

WATER MANAGEMENT IN ROMANIA

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I - Water management in Romania

Romania – general information

- Location: S-E Europe
- Surface: 238,391 skm
- Population : 21.5 millions
- Administrative division: 41 counties and Bucharest municipality
- Relief: 31 % mountains, 36 % hills and plateaus and 33% plains
- Land use: 61.7% agricultural land, 28.2 % forests, 3.6 % waters and ponds



I - Water management in Romania

97.8 % of Romania surface is in the Danube River Basin
30% of Danube river basin is in Romania



I - Water management in Romania

Organisation of the water management system in Romania

First level: **Ministry for Environment Climate Change** – the central authority in water sector

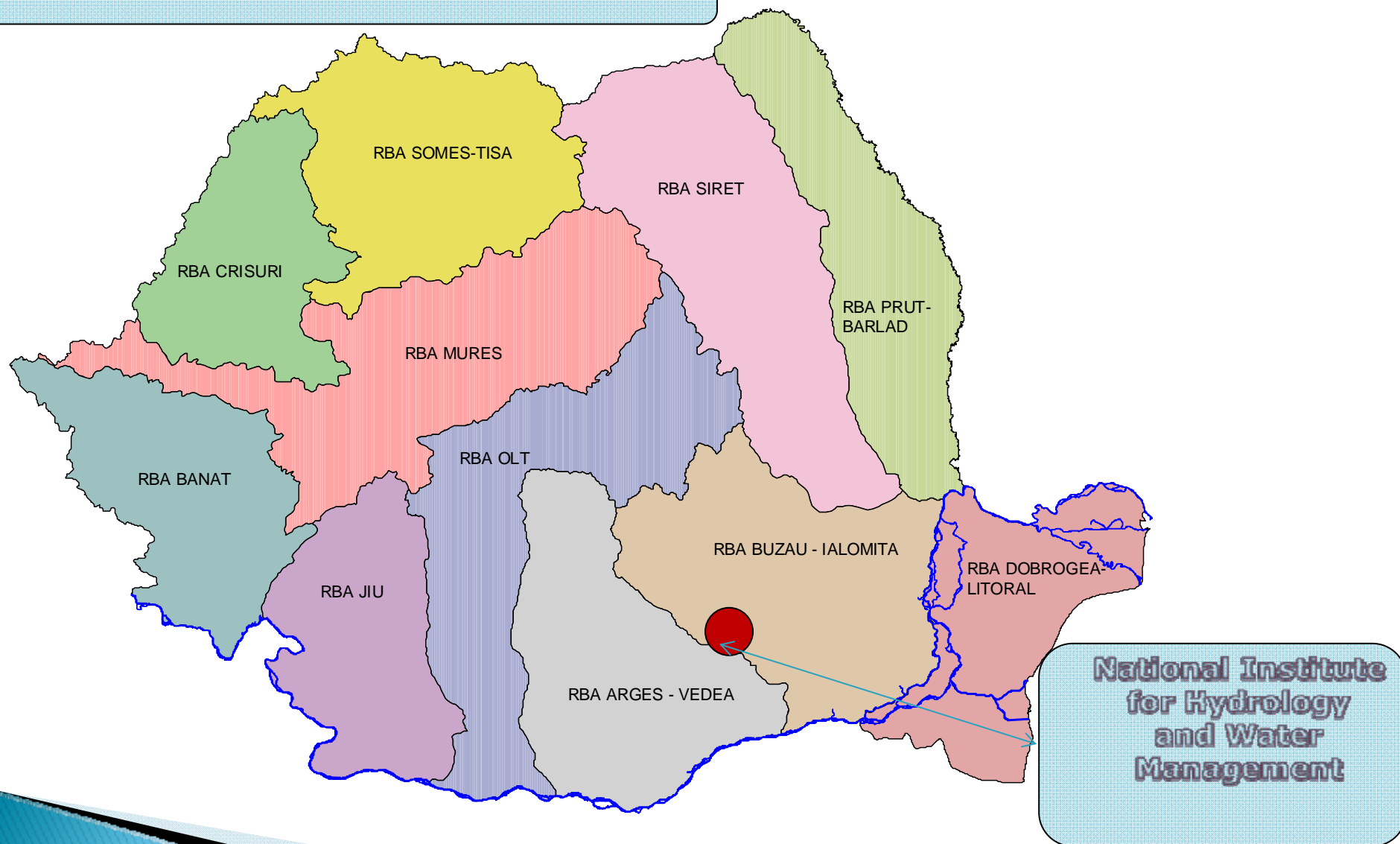
Second level: **National Administration “Romanian Waters”** – the implementing authority of water management policy

