

Screening Template

Monitoring networks and compatibility with the WFD

Annex 4

Country: fill in name of country...

Prepared by: ... (fill in name of Ministry or Organisation) ...

Date: ... (fill in date of preparation)...

ECRAN - XXXXX

**Financed by the TAIEX Instrument
in the Framework of the implementation of the
Environment and Climate Regional Accession Network**

Beneficiaries:

**ECRAN beneficiary countries (Albania, Bosnia and Herzegovina,
former Yugoslav Republic of Macedonia, Kosovo*,
Montenegro, Republic of Serbia and Turkey)**

Reference: <http://ec.europa.eu/enlargement/taieix>.



Surface and groundwater monitoring networks and compatibility with the WFD

Screening Template

Background

The implementation of the Water Framework Directive has encouraged Member States to make unprecedented efforts concerning the development and harmonization of **tools used to evaluate the chemical status and ecological status of surface water** (rivers, lakes, coastal waters and transitional waters), in addition to the chemical status and quantitative status of groundwater.

A good classification for the status of a water body implies that it has a good ecological status and a good chemical status. This second condition is satisfied when the concentrations of the whole 41 polluting substances listed by the European Union do not exceed the environmental quality standard established for each substance.

The data required for this assessment need to be acquired and entered into a databank in the framework of the national monitoring programme.

Article 16 of Directive 2000/60/EC provides for the procedures for developing the control measures and environmental quality standards (EQS) applicable to priority substances.

According to the provisions of the Directive 2006/11/EC the priority substances in surface and groundwater have to be determined.

Main priority for the purposes of harmonization of monitoring systems with the requirements of the Water Framework Directive and the Directive 2006/11/EC consists in the establishment of a certified quality assurance (QA) system.

At the national level, a water monitoring network includes monitoring of ecological and chemical status of surface and chemical status of ground waters, based on a number of stations for sampling and testing of surface and ground water, which needs to be implemented by surveillance, operational and investigative monitoring.



Surveillance monitoring - to provide an overview of the overall status and long-term changes of surface water and – where necessary – groundwater status in a basin-wide context with a particular attention paid to the transboundary pollution load

Operational monitoring - for those bodies of water reported in the Article 5 Roof report, which have been identified as being at risk of failing to meet their environmental objectives

Investigative monitoring – primarily is a national task.

A questionnaire survey is organized among ECRAN project beneficiaries' countries to map water resources monitoring practices based on the information on the national monitoring networks, surveillance and operational monitoring in line with WFD.

Two case studies describing water quality monitoring will be prepared to provide concrete examples of the implementation of monitoring activities under the WFD and present at the 4th ECRAN project workshop. The European experience gained during recent years can serve as a useful model for upgrading and standardizing monitoring practices in the ECRAN beneficiaries' countries.

Therefore, a template has been prepared to collect information on status of monitoring networks and programmes in the ECRAN project beneficiaries' countries.



Template

Please return completed template, by 15 Feb 2015, to:

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Name: _____

Organisation: _____

Email / Telephone: _____

Country/Basin/Sub basin/Sub-unit/Catchment of Particular Interest: _____

1. Is there a legal regulatory framework which defines specific national standards for the discharge of pollutants and quality of the environment?

- Yes


- No

What are the applied standards?

2. What is the past, current and future national and international programmes for monitoring water quality in your country?

3. Existing networks and types of control

Name of the network	Network	Network
Type of control	Survey (accidental pollution) - investigative monitoring Monitoring (overall water status) surveillance monitoring Operational control (pollution follow-up) - operational monitoring	



Type of water or discharge from groundwater, inland surface water, marine water, discharges, Waste Water Treatment Plant, or other	Sea water Inland surface water Groundwater Sediments Discharges from WWTP Industrial effluents	
Type of management	Public Private	
Cartography (GIS)	yes/no/	
No of measurement stations/method		
List of the monitored water bodies		
No. of measured parameters		
List of the biological parameters - bacteriology, composition, aquatic flora, benthic invertebrate fauna, fish fauna ...		
List of the chemical and physico-chemical parameters		
List of the hydro-morphological parameters: hydrological regime, (water flow quantity and dynamics,...), morphological conditions (variations in depth and width)...		
Standard procedures for measurement and processing of data	No Specific to the organisation National International	

4. Monitored resources

Type of resource	Monitoring	Coverage %	Network	Type of use (drinking, bathing, irrigation, energy, nature conservation, other)
Groundwater	Yes No			
River	Yes No			
Wetlands	Yes No			
Lakes (natural/reservoirs)	Yes No			
Coastal water	Yes No			

5. The WFD requires the availability of inventories for point and diffuse sources of pollution (urban and industrial discharges, agriculture, others). Are there such inventories?

- Yes
- No

6. Is there a centralised collection and information system?

- Yes
- No

7. Which formats are used for storing data stored?

- Paper
- Electronic

Are data integrated into a GIS?

- Yes
- No

9. Are data used for reporting at the international level (conventions, agreements, etc.)?

- No
- Yes, specify who is responsible for reporting?



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