



AGENDA ITEM: WATER FRAMEWORK DIRECTIVE

Directive 2000/60/EC

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OVERVIEW

- Turkey has a number of governmental institutions functioning in the field of water management
- Tasks and responsibilities of these organizations are described in their respective Establishment Laws
- The main organizations involved are the Directorate General of State Hydraulic Works (DSI) with responsibilities for water quantity and quality monitoring and Ministry of Environment and Forestry (MoEF) with responsibilities related to water quality

OVERVIEW (CONT'D)

The studies for the 25 river basins defined for the management and development of water resources, have been carried out by the DSI and the MoEF in cooperation with the other relevant institutions.



AGENDA ITEM: WATER QUALITY- WATER FRAMEWORK





LEGISLATIVE FRAMEWORK

Laws;

- Law No:4856 on the Establishment and Duties of the MoEF
- Law No.6200 on the Organization and Duties of the DSI
- Law No. 1053 on Potable, Utility and Industrial Water Supply in Ankara, Istanbul and Cities with a Population Over One Hundred Thousand
- Law No.167 on Groundwater
- Law No:1380 on Fisheries
- Law No.2464 on Municipal Revenues as amended by the Law No.5035

LEGISLATIVE FRAMEWORK (CONT'D)

By-laws;

- By-law on Water Pollution Control
- By-law on Control of Pollution by Dangerous Substances in Water and its Environment
- By-law on Fisheries
- By-law on Quality of the Surface Water Intended for the Abstraction of Drinking Water

LEGISLATIVE FRAMEWORK (CONT'D)

- By-law on Protection of Waters Against Nitrate Pollution from Agricultural Sources
- By-law on Urban Wastewater Treatment
- By-law on Water Intended to Human Consumption
- By-law on Aquaculture

COMPETENT AUTHORITIES

The Ministry of Environment and Forestry (MoEF);

- Ensure coordination and cooperation for overall development and implementation of environmental policies
- Develop and approve of environmental plans and ensure implementation
- Ensure establishment of laboratories
- Ensure implementation of the national EIA regulation
- Designate Ramsar sites
- Ensure the coordination of harmonization of the Turkish Water Legislation with the EU Acquis

COMPETENT AUTHORITIES (CONT'D)

- Determine the classification of the quality of water resources
- Determine the quality criteria related to water resources
- Issue water discharge permits for installations, monitoring discharges and wastewater treatment plants
- Approve projects concerning wastewater treatment plants for industrial installations
- Prepare contingency plans for protection of water resources

COMPETENT AUTHORITIES (CONT'D)

The Directorate General of State Hydraulic Works (DSI)

- Water management with 25 regional directorates
- Investigation, planning, design, construction and operation for irrigation domestic water supply, hydroelectric energy and environment
- Responsible for protection of surface water and groundwater
- Responsible for allocation and registration of groundwater
- Responsible for flood control

COMPETENT AUTHORITIES (CONT'D)

Ministry of Agriculture and Rural Affairs(MARA)

- Protecting the resources of water, plants, animals and fisheries as well as the products therefore
- Control of wastewater discharges in fish production areas
- Monitoring of nitrate parameter of parameters in freshwaters and groundwater

Having 40 Provincial Control Laboratories which measures quality of inland waters, marine environment and all wastewaters

COMPETENT AUTHORITIES (CONT'D)

The Bank of Provinces (BoP)

Affiliated with the Ministry of Public Works and Settlement as well as public works relating to drinking water supply and treatment, sewage systems and urban wastewater treatment and solid waste disposal for municipalities

The Ministry of Health (MoH)

Plays an important role in certain aspects of environmental protection through its responsibilities for public health. In the water sector, it has certain responsibilities for drinking water quality and bathing water quality and certain responsibilities for urban wastewater collection and treatment

CURRENT SITUATION

Characteristics of River Basin

The following information is available for the 25 river basins

- topography
- meteorology
- hydrology
- geology
- the properties of the soil source if the project aims at irrigation
- the agricultural properties of the area which are directly affected from the project or planned to be developed for irrigational purposes (product variety).