Third level: -**River Basin Administrations** corresponding to the main catchment areas (11)
 -**NIHWM** – national authority in hydrology, hydrogeology and water management field

Forth level: **Water Management systems** – organized at county level (42)

I - Water management in Romania

11 BASIN ADMINISTRATIONS



I - Water management in Romania

National patrimony – N.A. “Romanian Waters”

- ✓ 78,905 km watercourses
- ✓ 122 natural lakes
- ✓ 318 reservoirs specially for flood control and water supply (out of the about 2000 existing dams)
 - 130 are large dams according to ICOLD definition.
- ✓ 9365 km dikes for flood protection
- ✓ 6600 km river bank engineering works
- ✓ 1100 km canals
- ✓ 59 pumps stations



I - Water management in Romania

Main objectives

- ▶ Permanent knowledge of water resources, conservation and protection of water resources;
- ▶ Assurance, allocation and optimal use of water resources;
- ▶ Protection and improvement of water quality;
- ▶ Water management infrastructure operation;
- ▶ Prevention and defense against destructive action of water and accidental pollution;
- ▶ Developing and updating River Basin Management Plans & River Basin Development Plans;
- ▶ Completing and adapting the institutional and legislative frame at European Union requirements;
- ▶ Strengthening collaboration with neighboring countries regarding the transboundary rivers and international cooperation;
- ▶ Public awareness and participation

I - Water management in Romania

Principles:

1. Water is a finite and vulnerable resource
2. Water is a resource of strategic interest
3. Water creates an economic value
4. Water is not a commercial product
5. Water management organized in each river basin
6. Sustainable development (quantity, quality, ecosystem)
7. Basin solidarity
8. Water resources free access
9. Beneficiary pays
10. Polluter pays

Policies:

- ADMINISTRATION: knowledge, sustainable development and use of water resources
- MANAGEMENT AND DEVELOPMENT of the national water management system infrastructure
- FINANCIAL: implementation of the economic mechanism for costs recovery
- INSTITUTIONAL: collaboration with all state institutions and water users
- INTEGRATION: implementation of European Union directives
- PARTICIPATION: River Basin Committees and public information
- HUMAN RESOURCES: assuring and training the staff
- DECENTRALIZATION: strengthening the authority at basin and local level

II - INTERNATIONAL COOPERATION

All the Romanian agreements and conventions concluded with the other countries take into consideration the provisions of the following international acts :

- ❑ Convention regarding the cooperation for the protection and sustainable using of the Danube River – ICPDR) signed in Sofia on 29 June 1994 - Law 14/1995 ;**
- ❑ Convention regarding the protection of Black Sea against pollution, signed in Bucharest on 21 April 1992 – Law 98/1992;**
- ❑ Convention regarding the protection and utilization of international transboundary rivers and lakes - Helsinki 1992- Law 30/1995;**

II - INTERNATIONAL COOPERATION

A. Bilateral agreements with the neighboring countries:

- ✓ Hungary, Serbia, Bulgaria, Ukraine, Republic of Moldova

B. Regional cooperation

- ✓ ICPDR (International Commission for the Protection of Danube River)
- ✓ CEENBO (Central and Eastern Europe Network of Basin Organization)

C. International cooperation -INBO

II - INTERNATIONAL COOPERATION

A. Bilateral Agreements



II- INTERNATIONAL COOPERATION

► Hungary

« Agreement between Romanian Government and the Government of the Republic of Hungary regarding the cooperation for the protection and the rational using of the rivers which cross the border » 15 September 2003 - HG no. 577 / 15.04.2004

