



Directorate-General
for Energy
and Transport

3rd CCNR Workshop on River Information Services (RIS)

Strasbourg, 13 November 2008

RIS – State of Play in Europe

Astrid Schlewing, DG TREN



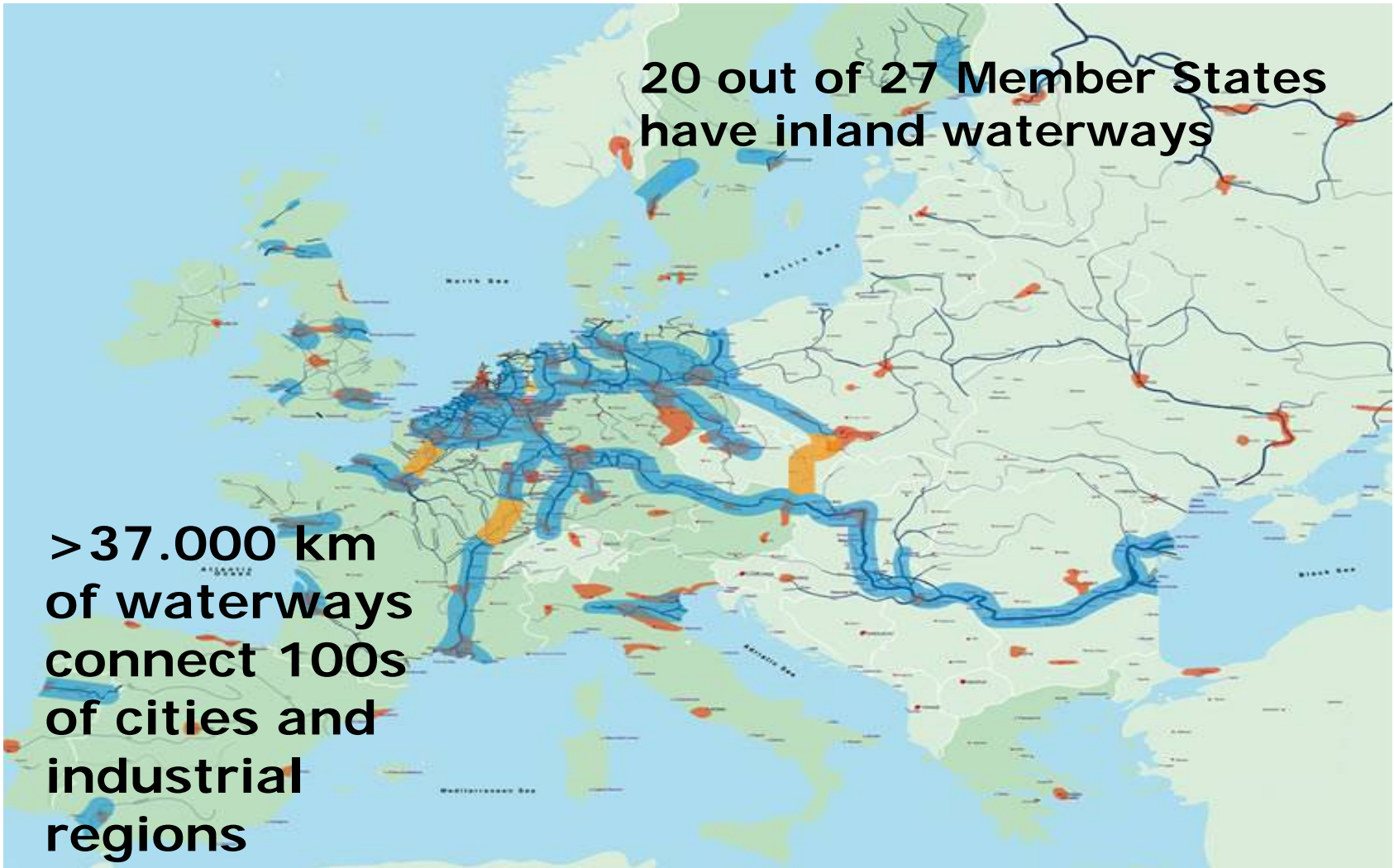
EUROPEAN
COMMISSION

● Contents

- Inland Waterway Transport Policy
- River Information Services
- From research, legislation to Implementation
- Legal Basis
- RIS Implementation
- Next to come

