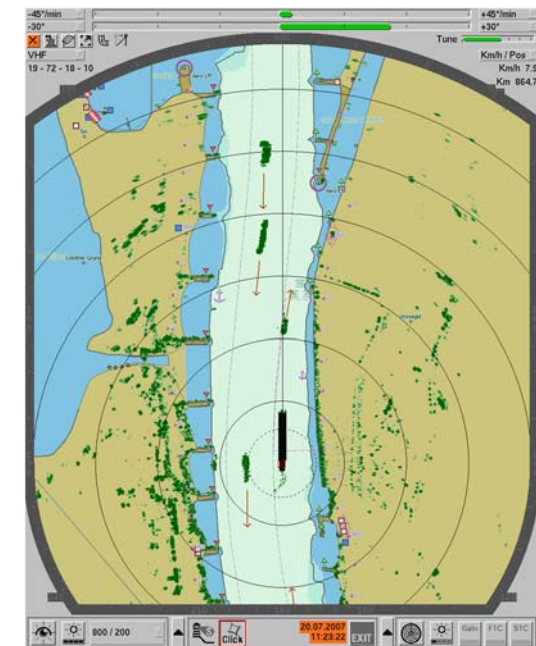
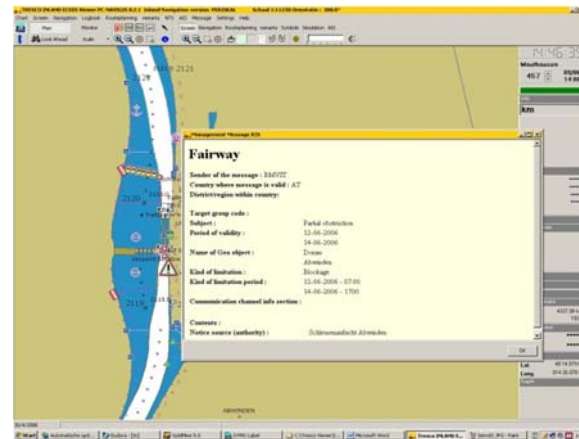
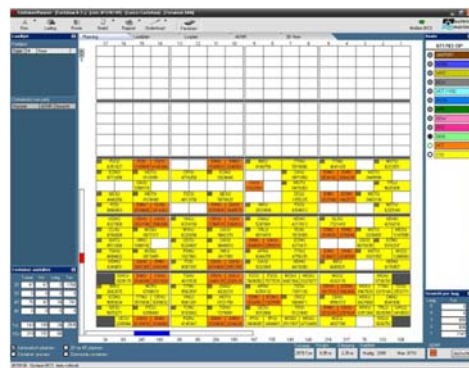




Introduction of River Information Services



Bernd Birkhuber
Chair of the Inland ECDIS expert group

Content

1. What is RIS?
2. RIS standards
 - Inland ECDIS
 - Notices to Skippers
 - Inland AIS
 - Electronic Reporting

What is ~~RIS~~ River Information Systems?

- River Information Services (RIS) use harmonised electronic data exchange to provide information services for the support of traffic and transport management
- RIS do not deal with internal commercial activities between one or more of the involved companies, but are open for interfacing with commercial activities
- Developed during several R&D projects of the EU, but with participation of other countries
- Components:
 - Fairway information: Inland ECDIS and Notices to Skippers
 - Traffic information: Inland AIS and Electronic Reporting
- Improved traffic and transport management, calamity abatement, statistics, logistic chain management, ...

RIS standards

The standards of EU, CCNR and UNECE aim

- to provide for a European-wide framework for the implementation of the RIS concept (to prevent a patchwork of national legislation and applications).
- to ensure that RIS applications are interoperable and compatible on a national as well as a European level in order to allow continuous cross border traffic without technical obstacles.
- to harmonize data exchange and communication on a European level in order to facilitate the interoperability of the entire system.

