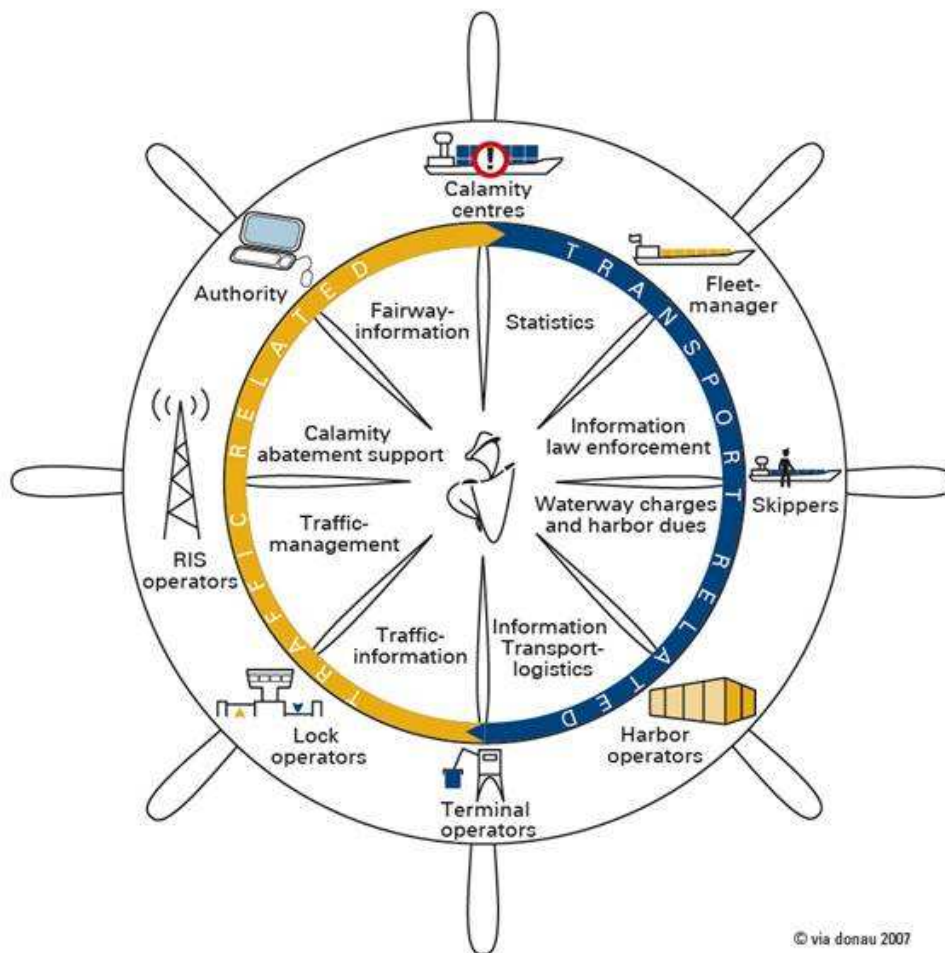# Working Group 4
River Information Services

Bucharest, 27 October 2011
Reinhard Vorderwinkler
Austrian Federal Ministry for Transport, Innovation and Technology

Users and functions of RIS

© via donau 2007

Traffic related services

➲ Fairway information

➲ Traffic information

➲ Traffic management

➲ Calamity abatement

Transport related services

➲ Cargo & fleet management

➲ Waterway charges and harbour dues

➲ Information for law enforcement

➲ Statistics

Main functions of RIS

- Provide information about waterway infrastructure
    - I-ENCs (geography, fairway, traffic regulation)
    - Hydrological data (water level + forecasts)
    - Notices-to-Skippers (restrictions/limitations)
- Provide information about traffic
    - Traffic monitoring (T&T of vessels + access)
    - Traffic management (lock management)
    - Calamity management (historic T&T + cargo data)
- Provide information about voyages and cargo
    - Electronic cargo reporting (cargo + passenger data)
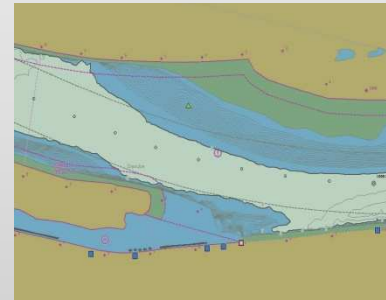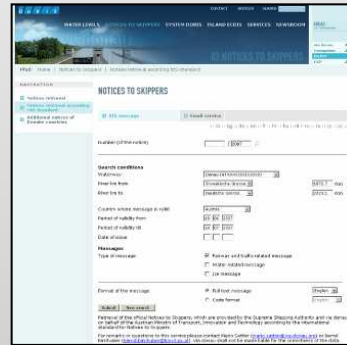   - Voyage planning (ETA, deviation management)

Key RIS technologies

Traffic Information	Fairway information	Geographic information	Cargo and voyage information

International RIS data exchange

AIS	Notices-to-Skippers	IENC	Electronic reporting

RIS Index (waterway network reference data)

Ministerul Transporturilor si Infrastructurii

European legal & technical provisions

Published 2005 - 2010

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

RISVTT
Expert Group
Tracking & Tracing

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 416/2007 concerning the technical specifications for **Notices to Skippers (NtS)**

RISNTS
Expert Group
Notices to Skippers

Commission Regulation 164/2010 defining the technical specifications for **electronic ship reporting (ERI)**

RISERI
Expert Group
Electronic Reporting International

Draft Commission Regulation defining the technical specifications for **Inland ECDIS**

