



The European Union's TEN-T programme
supporting ...

IRIS Europe II – Implementation of River Information Services in Europe



This project is co-funded by the European
Commission / DG-TREN / TEN-T



A project implemented by
the IRIS Europe Consortium



Experiences and developments resulting from the project IRIS Europe II

Mario Sattler on behalf of the PMT
Common Issues Meeting
16.11.2011, Venezia

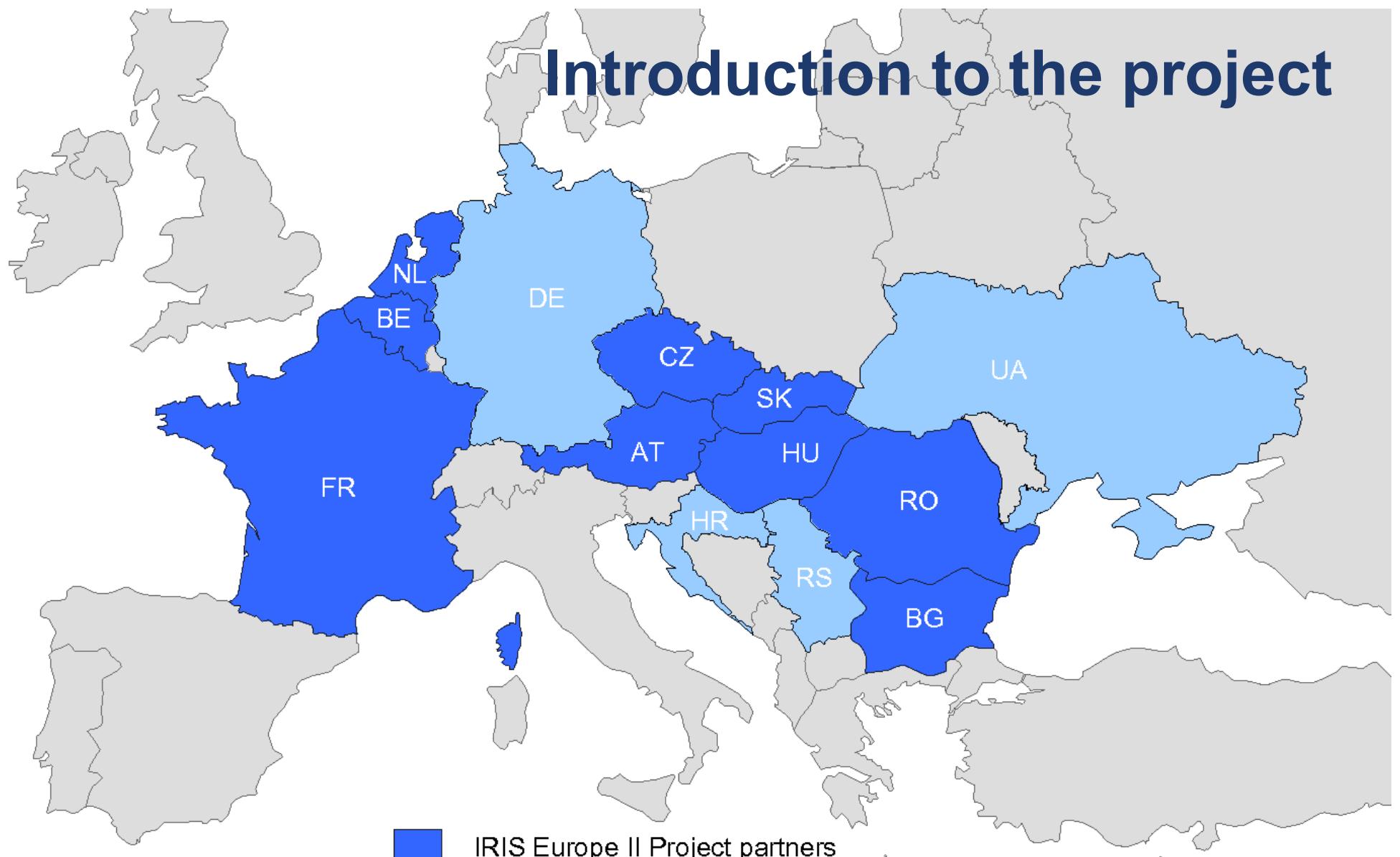


**Implementation of
River Information Services in Europe**

Agenda

- **Introduction – facts and figures**
- **Developments – key results**
- **Summary & Outlook**





Objectives – IRIS Europe II

Motivation:

- **Support RIS providers, traffic and waterway authorities in enhancing their RIS Services**, including the provision of interfaces especially for **logistical RIS Users**.