The components of RIS

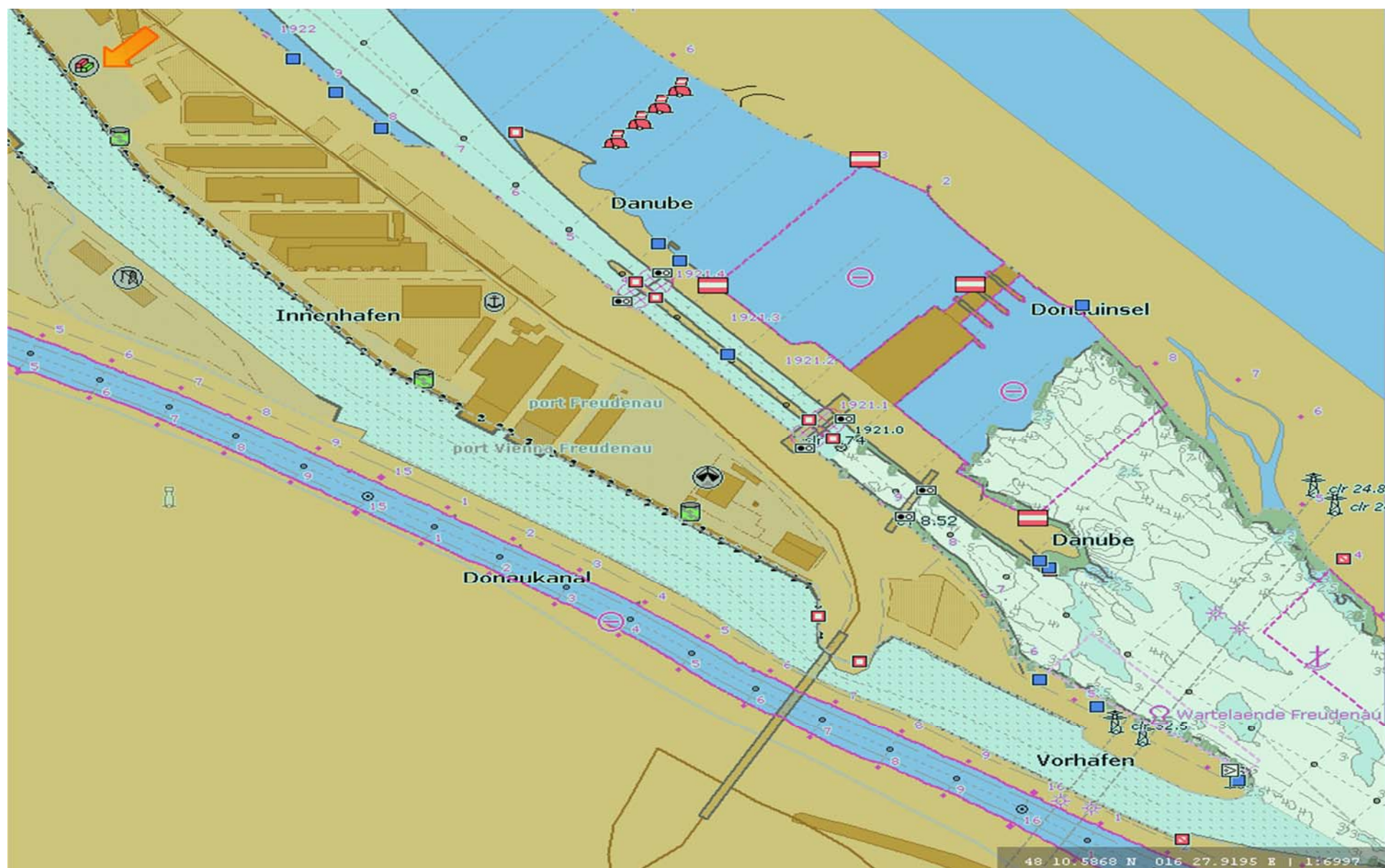


Electronic Chart Display and Information System for Inland navigation

Inland ECDIS

- Authorities will have to provide charts for all waterways of class Va and above according to the RIS directive
- These charts can be used by all Inland ECDIS applications





Facility Information

Schleuse Freudenau

Meta Information

- Facility Identification Number:
ATVIE00001LOCKS19212
- Version: 4
- Last changes: 2008-07-15 @ 12:26
- Type of Facility: Lock
- Short Description:
- Operator: **via donau**
- Owner: **Verbund-Austrian Hydro Power AG**