Inland waterway transport policy (1)

- Inland Waterway network -



● Inland waterway transport policy (2)

- Some basic facts -

- 20 out of 27 Member States have inland waterways;
12 are connected
- Third transport mode in volume
- Modal share of river transport: ~5.5% of total inland transport
- Modal share in NW Europe: up to 43% !
- > 500 million tons of freight p.a.
- Almost 140 billion ton-kilometres
- EU fleet: 12.000 vessels = 480.000 trucks

● Inland waterway transport policy (3)

- Why inland waterway transport? -

- (No) **Congestion**
- (Better) **Environment**
- (High) **Safety & Security**
- (Low) **Cost**

● Inland waterway transport policy (4)

- Aims of the European Commission -

- to promote and strengthen the competitive position of inland waterway transport in the transport system
- to facilitate its integration into the intermodal logistic chain
- to create favourable conditions for the further development and innovation of the sector
- to encourage companies to use this mode of transport

● Inland waterway transport policy (5)

- Integrated Action Programme “NAIADES” -

1. MARKET

- » Create favourable conditions for services

2. FLEET

- » Stimulate fleet modernisation and innovation

3. JOBS AND SKILLS

- » Promote jobs and skills

4. IMAGE AND PROMOTION

- » Improve image and co-operation



● Inland waterway transport policy (5)

- Integrated Action Programme “NAIADES” -

1. MARKET

- » Create favourable conditions for services

2. FLEET

- » Stimulate fleet modernisation and innovation

3. JOBS AND SKILLS

- » Promote jobs and skills

4. IMAGE AND PROMOTION

- » Improve image and co-operation

5. INFRASTRUCTURE

- » Provide adequate infrastructure
 - **River Information Services**



● Inland waterway transport policy (6)