Duration: 01/2009 – 12/2011

Objectives:

- Common definition and adaptation of RIS standards within RIS Expert groups, based on pilot implementation experience
- Evaluation of new RIS technologies
- Demonstration and evaluation of additional RIS services
- Further elaboration and implementation of measures for cross-border exchange of RIS data
- Definition of requirements for operation of RIS in order to guarantee Quality of Information Services to all RIS users



Thematic Areas / Activities

Activity 1: Pilot implementation of selected Fairway Information Services

Activity 2: Pilot implementation Traffic and Transport Related RIS Services

Activity 3: Pilot Implementation of International RIS Data Exchange including Service Agreements

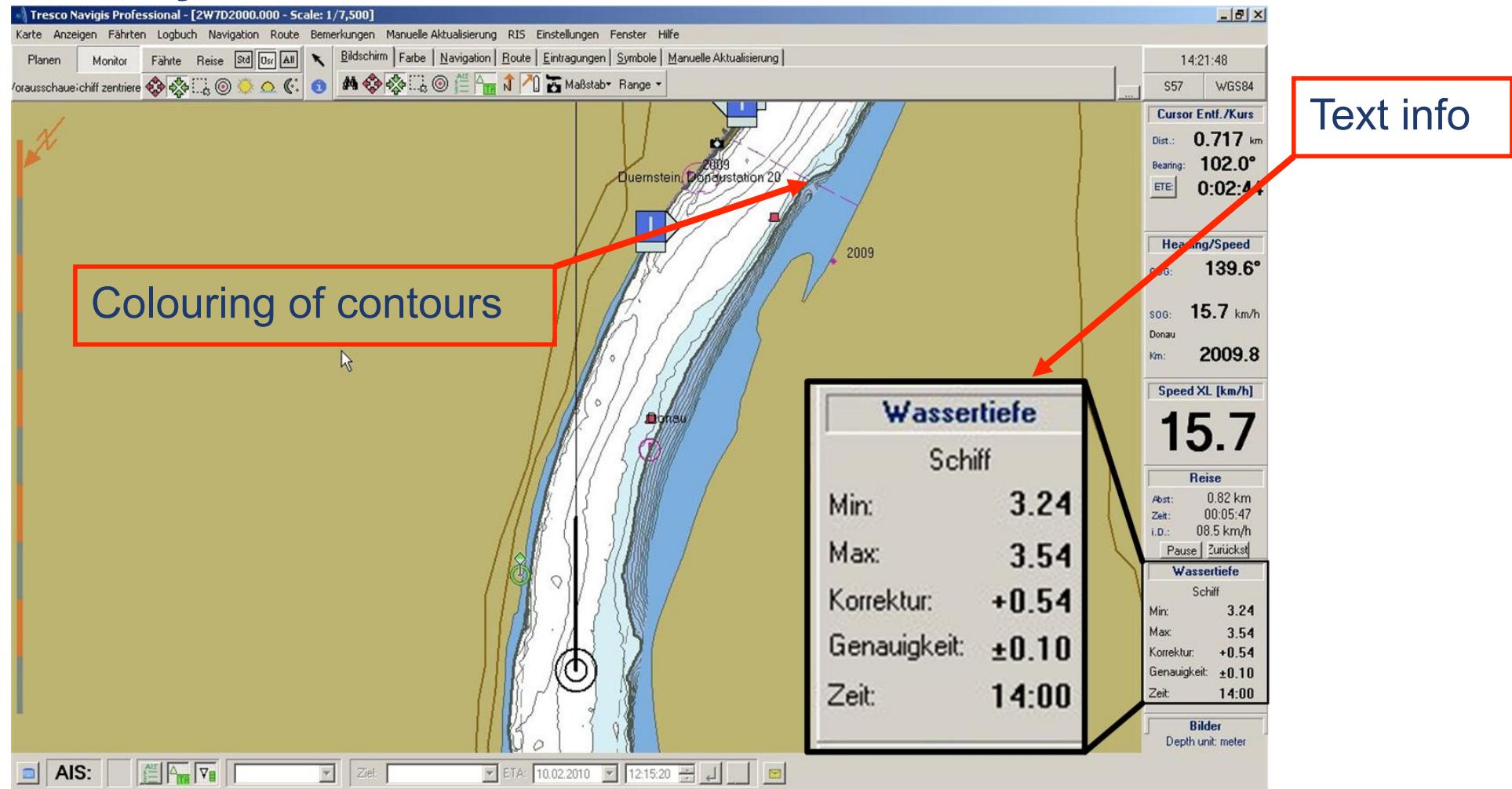
Activity 4: Definition of Quality of River Information Services
(Quality requirements for RIS)