Communication Information

Address of Facility

Street Donau-City-Strasse 1
Postcode 1220
City Wien
Country Austria

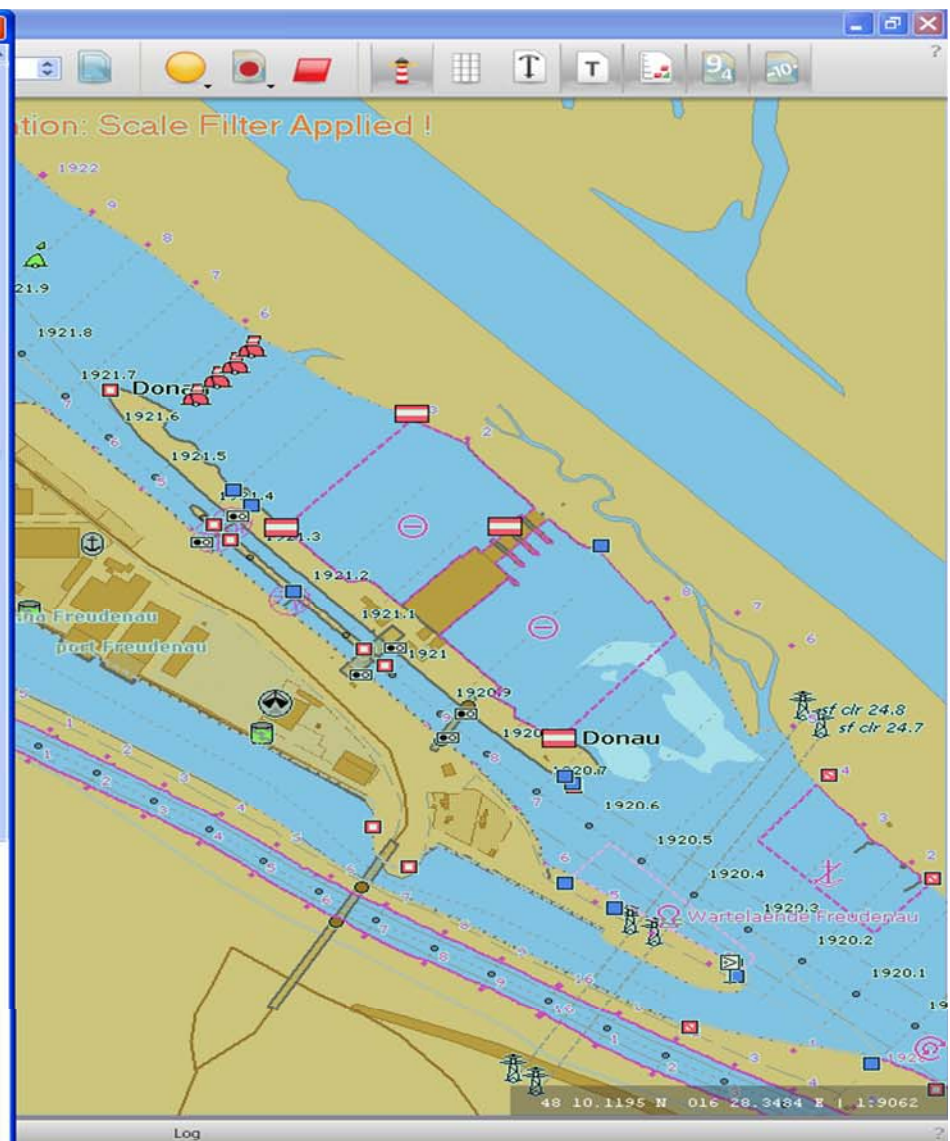
Contact

Company
Name/Function
Phone +43 504321 6690
Fax +43 504321 6695
Email schleusenaufsicht.freudenau@via-donau.org
Url www.doris.bmvit.gv.at
Url www.via-donau.org
Remark

