

**General Directorate of Water Management**

**Developments in Turkey in the Context of  
Participatory Approach Based on River  
Basin Management**

**Saliha DEĞİRMENCİOĞLU**  
Section Director of Basin Management

**16 October 2012**

# Content

- ❖ **Institutional Structure**
- ❖ **Legal Arrangements**
- ❖ **River Basin Protection Action Plans  
and River Basin Management Plans**
- ❖ **Conclusion**

# Importance of Water Resources

•In the recent years, throughout the world the water resources have gained more significance than ever.

•In the Middle East, where Turkey is also located, the scarcity of water is being experienced severely.

•This region is in a semi-arid climate; therefore, the potential of water resources is low.



•On the other hand, rapidly increasing population of the countries in the region has also influenced the demand for water.

# Integrated Water Management

- The success of water management is achieved only by accurately determining the whole relationships among processes effecting the hydrologic system.
- In this stage, the definition of the system (*basin*) will enable a rational and effective water resources management.
- The sustainability approach, which meets the long-term water demands without creating undesirable effects on the system at the end of active water usage period, must be used.



# River Basins in Turkey



## Turkey as EU Candidate Member



**During the presidency of Sweden beginning of negotiations for Environment - Chapter 27 officially declared at the “Intergovernmental Accession Conference” which took place in Brussel, December 21st, 2009**

# Turkey as EU Candidate Member

**Two closing benchmarks for water:**

- **Transposition of WFD**
- **River basin management plans for 25 river basins**

# INSTUTIONAL STRUCTURE





# The Ministry of Forestry and Water Affairs



## General Directorate of Water Management

- The Ministry of Forestry and Water Affairs is the competent authority on subjects related with water
- Ministry has a general coordination task in terms of development and implementation of Turkey's water policy
- Ministry also has responsibilities about water management and protection of water.

## Other Water Related Institutions

- ❖ **General Directorate of State Hydraulic Works (DSİ)** is charged with "single and multiple utilization of surface and ground waters and prevention of soil erosion and flood damages". For that reason, DSİ is empowered to plan, design, construct and operate dams, hydroelectric power plants, domestic water and irrigation schemes.
- ❖ **General Directorate of Nature Conservation and National Parks** is responsible from the management of wetlands, biodiversity and application of Habitat and Biodiversity Directives.
- ❖ **The Ministry of Environment and Urbanisation** is responsible from the control, inspection and sanction of discharges, providing of effective public cooperation and preparation of Environmental Impact Assessment and Environment Plans.
- ❖ **The Ministry of Health** has responsibility about water intended for human consumption
- **The Ministry of Food, Agriculture and Livestock** has responsibility about Nitrate By-Law, Water for Shellfish Directive (2006/44/EC), Water for Freshwater Fish Directive (78/659/EEC – consolidated version 2006/44/EC)

# Legal Arrangements

- ✓ The law numbered as 5491
- ✓ Water Law
- ✓ Water Pollution Control Regulations
- ✓ Water Pollution Control Regulation, Communiqué on Procedures and Principles for Determination of Special Provisions in Basins
- ✓ The regulation about the quality of surface water which is used or planned to be used as drinking water
- ✓ The revision about the regulation on the control the pollution which is caused by dangerous substances in water and its environment
- ✓ Communiqué on Sensitive and Slightly Sensitive Water Areas
- ✓ Communiqué on technical methods for the wastewater treatment plants
- ✓ The Regulation about the Rates for Wastewater Sewage Systems and Solid Waste Disposal Systems

# Legal Arrangements

The Legislation which is already prepared by General Directorate of Water Management given below;

- Regulation on River Basins Protection
- Regulation on Protection of Water Sources, Determination of Special Provisions and Special Planning Studies
- Regulation on Reuse of Treated Wastewater,
- Regulation on Water Tariff,
- Regulation on Prevention of Water Loss and Leakage
- Regulation on Management, Classification and Monitoring of Surface Water Quality,
- Regulation on the Quality of Surface Water Which is Obtained or Planned to be Obtained as Drinking Water



- **Water Management Coordination Committee is established for *the determination of measures to the protection of water resources in a holistic way, achievement of coordination and corporation of different sectors, enhancement of water investments, attainment of goals stated in national and international documents and implementation of institution's responsibilities stated in the river basin management plans.***

## Ministry of Forestry and Water Affairs (chaired by the Minister)

Ministry of Environment and Urbanisation

Ministry of Internal Affairs

Ministry of Foreign Affairs

Ministry of Health

Ministry of Food, Agriculture and Livestock

Ministry of Science, Industry and Technology

Ministry of Energy and Natural Resources

Ministry of Culture and Tourism

Ministry of Development

Ministry of European Union

Turkish Water Institute

Universities, NGOs, Employee Associations and Private Sector Representatives



# By-Law on Protection of Water Basins and Preparation of Management Plans

- General Directorate of Water Management has prepared By-Law on Protection of Basins and Preparation of Management Plans.
- The aim of this By-Law is determination of procedures and principles of planning and protection of quantity and quality of groundwater and surface water by a **holistic approach**.

# By-Law on Protection of Basin and Preparation of Management Plans

- In the process of preparation of River Basin Management Plans, the Ministry of Forestry and Water Affairs enables the active participation of all related agencies and institutes by receiving opinions about plans.
- Raising awareness in the public and participation of stakeholders is one of the important points of successful implementation of river basin management plans.