Activity 5: Project Management



Development – key results

Fairway Information Services



Development – key results

Fairway Information Services

- Notices to Skippers

DORIS Nachrichten für die Binnenschifffahrt

Email _____
Passwort _____
Anmelden Registrierung E-Mail-Service Passwort vergessen
Deutsch (de)

Suche nach Wasserstraßen- und verkehrsbezogenen Nachrichten
Wasserstraßenabschnitt _____
Bereich von Stromkilometer von _____ Gültig von _____ Gültig bis _____
Bereich bis Stromkilometer bis _____ Herausgabe von _____ Herausgabe bis _____
Suchen Zurücksetzen

Wasserstraßenabschnitt _____ Herausgabe _____ Gültig von _____ Gültig bis _____
Nummer (der Nachricht) Jahr _____

Identification Wasserstraßenabschnitt Herausgabe Gültig von Gültig bis _____
142 / 00 / 2011; Nachricht: Statistik-meldungen Donau 12.10.2011 13.10.2011 31.12.2011 _____
141 / 00 / 2011; Nachricht: Ende der Bereitstellung mobiler Transponder Donau 12.10.2011 13.10.2011 31.12.2011 _____
140 / 00 / 2011; Melville Sperrn: Revision der linken Kammer der Schleuse Aschach Donau 12.10.2011 31.10.2011 30.03.2012 _____
138 / 01 / 2011; Melville Sperrn: Sperrn der rechten Schleuse Aschach Melk - Korrektur Donau 11.10.2011 09.11.2011 29.03.2012 _____
139 / 00 / 2011; Melville Sperrn: Sandstrahlarbeiten beim Kanalbau im Bereich Mitterkirchen Donau 11.10.2011 02.11.2011 02.01.2012 _____
138 / 00 / 2011; Baggerarbeiten: Renaturierungsarbeiten Reichshof Donau 11.10.2011 17.10.2011 20.12.2011 _____
135 / 00 / 2011; Baggerarbeiten: Beggegung Furt Treuschütz Donau 07.10.2011 12.10.2011 21.10.2011 _____
126 / 01 / 2011; Baggerarbeiten: Hafenerand Rothäsen, Donau 04.10.2011 26.09.2011 25.10.2011 _____
125 / 01 / 2011; Baggerarbeiten: Hafen Freudenau, Verlängerung Donau 03.10.2011 06.09.2011 18.11.2011 _____
133 / 00 / 2011; Baggerarbeiten: Beggegung im Mündungsbereich Große Tuft Donau 30.09.2011 03.10.2011 20.12.2011 _____
132 / 00 / 2011; Nachricht: Kostenabzug von Projektkosten für den Bau einer neuen Brücke über die Litz Donau 29.09.2011 03.10.2011 20.10.2011 _____
130 / 00 / 2011; Baggerarbeiten: Einfahrtsbereich Winterhafen Litz Donau 27.09.2011 10.10.2011 31.12.2011 _____
127 / 00 / 2011; Baggerarbeiten: Oberwasser der Schleuse Ottensheim, Verlängerung Donau 27.09.2011 15.09.2011 21.10.2011 _____
129 / 00 / 2011; Baggerarbeiten: Bereich Str. km 2110.3-2109.4 Donau 22.09.2011 22.09.2011 31.12.2011 _____
128 / 00 / 2011; Baggerarbeiten: Oberhafen und Unterhafen der Schleuse Ottensheim Donau 21.09.2011 26.09.2011 14.10.2011 _____
K: An Einträge 1-15 von 38

RISNTS viadonau bmvi

Kartenübersicht: 12.10.2011 – 19.10.2011

Fahrwegmitteilung Dringende Fahrwegmitteilung Eismittelung Wasserstandsbericht Wetterbericht

Übersicht Mitteilungen an die Binnenschifffahrt: 12.10.2011 – 19.10.2011

Von: 12.10.2011 Bis: 19.10.2011 Kunstbau: _____
Titel: _____ Suchen | aktuelle Mitteilungen