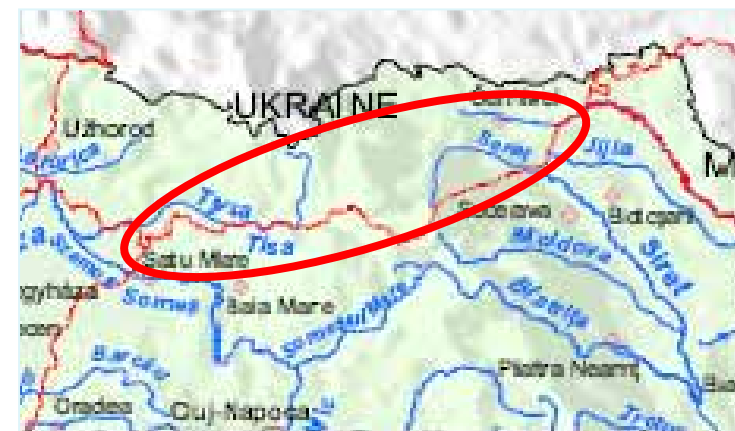


II- INTERNATIONAL COOPERATION

► Ukraine

“Agreement between the Romanian Government and the Government of Ukraine regarding the cooperation in the transboundary water management field” Galati, 30 septembrie

1997 - Law no. 16 / 11.01.1999



• Republic of Moldova

“ Memorandum of Understanding between The Ministry of Environment and Forests of Romania and the Ministry of Environment of Republic of Moldova” (HG 593/2010)

“ Agreement between the Romanian Government and the Government of the Republic of Moldova regarding the cooperation in the protection of the fish breeding resources and the regulation of the fishing in Prut river and Stanca – Costesti lake ”

II- INTERNATIONAL COOPERATION

Bulgaria

"Agreement between the Ministry of Environment and Water Management of Romania and the Ministry of environment and Waters from Republic of Bulgaria, regarding the cooperation in the water management field" (HG 2419/2004)



Serbia

"Agreement between R.P. România (Romania today) and R.P.F. Yugoslavia (today Serbia and Montenegro State Union) regarding hydrotechnical issues on the hydrotechnical systems and waters courses situated on the border or crossing the border "Bucharest – 7 April 1955 - Decree nr. 242 / 17.06.1955"

II- INTERNATIONAL COOPERATION

Domains of cooperation

- Hydrometeorological exchange data;
- Water quality monitoring;
- Proceedings in case of accidental pollutions;
- Common Hydrometrical observations and setting up the water resources of the rivers which formed the border ;
- Exchange data in case of droughts;
- Proceedings in case of floods;
- Experience exchange in the field of risk management associated to the hydrotechnical works (ex. Stanca –Costesti rezervoir on Prut River);
- Experience exchange in the field of groundwater exploitation;
- Cooperation regarding the improvement and developing of the groundwater monitoring systems for answering to the Water Framework Directive requests.

II- INTERNATIONAL COOPERATION

The **agreements of Romania with Hungary, Bulgaria and Republic of Moldova** are in line with the WFD requirements, being developed after its publication.

Besides the achieving of environmental objectives required by the WFD, the bilateral agreements contain important aspects related to: **information and data exchange for the integrated water resources management, water resources management during floods and droughts, development of bilateral projects which are equally implemented by the states, coordinated development and operation of water management infrastructure both for ensuring the necessary water resources and for the floods protection.**

For ensuring the cooperation according to the agreements, Joint (Bilateral) Commissions have been set up. The **bilateral activities** are done in the frame of **working groups, which are supported by the internal and external experts**. The working groups have the obligation to report to the Joint Commission.

II- INTERNATIONAL COOPERATION ICPDR

International Commission for the Protection of the Danube River

- created based on the *Danube River Protection Convention* (signed in 1994, to Sofia)
- 19 countries share the Danube River Basin
- Romania is located in the Danube River Basin being downstream country for the Danube River



II- INTERNATIONAL COOPERATION

ICPDR

The main objectives:

- ✓ Sustainable and equal management of the surface and groundwater resources from Danube River Basin;
- ✓ Improvement of the quality water of Danube River;
- ✓ Control and intervention in case of accidental pollution on Danube River .

ICPDR comprises **15 Contracting Parties** (14 EU, accession and non-EU countries and the European Union).

- since 2000, is the **coordinating body for implementing the EU WFD** (the Danube River Basin Management Plan was finalized in December 2009 and focuses on **basin-wide significant water management issues** which can directly or indirectly affect surface waters, as well as the transboundary groundwater bodies).

II- INTERNATIONAL COOPERATION

INBO

INTERNATIONAL NETWORK OF RIVER BASIN (INBO)

- established during the constitutive assembly in 1994 in Aix-les-Bains (France);
- Romania, through National Administration "Apele Romane" is founder member of INBO

Objective: to promote the integrated water resource management at the river basin level, aims at facilitating exchanges among basin organisations.

