

# The RISING Project

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**RISing**  
River Information Services for Transport & Logistics



RISING is co-financed by the European Commission (DG-TREN) within the 7th Framework Programme for Research and Technological Development.



TRAFFIC  
MANAGEMENT



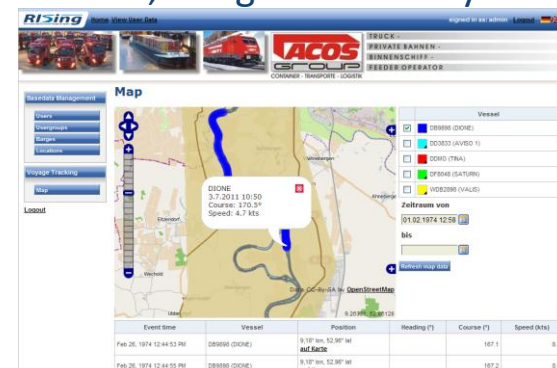
TRAFFIC  
INFORMATION



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.





- RISING = RIS Services for Improving the Integration of Inland Waterway Transport into Intermodal Chains
- Feb 2009 – July 2012
- Using RIS for logistics (port and fleet operators, LSPs)
- Harmonised services independent from underlying systems
  - Berth & Terminal planning
  - Transport planning
  - Transport monitoring/SCEM
- Demonstrations on Rhine/Scheldt, Danube, German waterways in 2011/2012
- Commodities: containers, steel, iron ore

- Specifications and implementation of harmonised RIS services (selected web services)
  - Berth & Terminal Planning
    - ETA Announcement (Berth Notification BERMAN)
    - RTA Reply (Berth Confirmation)
  - Transport planning
    - Pre-planning/feasibility (possible routes and suitable vessels for given cargo)
    - Voyage planning generating ERIVORY messages
    - Onboard support for skippers
  - Transport Monitoring
    - Tailor-made services, event messages, subscription mechanism, integration ERP systems)
    - Transport Operation Status (TOS) service + ETA
    - Position Service
    - Water Level Service, Vertical Clearance Service
    - Lock Management Service
- Demonstrations proving the applicability





- Specifications based on Freightwise/e-freight Framework
- Framework enhanced by inland waterway transport issues
- Challenge: Matching the Common Framework with standardisation work done by the RIS Expert Groups (e.g. R2D2 RIS Data Exchange Reference Documentation)
- Solution: defining mappings & adopt complementary messages to build new RIS solutions

Systems, Applications, Services and Functions		Relevant RIS standards (Project standards)
Vessel Tracking & Tracing		(Inland) AIS Standard
Electronic Navigation Charts		(Inland) ECDIS Standard
Electronic Reporting		ERI Standard
Notices to Skippers		NtS Standard
Fairway Information (FIS)		(ECDIS, NtS)
International data exchange		Int. RIS data exchange
Traffic management, i.e. lock management		(AIS, RAINWAT, ERI)
Transport management, i.e. calculation of ETA		(AIS, ERI, NtS)

Thank you for your attention

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- Should the CF become mandatory for developing new logistics applications (who could decide that) or to be seen as an offer for software developers?
- Should there be one institution maintaining the further development of the CF? If yes, who could take this role?
- How to sell the idea of the CF? How the benefits of the CF can be made more obvious to potential "clients"?