- PLATINA in support of NAIADES -

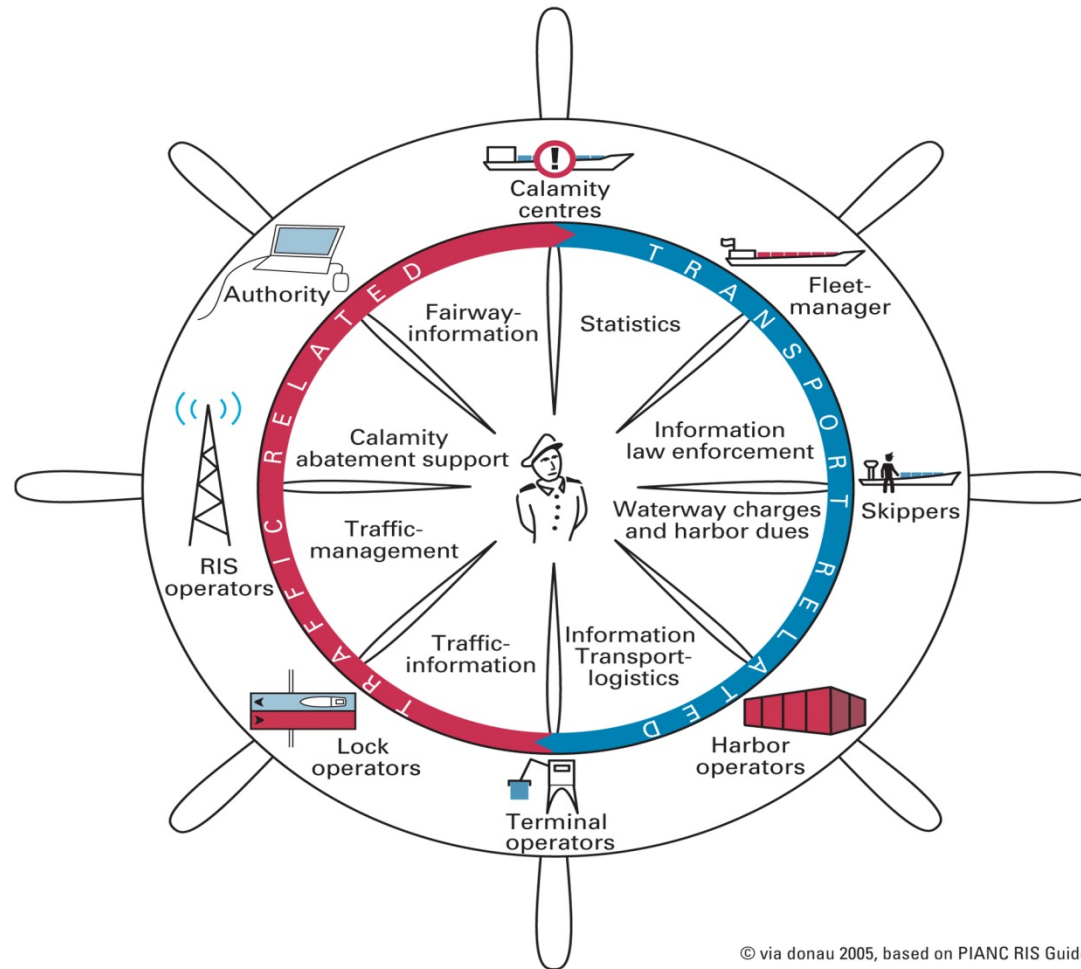


- Coordination action under the '7th Framework Programme for research and technological development'
- Shall provide support to the implementation of the NAIADES action programme
- PLATINA is organised around the five NAIADES action areas
- Strategic guidance by key industrial stakeholders, Member States administrations, associations and river Commission (Steering Committee)
- Started in June 2008, 1st Steering Committee meeting October 2008

● River Information Services (1)

- River Information Services means harmonised information services to support traffic and management in inland navigation enhancing safety, security, environmental friendliness and the quality of transport services

River Information Services (2)



© via donau 2005, based on PIANC RIS Guidelines 2004

River Information Services (3) - Examples

Fairway Information



Notice to skippers

A new Notice to Skippers of Štátna plavebná správa is available for the Dunaj River, the Dunaj River, the Dunaj River in Slovakia in the original language Slovakian, which has been compiled by Štátna plavebná správa.

The fairway and traffic related message no 72/01 in the year 2005,

Concerning Blockage caused by Work is valid between 30 September 2005 and 4 October 2005 for All in All directions.

from 30 September 2005 until 4 October 2005 between 07:00 o'clock and 11:00 o'clock following limitation is valid for the River Dunaj, Strom-km 1862.0 bis 1862.0: Partial obstruction along the Left of the fairway.

from 30 September 2005 until 4 October 2005 between 13:00 o'clock and 18:00 o'clock following limitation is valid for the River Dunaj, Strom-km 1862.0 bis 1862.0: Partial obstruction along the Left bank of the fairway.

from 30 September 2005 until 4 October 2005 between 07:00 o'clock and 11:00 o'clock following limitation is valid for the River Dunaj, Strom-km 1865.0 bis 1865.0: Blockage along the All of the fairway.

from 30 September 2005 until 4 October 2005 between 13:00 o'clock and 18:00 o'clock following limitation is valid for the River Dunaj, Strom-km 1865.0 bis 1865.0: Blockage along the All of the fairway.

Additional text in national language: V uvedených časových intervaloch bude zastavená plavba na danom úseku Dunaja z dôvodu odstraňovania plavebnej prekážky- nánosu v strede plavebnej dráhy. Práca bude vykonávaná plávajúcim strojom BD Považie, ktorý bude označený optickou signalizáciou.



RIS Message

A new RIS message of BMVIT is available for the in Austria in 12.09.2005 at 13:41.

The fairway and traffic related m

published by the Schiffsfahrtsaufsicht Hainburg concerning Dre... There exists a/an Additional duty to report via VHF 16, Bagger DREI GEBRUEDER.
On Workdays from 19.09.2005 until 21.10.2005 between 05:00 o'clock and 20:00 o'clock following limitation is valid for the Fairway Donau Strom-km 1879.1 to 1892.1: No passing. On Workdays from 19.09.2005 until 21.10.2005 between 05:00 o'clock and 20:00 o'clock following limitation is valid for the Fairway Donau Strom-km 1879.1 to 1892.1: No overtaking.

Additional text in national language:
Talfahrer haben bei Strom-km 1881 über UKW Schiffsfunk, Kanal 16, mit dem Baggerschiff "Drei Gebrueder" Kontakt aufzunehmen. Dies gilt Montag bis Freitag in der Zeit zwischen 05:00 und 20:00 Uhr.

