

WATER MANAGEMENT IN TURKEY



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Sectoral Water Use in Turkey

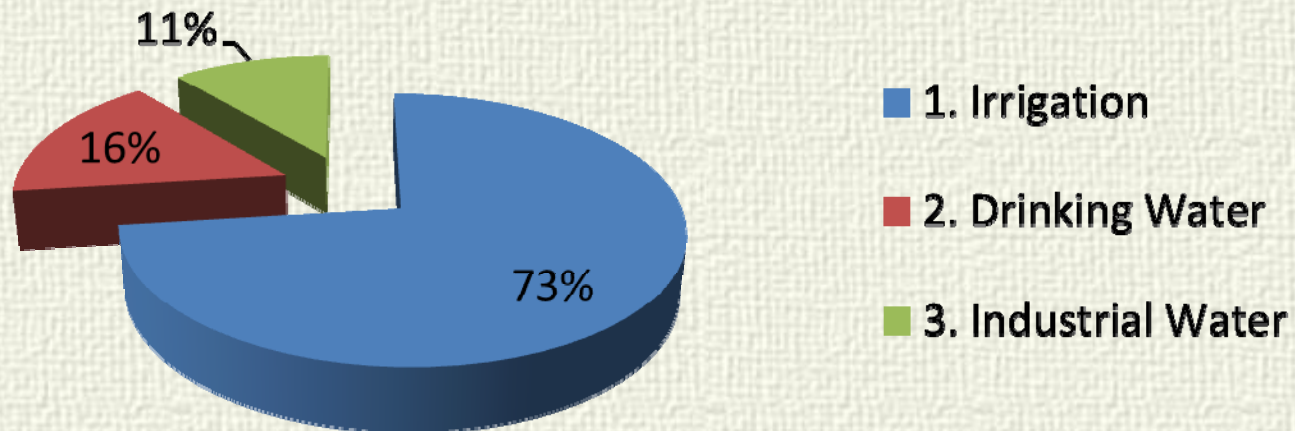
Irrigation: 32 billion m³ (%73)

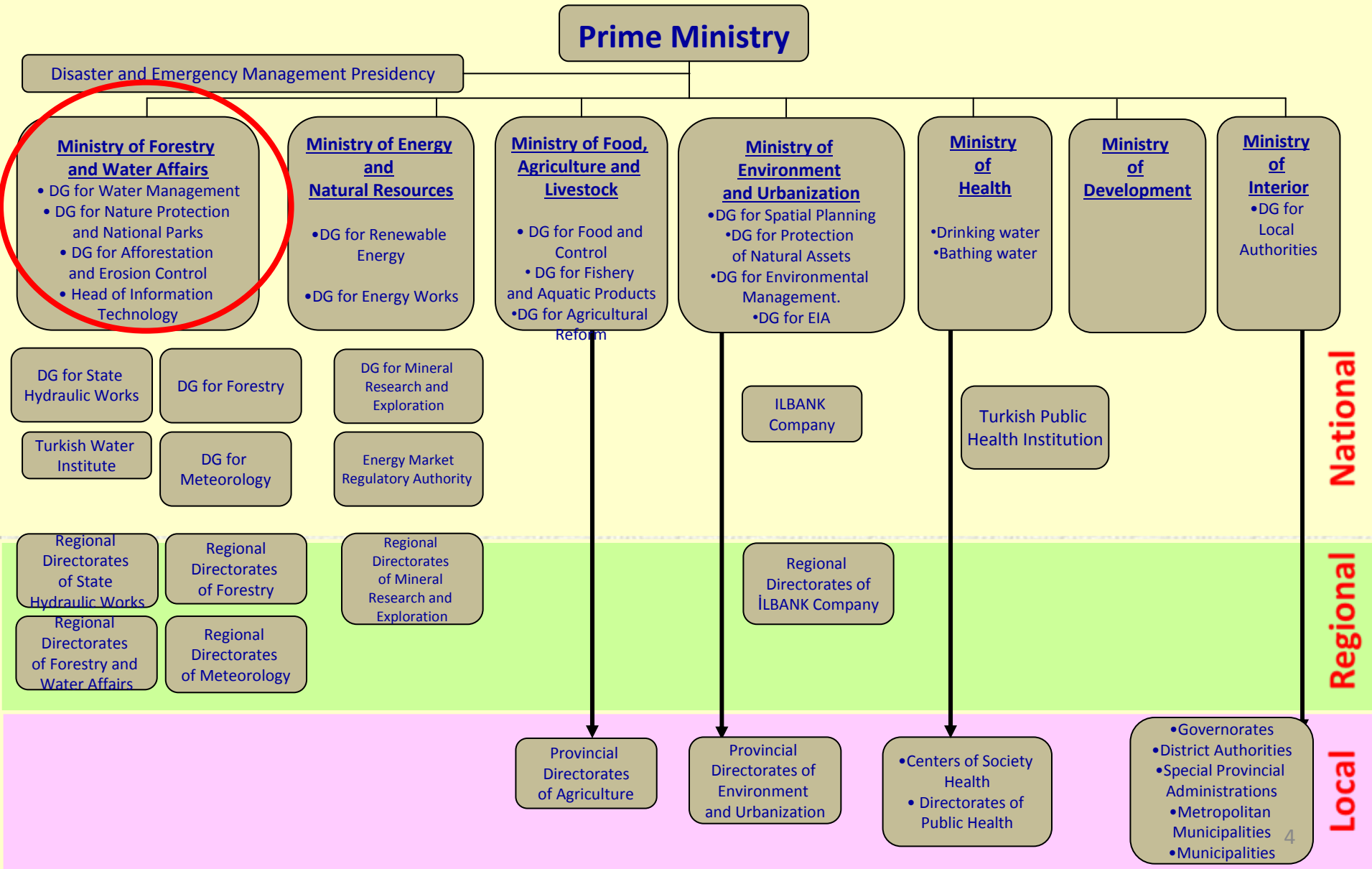
Drinking: 7 billion m³ (%16)