Textwiedergabe

	NIS nr.	Titel	Von	Bis
1	2011/063/01 (nv De Scheepvaart en Zeekanaal NV)	Nachricht aufgehoben - Ringvaart om Gent, Sluis 2 te Evergem (Evergem) Ringvaart om Gent, Sluis 2 te Evergem (Evergem) 2011/0663/01	17.09.2011	12.10.2011
2	2011/0115/00 (nv De Scheepvaart)	Nachricht - Zuid-Willemsvaart, Zuid-Willemsvaart km 3.3 (Lanaken) (nv De Scheepvaart, Zuid-Willemsvaart, Zuid-Willemsvaart km 42.3 (Bocholt) 2011/0115/00	10.10.2011	14.10.2011
3	2011/0113/00 (nv De Scheepvaart)	Höchstgeschwindigkeit - Schelde-Rijnverbinding, Brug Zandvliet Noordlandbrug (Zandvliet) Schelde-Rijnverbinding, Schelde-Rijnverbinding km 5.0 (Zandvliet) 2011/0113/00	05.10.2011	20.10.2011
4	2011/0695/00 (Waterwegen en Zeekanaal NV)	Betrieb geändert - Kanaal Gent-Terneuzen, Wiedawaubrug (spoorbrug) (Gent (Ghent)) 2011/0695/00	07.10.2011	
5	2011/0692/00 (Waterwegen en Zeekanaal NV)	Warnung - Zeekanaal Brussel-Schelde, Sluis Zemst (Zemst) Zeekanaal Brussel-Schelde, Jan Bogaerts spoorbrug (Kapelle-op-den-Bos) 2011/0692/00	11.10.2011	12.10.2011
6	2011/0688/00 (Waterwegen en Zeekanaal NV)	Warnung - Grensleie, Grensleie km 8.8 (Wervik) Grensleie, Nieuwe stuwsluis te Menen (Menen) 2011/0688/00	17.10.2011	18.10.2011

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Tel.: +36-1/469-4164, Fax: +36-1/469-4167
Mobil: +36-20/202-7763, VHF 16-22

PannonRIS Nemzeti Közlekedési Hatóság

Regisztrált felhasználók: Felhasználónév: Jelszó: Belép Nyelv váltás: HU | EN | DE

Főoldal Tájékoztatók Hajókötő Hajósnak szóló információk Térképek Vízállások

Vízmérce Nagybajcs

Dátum	Vízállás
2011.10.05 07:00	45.0
2011.10.04 19:00	43.0
2011.10.04 07:00	60.0
2011.10.03 19:00	46.0
2011.10.03 07:00	75.0
2011.10.02 19:00	83.0
2011.10.02 07:00	89.0
2011.10.01 19:00	96.0



Development – key results

Fairway Information Services

- Wireless RIS services (cooperation with NEWADA)



Development – key results

Fairway Information Services

- National reference data management systems

The image displays two screenshots of the Fairway Information Services (FIS) software, specifically the RISNTS and RIS modules.

RISNTS Interface: This screenshot shows the RISNTS module. It features a sidebar on the left with a cylinder icon labeled "IENC data base" and a map of a lock system. The main area displays a table titled "RIS Index" showing various countries and their corresponding file sizes. The table includes:

Country	Size
Austria	840.93 KB
Belgium	303.79 KB
Czech_Rep	784.89 KB
France_locks	4.45 MB
Germany	433.17 KB
Hungary	813.3 KB
Netherlands	3.53 MB
Romania	652.5 KB
Slovakia	588.5 KB

RIS Interface: This screenshot shows the RIS module. It features a sidebar on the left with a "REFERENCE DATA" section containing links to various resources like "GENERAL INTS", "REFERENCE DATA", "GUIDES", "OTHER", "NTS VERSION 1X", "NTS VERSION 2.0", "NTS VERSION 3.0", "MEETINGS", "VTT", "JTF", and "COUNTRIES". The main area displays a table of "Available downloads" with columns for file type and size. The table includes:

File Type	Size
XLS	652.5 KB
XLS	589 KB
ZIP	773.49 KB
ZIP	840.93 KB
ZIP	303.79 KB
ZIP	784.89 KB
ZIP	4.45 MB
ZIP	433.17 KB
ZIP	813.3 KB