Inland ECDIS/INEC

Notices to Skippers



● River Information Services (4) - Examples

- Tactical Traffic Information



Inland AIS and Inland ECDIS

● River Information Services (5) - Examples

- Traffic Management incl. Lock Management



Inland AIS, Inland ECDIS



- **From research, legislation to implementation
(1998 - ?)**

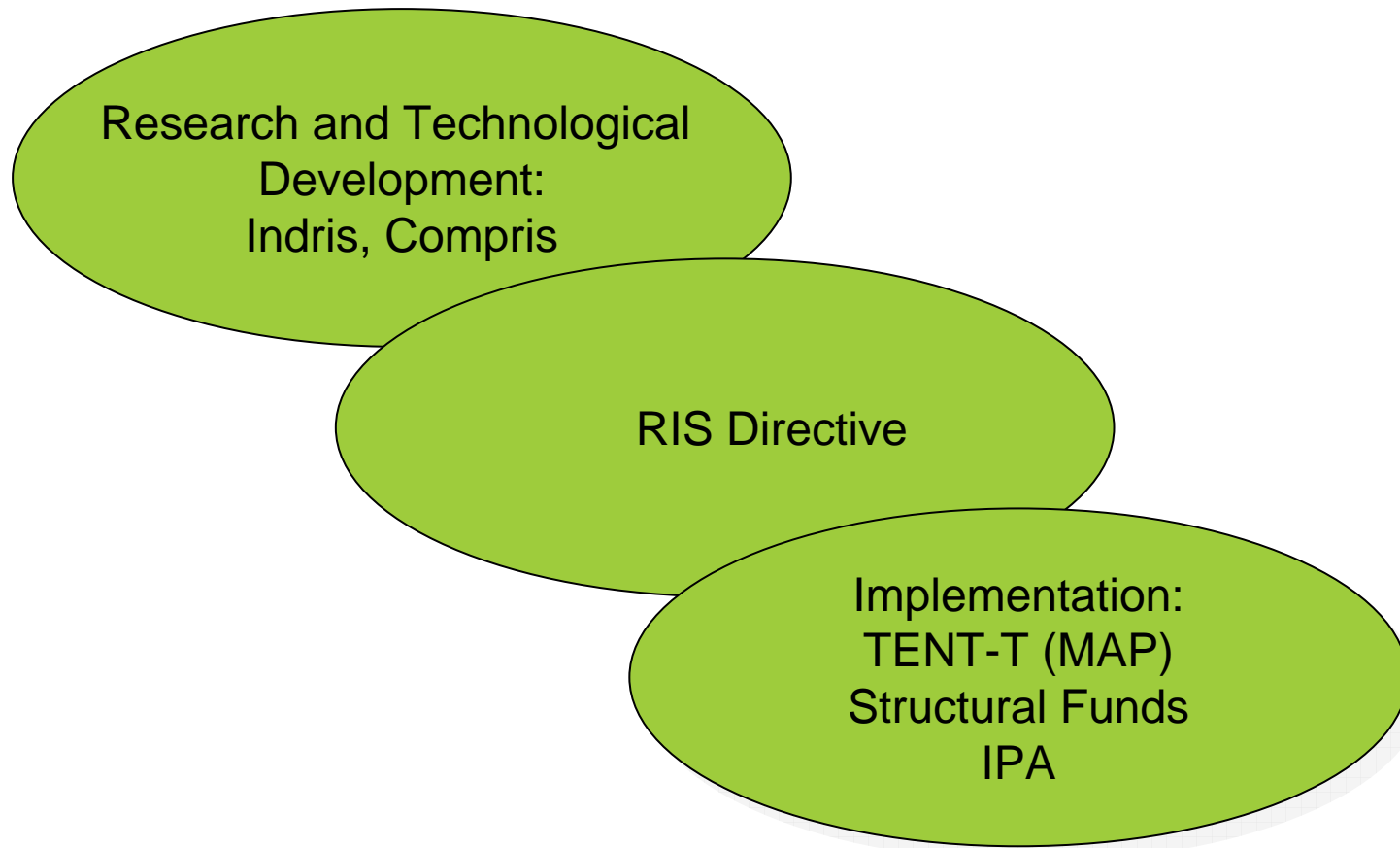
Research and Technological
Development:
Indris, Compris

● From research, legislation to implementation (1998 - ?)