RISECDIS
Expert Group
Inland ECDIS

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

"how"

"who"

Status of agreements for international RIS data exchange

	„SAP-Solution"	Letter exchange for EHDB	Service Agreement for EHDB	Service Agreement for Traffic Mgmt.
Data	ERI, VTT, Hull data	Hull data	Hull data	VTT in border areas, ERI
Users	RIS Authorities and logistics	Certification and RIS authorities**	Certification and RIS authorities	RIS Authorities
Status	in force until 31.12.2011	in force for 2 countries	in force for 7 countries	under finalization
Valid after 1.1.2012	No	No	Yes*	Yes

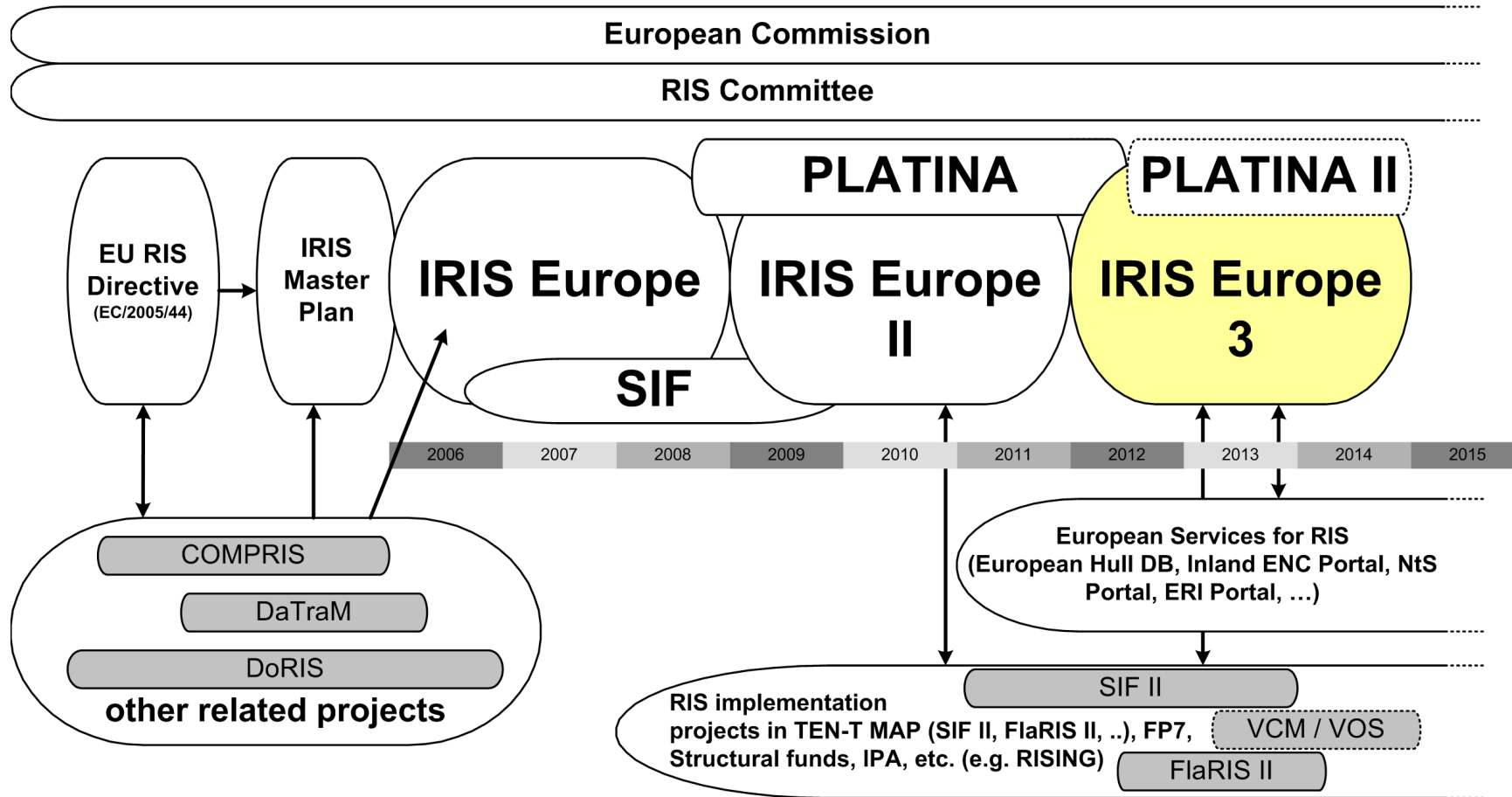→ Gap: data exchange with logistics after 1.1.2012

*prolongation required for time after 1.6.2012
** only for ENI assignment

RIS Implementation in the Danube Region

RIS implementation approach

Implementation of Services on the Danube

- Inland ENCs available in all countries
- Tracking & Tracing infrastructures in (pilot) operation in most countries, most vessels equipped in 12/2012, carriage requirements in force in several countries
- Notices to Skippers and Electronic Reporting Systems in (pilot) operation in nearly all countries
- Data exchange infrastructures available in most countries
- Special attention required for legal issues related to data exchange, services for logistics users and the preparation of national RIS Indices
- Ongoing projects for the completion of RIS implementation in BG, RO and RS, IRIS Europe 3 ensures harmonised service development
- Full service coverage expected 2013

EU Strategy for the Danube Region
Priority Area 1a – To improve mobility and multimodality: Inland waterways

Inland AIS

Lock Management

Notices to Skippers

RIS Portal

RIS Users

Value added services

Electronic Reporting

Hull Database