Industrial: 5 billion m³ (%11)

Total Used Water: 44 billion m³

Annual Water Amount per person : 1460 (m³/person-year)





National

Regional

Local

LAWS RELATED TO WATER

- ✓ The Law About Water (1926)
- ✓ The General Sanitation Law (1930)
- ✓ Protection Law Against Flood Water and Inundation (1943)
- ✓ DSI Law (1953)
- ✓ The Law on Drinking Water for Villages (1960)
- ✓ The Law of Drinking Water Supply for Municipalities (1968)
- ✓ The Law About Aquaculture (1971)
- ✓ The Law on Foundation and Services of ISKI (1981)
- ✓ The Law on Territorial Water (1982)
- ✓ Coastal Law (1990)
- ✓ The Law for Metropolitan Municipalities (2004)
- ✓ Municipality Law (2005)
- ✓ The Law of Provincial Special Administration (2005)
- ✓ Environmental Law (2006)
- ✓ The Law on Geothermal Sources and Mineral Water (2007)

A NEW INSTITUTION

GENERAL DIRECTORATE OF WATER MANAGEMENT was Established on 4 July 2011 under the Ministry of Forestry and Water Affairs

TASKS OF GDWM - I

1. River Basin Management Planning
2. Coordination of Water Sector in EU Harmonization
3. Water Policy Determination
4. Coordination of Transboundary Waters Issues
5. Legislation
6. Inventory and Water Data System
7. Sectoral Water Allocation
8. Qualitative Classification of Water
9. Developing Water Discharge Standards and Criterion
10. Water Quality Standards for Receiving Environment

TASKS OF GDWM - II

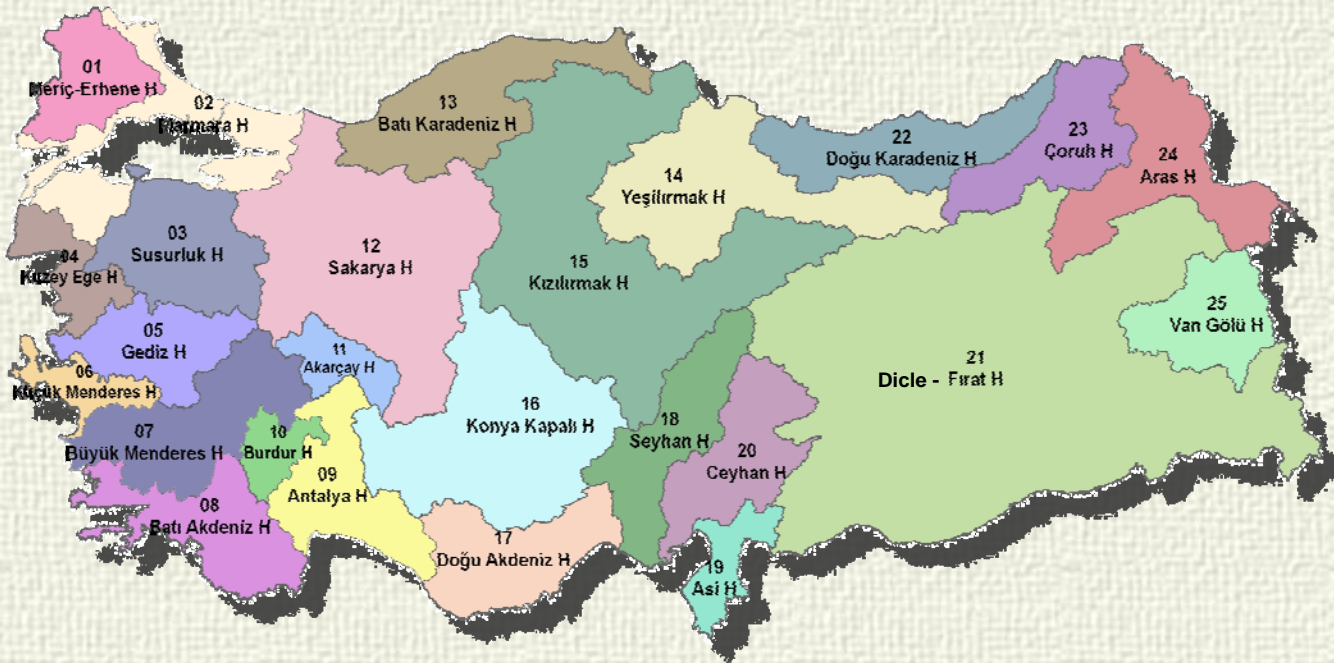
11. Determination and Monitoring of Sensitive Areas
12. Preparing of Quality Monitoring
13. Preparing of Flood Risk and Hazard Maps
14. Flood Management Planning
15. Drought Management Planning
16. Climate Change Adaptation
17. Water Efficiency