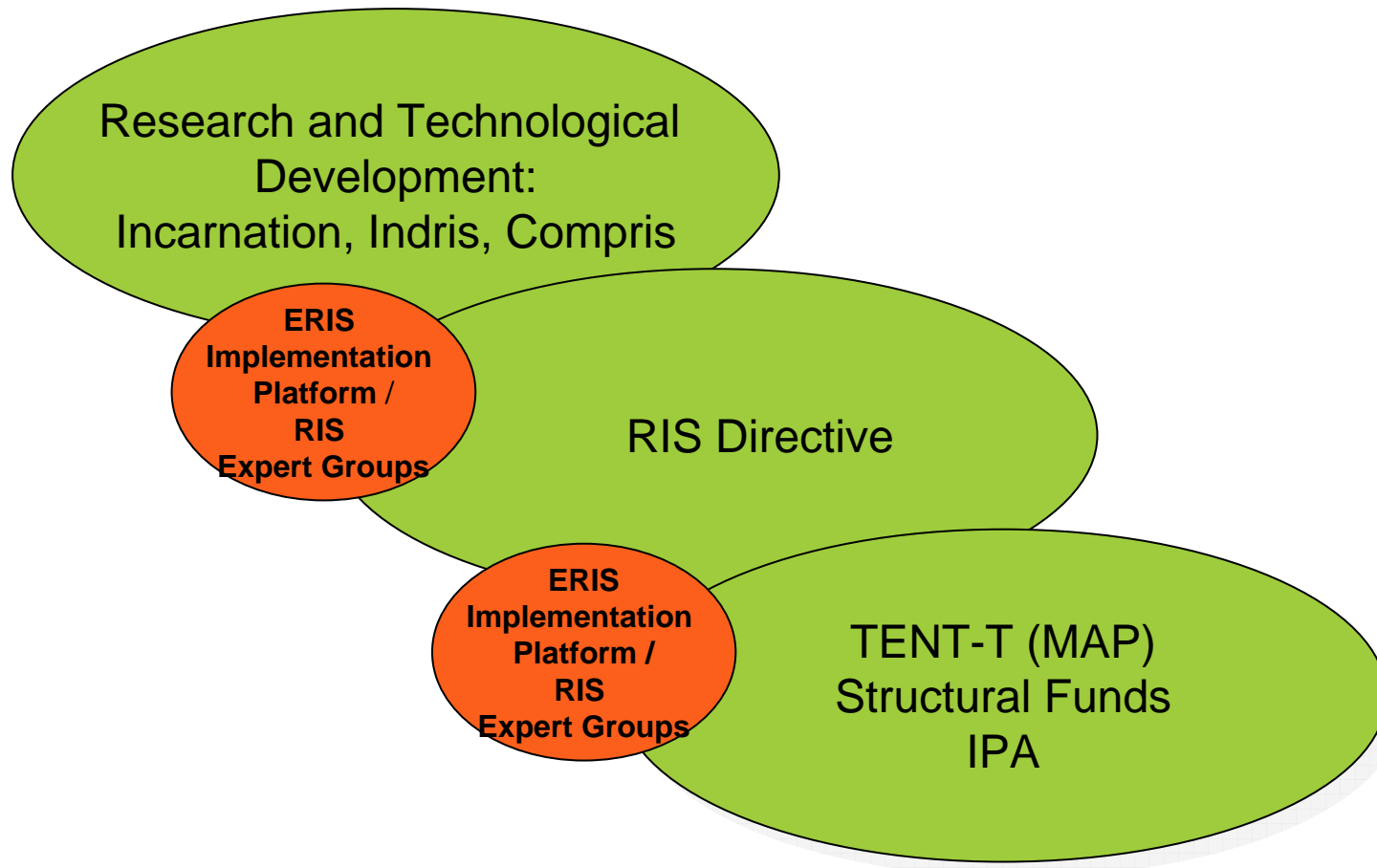
Research and Technological
Development:
Indris, Compris

RIS Directive

● From research, legislation to implementation (1998 - ?)



● From research, legislation to implementation (1998 - ?)