CURRENT SITUATION (CONT'D)

Protected Areas

- Drinking Water Dams
- Groundwater
- Wetlands
- Specially Protected Areas (Barcelona Convention)
- Sensitive areas

CURRENT SITUATION (CONT'D)

Economic Instruments for Water

- “Polluter Pays” principle
- Economic analysis of the planned projects
- The water and wastewater tariffs are determined by Municipalities
 - user fee
 - sewage connection fee
 - incompliance fee
- Irrigation facilities costs

CURRENT SITUATION (CONT'D)

Measures for Water Pollution Control

The measures are given within the scope of;

- Law on Environment
- By-law on the Water Pollution Control
- By-law on Control of Pollution by Dangerous Substances in Water and its Environment
- By-law on Quality of the Surface Water from Which Drinking Water is Obtained or Planned

CURRENT SITUATION (CONT'D)

Monitoring and enforcement

Monitoring;

- Surface waters
- Seas (Within the framework of the Barcelona Convention and the Bucharest Convention)
- Groundwater
- Drinking waters

CURRENT SITUATION (CONT'D)

Enforcements:

In Turkey, administrative and penal sanctions are imposed based on these Laws;

- Law on Environment
- Law on Groundwater
- Law on Fisheries

CURRENT SITUATION (CONT'D):

Management Plans

- Basin master plans aimed to improve the water sources in the 25 defined river basins have been prepared.
- According to these plans drinking and domestic, irrigation and industrial water is supplied and projects are developed for constructing dams and producing hydropower.

TECHNICAL STUDIES ON THE WFD

- Definitions

(hazardous substances, surface water, groundwater, river, lake, coastal water, pollution, environmental quality standards)

- Measures

- Priority Substances

(Annex X of the Directive 2000/60/EC)

TECHNICAL STUDIES ON THE WFD (CONT'D)

Implementation of the Water Framework Directive in Turkey Project (MATO1/TR/9/3):

- The aim of the Project was to support Turkey with the implementation of the WFD.
- In this project supported by the MATRA Pre-accession Program of Netherlands legal and administrative analysis was performed.
- A report on the legal and institutional developments required to meet EU legal requirements in the field of water management in Turkey was prepared.

TECHNICAL STUDIES ON THE WFD (CONT'D)

- Technical studies for the preparation of an Environmental Approximation Strategy of Turkey are about to come into being.
- The outputs of the following projects are taken into account in the preparation of the Strategy:
 - Technical Assistance for the Preparation of the Integrated Environment Approximation Strategy for Turkey Project financed under EU MEDA Program (2003-2004)
 - Technical Assistance for Environmental Heavy Cost Investment Planning Project within the framework of the Capacity Building in the Field of Environment for Turkey financed under the 2002 EU Pre-Accession Financial Assistance (2003-2005)

TECHNICAL STUDIES ON THE WFD (CONT'D)

The Strategy document would present Turkey's action plan for environment management, including

- targets
- strategies
- financial programme

for short, medium and long terms

The Strategy will be finalised after being approved by the Government

ISSUES IN WATER SECTOR

- Improvement of institutional capacity
- Enhancing cooperation between institutions
- Updating laws and regulations
- Mobilization of financial resources
- Public-private sector partnerships

FURTHER PROGRESS

- Preliminary technical studies are going on about preparation of the new water legislation.
- A project called “Capacity Building Support to Turkey for the water sector Project” was submitted to the EU-TR 2006 Pre-Accession Financial Assistance Programme.

Project purpose:

To assist Turkey in the water management in line with the EU water legislation, in order to enable the implementation of the EU water *acquis* by the date of Turkey's accession to the EU

- Water Framework Directive 2000/60/EC
- Urban Wastewater Treatment Directive 91/271/EEC
- Dangerous Substances Directive 76/464/EEC

Difficulties for implementation would be identified based on further analysis.

Project Components are:

- Legal analysis of the WFD, UWWTD and DSD
- Development of implementation plans for the WFD and DSD
- Pilot implementation of the principles of the WFD and UWWTD and Dangerous Substances Directive at Buyuk Menderes River Basin.

The project which is planned to be completed by 2009, will support approximation studies for water sector.



Thank you for your attention