Common Principles and Technical Requirements for Pan-European River Information Services (RIS)

Joint Presentation of the Republic of Croatia and the Republic of Serbia

Geneva, October 2008
Inland Waterways of the Region

<table>
<thead>
<tr>
<th></th>
<th>Croatia</th>
<th>Serbia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total length of the waterways (km)</td>
<td>804.5</td>
<td>979.0</td>
</tr>
<tr>
<td>Danube</td>
<td>137.5</td>
<td>588.0</td>
</tr>
<tr>
<td>Sava</td>
<td>448.2</td>
<td>207.0</td>
</tr>
<tr>
<td>Drava</td>
<td>198.0</td>
<td></td>
</tr>
<tr>
<td>Tisza</td>
<td></td>
<td>164.0</td>
</tr>
<tr>
<td>Drina</td>
<td></td>
<td>15.0</td>
</tr>
<tr>
<td>Kolubara</td>
<td></td>
<td>5.0</td>
</tr>
<tr>
<td>Kupa</td>
<td>5.9</td>
<td></td>
</tr>
<tr>
<td>Una</td>
<td>15.0</td>
<td></td>
</tr>
<tr>
<td>Density of the waterways</td>
<td>11km /1000km²</td>
<td>12km /1000km²</td>
</tr>
<tr>
<td>International ports</td>
<td>4</td>
<td>7</td>
</tr>
</tbody>
</table>
Inland Waterways of the Region

The Danube River
Length of the joint sector of the Danube River is 137.5 km
There is no bilateral agreement
Between Croatia and Serbia,
as a platform for technical actions

Border line between Croatia and Serbia
is not defined

Never the less, countries are trying to cooperate in various ways
Legal Background

- Croatia - candidate for EU membership
- Serbia - Stabilization and Association Agreement (SAA) signed in 2008, candidacy expected in 2009

EU legislation refer to RIS
- Regulations
  - EC 414/2007
  - EC 415/2007
  - EC 416/2007
- Directive 2005/44/EC
RIS on the Danube River in Croatia

Status quo

- 100% of Croatian part of Danube and commercial part of Drava covered with AIS signal
- RIS Centre Vukovar opened in January 2006
- ENC produced for the Danube, Drava & Sava Rivers
- Full coverage of voice VHF radio
- CB-RIS Crossborder implementation Joint project HU-CRO
- Organizational/Legal framework established
RIS on the Danube River in Croatia

Application & services

- TTI – CRORIS Player / CRORIS Viewer
- ENC – Electronic Navigational Charts
- NTS, waterlevel
- E-port (port management)
- ERI – beta phase of development
RIS on the Danube River in Croatia

CRORIS portal: www.crup.hr

- Publication of Notice to Skippers – NTS
- Download of Croatian Danube and Drava ENCs
- Water levels of Danube, Drava and Sava with hourly update
- Other information relevant for Inland Navigation
ENCs for the Danube and Tisza Rivers are developed, and for the Sava River are under preparation.

ENCs can be downloaded for free at [www.plovput.rs](http://www.plovput.rs).

Notices to Skippers available in Serbia since 2007.
RIS on the Danube River in Serbia

With 4 installed basestations, 200 km of the Danube River in Serbia (out of 588 km) is covered with AIS signal.

Full rollout of the RIS on the Danube River in Serbia in the next three years is envisioned.

2008

2011
RIS on the Danube River in Serbia

RIS Center in Serbia opened in January 2008

Navigation tracking and tracing in real time is being performed
EU has recognized results of Serbia and supported them.

Financial agreement between EU and Serbia signed in April 2008.

Full Scale Implementation of RIS in Serbia, worth 11 Million Euro, among prioritized projects.
RIS on the Sava River
The Sava River has a status of international waterway since 2002.

ToR for RIS Development on the Sava River is prepared, start of project implementation expected in 2009.
APATIN Section
On the Croatian side of this part of the Danube River, there is a nature park Kopacki Rit, a unique reserve of plants and birds.
On the Serbian side of this part of the Danube River, there is a town of Apatin, with it’s shipyard, port and marine
Apatin section is one of the most critical sections for navigation. It creates problems for both sides, Croatian and Serbian.

- Left river bank and river channel closure are heavily endangered.
- River bottom deepened and water depths reach up to 13m.
- Right river bank endangered.
- Main streams splits into two branches.
Solution:
Large scale river training works with joined forces from both countries

Croatia and Serbia are prepared to organize a workshop and a visit of foreign guests to this location.
Challenges for the Future

- Overcoming the obstacles in bilateral relationships
- Improving cross-border cooperation in the region
- Applying European standards in IWT
- Promoting inland waterway transportation
Thank You for Your Attention

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