● Legal Basis (1)

Directive 2005/44/EC on harmonised River Information Services

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

- In force since: 20.10.2005



Legal Basis (2) - Purpose

- Establishment of a comprehensive framework for a harmonised and interoperable development and deployment of information services on the Community inland waterways to support traffic and transport management in inland navigation.
- Improve safety and efficiency in traffic on the inland waterways, but also enhance the efficiency, reliability and security of inland waterway transport in general.



Legal Basis (3) - Purpose

- The Directive supports the inland waterway transport sector in coming into line with modern developments in traffic information and communication systems, logistics and transport management, and thus facilitates the integration of inland waterway transport into the intermodal transport chain.
- The Directive establishes the obligations of Member States (having inland waterways linked to other Member States) and necessary measures in the case of the implementation of RIS and sets the principles for their development.

● Legal Basis (4) - Contents

- Scope
 - Definition of RIS services
 - Setting up of River Information Services – requirements for Member States
 - Technical guidelines and specifications
 - Electronic Chart Display and Information System for inland navigation (Inland ECDIS)
 - Electronic ship reporting
 - Notices to skippers
 - Vessel tracking and tracing
- ➡ leading to Commission Regulations
- Type-approval of RIS equipment

● Legal Basis (5) – Contents

- Competent authorities
- RIS Committee (Comitology)
- Transposition
- No Directive without annexes
 - » Data requirements
 - » Principles for RIS guidelines and technical specifications

● Legal Basis (6) – Comitology

- Under the Treaty establishing the European Community, the Commission is responsible for implementing Community legislation (Art. 202 of the EC Treaty)
- The scope of the implementing powers conferred on the Commission is specified by each legislative instrument
- Frequently, Community legislation provides that the Commission is to be assisted in the exercise of its implementing powers by a Member States Committee acting in accordance with a ‘committee procedure’
- Prior to adopting an implementing measure, the Commission must consult with the Committee

● Legal Basis (7) – Comitology

- The Committee enables the Commission to have a dialogue with the national authorities before adopting implementing measures
- Different types of procedures – Regulatory procedure
- Committees as well as the Commission can be assisted by working/expert groups
 - » **RIS Expert groups**
 - Notices to Skippers
 - Inland ECDIS
 - Vessel Tracking and Tracing
 - Electronic reporting

● Legal Basis (8) – Commissions regulations in force

- COMMISSION REGULATION (EC) No 414/2007 of 13 March 2007 concerning the technical guidelines for the planning, implementation and operational use of river information services (RIS)
- COMMISSION REGULATION (EC) No 415/2007 of 13 March 2007 concerning the technical specifications for vessel tracking and tracing systems – Inland AIS
- COMMISSION REGULATION (EC) No 416/2007 of 22 March 2007 concerning the technical specifications for Notices to Skippers

● Legal Basis (9) – Commission Regulations upcoming

- [Draft] Commission Regulation (EC) No. [.../...] of [...] concerning the technical specifications for Inland ECDIS (Inland Electronic Chart Display and Information System) – publication planned for end March/April 2009
- [Draft] Commission Regulation (EC) No. [.../...] of [...] concerning the technical specifications for electronic ship reporting in inland navigation – publication planned for end March/April 2009

