The RISING Project

2nd Advisory Committee Meeting, Brussels

Arne Gehlhaar, ISL
• Background
• The RISING Project
• RISING at Work
• Summary & Outlook
• Background
  – River Information Services in Europe
  – Future Development
  – RIS Services
  – RIS Road Map
• The RISING Project
• RISING at Work
• Summary & Outlook
• Introduced by the EU (RIS Directive 2005/44/EC)
• Today focuses on traffic & safety
• Typical users
  – Authorities
  – Calamity centres
  – Skippers
• Use of ICT to
  – Improve reliability & efficiency
  – Increase safety
  – Optimise economic capabilities
• **Traffic-related services:**
  – Fairway Information Services
  – Traffic information
  – Traffic management
  – Calamity abatement

• **Transport-related services:**
  – Voyage planning
  – Fleet Management
  – Event Management
  – Ports and Terminal Management
Future Development

• Increase exploitation of RIS services for logistics purposes
• Extend types of users
  – Fleet Managers
  – Ports & Terminals
  – Logistic Service Providers
• Enhance existing services
• Develop new services
<table>
<thead>
<tr>
<th>Systems, Applications, Services and Functions</th>
<th>Relevant RIS standards (Project standards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vessel Tracking &amp; Tracing</td>
<td>(Inland) AIS Standard</td>
</tr>
<tr>
<td>Electronic Navigation Charts</td>
<td>(Inland) ECDIS Standard</td>
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<tr>
<td>Electronic Reporting</td>
<td>ERI Standard</td>
</tr>
<tr>
<td>Notices to Skippers</td>
<td>NtS Standard</td>
</tr>
<tr>
<td>Fairway Information (FIS)</td>
<td>(ECDIS, NtS)</td>
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<tr>
<td>International data exchange</td>
<td>Int. RIS data exchange</td>
</tr>
<tr>
<td>Traffic management, i.e. lock management</td>
<td>(AIS, RAINWAT, ERI)</td>
</tr>
<tr>
<td>Transport management, i.e. calculation of ETA</td>
<td>(AIS, ERI, NtS)</td>
</tr>
</tbody>
</table>
Published 2005 - 2007

- EU RIS Directive (2005/44/EC)
  - Applicability
  - Responsibilities of Member States
  - Minimum requirements for RIS
  - Services to be provided
  - Technical specifications to be applied

- Commission Regulation 414/2007
  - Concerning the technical guidelines for the planning, implementation and operational use of RIS (RIS Guidelines)

- Commission Regulation 415/2007
  - Concerning the technical specifications for vessel tracking & tracing system (Inland AIS)

- Commission Regulation 416/2007
  - Concerning the technical specifications for Notices to Skippers (NtS)

- Draft Commission Regulation defining the technical specifications for electronic ship reporting (ERI)

- Draft Commission Regulation defining the technical specifications for Inland ECDIS

“what”

“how”

“who”
• Background

• The RISING Project
  – Key Facts
  – Project Mission
  – Project Scope
  – Project Partners

• RISING at Work

• Summary & Outlook
• **Project acronym:** RISING

• **Name:** RIS Services for Improving the Integration of Inland Waterway Transport into Intermodal Chains

• **EU-Programme:** FP7-2007

• **Project budget:** approx. 7.5 MEUR

• **EC grants:** approx. 5.3 MEUR

• **Project duration:** 36 months

• **Project start:** 1 February 2009

• **Project end:** 31 January 2012
The use of traffic information for transport-related services is of utmost importance and has the potential to streamline IWT processes and multimodal transport chains.
The **RISING** partners are:

- Transport operators
- Logistics service providers
- Port and terminal operators
- Port information service providers
- RIS providers
- Research institutions
- Software developers
- Promotion agencies
Agenda

• Background
• The RISING Project
• RISING at Work
  – Work Packages
  – Demonstration Cases
  – Status
• Summary & Outlook
Work Packages

**WP0**: Management

- **WP1**: Requirement Analysis
- **WP2**: Devel. Event Management
- **WP3**: Devel. Voyage Plan
- **WP4**: Devel. RIS-TLS

**WP5**: Demonstration

**WP6**: Evaluation & Validation

**WP7**: Dissemination

**WP8**: Exploitation

**WP** | **Lead**
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WP0 | ISL (DE)
WP1 | ISL (DE)
WP2 | ISL (DE)
WP3 | CETLE (NL)
WP4 | VIA DONAU (AT)
WP5 | MARLO (NOR)
WP6 | MOBYCON (NL)
WP7 | PBV (BE)
WP8 | MARLO (NOR)
Three types of services will be developed within RISING:

- RIS Event Service
- Voyage Plan Service
- RIS TLS

These services are connected to the Transport Manager/Operator and the Event management component.
Geographical areas

- Elbe / Weser
- Danube
- Rhine / Scheldt
<table>
<thead>
<tr>
<th>Area</th>
<th>Operator</th>
<th>Commodity</th>
<th>Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elbe / Weser</td>
<td>DBR &amp; SBO</td>
<td>High &amp; Heavy</td>
<td>Pre planning of project cargo transports</td>
</tr>
<tr>
<td></td>
<td>NWL</td>
<td>Container</td>
<td>Improved planning and monitoring processes</td>
</tr>
<tr>
<td>Danube</td>
<td>ILL</td>
<td>Steel coils &amp; plates</td>
<td>Improvement of the process performance</td>
</tr>
<tr>
<td></td>
<td>Hellogistics &amp; others</td>
<td>Ore</td>
<td>Better transport chain transparency</td>
</tr>
<tr>
<td>Rhine / Scheldt</td>
<td>Portbase</td>
<td>Container</td>
<td>Improved port management</td>
</tr>
<tr>
<td></td>
<td>&lt;tbd&gt;</td>
<td></td>
<td>Voyage planning &amp; fleet management</td>
</tr>
<tr>
<td></td>
<td>CTS</td>
<td>Container</td>
<td>Improved terminal planning</td>
</tr>
</tbody>
</table>
• User Requirements have been collected
• Specification of Services and Messages nearly completed
• Implementation Phase has started
• Evaluation Phase in parallel
• Start of Demonstration Phase in April 2011
Agenda

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• **Summary & Outlook**
Summary & Outlook

- Spread the benefits of RIS into the transport & logistics world
- Increase reliability and accountability of IWT
- Close existing information gaps
- Remove barriers hindering the integration of IWT in intermodal transport chains
Project website:

www.rising.eu

Project coordinator:

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Thank you for your attention

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