# RIVER BASIN PROTECTION ACTION PLANS

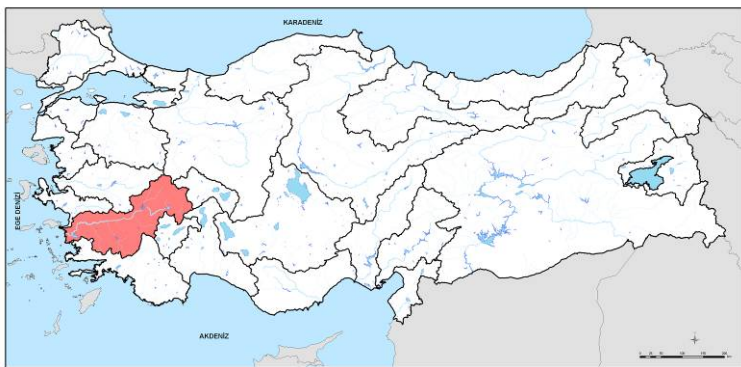
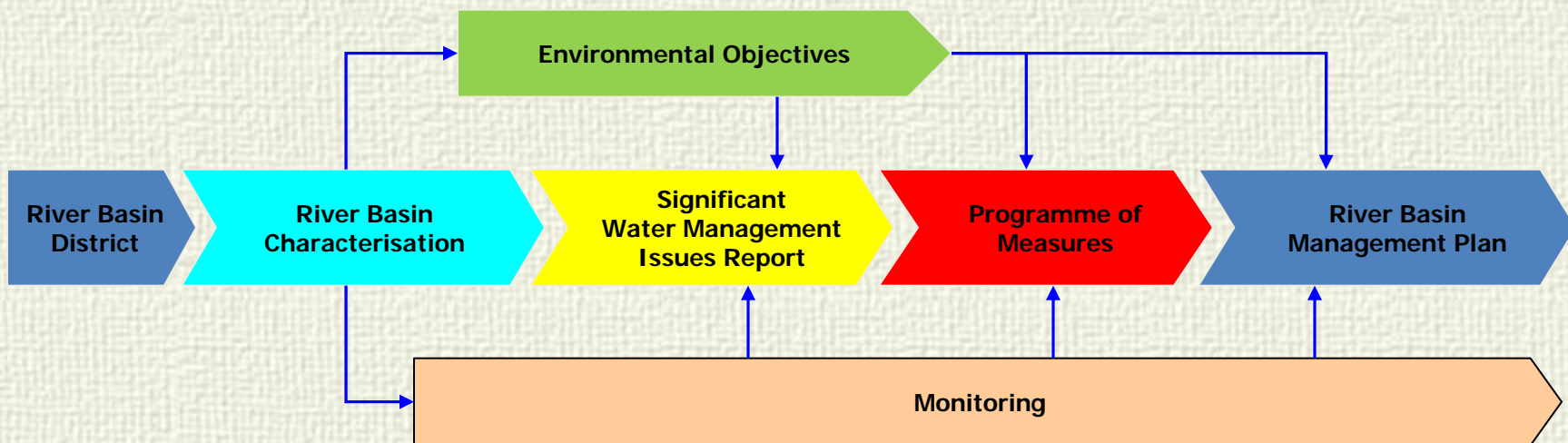
## In the scope of River Basin Protection Action Plans

- Quantity, properties and pollution of surface and groundwater are determined,
- Pressure and impacts as a result of industrial, agricultural and economical activities are determined,
- Water quality maps are formed,
- Programme of measures in the short, medium and long terms is prepared.

# STATUS OF BASIN PROTECTION ACTION PLANS



# The River Basin Management Plan for the Büyük Menderes 2007-2010



EU Twinning project on “Capacity Building for Water Sector in Turkey” project was started in 2007 and completed in February 2010.

## IPA-2011 Project on the Conversion of River Basin Protection Action Plans into River Basin Management Plans

**Budget** : 6.600.000 Euro

**Duration** : 3 years

**Beneficiary** : Ministry of Forestry and Water Affairs

**Duration** : 2013-2015

- Maritza/Ergene Basin,
- Susurluk Basin,
- Akarçay Basin,
- Büyük Menderes Basin and
- Konya Closed Basin

# Participatory Approach in River Basin Protection Action Plans

During the Preparation of River Basin Protection Action Plans of 14 Basins Project (2011 – 2013) there will be 3 meetings with stakeholders for each basin.

<b>Opening Meetings</b>	<b>February – April 2012</b>
<b>1. Stakeholder Meeting</b>	<b>February – April 2013</b>
<b>2. Stakeholder Meeting</b>	<b>September – October 2013</b>



## Basin-wide Trainings

- 39 persons are received certificate in Training of Trainers Project.
- 60 persons are received certificate in Water Footprint Training
- Basin management training is given to municipalities.
- NGO pool is formed.
- Negotiation training is done.



# Conclusions

- ✓ Integrated Water Management
- ✓ Basin-wide Approach
- ✓ Coordination
- ✓ Public participation



# Thank you for your attention

E-mail: [sdegirmencioglu@ormansu.gov.tr](mailto:sdegirmencioglu@ormansu.gov.tr)