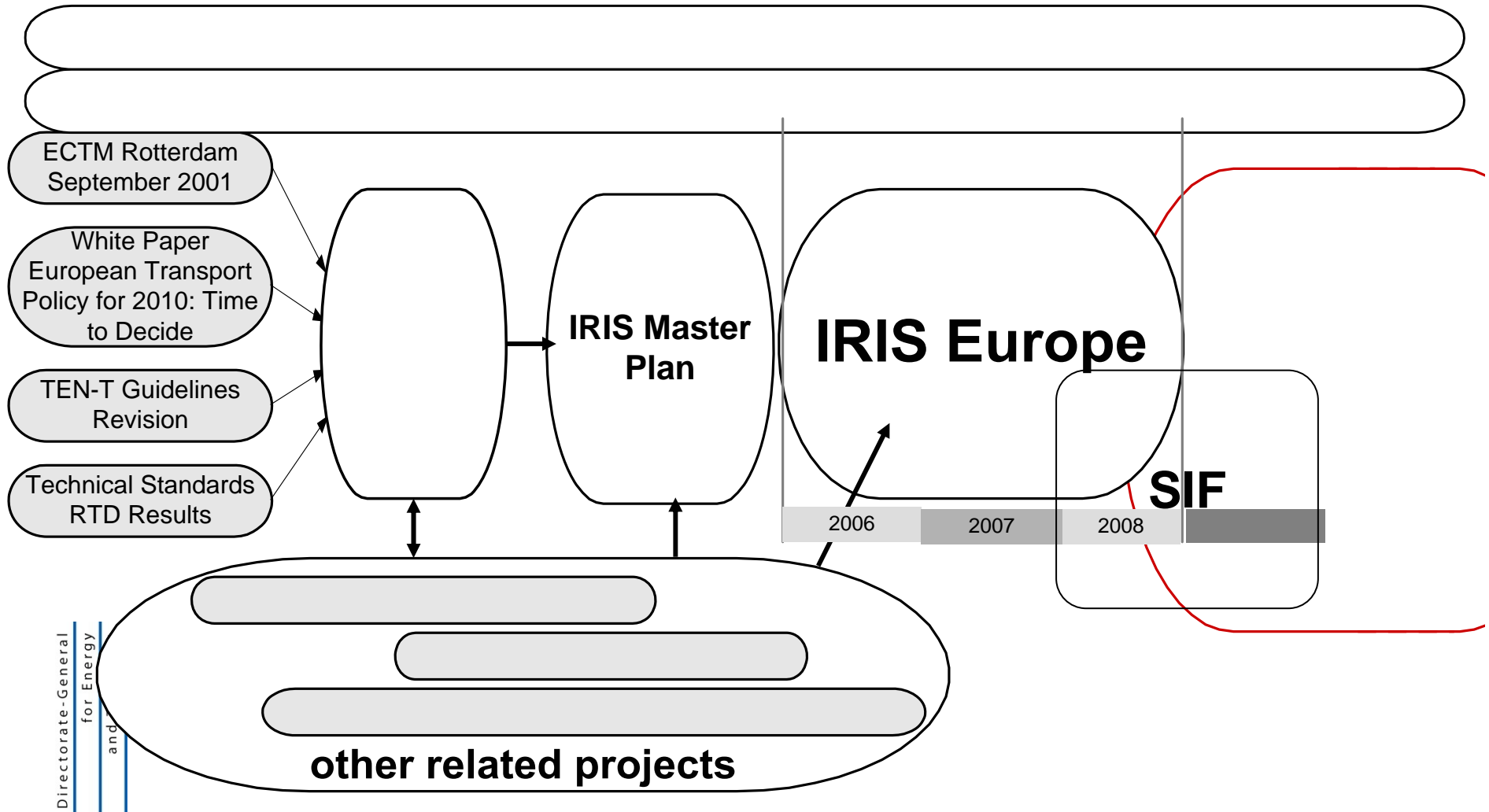
● Legal Basis (10) – Amendments in preparation

- As a general rule in order to create legal security, amendments only every 2 to 3 years
- [Draft] Commission Regulation (EC) No. [.../...] of [...] amending **COMMISSION REGULATION (EC) No 415/2007** of 13 March 2007 concerning the technical specifications for vessel tracking and tracing systems – **Inland AIS** – publication planned for April/May 2009
- [Draft] Commission Regulation (EC) No. [.../...] of [...] amending **COMMISSION REGULATION (EC) No 416/2007** of 22 March 2007 concerning the technical specifications for **Notices to Skippers** – publication planned for April/May 2009

● Legal Basis (11) – Other issues

- AIS test standard as prepared by the Vessel Tracking and Tracing expert group and approved by the CCNR
- Was presented to the RIS Committee and in principle welcome by the Member States
- However, the Commission is pursuing the policy of ‘conformity assessment procedures’, whilst there are currently some exemptions
- Under discussion between the Commission services – pending topic

RIS Implementation (1)



Directorate-General
for Energy
and



● RIS Implementation (2) – TEN-T

- IRIS Masterplan

- » Scope

- Addresses all EU Member States and Danube countries (including Bulgaria and Romania as well as Croatia, Serbia-Montenegro and Ukraine)

- » Objectives

- Co-ordinated implementation of RIS in Europe
- Inventory of RIS activities at national level
- Synchronisation of national projects
- Overview of investment needs