Radio Communication

Calling Name Schleuse Freudenau
Channel 18

Time Schedule






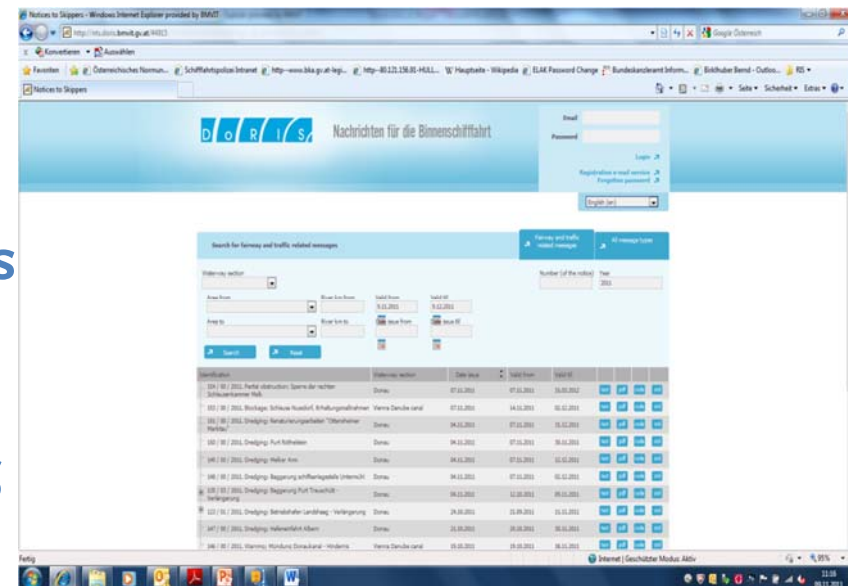


The components of RIS



Notices to Skippers

-  Automatic translation of notices into 24 Languages
-  Machine readable XML-files for voyage planning applications
-  Connected to Inland ECDIS via location codes



FINAL EVENT

English (en)

Search for fairway and traffic related messages

Fairway and traffic related messages

All message types

Waterway section

Donau

Number (of the notice)

Year

2011

Area from

Tankhafen Linz (ATLNZ00001TAN)

River km from

2128.1

Valid from

9.11.2011

Valid till

9.12.2011

Area to

Hafen Wien Lobau (ATVIE00001L)

River km to

1916.8

Date issue from

Date issue till

Search

Reset

Identification	Waterway section	Date issue	Valid from	Valid till				
154 / 00 / 2011, Partial obstruction; Sperre der rechten Schleusenkammer Melk	Donau	07.11.2011	07.11.2011	31.03.2012	text	pdf	code	xml
149 / 00 / 2011, Dredging; Melker Arm	Donau	04.11.2011	07.11.2011	12.12.2011	text	pdf	code	xml
147 / 00 / 2011, Dredging; Hafeneinfahrt Albern	Donau	21.10.2011	20.10.2011	30.11.2011	text	pdf	code	xml
145 / 00 / 2011, Dredging; Einfahrtsbereich Hafen Krummnussbaum	Donau	17.10.2011	21.10.2011	11.11.2011	text	pdf	code	xml
138 / 01 / 2011, Partial obstruction; Sperre der rechten Schleusenkammer Melk - Korrektur	Donau	11.10.2011	09.11.2011	29.03.2012	text	pdf	code	xml
139 / 00 / 2011, Partial obstruction; Sandstrahlarbeiten beim								

RISing
River Information Services for Transport & Logistics

1
TEN-T

EUROPE

EUROPE

EUROPE

EUROPE

EUROPE

EUROPE

TRESCO INLAND ECDIS Viewer PC-NAVIGIS 8.2.1 Inland Navigation version PERISKAL Schaal 1:11250 Orientatie : 300.0°

Chart Screen Navigation Logbook Routeplanning remarks NTS AIS Message Settings Help

Plan Monitor Screen Navigation Routeplanning remarks Symbols Simulation AIS

Look Ahead Scale

14:46:35

Mauthausen 457 09/06/06 14:00:00

Info km

4337.08 km 193 °

Lat. 48 14.979 N Long. 014 26.078 E Depth

30/4/2006

Start Automatische upd... Eudora - [In] GoldMine 5.0 DYMO Label C:\Tresco Viewer\I... Microsoft Word Tresco INLAND E... bernd3.JPG - Paint 14:46

Fairway

Sender of the message : BMVIT
Country where message is valid : AT
District/region within country:

Target group code :
Subject : Partial obstruction
Period of validity : 12-06-2006 14-06-2006

Name of Geo object : Donau
Abwinden

Kind of limitation : Blockage
Kind of limitation period : 12-06-2006 - 07:00 14-06-2006 - 1700

Communication channel info section :

