

# Europese mijlpalen en projecten

*De weg van  
River Information Services  
naar  
Smart Shipping*

*Cas Willems*



Smart Atlantis

# Agenda

- We missen ze
- De RIS tijdlijn
- Onderzoeksprojecten
- RIS directive
- Implementatie RIS technologieën
- Corridor management

Thanks to Mario Sattler (EC/viadonau)

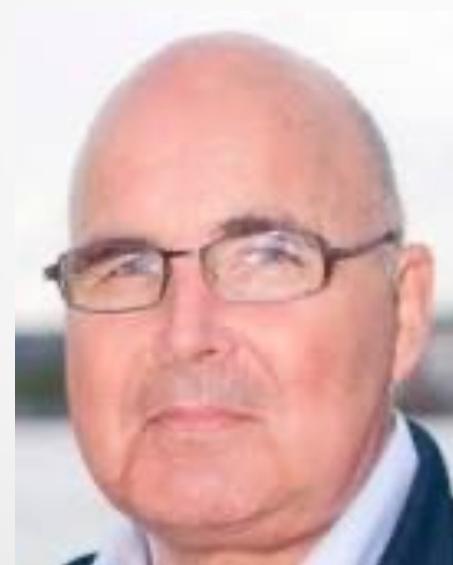


Smart Atlantis

# We missen ze



Piet Nefkens



Robert Scherbier



Jos van Splunder

Mr. BICS

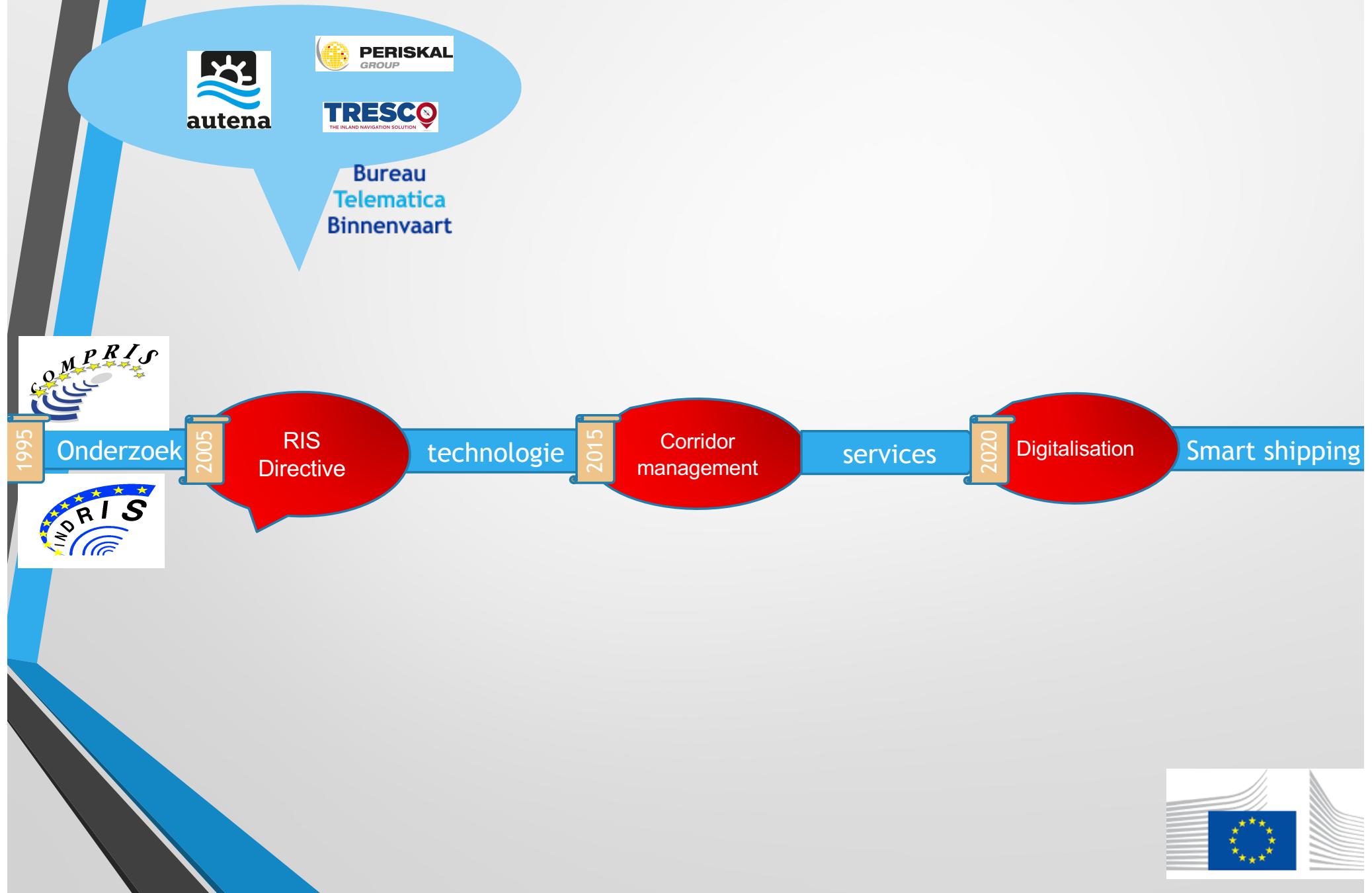


Cees Glansdorp



Henk Regelink

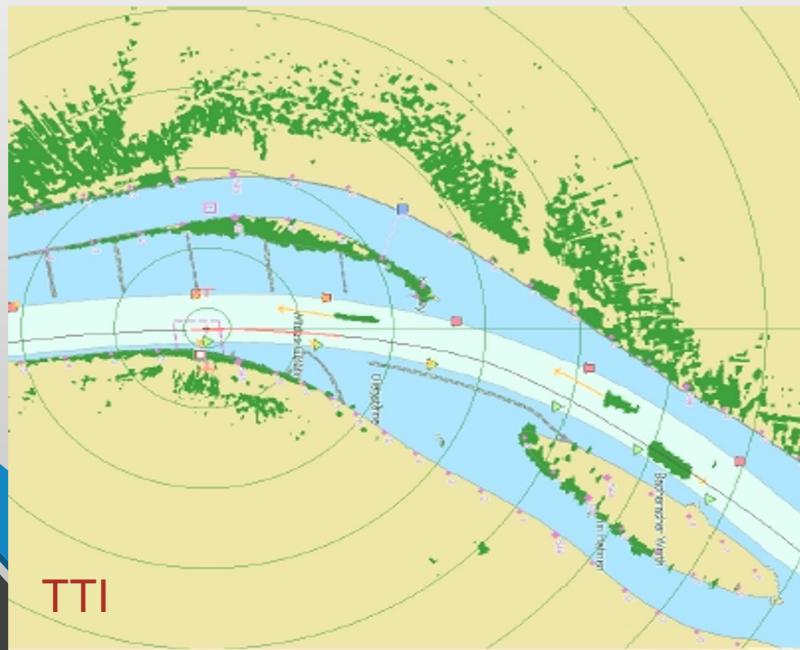
# Tijdlijn RIS gerelateerde ontwikkelingen



# Europese onderzoeksprojecten

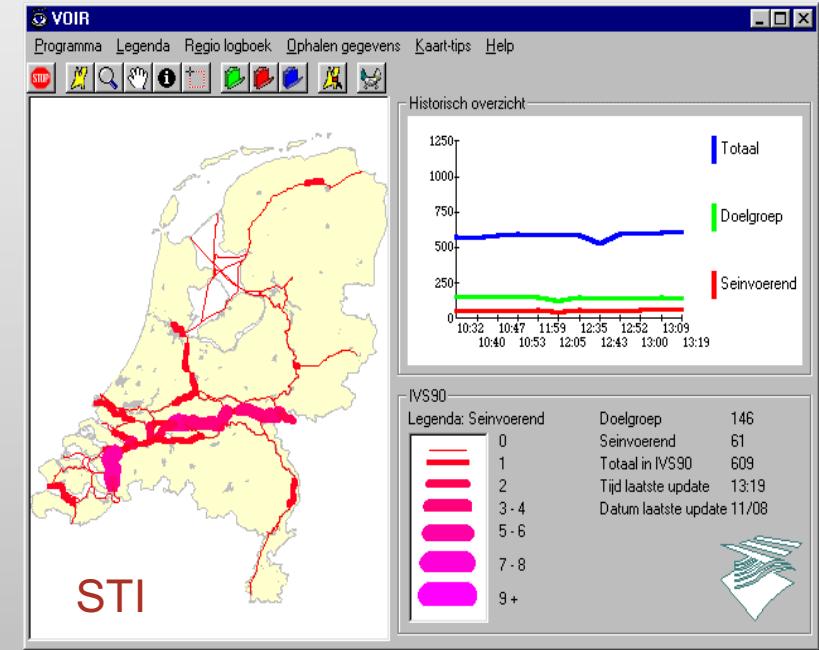
## INCARNATION (1995 - 1997)

