

A Romanian, Hungarian and Ukrainean transboundary basin: Somes - Tisa

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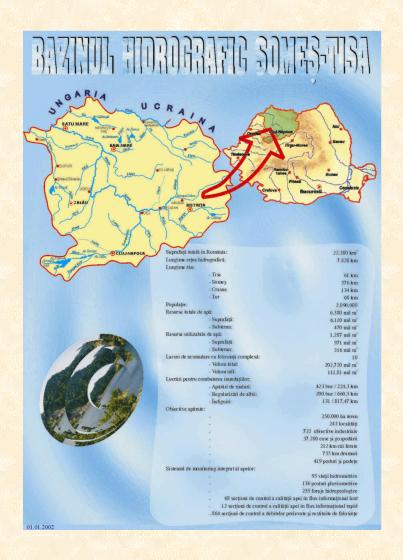
1.THE ROMANIAN TERRITORY





NATIONAL ADMINISTRATION "APELE ROMANE" SOMES-TISA WATER BRANCH







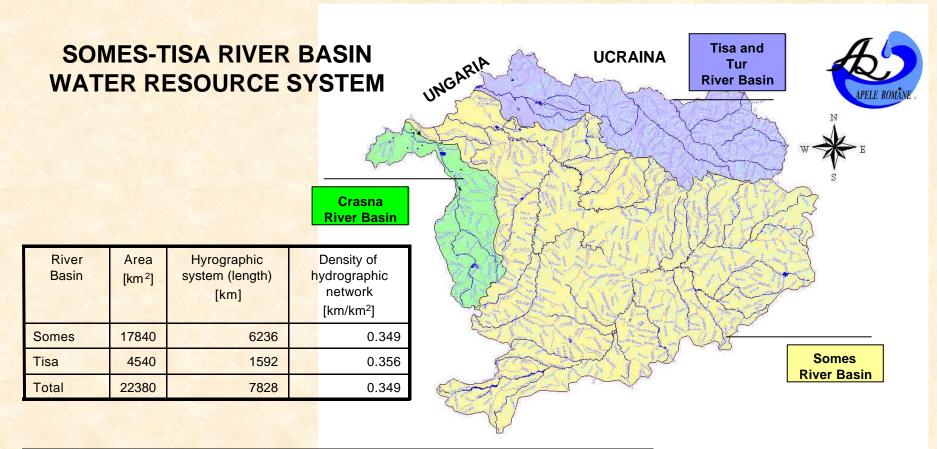


SOMES-TISA RIVER BASIN CHARACTERISTICS





Area [km ²	22380	
Hydrograp	7828	
Density of [km/km ²]	0.349	
Population	2.090.000	
Resources 2002 [hm³]		1.287
Demands	2002 [hm ³]	325



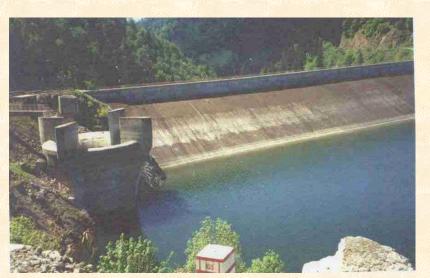
Transborder Rivers of the Somes-Tisa Basin	Length of the river [km]		Area of the Catchment Basin		Q _{med} at the	
	Total Lrnght	On the Romanian Territory	On the Neighbours Territory	On the Romanian Territory [km²]	On the Romanian Territory [%]	Border [m³/s]
Tisa	962	61	901	3.237	2,1	aprox. 80,00
Somes	427	376	51	15.740	99,0	125,00
Crasna	180	134	46	1.931	61,0	5,53
Tur	98	68	30	1.144	90,0	9,58



Stramtori Dam



Calinesti-Oas Reservoir



Colibita Dam



River Basin Problems

• Transboundary waters

necessity of <u>common programs /projects</u>

According to the international regulations, the waters leaving the national territory should not have a lesser quality than the waters entering the respective national territory. In order to solve the water pollution issues, the implementation of a **cooperation programme** is necessary. It will include:

- * join water pollution assesments;
- * development of information gathering and information processing systems, concerning the water disharges;
- * overall coordination of the policies and rules in different countries sharing the same hydrographic basin.

• The most important industry: mining

necessity of <u>plans/programs for Preventing and fighting of Accidental</u>
 <u>Pollution Events with transboundary effect</u>

International Regulations Romania - Hungary

- Romanian Hungarian Convention for the Regulation of the Hydrotechnical Issues concerning the Shared Border Waterbodies which leads to:
- Operational Rules for the Joint Romanian Hungarian Hydrotechnical Comission
- Rules concerning the Procedures in case of Unavoidable Dangerous Accidental Pollution Events on the Border Waterbodies
- Rules concerning the Flood Mitigation on the Border Waterbodies
- Rules concerning the Flood Mitigation on the Inner Waterbodies
- Rules concerning the Water Quality Monitoring on the Border Waterbodies or on the Shared Border Waterbodies
- Rules concerning the Meteorological and Hydrological Data Exchange between Romania and Hungary
- Rules concerning the Mutual Disbursments for Water Deliveries and Inner Water Pumping
- Rules concerning the Frontier Crossings and Contacts between the Romanian and Hungarian Hydrotechnical Authorities
- Rules concerning the Information Exchange and Reciproc Flights for Aerial Observations by Water Management Authorities of Romania and Hungary, in Case of Extreme Flood Imminence on Inner Waterbodies.

International Regulations Romania - Ukraine

- Romanian Ukrainian Covernamental Agreement for Cooperation on Border Waterbodies Management; Galati, 30.09.1997 / Odessa, 18-21.12.2000 Govenment Decision no. 357/11.05.2001 for the approval of the Second Session of the Representatives
- Rules for the Romanian Ukrainian Collaboration in case of Flood Events on the Watercourses and Interior Waters;
- Rules for the Meteorological and Hydrological Data exchange between Romania and Ukraine;
- Rules for the Border Waterbodies;
- Rules for the Procedures in case of Unavoidable Dangerous Accidental Pollution Events on the Border Waterbodies;

Existing Joint Projects. Perspectives

- Existing joint projects
- "Flood Prevention on Upper Tisa" (PHARE CBC)
- "Tur river Cleaning": (PHARE CBC, supply equipments)
- "National Informational-Decisional System for Waterbourne Dezasters Control and Prevention" (DesWate, supported by USAID)
- "Programme concerning the Accidental Pollution Events Prevention and Mitigation System in Somes Basin" (Norwegian financing).

Central and Eastern European Network of Basin Organizations (CEE NBO)

- First General Assembly of CEE NBO :
 - 1-2 February 2002 Sinaia, Romania
- CEE NBO Members :
 - BG, CZ, PL, RO, SB, SL
- Permanent Observers :
 - HU, SK



- The Presidency and the Secretariat of CEE NBO are ensured by National Administration *Apele Romane*:
 - President Mr. Costica Sofronie
 - Secretary Mrs. Daniela Radulescu

The role of CEE NBO in transboundary issues

• main CEE NBO objectives :

- to promote integrated water resources
 management at the level of river basins;
- to have common activities in the region.
- The CEE NBO activity program for 2003 favours the implementation of the WFD in the region.



- according to WFD, the river basin/district represents the main unit for water management.
- At last CEE NBO meeting (13 November 2002 **first Liaison Bureau of CEE NBO**, Calimanesti, Romania), we have proposed *the extent of CEE NBO*, *including Moldavia and Ukraine*.

Three countries, one river, one confluence No Frontier!



