

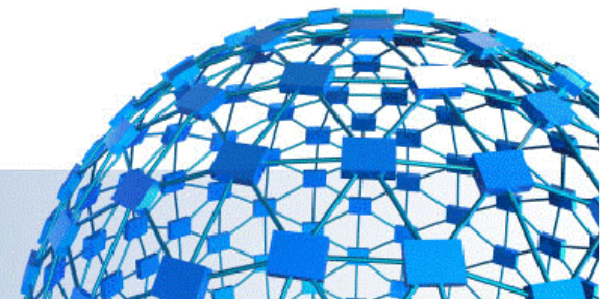


Benefits of improved waterway maintenance for Agency for Inland Waterways

**Tomislav Štrus, AVP
Budapest, February 22, 2012**

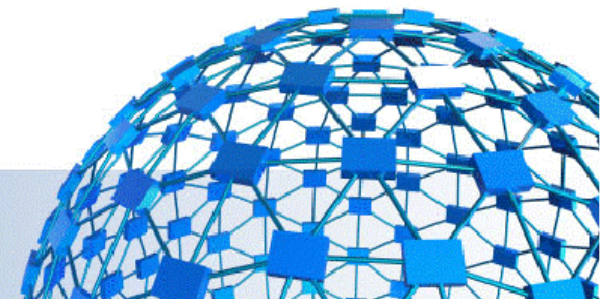
Agenda

- introduction of AVP
- main tasks
- responsibilities
- benefits of improvement of waterway maintenance for AVP
- follow up activities



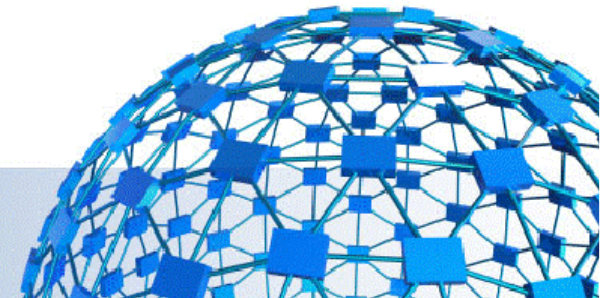
Agency for Inland Waterways

- Agency for Inland Waterways is a public institution under the administrative supervision of the Ministry of Maritime Affairs, Transport and Infrastructure.
- Agency was founded in 2003 – headquarters in Zagreb
- Operational since 2006 – headquarters moved to Vukovar
- 27 employees (45)