BASIN BASED APPROACH

The Policy of Water Basin;

Approach to basin-based solutions instead of individual solutions :

- Basin Protection Action Plans
- River Basin Management Plans (WFD)
- National Basin Management Strategy



RIVER BASIN PROTECTION ACTION PLANS

River Basin Protection Action Plans for all 25 River Basins have been prepared.

Purpose

- At the first instance, investigation of the water resources potential, point and diffuse pollution sources and existing water quality and the making of more economically viable, sustainable and efficient plans in the short, medium and long term

Actions

- Analysis of the pressures and impacts of the urban, industrial, agricultural, economic etc in the basin; characterisation of the existing status
- Listing the necessary measures in the basin to achieve good water status
- Planning urban waste water treatment plants for settlements, setting individual and/or joint treatment possibilities and capabilities
- Detecting the necessities for the renovation or rehabilitation of existing treatment plans, defining measures
- Scheduling the activities of all institutions and agencies which have responsibilities within the basin for undertaking the activities within the plan
- Ensuring the activities to be undertaken within this schedule under the control of the Ministry of Forestry and Water Affairs.

BASIN MANAGEMENT



Coordination Committee is comprised of senior manager of 16 institutes under the chairmanship of Minister of Forestry and Water Affairs.

Responsible for,

following actions closely with a **participatory approach**

serving as an advisory group composing of universities and NGOs will be formed

ENVIRONMENTAL CHAPTER NEGOTIATION PROCESS

Environmental Chapter has been opened for negotiations
in December 2009.



CLOSING CRITERIA OF ENV.CHAPTER

There are 6 criteria to close Environmental Chapter and the followings are about water quality sector

- Adopting legislation aimed at transposing the acquis in the field of water quality, notably its Framework Water Protection Law;
- Establishing River Basin Management Plans;
- and making further significant progress in legislative alignment in this sector by adopting implementing legislation,”

In Turkey, EU harmonization studies are ongoing. RBMPs for 4 Pilot basins have been started and the other basins management plans will be completed at the end of 2020

LEGISLATIVE EFFORTS

Since establishing of GDWM, 2011;

14 by-laws and communiques were published

4 by-laws and communiques are at the stage of publishing

9 by-laws and communiques are at the stage of preparation

Law / By Law	Status	Related EU Legislation
By-Law of Surface Water Quality Management	Publicated in Official Gazette (30.11.2012 - No. 28483)	Water Framework Directive & Directive on Environmental Quality Standards
By-law On The Protection Of Groundwater Against Pollution And Deterioration	Publicated in Official Gazette (07.04.2012 – No. 28257)	Groundwater Directive
By-Law of Protection of Water Basins and Preparation of Management Plans	Publicated in Official Gazette: 17 October 2012, no 28444	Water Framework Directive
By-Law on “Monitoring Surface and Ground Water”	Publicated in Official Gazette (11.02.2014 – No. 28910)	Water Framework Directive

ONGOING PROJECTS

Project Name	Time period
Preparation of River Basin Management Plans for 4 Basins	EU Project 2014-2017
Determination of Sensitive Areas and Water Quality Targets on the basis of Basin	2012-2015
Determination of Monitoring Points and Reference Points on the basis of Basin, 2. Group (for 5 basins)	2011-2014
Preparation of Drought Management Plans	2013-2015
Preparation of Flood Management Plans	2013-2015
Project on Climate Change Adaptation and Effects of Climate Change on water resources	2013-2016
Capacity Building for Implementing of Flood Directive	EU Project (2012-2014)
Capacity Building on Water Quality Monitoring	EU Project (2011-2015)
Preparation of Sectoral Water Allocation Plan in Seyhan Basin	Tendering process 15

THANK YOU