Development – key results

Traffic and Transport Related RIS Services

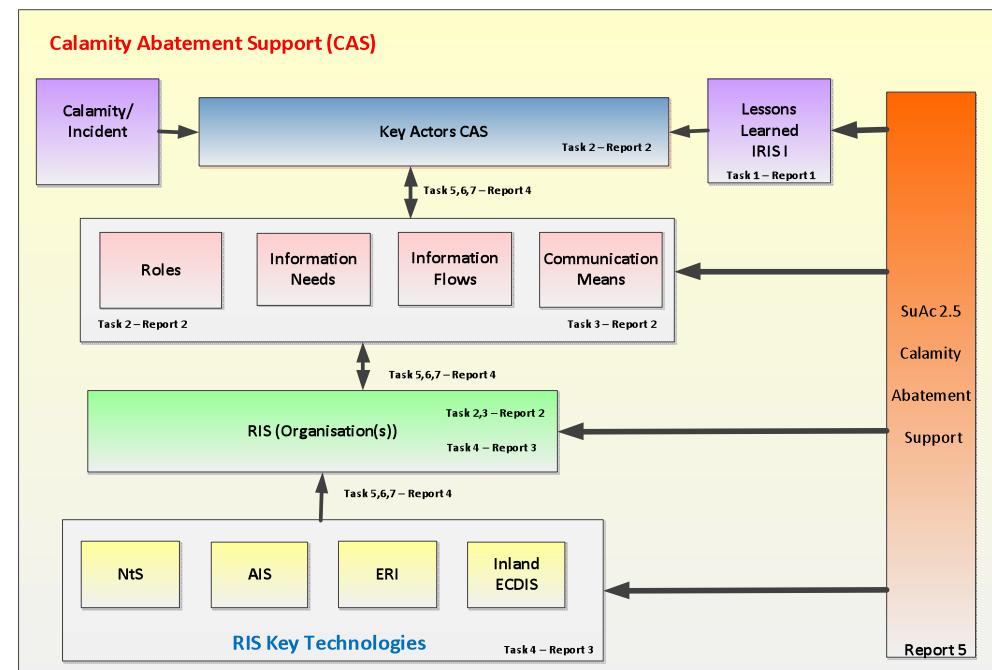
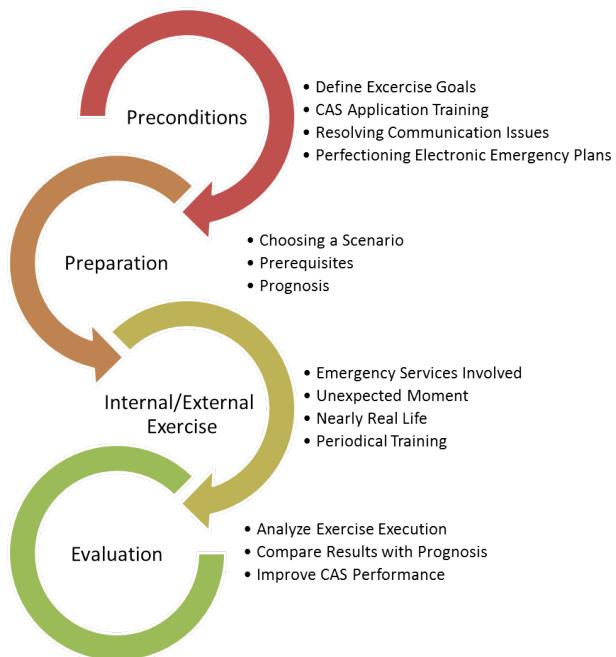
- Evaluation of heading devices
- Pilot infrastructures on-shore
- Pilot infrastructure on-board