Contents :
Notice source (authority) : Schleusenaufsicht Abwinden

OK

ABWINDEN

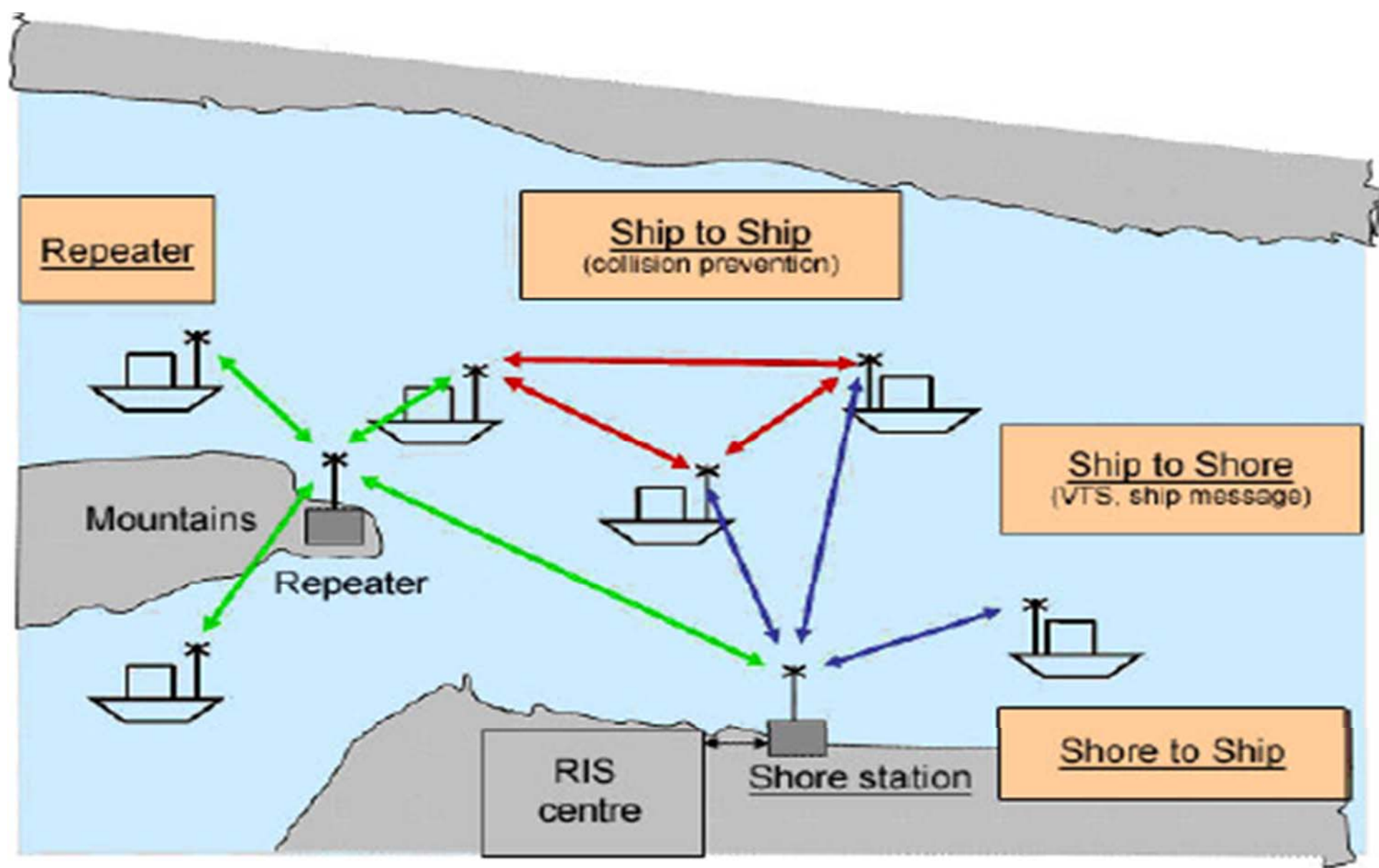
The components of RIS