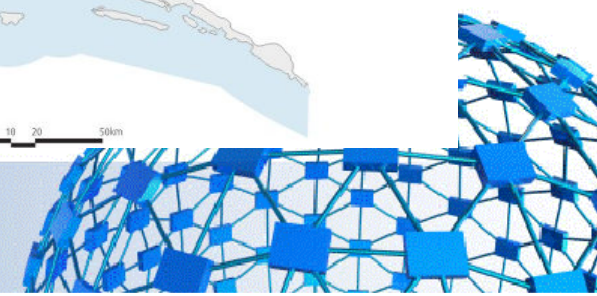
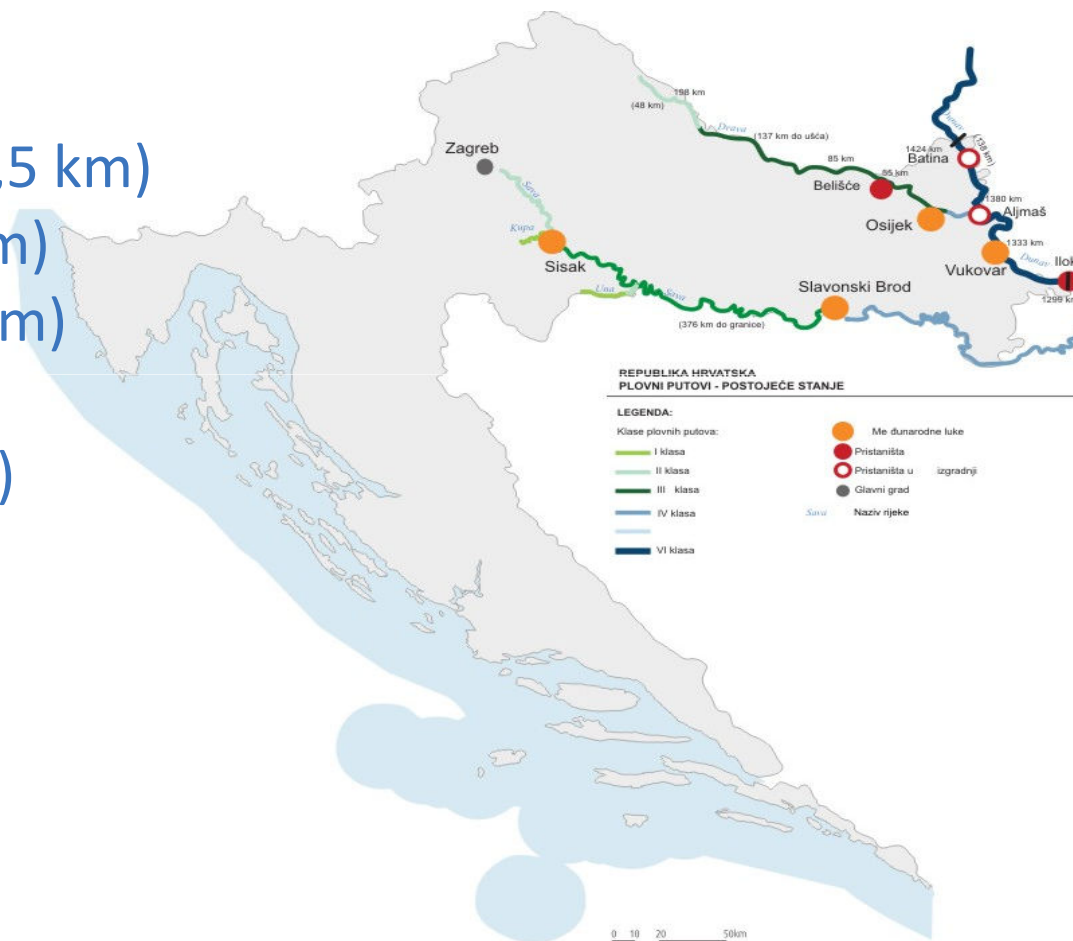
Main tasks of the Agency

- preparation of the med-term development plans,
- construction, technical development and modernization of the inland waterways,
- preparation and implementation of technical maintenance plans,
- repairing river training structures damaged by natural disaster or any other exceptional event,
- Inland waterways marking,
- development and improvement of the RIS
- monitoring and controlling the condition of the inland waterways



Croatian Inland Waterways

- River Danube (137,5 km)
- River Drava (198 km)
- River Sava (447,7 km)
- River Una (15 km)
- River Kupa (5,9 km)



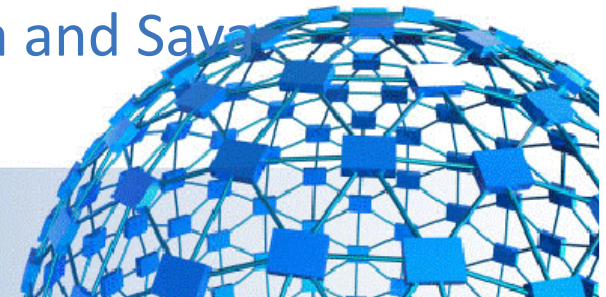
Benefits for AVP

- Exchange of know-how and the best practices defined in project outputs had a direct impact on improvement of everyday work.
- NEWADA project Expert Exchange Programme
- Seminar organized in Vukovar in the field of waterway maintenance (HU-HR).



