The RISING Project

1st Advisory Committee Meeting, Brussels
Arne Gehlhaar, ISL
Agenda

• 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
• 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>
</tr>
<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>
EU RIS Directive (2005/44/EC)

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

Published 2005 - 2007

“what”
- Applicability
- Responsibilities of Member States
- Minimum requirements for RIS
- Services to be provided
- Technical specifications to be applied

“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.
Project Partners
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
    • Event Management
    • Voyage Planning
    • RIS-Transport-Logistics Services
  – Demonstration Cases
  – Users & Stakeholders
• 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

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

Transport Manager/Operator

Transport Management System

Event management component

RIS Event Service

Voyage Plan Service

RIS TLS

River Information Services (RAW Data)
## Demonstration cases

<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</td>
<td>High &amp; Heavy</td>
<td>Improved transport quality through better monitoring</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 products</td>
<td>Improvement of the process performance</td>
</tr>
<tr>
<td></td>
<td>Helogistics</td>
<td>[several]</td>
<td>Better transport chain transparency</td>
</tr>
<tr>
<td>Rhine / Scheldt</td>
<td>Portbase</td>
<td>Container</td>
<td>Improved terminal planning</td>
</tr>
<tr>
<td></td>
<td>Sabic</td>
<td>Petrochemical</td>
<td>Voyage planning &amp; fleet management</td>
</tr>
<tr>
<td></td>
<td>CTS</td>
<td>Container</td>
<td>Improved berth planning</td>
</tr>
</tbody>
</table>
Users and Stakeholders

Diagram showing the interaction between Administration and authorities, Commercial users, AIS base stations, National Control Centre, and AIS devices.
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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
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www.rising.eu

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Thank you for your attention

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