Vessel Tracking and Tracing
with Inland AIS

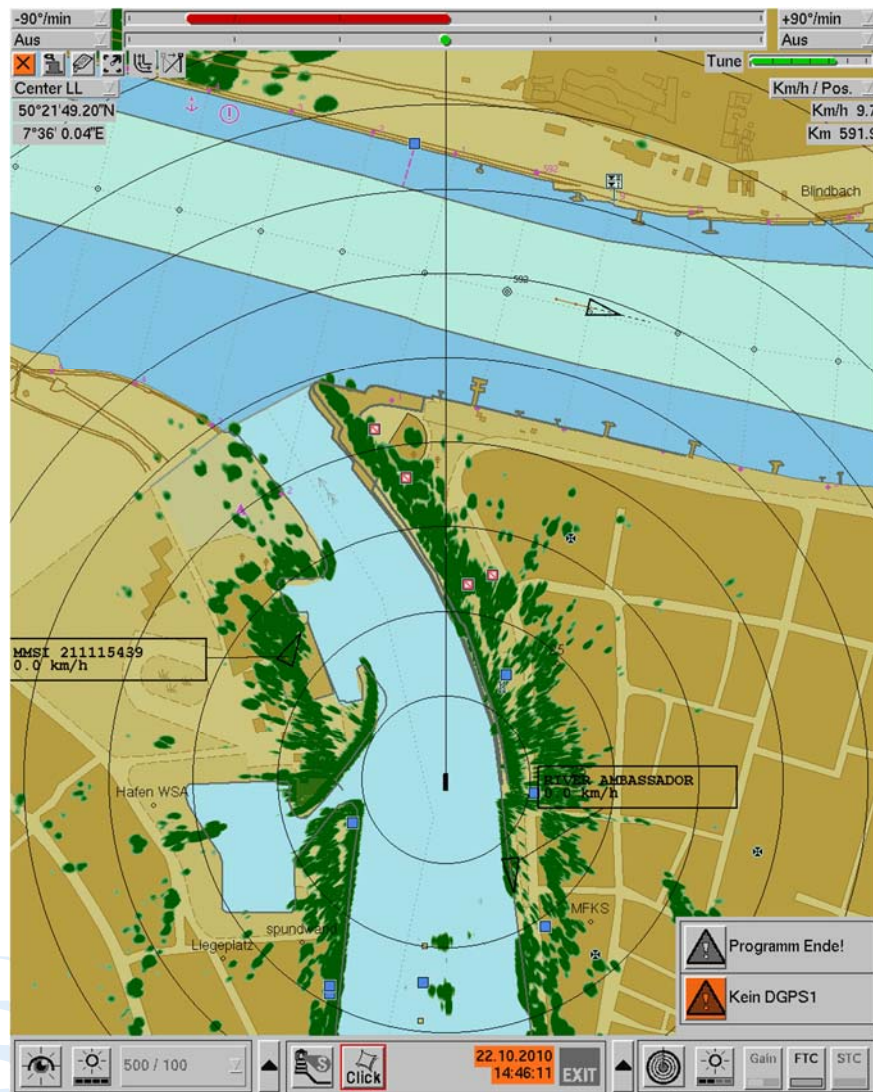
- Display of vessel identification
and position on
Inland ECDIS

