Barthold Van Acker
Chair of UNECE Working Party on Inland Water Transport (SC.3)

Promoting RIS at a Pan-European Level

Activities and Lessons Learned

Fifth CCNR RIS Workshop
17 November 2017, Strasbourg
UN Regional Commissions

UNECE
ECLAC
ECA
ESCWA
ESCAP
UNECE: Scope of Activities

- Environment
- Transport
- Trade
- Innovation and Competitiveness
- Sustainable Energy
- Housing and Land Management
- Forests
- Population
- Statistics
UNECE and the ...
UNECE & IWT & Promoting RIS

3 prime areas of interest for IWT

• Introduction of New Technologies
• Sustainable & Efficient Transport
• Technical Standards: Harmonization & Unification
IWT & New Technologies

Intelligent Transport Systems on Inland Water Transport

A road map for 2012-2020 to promote ITS global actions

Action 14: Integrating with IWT

Contribution to SDGs

8. Decent Work and Economic Growth
9. Industry, Innovation and Infrastructure
11. Sustainable Cities and Communities
Sustainable & Efficient IWT
Priority Areas

• **Policy Recommendation No 3**
  Promote the use of River Information Services (RIS) and other information communication technologies (ICT)

• **Strategy 2021 & Vision 2030**
  (endorsed by ITC in February 2017)
  Integrated pan-European infrastructure and services for Inland Waterway Transport

• **Overarching goals and objectives 2016-2021**
  Fostering RIS and other ICT in all UNECE Member States
Technical Standards
Harmonization & Unification Process

• Started in 2001 with Resolution No. 48
• Pan-European standards based on those developed by International RIS Expert Groups
• In consultation with River Commissions

Standards of International RIS Expert Groups

Consideration by SC.3/WP.3

Adoption by SC.3

Resolution of SC.3
Relevant UNECE Resolutions

Resolution No. 48, Revision 3 - 2015
Recommendation on electronic chart display and information system for inland navigation (Inland ECDIS)

Resolution No. 57, Revision 1 – 2011
Guidelines and Recommendations for River Information Services

Resolution No. 58 - 2004
Guidelines and Criteria for Vessel Traffic Services on Inland Waterways

Resolution No. 63, Revision 1 - 2014
International Standard for Tracking and Tracing on Inland Waterways (VTT)

Resolution No. 79 - 2014
International Standards For Electronic Ship Reporting In Inland Navigation (ERI)

Resolution No. 80 - 2014
International Standards For Notices To Skippers (NtS)
Resolution No. 35
Standardized vocabulary for radio-connections in inland navigation
UNECE: Recent Activities

- Resolution No 80 (NtS): draft revision preliminary approved
- Resolutions Nos 48 (Inland ECDIS), 57 (RIS Guidelines), 58 (VTS), 63 (VTT), 79 (ERI): pending
  : waiting for the European Commission and the RIS Expert Groups

- **RIS**: permanent agenda item of SC.3 and SC.3/WP.3
- **Workshop** “RIS and other ICT in the pan-European format” (23 June 2016)
- **High-Level Conference on IWT** (22 February 2017)
UNECE: Recent Activities (cont.)

• Updating **SIGNI** and **CEVNI**
  Signs and Signals on Inland Waterways
  Chapter 12, DRAFT on monitoring of signs and marking by AIS Aids to Navigation (AtoN)

• Implementation of **UNECE Resolutions**
  (out of 27 member States)

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<th>Resolution No.</th>
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<th>Partly applied/under consideration</th>
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Challenges, Opportunities & Lessons Learned

- Introducing **RIS provisions in UNECE documents**
- **Harmonization of standards** and coordination with International Expert Groups, EU and River Commissions
- **RIS at international events: promotion and best practices**
  e.g. International Conference on IWT (18-19 April 2018, Wroclaw, Poland)
- Coordination of **activities of UNECE member States** and providing tools for **RIS implementation** at the national level
- Providing **feedback to International Expert Groups**
- Supporting **innovations and digitalization**
- Addressing **RIS at a broader scope** with Inland ENCs and Navigation Rules
High-Level Conference on IWT

(Geneva, 22 February 2017)

- RIS in terms of the efficiency, safety and security of navigation
- Need for innovations, modern technologies, data exchange and digitalization
- IALA: milestones will include:
  - RIS: further development
  - e-Navigation
  - Vessel Traffic Services (VTS) and traffic management in IWT
  - other opportunities by new technologies
Thank you all for your attention!