

A blue background with a central water droplet falling and creating ripples. The droplet is in the middle of the frame, and the ripples are concentric circles around it. The text is in yellow.

# WATER MANAGEMENT IN BULGARIA

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# The national water management in Bulgaria has a long history

- ✓ Common state water programme – 1920
- ✓ United water management plan - 1950
- ✓ First Bulgarian Water Act 1969
- ✓ Bulgarian Water Act 1999 – Introduces the river basin principle of water management and the requirement of production of River basin management plans (RBMPs)
- ✓ Bulgarian Water Act 2006 – harmonization with EU water legislation

## Обща държавна програма по водитѣ

### Глава I

#### Общи начала

§ 1. За единъ пътѣ и цѣлесъобразно стопанисване на водитѣ въ Царството и за постигане съвременно и сътрудничество между разнитѣ учреждения, нацонарени съ извършване на работи по водитѣ въ страната, установила се следната обща държавна програма по водитѣ.

§ 2. Общата държавна програма обхваща:

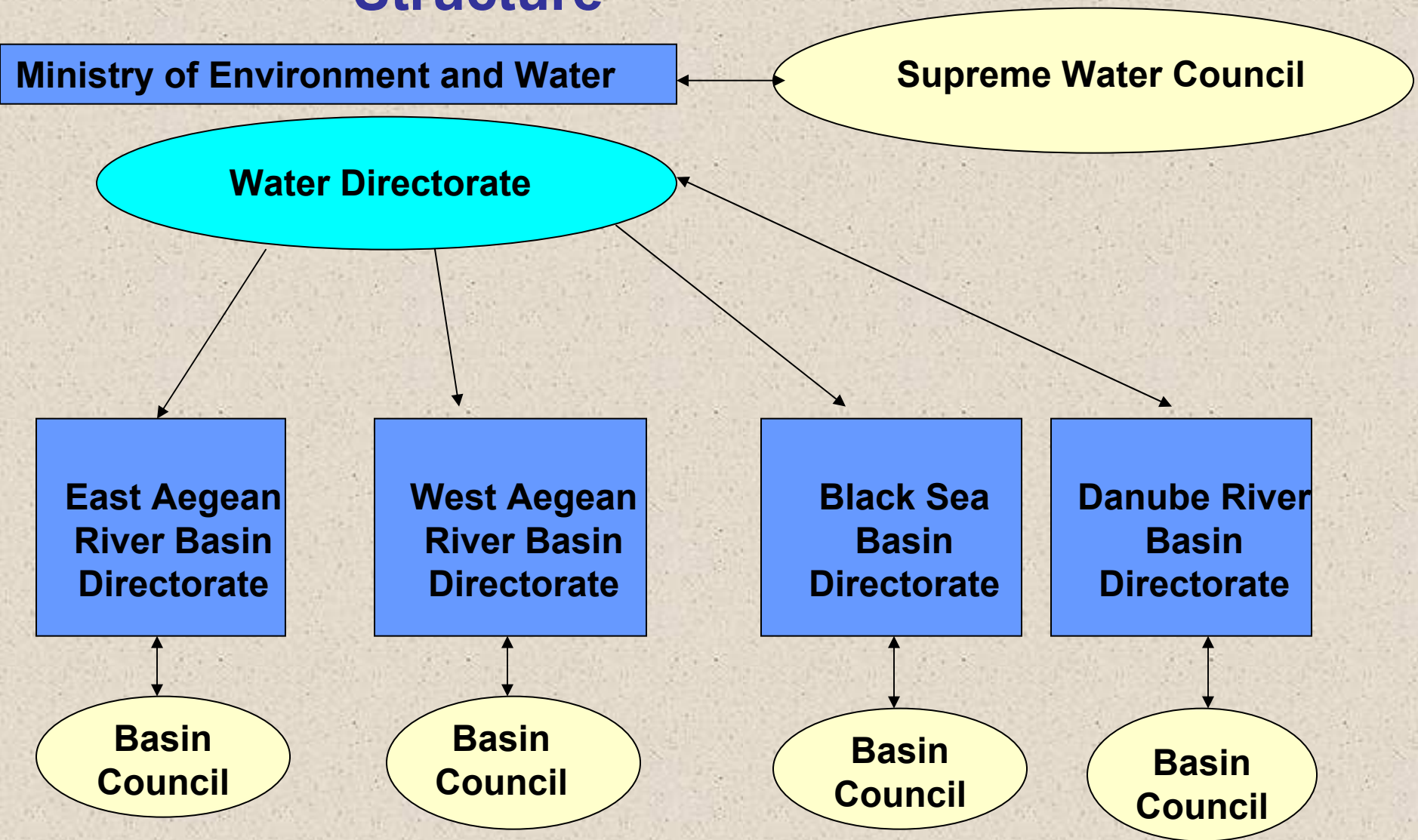
- 1) язовирнитѣ (баражъ-резервоарнитѣ);
  - 2) укрѣпяването на поронитѣ и залѣсване горнитѣ части на порѣчицата;
  - 3) охрана на рѣкитѣ, включваща: а) укрѣпяване и охрана бреговетѣ и дното на рѣкитѣ, б) намаление или снижане наводненията и пикетнитѣ отъ тѣхъ и в) направата на създани или плавателни;
  - 4) използване водитѣ: а) за попълване, б) за добиване енергии, в) за общо ползуване и водоснабдяване;
  - 5) земнитѣ подобрени чрѣзъ: а) отводняване и б) па- тлаване (комматация);
  - б) водописателната служба (хидрографитѣ) и катастра по водитѣ (водене регистри за водоползуванитѣ).
- § 3. Всички работи по водитѣ въ страната, извршени въ § 2 и предприемани отъ държавата, общини, окръзи, водни синдикати, дружества и частни лица, ще се извършватъ при пълно спазване постановленията на настоящата обща държавна програма по водитѣ и по предпа- рително установенитѣ за порѣчието на всяка една рѣка водостопански планове (или програми) за порѣчицата.
- Подъ шортине ще се разбира платното русло на рѣката, заедно съ всички негови притоци и водосборния ѣкъ басейнъ.