- Walradar aan boord
- Oorsprong van de naam RIS

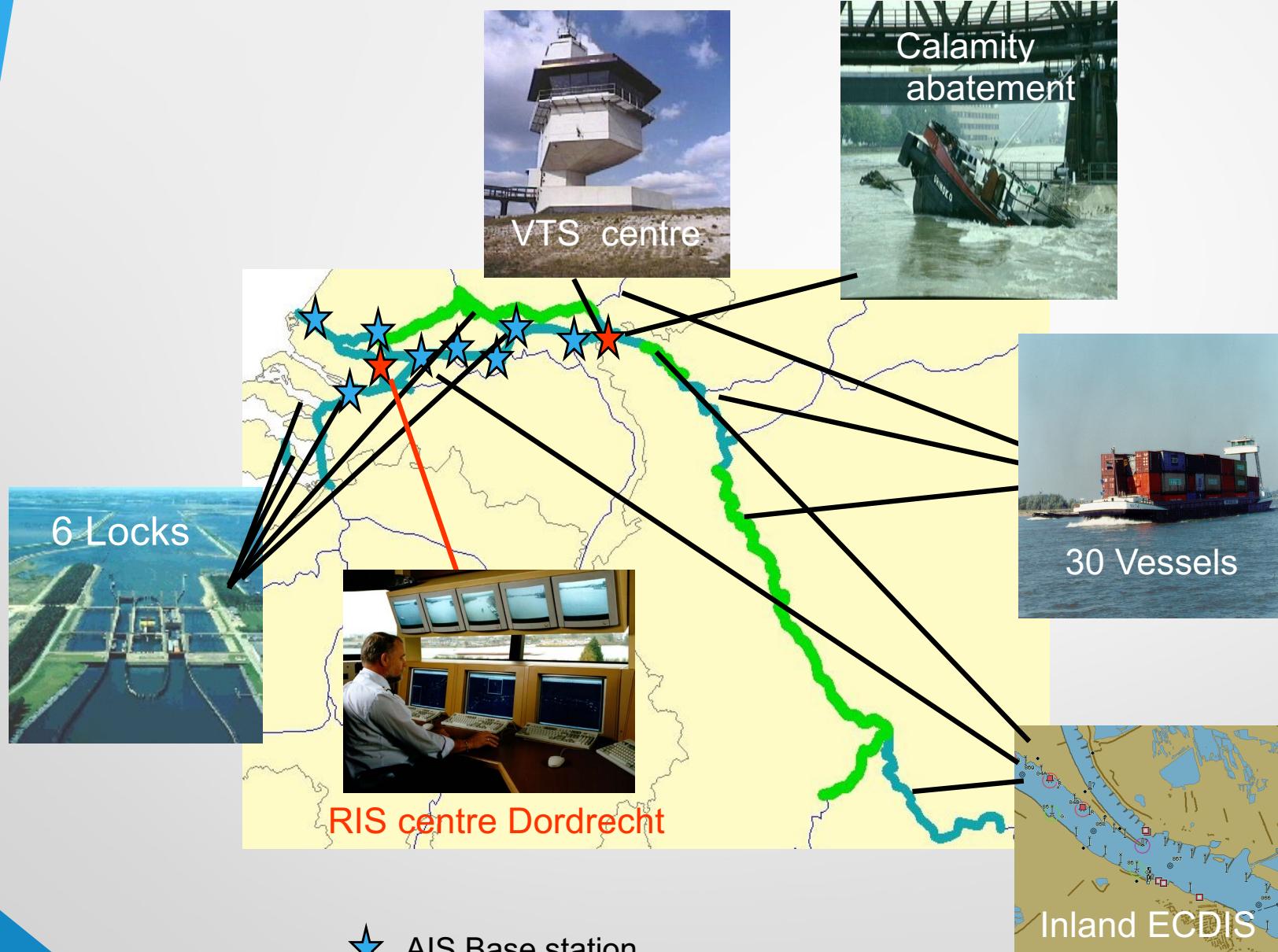


## INDRIS (1998 - 2000)

- Eerste RIS concept uitgewerkt met FIS, TTI en STI
- Demo's in Oostenrijk, Frankrijk, België en Nederland
- Eerste Europese AIS netwerk van Rotterdam - Lobith



