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NELI – Act. 3.2

RIS part1 – Overview

Vera Hofbauer, via donau

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Why River Information Services?

- Efficient mode of transport
- Capacities not always used to fullest extend
- Transport of dangerous goods
- Low service quality



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The idea

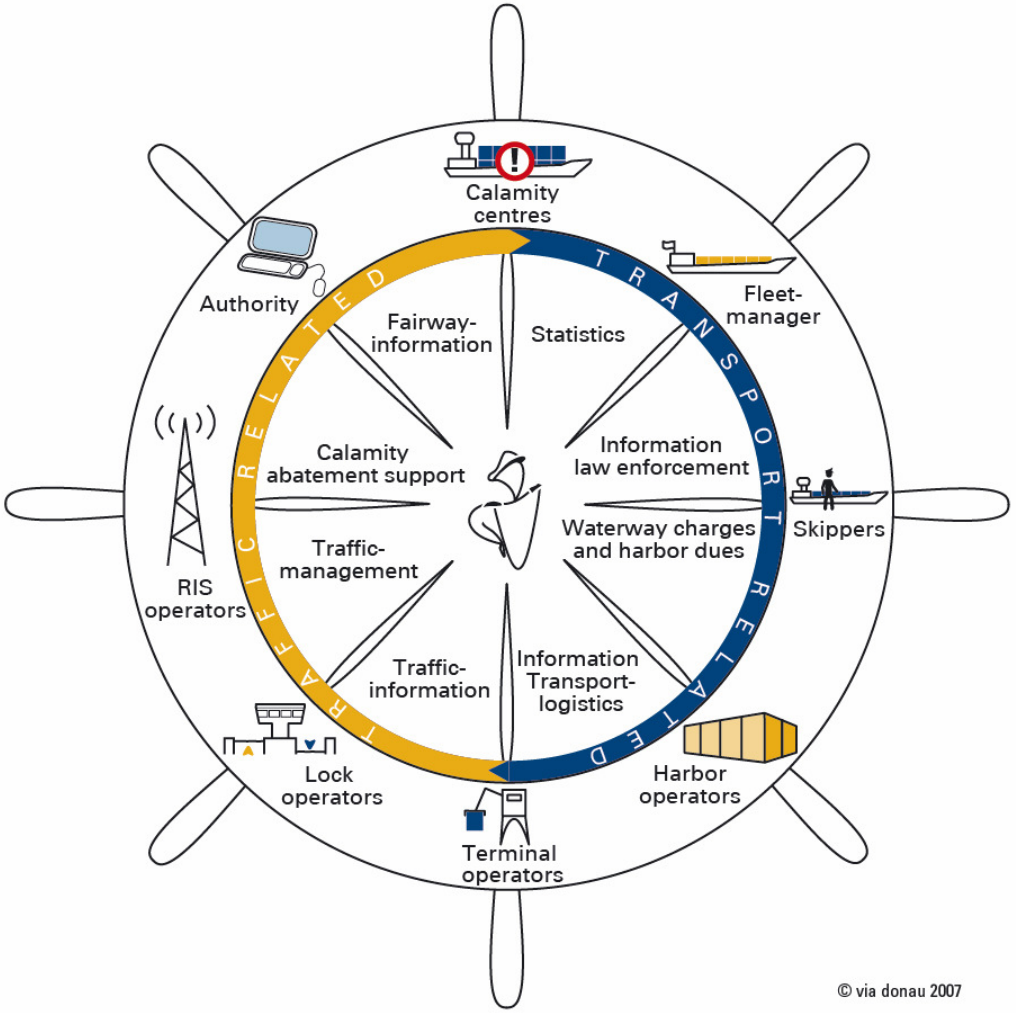
- Modernization of inland navigation
- Tailor-made services for inland navigation
- Address all users of inland waterway transport
- Driven by authorities
- Support instead of supervision
- Increase acceptance
- Provide benefits for commercial users
- Increase of safety
- Increase of efficiency

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Users and Functions of RIS



Match users and services

INSTRUCTION:

Along the RIS Basics in INeS danube (www.ines-danube.info) trainees will get a first impression of:

