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

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NATIONAL ADMINISTRATION “APELE ROMANE”

Transboundary Network of Basin Organizations
Thonon-les-Bains, 25-26 November 2002
Contents of presentation

1. The Romanian territory

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1. THE ROMANIAN TERRITORY

[Map showing the Romanian territory with labeled regions and cities, including the Somes-Tisa River Basin and the National Administration "APELE ROMANE".]
NATIONAL ADMINISTRATION “APELE ROMANE”
SOMES-TISA WATER BRANCH
### SOMES-TISA RIVER BASIN CHARACTERISTICS

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Area [km²]</td>
<td>22380</td>
</tr>
<tr>
<td>Hydrographic system (length) [km]</td>
<td>7828</td>
</tr>
<tr>
<td>Density of hydrographical network [km/km²]</td>
<td>0.349</td>
</tr>
<tr>
<td>Population (inhabitants)</td>
<td>2,090,000</td>
</tr>
<tr>
<td>Resources 2002 [hm³]</td>
<td>1,287</td>
</tr>
<tr>
<td>Demands 2002 [hm³]</td>
<td>325</td>
</tr>
</tbody>
</table>
### SOMES-TISA RIVER BASIN WATER RESOURCE SYSTEM

<table>
<thead>
<tr>
<th>River Basin</th>
<th>Area [km²]</th>
<th>Hyrographic system (length) [km]</th>
<th>Density of hydrographic network [km/km²]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Somes</td>
<td>17840</td>
<td>6236</td>
<td>0.349</td>
</tr>
<tr>
<td>Tisa</td>
<td>4540</td>
<td>1592</td>
<td>0.356</td>
</tr>
<tr>
<td>Total</td>
<td>22380</td>
<td>7828</td>
<td>0.349</td>
</tr>
</tbody>
</table>

#### Transborder Rivers of the Somes-Tisa Basin

<table>
<thead>
<tr>
<th>Transborder Rivers of the Somes-Tisa Basin</th>
<th>Length of the river [km]</th>
<th>Area of the Catchment Basin</th>
<th>Q_{med} at the Border [m³/s]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tisa</td>
<td>Total Length: 962</td>
<td>On the Romanian Territory: 61</td>
<td>On the Neighbours Territory: 901</td>
</tr>
<tr>
<td>Somes</td>
<td>Total Length: 427</td>
<td>On the Romanian Territory: 376</td>
<td>On the Neighbours Territory: 51</td>
</tr>
<tr>
<td>Crasna</td>
<td>Total Length: 180</td>
<td>On the Romanian Territory: 134</td>
<td>On the Neighbours Territory: 46</td>
</tr>
<tr>
<td>Tur</td>
<td>Total Length: 98</td>
<td>On the Romanian Territory: 68</td>
<td>On the Neighbours Territory: 30</td>
</tr>
</tbody>
</table>
Stramtori Dam

Calinesti-Oas Reservoir

Colibita Dam
River Basin Problems

• **Transboundary waters**
  – **necessity of common programs /projects**

  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 assessments;
  * development of information gathering and information processing systems, concerning the water discharges;
  * overall coordination of the policies and rules in different countries sharing the same hydrographic basin.

• **The most important industry: mining**
  – **necessity of plans/programs for Preventing and fighting of Accidental Pollution Events with transboundary effect**
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 Disbursements 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

  - **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!