River information services in Croatia

Zrinko Zvocak
DISC ´15
River information services - content

- Legal Background
- Established components
- RIS on the Danube & Drava River in Croatia
- RIS on the Sava River
- NCC - National RIS Center
- Challenges for the Future
Legal background

Organizational/Legal framework for RIS established

- Act on Inland Navigation and Inland Ports (NN 109/07, 132/07, 51A/13, 152/14) – main change in Act considering to RIS is that completely managing and infrastructure rights are now under the Agency for Inland Waterways jurisdiction

- Regulation on River information services (NN 99/08, 8/11, 39/12)

- Regulation for allocation of name, mark and ENI of inland navigation vessels (NN 56/12)

- Service Agreement on European Hull Data Exchange signed by Croatia
Established components of RIS

CRORIS portal

- Gateway portal (Data Gateway) - needs to be updated to latest standard, planned for implementation
- ERI (Electronic Reporting International) - needs to be updated, planned for implementation
- NtS (Notices to Skippers), hydrological and meteorological data – renewal in progress (standard 3.0 in 2015, and in 2016 standard 4.0)
- Graphical gateway for commercial users for on-line VTT on a Google Earth platform - new design in project RIS on Sava river
- ENCs for the Danube, Drava & Sava Rivers with GIS objects information – new standard in 2016
- Other information relevant for navigation
- General information of RIS
- Messaging, Alarms, Warnings, Emergencies...
Gateway portal (ERI)
NtS (Notices to Skippers)

- NtS – Notices to Skippers published by Harbour Master’s Offices Sisak, Slavonski Brod, Vukovar and Osijek

**Notices to Skippers (NTS)**

RIS messages system is currently in test phase. All suggestions and complaints can be sent to e-mail: nts@

**SEARCH RESULT**

[Back to search]

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1424.850)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 04.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1333.45 - 1333.45)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 04.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1298.8 - 1298.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 04.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1424.850)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 03.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1333.45 - 1333.45)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 03.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1298.8 - 1298.8)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 03.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water related message:</th>
<th>DUNAV (RKM: 1424.850)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Published 02.12.2012 06:15</td>
<td></td>
</tr>
</tbody>
</table>
CroRIS
Graphical gateway for commercial users for on-line tracking of vessels
ENC

- ENC (standard 2.1) for download - free of charge:
  - Danube (rkm 1.294 – rkm 1.433)
  - Drava (rkm 0 - rkm 23)
  - Sava (rkm 207 – rkm 594)
## ePort Transports

### Cargo Transports

#### Search

<table>
<thead>
<tr>
<th>Trans no</th>
<th>Vessel</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Table

<table>
<thead>
<tr>
<th>Vessel</th>
<th>Status</th>
<th>Vessel type</th>
<th>Company</th>
<th>Time of arrival</th>
<th>Time of departure</th>
<th>Invoice</th>
<th>Concessionaire</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORONA 1</td>
<td>Executed</td>
<td>SAMOHOTKA</td>
<td>CORONA SHIPPING &amp; LOGISTIC SERVICE</td>
<td>06.09.2013, 15:00</td>
<td>09.09.2013, 08:00</td>
<td>Invoice</td>
<td>Luka Vukovar d.o.o.</td>
</tr>
<tr>
<td>KC-3</td>
<td>Executed</td>
<td>BARŽA</td>
<td>CORONA SHIPPING &amp; LOGISTIC SERVICE</td>
<td>03.09.2013, 24:00</td>
<td>03.09.2013, 24:00</td>
<td>Billed</td>
<td>Luka Vukovar d.o.o.</td>
</tr>
<tr>
<td>CORONA 1</td>
<td>Executed</td>
<td>SAMOHOTKA</td>
<td>CORONA SHIPPING &amp; LOGISTIC SERVICE</td>
<td>03.09.2013, 24:00</td>
<td>03.09.2013, 24:00</td>
<td>Billed</td>
<td>Luka Vukovar d.o.o.</td>
</tr>
<tr>
<td>DANUBE</td>
<td>Executed</td>
<td>SAMOHOTKA</td>
<td>EUROBEVRACHTING AG</td>
<td>01.09.2013, 24:00</td>
<td>02.09.2013, 24:00</td>
<td>Billed</td>
<td>VUPIK d.d.</td>
</tr>
<tr>
<td>MARTIN</td>
<td>Executed</td>
<td>SAMOHOTKA</td>
<td>WESTWORLD SYSTEMS L.P.</td>
<td>28.08.2013, 24:00</td>
<td>29.09.2013, 24:00</td>
<td>Invoice</td>
<td>Luka Vukovar d.o.o.</td>
</tr>
<tr>
<td>ILONA</td>
<td>Executed</td>
<td>SAMOHOTKA</td>
<td>IZB CARGO &amp; CO GMBH</td>
<td>24.08.2013, 12:30</td>
<td>N/A</td>
<td>Invoice</td>
<td>Luka Vukovar d.o.o.</td>
</tr>
<tr>
<td>DANU 1</td>
<td>Executed</td>
<td>BARŽA</td>
<td>DANU TRANSPORT GMBH</td>
<td>23.08.2013, 12:00</td>
<td>N/A</td>
<td>Invoice</td>
<td>Luka Vukovar d.o.o.</td>
</tr>
</tbody>
</table>
100% of Croatian part of Danube and commercial part of Drava river covered with AIS signal

Full coverage of voice VHF radio Cross-border implementation of joint projects Hungary-Croatian (CB-RIS, CB-RIS II, CoPO…)
RIS on Sava river

RIS on the Sava River – Cooperation Model

- Implementation of the RIS and voice VHF systems - in progress
- Supply of equipment for the RIS and voice VHF systems - delivered
- Total amount 0.75 million €
- Full implementation of project is expected in the 2016.

- AIS network, 7 locations
- Integration into existing CroRIS system
- Hull Database
RIS Organizational Structure

COMPETENT AUTHORITIES

MINISTRY OF TRANSPORT

INLAND WATERWAY AGENCY

RIS PROVIDER

NATIONAL RIS CONTROL CENTRE (NRCC)

RCC 1
(Harbor Master Offices)

RCC 2
(Harbor Master Offices)

etc...
NCC - National RIS Center

Status quo

- Building, interior and equipping with furniture finished
- Equipping with IT equipment - expected in 2016.
- Full establishing - expected in 2016.

RCC

- Regional control centers (Provided within Harbors Master’s Offices Sisak, Slavonski Brod, Osijek and Vukovar
- Regional RIS Centre Vukovar opened in January 2006. and fully operable
NCC Sisak
NCC

- The RIS Training Centre
Challenges for the Future

- Intensive work on the international RIS data exchange on EU level
- International Data Exchange - adopting new standards in operation of DataGateway (upgrade is planned in 2016 – link with EU)
- Design and development of National HULL database (planned in first half of 2016 within project RIS on the Sava river)
- EU HULL DATABASE - data entry in progress by certification body (CRS)
- NCC full operationalization
- Full RIS & Voice VHF coverage (implementation & supply) on the Sava river waterway in the 2016
- NtS renewal & upgrade to the latest standard - end of 2015
- RIS index development (Danube & Drava – end of 2015, Sava -2016)
- Improve of quality of ENCs & upgrade to standard 2.3
- Improving cross-border & region bilateral and multilateral relationships
- Participation in project RIS COMEX
- Promoting inland waterway transportation
Thank you for your attention!

zrinko.zvocak@vodniputovi.hr

Agency for Inland Waterways

www.vodniputovi.hr