➔ paving the way for RIS in MAP

● RIS Implementation (3) – TEN-T

● IRIS Europe

- » Partners: Austria, Slovakia, Hungary, The Netherlands, Belgium, France, Duration: 01/2006 – 12/2008
- » Objectives:
 - Pilot implementation of the RIS Directive and of additional RIS services
 - Harmonisation of services
 - Cross-border co-operation of the national authorities
 - Electronic reporting, AIS, Hull database
- » Technical and administrative agreement (TAA)
 - Legal basis for international data exchange
- » RIS Data Exchange Reference Documentation
 - Description of technical solution for international data exchange with relation to user access rights, processes and XML messages and technical description of interface
 - Regulate interface among RIS Centres
 - Serve as annexes to the TAA

● RIS Implementation (4) – TEN-T

- SIF (Services Informations Fluviales)
 - » AIS Infrastructure, Tracking and Tracing
 - » Exchange of AIS information with sea ports
 - » Electronic Reporting implementation
 - » Exchange of voyage and cargo information between France and Belgium

● RIS Implementation (5) - TEN-T (MAP)

- Financial Framework 2007 – 2013
- RIS as part of the multi-annual programme (MAP) of TEN-T
 - » budget allocated to RIS = 50 m€
 - » co-funding up to 20% for works, 50% for pilot studies
- Three calls planned (indicative) – 2008, 2009, 2010
- 1st call for proposals closed in June 2008
 - » Indicative budget allocated to 1st call = 15m€
 - » positive response to the call
 - » results will be presented to the Member States Committee on 19 November 2008

● RIS Implementation ⁽⁶⁾ - TEN-T (MAP)

- Objectives and priorities - general
 - » To foster the deployment of RIS enabling intelligent infrastructure and the provision of RIS both in a harmonised and interoperable way

● RIS Implementation (7) - TEN-T (MAP)

- Objectives and priorities - technical
 - » Installation of on-board equipment and of shore-based infrastructure
 - » Testing and validation of the technical feasibility, interoperability and compatibility of systems, services and applications

● RIS Implementation ⁽⁸⁾ - TEN-T (MAP)

- Objectives and priorities – technical ^(cont.)
 - » Further enhancement and fine-tuning of RIS technologies/systems, services and applications
 - » Provision of feedback and contribution to the maintenance and amendment of the technical specifications

● RIS Implementation ⁽⁹⁾ - TEN-T (MAP)

- Objectives and priorities – organisational or legal
 - » Clarification of responsibilities and tasks among the relevant authorities
 - » Further development and application of concepts such as for cross border data exchange as well as of related technical and administrative agreements

● Next to come ⁽¹⁾ - RIS

- As requested by the RIS Directive, the Commission is preparing a Progress Report on the status of implementation of RIS in the Member States
- There needs to be also some assurance that the technical specifications are correctly applied, that RIS are interoperable...

● Next to come (2) - PLATINA

- PLATINA will support the work of the expert groups as well as the implementation of RIS
- Tasks are e.g.
 - » RIS Community Portal
 - » Reference data management and maintenance
 - » Hull Database
 - » Quality Assurance
 - » Workshops, e.g. XML
 - » Dissemination
 - »



Next to come (3)

– Research and technological development -

● RISING

- » Exploit RIS Services and data for logistics purposes
- » Better integrate IWT into logistics chains
 - **planning** processes (e.g. route planning, vessel and barge scheduling, voyage planning, total transport chain planning, fleet optimisation, infrastructure optimisation), and
 - **execution and monitoring** processes (e.g. ETA updates, Tracking and tracing,CEM) processes of commercial actors



● Next to come (4) – Policy

.....last but not least.....

- Revision of TEN-T guidelines (indicative)
 - » TEN-T conference in October 2008 – waterborne workshop incl. RIS – future focus
 - » Green Paper on TEN-T expected for January 2009
 - » Actual revision of the TEN-T guidelines 2009 / 2010

● **Thank you for your attention**



Astrid Schewing
astrid.schewingl@ec.europa.eu
European Commission, DG Energy and Transport
Unit B 4 - Inland waterways, motorways of the sea & Marco Polo
http://ec.europa.eu/transport/iw/index_en.htm