- the **bundle of services** (fairway information, traffic information, Notices to skippers, Electronic Navigational Charts)
- and **the advantages of RIS for different users**

Time: 15 minutes

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Services for skippers

- Electronic navigational charts (ENC)
- Information about actual waterway conditions (fairway, obstruction, weather, water level)
- Information on traffic situation (traffic image)
- Emergency Messaging with Authority
- Electronic cargo reports
- Electronic announcement at locks and terminals

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Services for logistics users

- Access to ship positions
- Calculation of estimated arrival times
- Notification of arrivals/depatures (billing)
- Electronic customs procedures
- Data for voyage planning
  - Waterway data
  - Waterlevel forecasts
  - Operational status of locks

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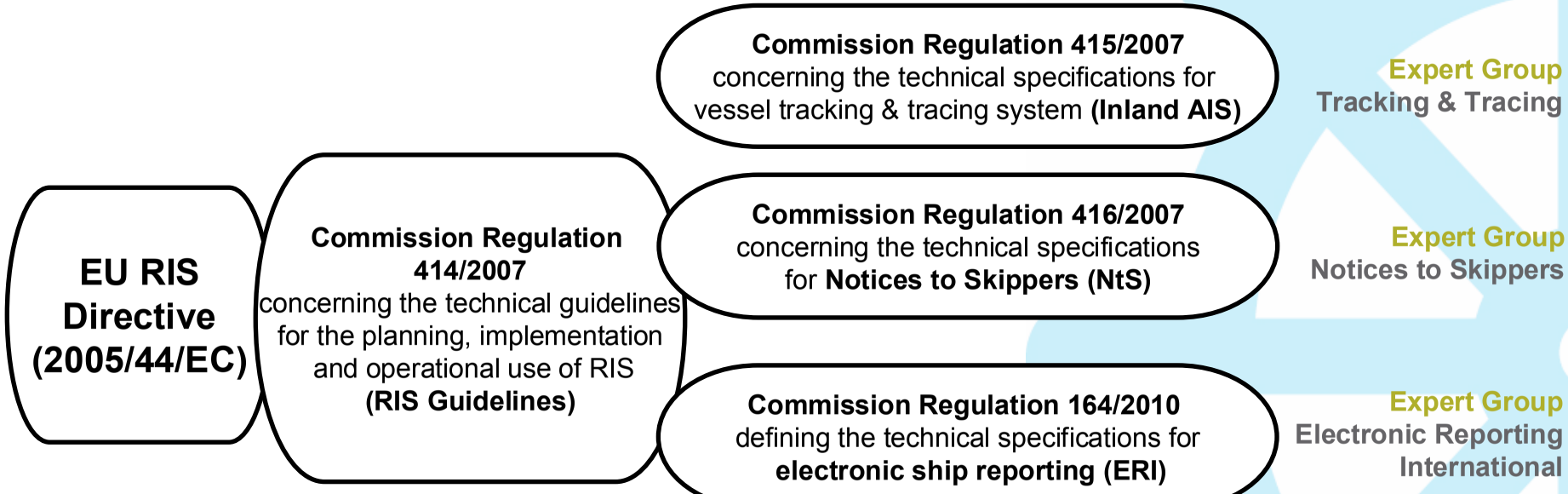
Legal Basis: EU RIS Directive

- Directive 2005/44/EC on harmonised River Information Services (RIS)

- Necessary legal framework for RIS implementation
- Standardisation of ship equipment
- Standardisation of data exchange
- Minimum requirements for RIS

- Publication in official journal: 30.09.2005
- In force since: 20.10.2005

Overview about European legal and technical provisions



"what"

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

"how"

"who"

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RIS related standards

- Elaborated by European Expert groups
- Supervised by European Commission
- Binding for implementation of RIS in Europe

- Electronic Navigational Charts: Inland ECDIS standard
- Tracking and Tracing: Inland AIS standard
- Notices to Skippers: N-t-S standard
- Dangerous cargo reports: International Ship Reporting Standard

Overview: RIS along the Danube



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References, Documents

- Transport Research Knowledge Centre, 2010: River Information Services, 41 pages (www.transport-research.info > Publications > Policy Brochures)

- River Information Services Portal: www.ris.eu