Въ водостопанскитѣ планове за отдѣлитѣ юрѣции, всяка рѣка трѣбва да се разглежда като едно цѣло. Всички видове водни мероприятия въ тѣхъ ще се изучаватъ, проектиратъ и извършватъ въ връзка едно съ друго така, че да се добие най-пълно и най-рационално използване на водитѣ въ порѣчието за всички цѣли, при най-пълно и хармонично задоволяване на всички нужди.

§ 4. Прицѣпката на нуждитѣ и интереситѣ ще става отъ Върховния Съветъ по Водитѣ. За рѣшающъ кри- терий ще се приема винаги общата народностопанска полза.

Bulgaria became a member- state in 2007 but the country was following all the requirements of the Water Framework Directive from 2002

# Structure



# **Water Management In Bulgaria**

**The WATER MANAGEMENT IN BULGARIA is realized at national and river basin level.**

**Bulgarian Ministry of Environment and Water and the Water Directorate in particular provides the national policy for water management.**

**The delineation of river basin districts is based on natural distribution of main river watersheds in the territory of Bulgaria.**

**4 river basin districts are determined in Bulgaria. One of them is the East Aegean River Basin Directorate situated in the South part of Bulgaria.**

# River basin districts and river basin directorates



- 4 river basins based on the natural watersheds;
- 4 river basins directorates

The Directors of the River Basin Directorates are the bodies of water management at basin level. They manage and represent the Basin Directorates and implement the state water management policy at basin level.

# COMMON INFORMATION ABOUT EARBD



- Area - 35 230 км<sup>2</sup> - 32%
- Population - 2 264 319 - 30%
- 90 municipalities
- 1772 agglomerations

- 4 main river basins

- International basin of Maritza river

- Other countries from the international basin of Maritza river – Greece and Turkey



# East Aegean River Basin Directorate:

- is an administrative body for water management at river basin level;
- is a structure of the Bulgarian Ministry of Environment and Water;
- is one of the four river basin directorates in Bulgaria;
- is a competent authority for water management in the sense of WFD;
- is implementing the state water management policy at river basin level.

# Functions of the River Basin Directorates

- **Planning** – Development and actualization of River Basin Management Plans (RBMP) and Flood risk Management Plans (FRMP), Reporting, Control of implementation of Programs of measures, public consultation, support the cooperation of RBMP and FRMP with competent authorities of other countries
- **Licensing** – issuing permits for water abstraction and usage, amendments, maintenance of register of permits
- **Controlling** – control of the activities in river beds and the compliance with the requirements of the issued permits
- **Monitoring** – assess the current status of water quantities and qualities, operate the national network of water monitoring



# Transboundary cooperation

According to the Water Framework Directive and the Flood Risk Management Directive each member state shall ensure appropriate coordination with member states or non-member states with the aim of achieving the objectives of the Directives throughout the international river basin district.

# International Convention for the Protection of Danube River (ICPDR)

ICPDR is the coordinating body for implementing the **EU Water Framework Directive** and **EU Floods Directive** in the Danube River Basin

- ICPDR established on the **Danube River Protection Convention** (signed 1994)
- Mandate to ensure **conservation, improvement and rational use** of surface waters and groundwater
- Reduce inputs of **nutrients and hazardous substances**
- Control **floods and ice hazards**
- Reduce pollution loads to the **Black Sea**



# Convention on the Protection of the Black Sea Against Pollution

## **Countries**

Bulgaria, Georgia, Romania, Russian Federation, Turkey and Ukraine

## **Convention – signed 21-04-1992**

The Commission on the Protection of the Black Sea Against Pollution (the Black Sea Commission) implements the provisions of the Convention and the Black Sea Strategic Action Plan.