Development – key results

Traffic and Transport Related RIS Services

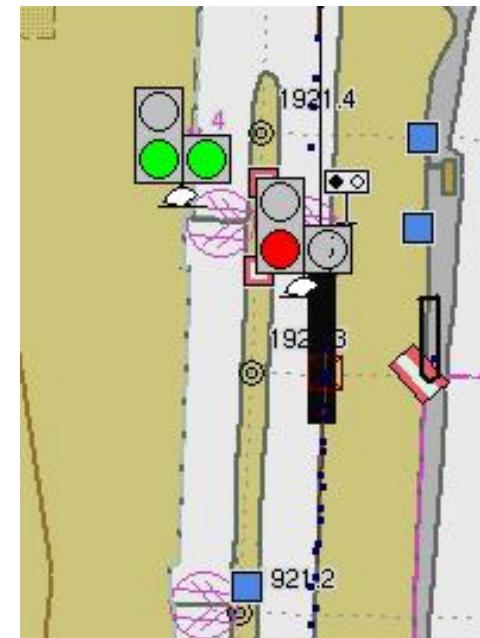
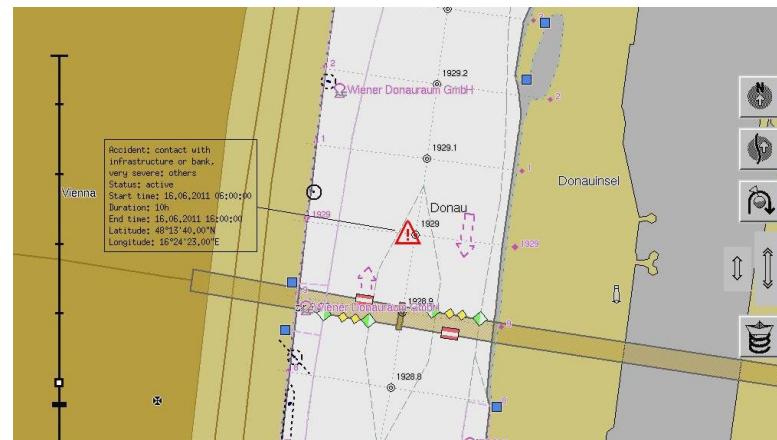
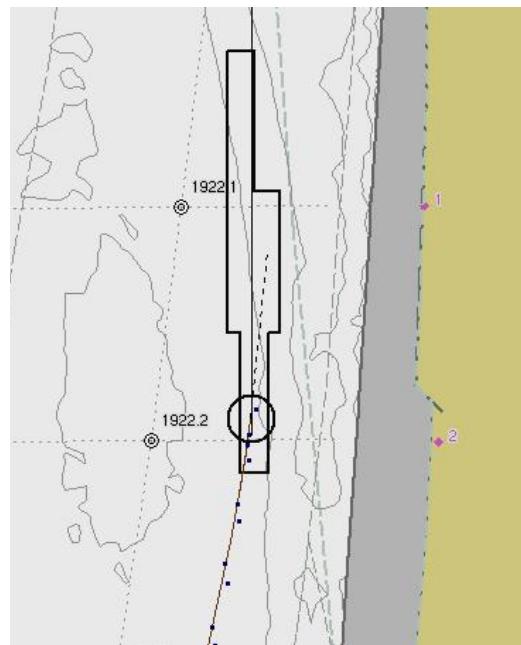
- Calamity Abatement Support



Development – key results

Traffic and Transport Related RIS Services

- Test and evaluation of additional traffic information via Inland AIS messages (convoy information, calamity information, signal status)



Development – key results

Traffic and Transport Related RIS Services

- Electronic reporting (according to 164/2010/EU regulation)
- Single Sign On

The image displays four windows from different software applications, likely representing the development of RIS services:

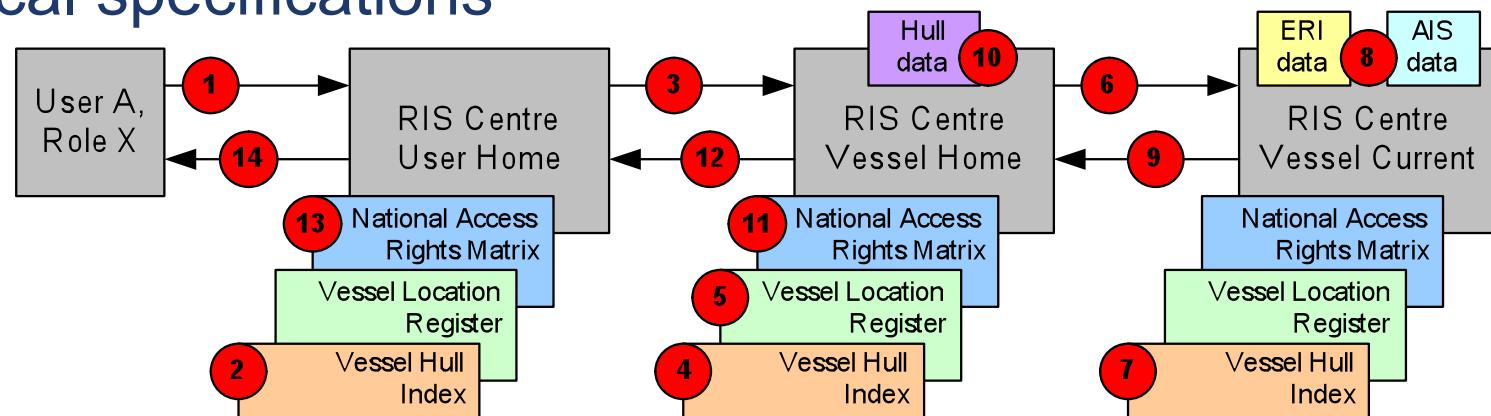
- Top Left:** A screenshot of a "Convoy & Cargo" interface. It shows a table for a vessel named "ATVESSEL04" with details like Vessel Id (ENI90200004), Length (400m), Width (400m), Draught (400m), Max. Tonnage (8440t), and Height (0m). Below the table are buttons for "Add Vessel", "Edit Vessel", and "Remove Vessel". There are also input fields for Total length [m] (400), Max. Draught [m] (400), Total width [m] (400), Convoy type (MOTOR.FREIGHTER.TU), and Maximum tonnage (400).
- Bottom Left:** A screenshot of a "Crewlist - VERTREK" window. It shows crew information for a vessel named "PAXTEST" (ENI 0399998) departing from Koblenz am Rhein on 10-05-2011 to Nijmegen on 10-05-2011. The crew list includes three members: Scherpbier (Linda), Oudenes (Peter), and Bubberman (Bart). The interface includes tabs for "Bemanninglijst", "Passagierslijst", and "Verstekelingenlijst".
- Middle Right:** A screenshot of a "Bericht details - personen - MR_App" window. It shows a table for a message (Bericht nr. 20044) sent from PAXTEST to SVC25 on 10-05-2011 at 15:55. The message details include the sender (PAXTEST), recipient (SVC25), and various parameters like Tonnage (0), Nationaliteit (NEDERLAND), and Bestemming (NUMEGEN).
- Bottom Right:** A screenshot of a "Personen bericht details (FAL 5,6)" window. This is a detailed view of the message from the previous screen, showing individual passenger details for Linda Scherpbier, Peter Oudenes, and Bart Bubberman.



Development – key results

Pilot implementation of RIS data exchange

- Advanced services for international data exchange for governmental and logistics stakeholders (close cooperation with RISING)
- Legal provisions for international RIS data exchange
- Maintenance and further development of functional and technical specifications



Development – key results

Pilot implementation of RIS data exchange

- Interconnection with European Services (close cooperation with PLATINA)

European Hull Database

ENI	Ausstellungsdatum	IMO Nummer	Name	Type	Identifikation	Ausstellende Behörde	Ausstellung
90200010	10.11.2007	ATVESSEL10	Other	20022410	ATO1	10.11.2007	
90200011	11.11.2007	ATVESSEL11	Other	20022411	ATO1	11.11.2007	
90200012	12.11.2007	ATVESSEL12	Other	20022412	ATO1	12.11.2007	
90200013	13.11.2007	ATVESSEL13	Other	20022413	ATO1	13.11.2007	
90200014	14.11.2007	ATVESSEL14	Other	20022414	ATO1	14.11.2007	
90200015	15.11.2007	ATVESSEL15	Other	20022415	ATO1	15.11.2007	
90200016	16.11.2007	ATVESSEL16	Other	20022416	ATO1	16.11.2007	
90200017	17.11.2007	ATVESSEL17	Other	20022417	ATO1	17.11.2007	