# INDRIS Rhine-Scheldt Demonstrator



★ AIS Base station

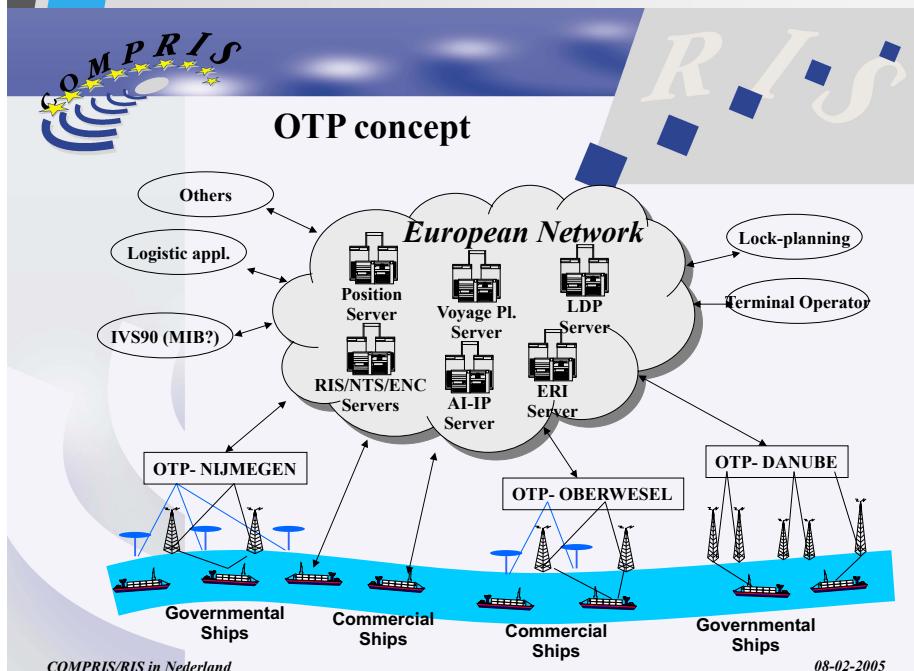
★ AIS VTS Base station

May 2000

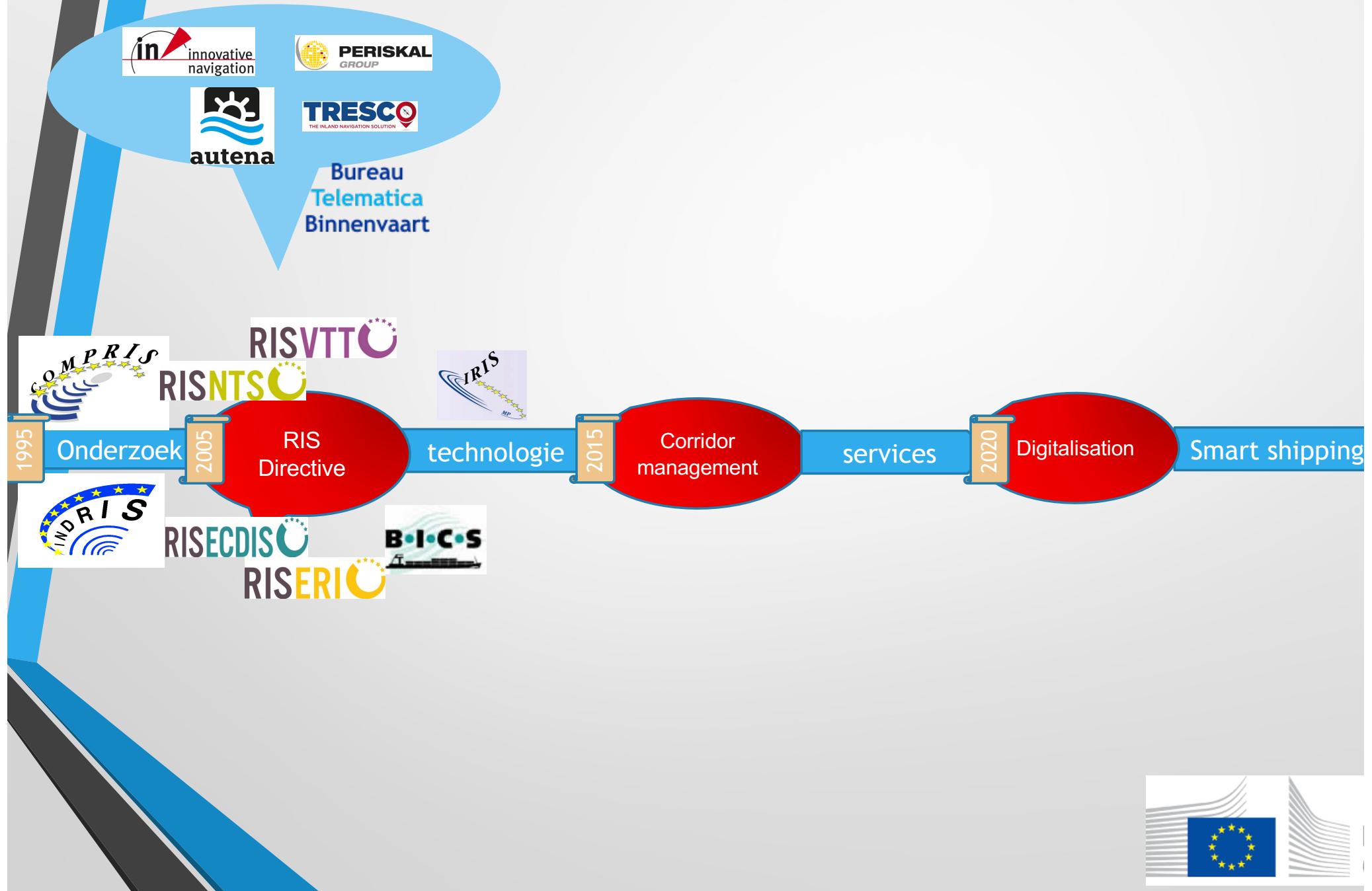
# Europese onderzoeksprojecten

## COMPRIS (2002 - 2004)

- Volledige uitwerking van RIS
- Overal in Europa demonstraties van de potentie van RIS
- Aanzet voor RIS directive en RIS standaardisatie



# Tijdlijn RIS gerelateerde ontwikkelingen



# RIS Directive

River Information Services is het concept voor geharmoniseerde informatiediensten ter ondersteuning van **verkeer** en **transport** management in de binnenvaart, inclusief de interfaces met andere transport modes

## Commission Regulations

**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)**



vessel tracking & tracing system (**Inland AIS**)