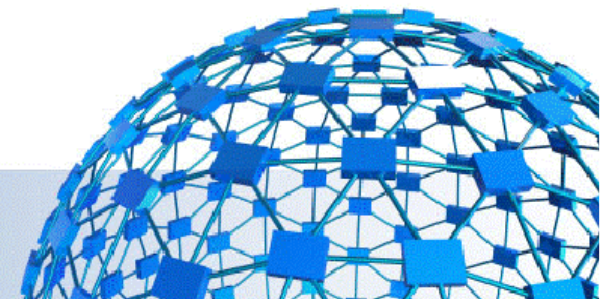
Benefits for AVP

- possibility to get to know responsible persons from neighboring countries - improved communication
- opportunity for exchange of know how and experiences (best practices)
- example of best practises in common sector – longitudinal (before) vs. cross section (after) division of waterway marking responsibilities (reduced response time of the marking crew, reduced costs for operating the marking vessel)
- increased number of joint visits to critical waterway sections (cooperation in development of future infrastructural projects)
- benefit of using the project results on Drava and Sava waterways as well



Benefits for AVP

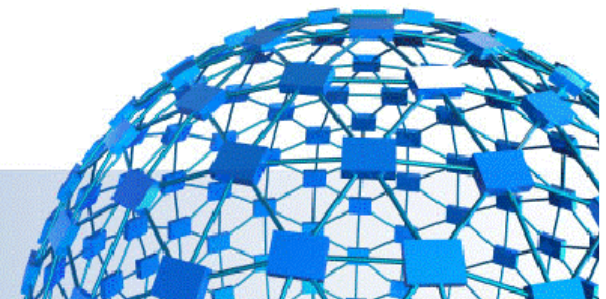
- Enhanced cooperation in cross border section
- During the run of the NEWADA project Agreement on Navigation on IWWs and Their Technical Maintenance (RS-HR) was signed.
- Working groups within Interstate Commission for the implementation of the Bilateral Agreement use the results of NEWADA project in their work.

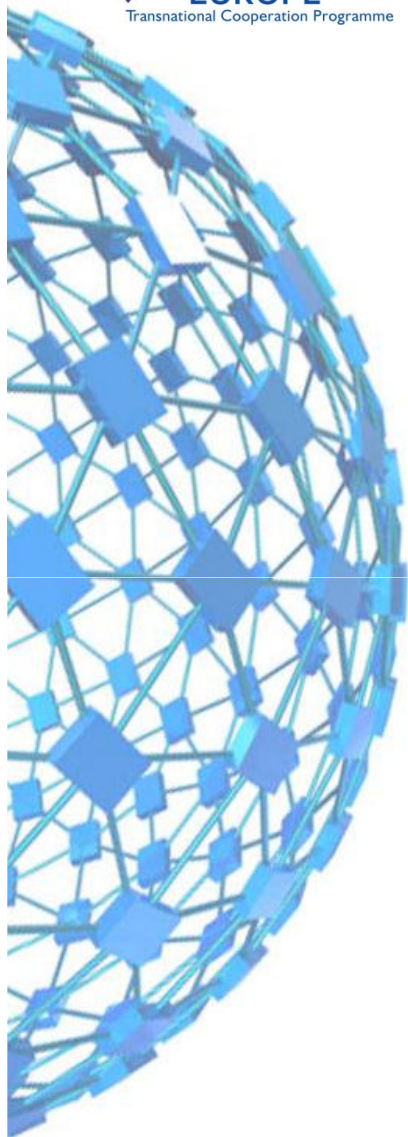


Follow up activities

Defined follow-up activities/pilots related to maintenance work, that could be implemented within the NEWADA follow-up project such as:

- Virtual AtoNs pilot - This service shall enable broadcasting information through existing AIS network about Virtual AtoNs. Virtual AtoNs make skippers aware of an incident or hazard by marks presented on an electronic display, providing a timely warning of an incident before physical aids are deployed.
- Remote AtoNs pilot- By means of the AIS communication technology it is possible to integrate reliable remote monitoring and control on Aids to Navigation such as buoys, which are located on the Danube waterway. Real-time information about the state of operation of Aids to Navigation increases safety and enables a more efficient planning of maintenance resources.





Thank you for your attention!

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