II- INTERNATIONAL COOPERATION

Central and Eastern European Network of Basin Organizations

Created in February 2002, Sinaia, Romania, as a regional network of INBO

Objective of CEE NBO

- ▶ to promote **integrated water resources management at the level of river basins**, as an essential tool for sustainable development:

Main activities focused on :

- ▶ organizing **joint activities of regional interest** - technical seminars on the *State and problems on the implementation of the EU Directives related to water-WFD and FD*



CEE NBO

Central and Eastern European Network of Basin Organization



[Home](#) [About us](#) [Network Organisation](#) [Events](#) [Contact](#)

New Events

Sofia, Bulgaria – 20-22 May 2012

Istanbul, Turkey – 10-12 October 2012

Events

Sinai/Romania, February 2002 – 1st General Assembly of CEE NBO / Creation of the Network

Calimanesti / Romania, November 2002 – CEE NBO Liaison Bureau & Workshop "Delineation of surface water bodies – Designation of heavily modified water bodies"

Tulcea / Romania, September 2003 – CEE NBO Liaison Bureau & Workshop "Characterisation of hydrographic districts: steps and procedures, case studies. Specific aspects of wetlands"

Valencia/ Spain, November 2003 – CEE NBO Liaison Bureau joint to the first EURO-INDO Conference

Voinea / Romania, May 2004 – 1st Liaison Bureau – Network of International Commissions and Transboundary Basin Organizations

Krakow / Poland- September 2004- Co-organise the General Assembly of CEE NBO and participation to EURO-INDO Conference

Namur / Belgium, September 2005 – Co-organisation of the Liaison Bureau of CEE NBO and participation to EURO-INDO Conference

Bucharest / Romania, June 2006 – CEE NBO workshop

Home

CEE NBO is a Regional Network within INBO (International Network of Basin Organisations), and promotes and integrated water resources management at the river basin level, as an essential tool for sustainable development. This organisation seeks to improve relationships among organisations in charge of water management in the Central and Eastern European region, focusing on implementation of Water Framework Directive in the region.

Tulcea / Romania, September 2003 – CEE NBO Liaison Bureau & Workshop "Characterisation of hydrographic districts: steps and procedures, case studies. Specific aspects of wetlands"

The CEE NBO workshop on Water Framework Directive Tulcea, Romania 11 – 12 SEPTEMBER 2003. During the first two days (11 – 12 September), there was a very interesting technical seminar on WFD. The workshop topics is "Characterisation of hydrographic districts : steps and procedures, case studies. Specific aspects of wetlands". The preparation of ...

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www.ceenbo.org

II- INTERNATIONAL COOPERATION

Presidency and Secretariat of CEE NBO

- ▶ **CEE NBO Presidency :**
 - 2002 - 2004 : **Romania** - Mr. Ovidiu GABOR
 - 2005 - 2006 : **Poland** - Mr. Mieczyslaw OSTOJSKI
 - 2007 - 2011 : **Czech Republic** - Mr. Petr KUBALA
 - From 2011 : **Bulgaria** - Mrs. Atanaska TUNTOVA
- ▶ **CEE NBO Secretariat :**
 - ensured by **Romania**, through the ***National Institute of Hydrology and Water Management (NIHWM)***, within *Apele Romane* National Administration
 - in connection of INBO Secretariat, ensured by IOW / France

II- INTERNATIONAL COOPERATION

CEE NBO future activities

- ▶ Keep the **exchanging of experiences & practices inside CEE NBO** (not only on WFD, but also on Flood Directive, Climate Change, River Restoration)
- ▶ **Transfer of knowledge** regarding the EU Water Directives implementation and IWRM approach to the **Balkan countries and Black Sea** countries (providing support in harmonisation of legislation, organisational aspects, etc)
- Take the necessary steps in order to become ICPDR Observer
- To strengthen the cooperation between CEE NBO and ECRR (European Center for River Restoration)
- ▶ To strengthen the cooperation between CEE NBO and PHI UNESCO - Danube Regional Cooperation
- ▶ To strengthen the cooperation between CEE NBO and EECCA network organization

❖ The next LB CEENBO meeting – Plovdiv, Bulgaria, 13 November 2013

Annual Conference of EECCA 8-9 November 2013, Moscow

**THANK YOU FOR YOUR
ATTENTION**