**Notices to Skippers (NtS)**

**electronic ship reporting (ERI)**

**Inland ECDIS**

**RISVTT**

Expert Group  
Tracking & Tracing

**RISNTS**

Expert Group  
Notices to Skippers

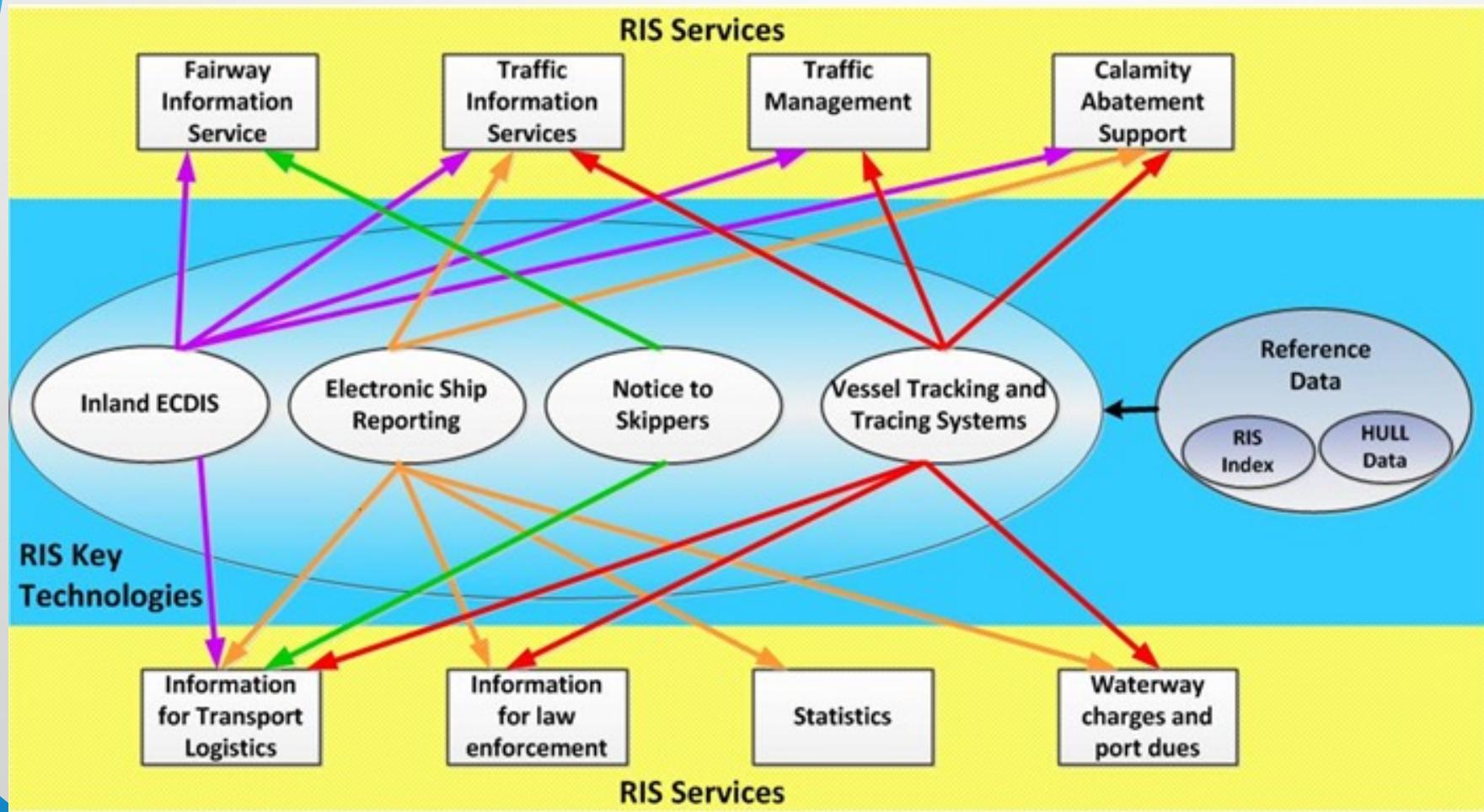
**RISERIO**

Expert Group  
Electronic Reporting  
International

**RISECDIS**

Expert Group  
Inland ECDIS

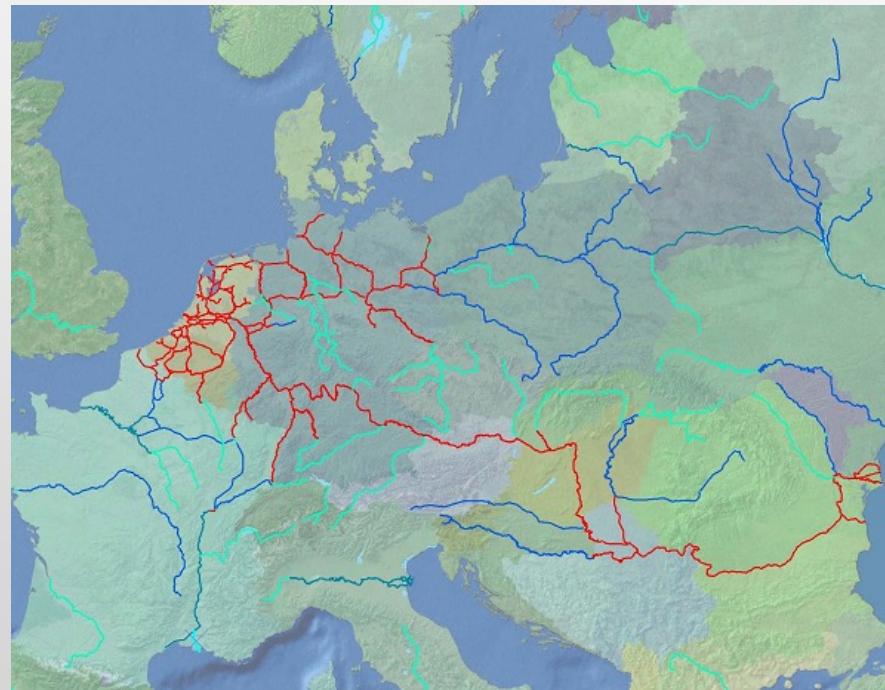
# RIS-diensten versus RIS-technologie



# RIS Directive

Voor vaarwegen klasse IV en hoger met internationale verbindingen:

- Minimum set aan elektronische vaarweggegevens voor o.m. reisplanning
- Inland ENC's beschikbaar te stellen door vaarwegbeheerders
- Berichten aan de scheepvaart volgens NtS-standaard
- Elektronische meldingen kunnen ontvangen voldoend aan ERI standaard
- Bij keuze voor automatisch melden en volgen dan geldt de verordening tracking and tracing (inland AIS)



# Implementatie technologie



- Europees RIS Platform & IRIS Masterplan
- IRIS Europe - pilotprojecten

PannonRIS  
RIS in Hungary is provided by RSOE - Budapest Phone: +36-1/469-4164, Fax: +36-1/469-4167, Mobile: +36-20  
Water levels: Dunaremete: 8

Notices to Skippers on the National Transport Authority website

Periskal INLAND ECDIS Viewer 8.5.7 Inland Navigation version Scale 1:20000 Orientation: 0.0°

Chart Screen Navigation Tracks Waypoints Remarks NTS RIS AIS Routeplanning Settings Help