RISVTTO





FINAL EVENT

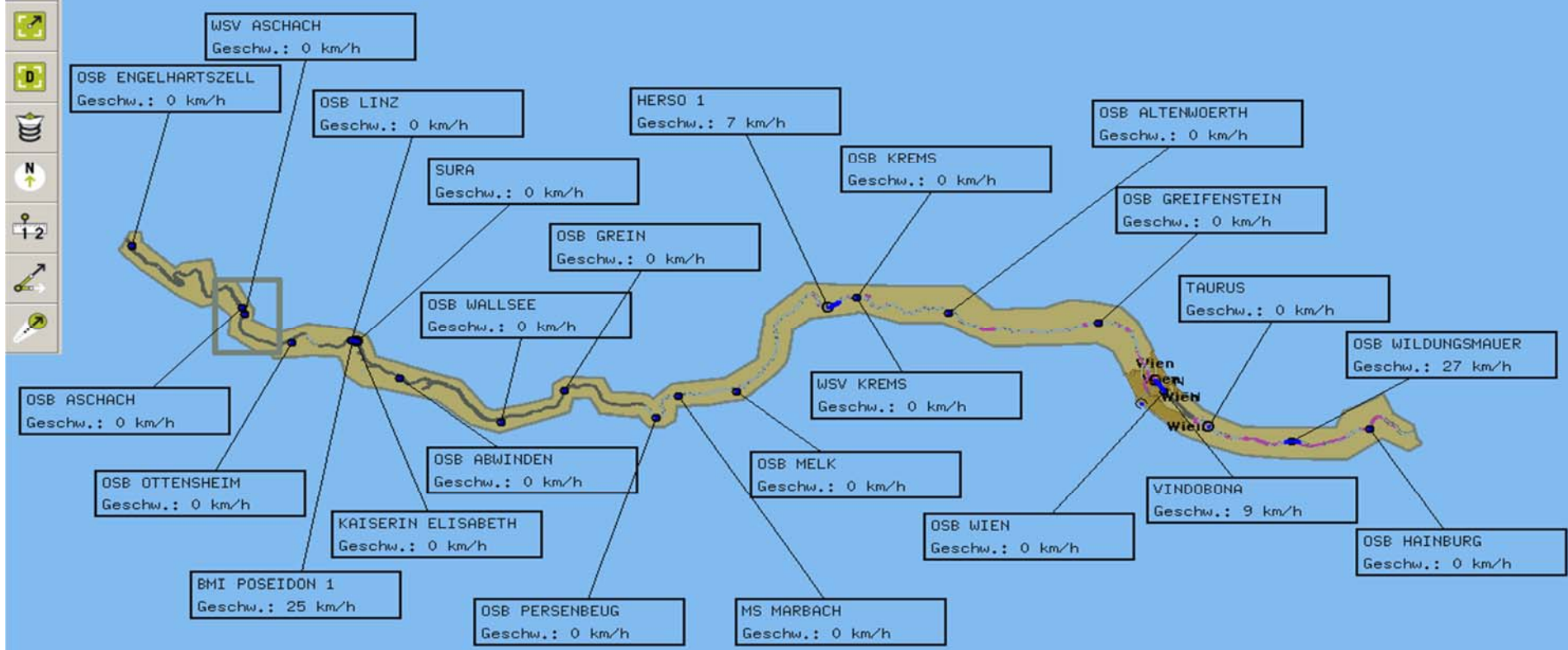


RISing
River Information Services for Transport & Logistics



IRIS
EUROPE

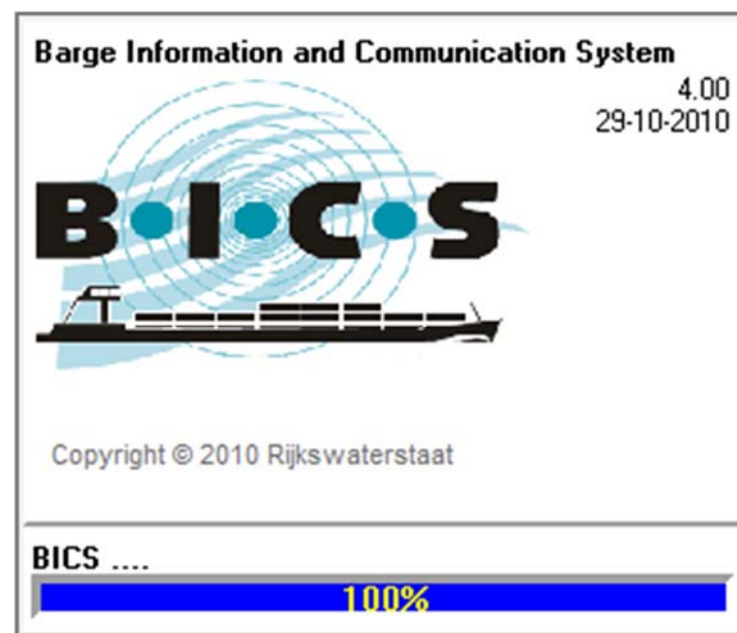
49°15'28.13"N 13°33'30.10"E



The components of RIS

Electronic Reporting

- According to the RIS, directive member states have to enable the competent authorities to receive electronic ship reports of the required data from ships.
- In cross-border transport, this information shall be transmitted to the competent authorities of the neighbouring State.





Add voyage

Add cargo

Ship : BICSTESTType : CONTAINER VESSEL

Cargo capacity : 2836

✓✓✗?

Loading : VIENNA16-11-201116:50

Sender :

Unloading : BUDAPEST16-11-201116:50

Receiver :

☒ Container?

Container Id : CONT123

Type : 40FT TANK CONTAINER, DANGEROUS LIQUID MIN. 150 l

Stowage loc. :

☐ Empty of

Weight : 12,000 tonsQuantity: 0

Volume: 0Inner Packages :

Remarks :

☒ Hazardous good

Language selection

☐ Netherlands

☐ German

☐ French

☒ English

Hazardous good

UN no. : 2831

Class : 6.1

Classificat. : T1 III

Name : 1,1,1-TRICHLOROETHANE

Synonym : 1,1,1-TRICHLOROETHANE



FINAL EVENT

More information: www.ris.eu

Contact points:

-  inland-ecdis@ris.eu Inland ECDIS
-  nts@ris.eu Notices to Skippers
-  vtt@ris.eu Vessel Tracking and Tracing
(Inland AIS)
-  eri@ris.eu Electronic Reporting
International

RI Sing
River Information Services for Transport & Logistics



IRIS
EUROPE