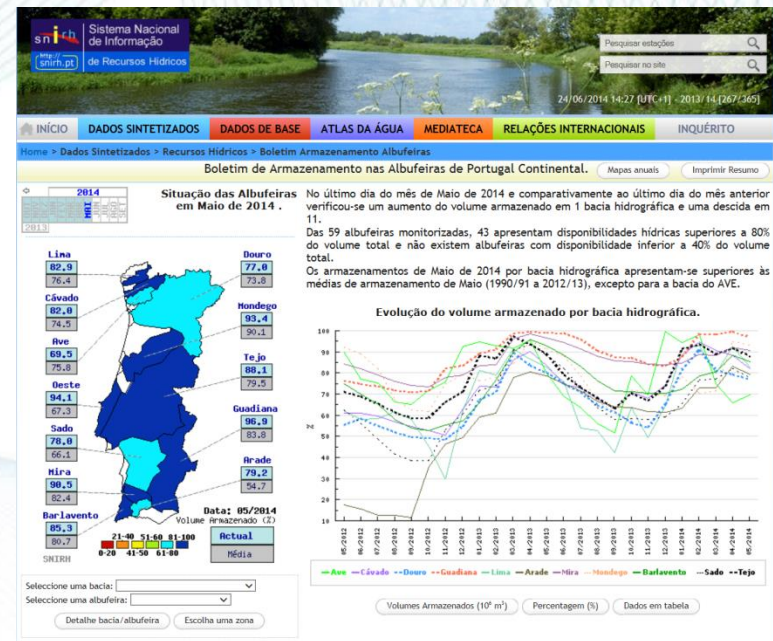
## Our participation ...

### Water quantity

- Reporting of data from the RBMP (frequency of reporting linked with RBMP cycles)

### Emissions to water

- Reporting of data from the RBMP (frequency of reporting linked with RBMP cycles)



# Delivery of data to the EIONET water database - Future

## Some suggestions ...

- **Maintenance of the guidelines and of the templates to facilitate the work → e.g. MS could develop automatic procedures to fill the templates**
- **Aggregation of data is a time-consuming procedure, so uploading disaggregate data would be preferable**
- **Date format, with day, month and year in different columns, is an uncommon procedure and some mistakes can be done → Date format as day-month-year (in one column)**
- **Simplification of the procedure to upload the templates**
- **To avoid misunderstanding about the determinants (parameters) required it would be useful to present the chemical formula**



# Delivery of data to the EIONET water database

**Question from EEA:** What are your suggestion for taking care for consistency in station names and identifiers between SoE and WFD data?

**Answer:** Considering the same names and codes from the WFD (both stations and water bodies)

	A	B	C	D	E	F	G	H	I	J	K
1	CountryCode	NationalStationID	NationalStationName	WFDstation	WFD_EU_CD	RiverName	WaterCategory	WaterBodyID	WaterBodyName	CatchmentName	RBDcode
2	PT	01G/04	Segude	yes	PT01G04	Rio Mouro	RV	PT01MIN0007	Rio Mouro	Minho/Mouro	PTRH1
3	PT	02E/01	Outeiro	yes	PT02E01	Coura	RV	PT01MIN0021	Rio Coura	Minho/Âncora	PTRH1
4	PT	02G/03	Ponte Velha	yes	PT02G03	Rio Ázere	RV	PT01LIM0029	Rio Ázere	Lima/ Ázere	PTRH1
5	PT	04E/07	Barroselas	yes	PT04E07	Neiva	RV	PT01NOR0721	Rio Neiva	Lima/Neiva	PTRH1
6	PT	05E/01	Ponte Junqueira	yes	PT05E01	Este	RV	PT02AVE0122	Rio Este	Ave/Leça	PTRH2
7	PT	05F/03	Ponte Trofa	yes	PT05F03	Ave	RV	PT02AVE0130	Rio Ave	Ave/Leça	PTRH2
8	PT	05F/04	Ponte Nova - Vizela	yes	PT05F04	Rio Pele	RV	PT02AVE0127	Rio Pele	Ave/Pele	PTRH2

**Question from EEA:** Is the legal aspect of WFD as mandatory vs. SoE as voluntary data discussed within you institution(s)? Is the legal aspect an issue to restrict integration between these?

**Answer:** The main restrictions are due to human resources and financial issues. Nevertheless, for the future we intend to improve this integration.





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**Thank you for your attention!**



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