## **Main Challenges**

- Combating Pollution from land-based sources and maritime transport,
- Achieving sustainable management of marine living resources,
- Pursuing sustainable human development.

## **Main Policy Measures**

- Pollution reduction from rivers, priority pollution sources, vessels; regulatory and legal tools
- Conservation of biological diversity, expansion of protected territories, promotion of responsible fisheries
- Introduction of ICZM, promotion of EIA environmental audit, ecologically sound technologies, public involvement in environmental decision making, green tourism and sustainable livelihood

# Development of Early Warning system and flood forecasting for the international basin of Maritza river

## STEP 1

Project on Capacity improvement for Flood Forecasting and Early Warning System for Maritza and Tundja rivers in the Bulgarian – Turkish region, Phare programme for Bulgaria, 2005-2008

## STEP 2

New project on Flood Forecasting and Early Warning System for Arda river basin in the Bulgarian – Greek region – now we are waiting for approval, INTERREG IV



# PROJECT PHARE BG 2003/005-630.05 „Technical Assistance for Water Quality Management of Arda River

The project “Technical Assistance for the Arda River Waters Quality Management”, carried out from December 2005 to June 2007, ensures expert and **technical assistance for management of the quality of waters in the Arda river basin**, in cooperation with the Kardjali municipality and East Aegean River Basin Directorate in Plovdiv, and is managed by the Ministry of Regional Development and Public Works. It is aimed at supporting the integrated management and prevention of pollution in the river basin, by establishing business partnership between interested parties from Bulgaria and Greece and ensuring technical assistance in evaluation of the Arda river condition and drawing recommendations for improvement of the systems for monitoring based on the principles of the European Waters Framework Directive.



# Agreement Greece - Bulgaria

- The Ministers of Environment and Water of Bulgaria and Greece signed an **AGREEMENT FOR COOPERATION** in water management for the international river basins of the two member states on July 2010
- **3 BASIC PILLARS** of the agreement :
  - Building and supporting of flood early warning system for the transboundary rivers in Bulgaria and Greece
  - Coordination of the River Basin Management Plans in order to reach the ecological objectives for good water state according the EU standards
  - Usage and insurance of water for drinking, industrial, hydroenergy, agricultural needs and water connected to protection of ecosystems will be based on the principles of the Water Framework directive, the mutual benefits and state sovereignty
  - creating of common expert group which will create the rules for institutional interaction and cooperation.
- **MEETINGS**
  - First meeting – Coordination meeting, May 2011
  - Second meeting – Planned for October 2011



# Cooperation between East Aegean River Basin Directorate and Artois-Picardie Water Agency, France



**2006** - the EARBD and the Artois-Picardie Water Agency signed the first cooperation agreement (with support from EU Twinbasin fund used for supporting missions to both countries)



**Experience sharing** on WFD implementation, role of basin committee, water management and economics, public consultation and stakeholders involvement

## **2006/2009 - facing together the WFD challenges**

Development of **programmes of measures** for achieving good ecological status in 2015 : which measures, how to assess the cost of these measures and its impact on economic sectors

**Communicate on WFD:** Stakeholders involvement and public consultation based on the cooperation experience was shared through meetings with other river basin authorities in Bulgaria in a workshop

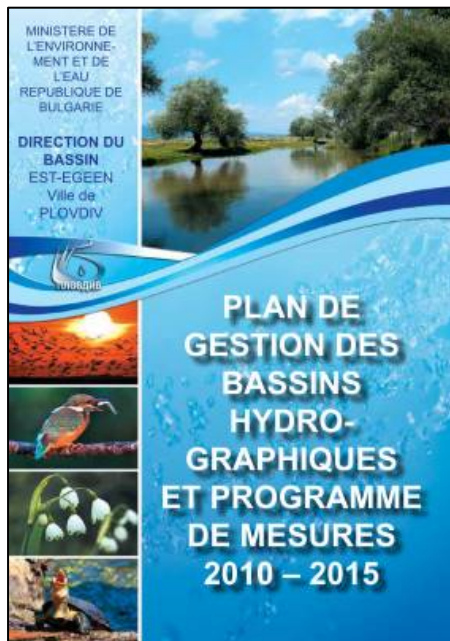
**2009/2010 - A cooperation strengthened by a new EU twinning and the renewal for 5 years of the cooperation agreement**



# Cooperation between East Aegean River Basin Directorate and Artois-Picardie Water Agency, France



## Outputs



ECOWHAT? is a learning session for introducing to Integrated water Management and the use of economic tools.



# Thank you for your attention!

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