European Reference Data Management Service – ERDMS

date & time	status	reftype	refcode
2011-10-11 12:45	new	risindex	HARU0000018591000000
2011-10-11 12:45	new	risindex	HARU00000185914465
2011-10-11 12:45	new	risindex	HARU00000185914466
2011-10-11 12:45	new	risindex	HARU00000185914467
2011-10-11 12:45	new	risindex	HARU00000185914468
2011-10-11 12:45	new	risindex	HARU00000185914469
2011-10-11 12:45	new	risindex	HARU00000185914470
2011-10-11 12:45	new	risindex	HARU00000185914471
2011-10-11 12:45	new	risindex	HARU00000185914472
2011-10-11 12:45	new	risindex	HARU00000185914473
2011-10-11 12:45	new	risindex	HARU00000185914474
2011-10-11 12:45	new	risindex	HARU00000185914475
2011-10-11 12:45	new	risindex	HARU00000185914476
2011-10-11 12:45	new	risindex	HARU00000185914477
2011-10-11 12:45	new	risindex	HARU00000185914478
2011-10-11 12:45	new	risindex	HARU00000185914479
2011-10-11 12:45	new	risindex	HARU00000185914480
2011-10-11 12:45	new	risindex	HARU00000185914481
2011-10-11 12:45	new	risindex	HARU00000185914482
2011-10-11 12:45	new	risindex	HARU00000185914483
2011-10-11 12:45	new	risindex	HARU00000185914484
2011-10-11 12:45	new	risindex	HARU00000185914485
2011-10-11 12:45	new	risindex	HARU00000185914486
2011-10-11 12:45	new	risindex	HARU00000185914487
2011-10-11 12:45	new	risindex	HARU00000185914488
2011-10-11 12:45	new	risindex	HARU00000185914489
2011-10-11 12:45	new	risindex	HARU00000185914490
2011-10-11 12:45	new	risindex	HARU00000185914491
2011-10-11 12:45	new	risindex	HARU00000185914492
2011-10-11 12:45	new	risindex	HARU00000185914493
2011-10-11 12:45	new	risindex	HARU00000185914494
2011-10-11 12:45	new	risindex	HARU00000185914495
2011-10-11 12:45	new	risindex	HARU00000185914496
2011-10-11 12:45	new	risindex	HARU00000185914497
2011-10-11 12:45	new	risindex	HARU00000185914498
2011-10-11 12:45	new	risindex	HARU00000185914499
2011-10-11 12:45	new	risindex	HARU00000185914500



Development – key results

Status of legal agreements for 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 1 country	in force for 8 countries	under finalization
Valid after 1.1.2012	No	No	Yes*	Yes

→ To do: data exchange with logistics stakeholders after 1.1.2012

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



Development – key results

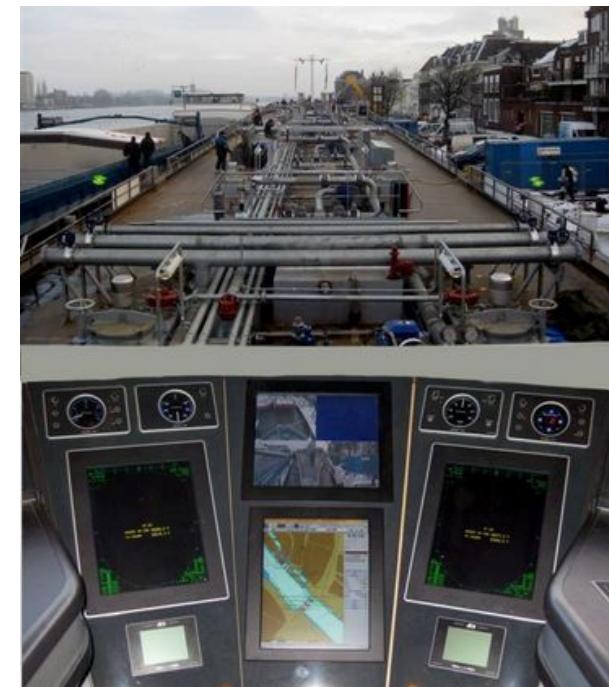
Quality of Information Services for RIS

- QoIS for Electronic Reporting
- QoIS for Notices to Skippers
- QoIS for RIS Index
- QoIS for Vessel Tracking and Tracing



Summary & Outlook (1/2)

- The joint initiative to harmonize and develop RIS services has led to a success
- The network of RIS experts is stable (RIS Expert Groups)
- IRIS Europe II is / was a project of national priorities managed on international level
- Tangible results are on the table of RIS stakeholders (governmental & private users)
- Co-ordinated further work is of utmost importance



Summary & Outlook (2/2)

- Follow up activities required in the fields:
 - Ensuring interoperability of RIS systems and services
 - Establishing Quality of River Information Services
 - Co-ordinated approach towards international data exchange
 - Interconnections with the European Services
- Continuation of important work of the IRIS Europe Task Forces ('think tanks')
 - Technical Task Force
 - Legal Task Force
 - Logistics Task Force
 - Evaluation Task Force
- Cooperation between all countries implementing RIS
- Ongoing contributions of project initiatives to the work of the RIS Expert Groups





It's all about River Information Services...

RISING and IRIS EUROPE II,

two European projects will be presenting their results during a joint final event.

Join our RIS trip and experience what RIS can mean for you.

FINAL EVENT

1 December 2011 | Duisburg | 09.00 – 18.00

A unique event at a unique location

save the date

Mario Sattler

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