Screen Navigation Waypoints Remarks Symbols Simulation

Plan Monitor Std Ais Ais

Scale

French Authority

Wallonia Authority

Position Server

FR

Hull Database Server

Access rights

Access rights

Access rights

Access rights

Dutch Authority

Flemish Authority

BE

BE

NL

RIS Data Exchange Reference Documentation

Data gateway

AIS ERI Hull others

RIS-centre A

Data gateway

AIS ERI Hull others

RIS-centre B

Data gateway

AIS ERI Hull others

RIS-centre C

1106.2

IRIS Europe layer

IRIS WLM Service

Object Info

Info GPS info

Lat: 43° 52.486' N

Lon: 25° 58.074' E

SOG: 0.0 Km/h

COG: 123.5°

HEA: 173.9°

Blue sign: N/A

Measure

Depth

DPT: 5.03

Ref.: 0,00

Cursor

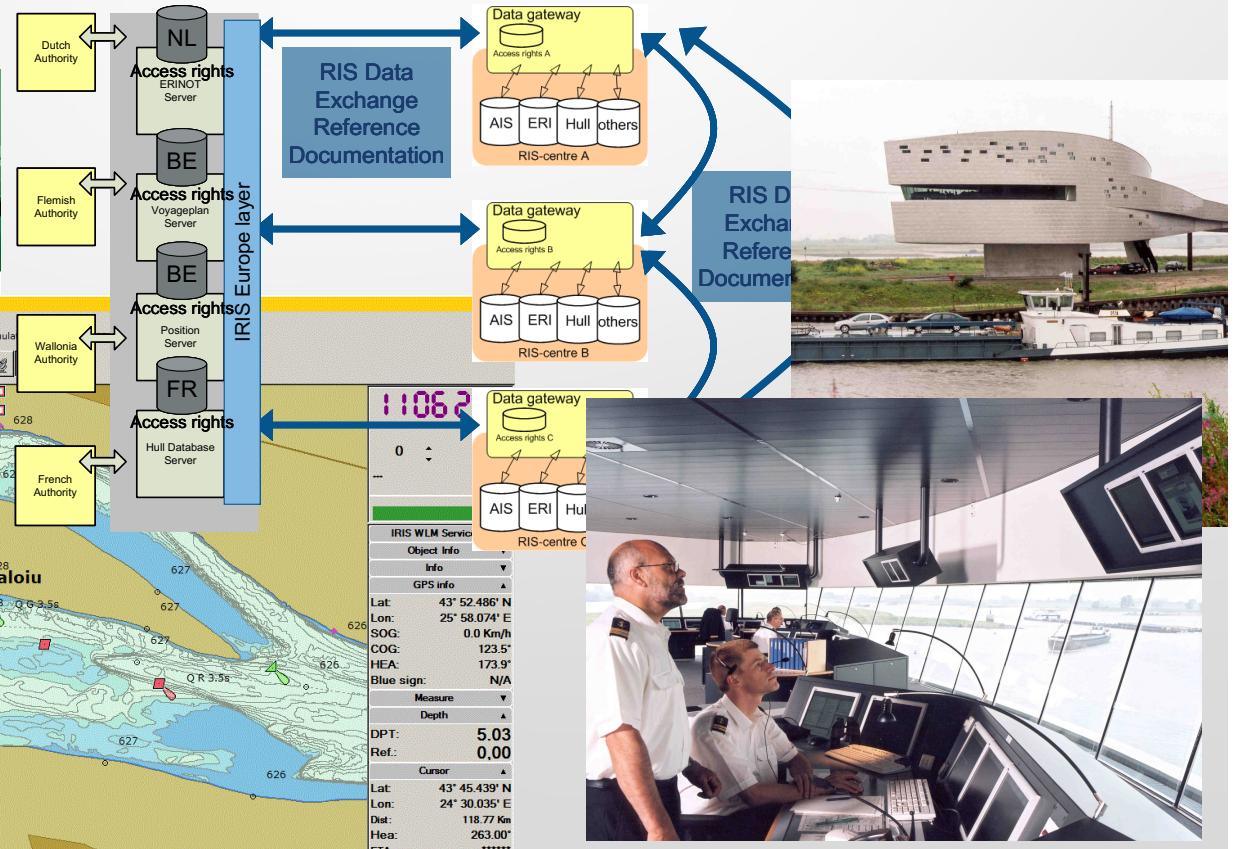
Lat: 43° 52.486' N

Lon: 25° 58.074' E

Dist: 118.77 Km

Hea: 263.00°

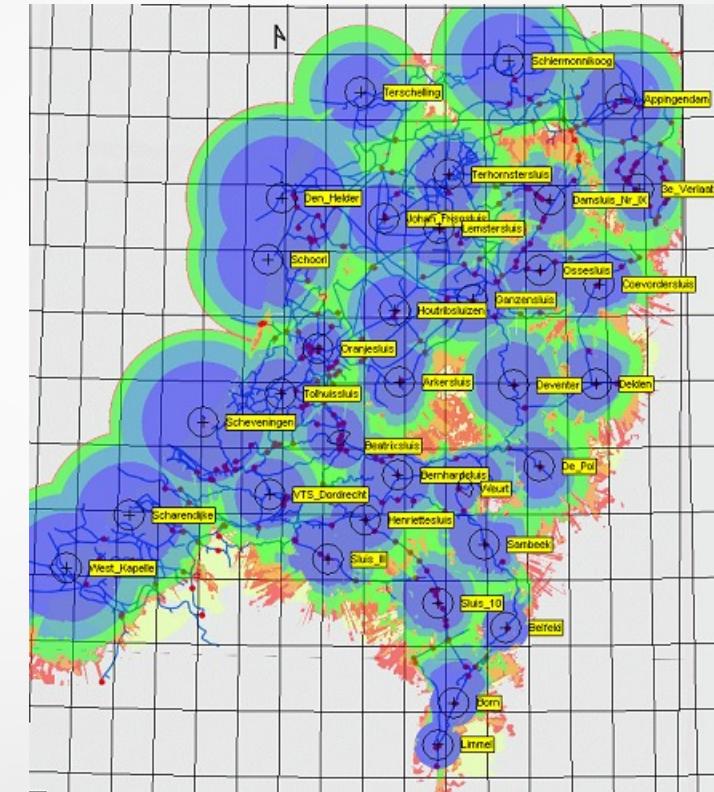
ETA: \*\*\*\*\*



# RIS nationale implementatie projecten



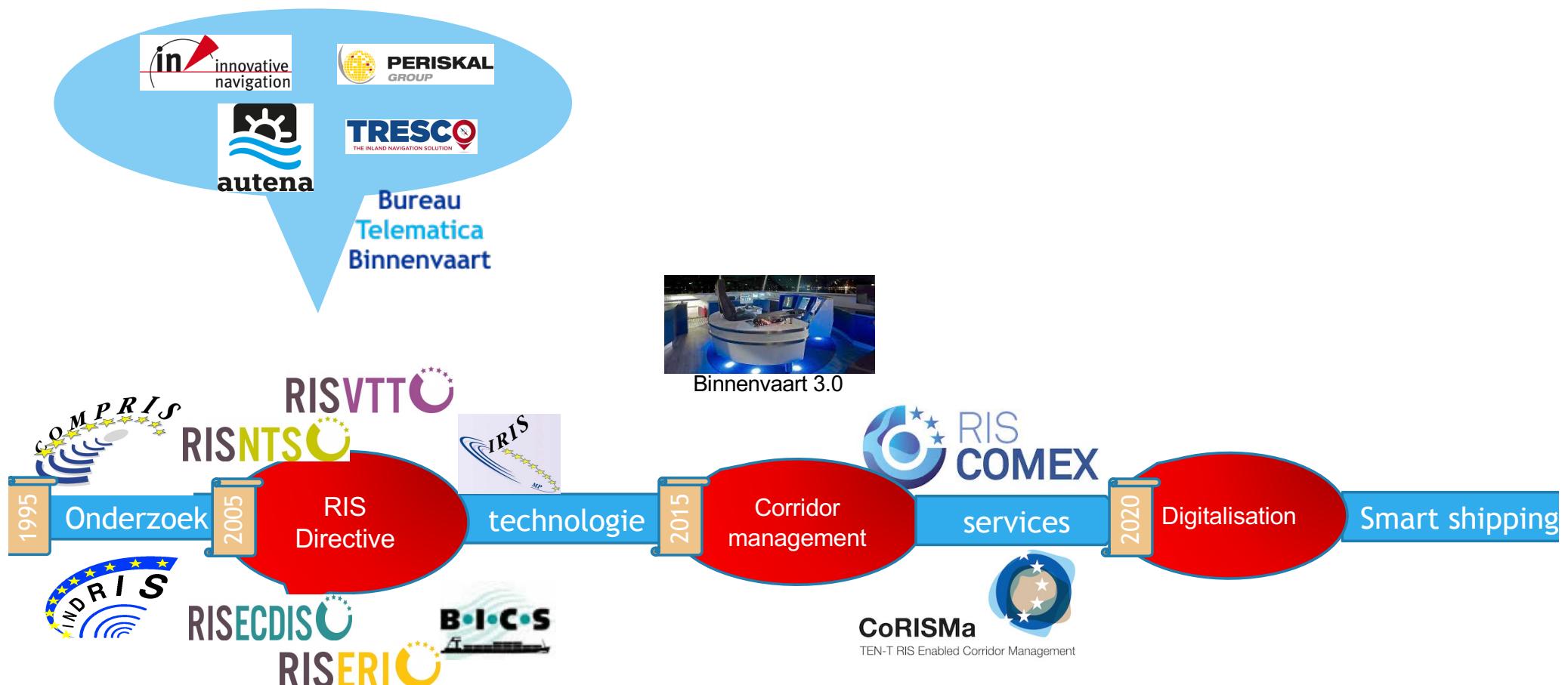
Subsidieregelingen voor AIS aan boord



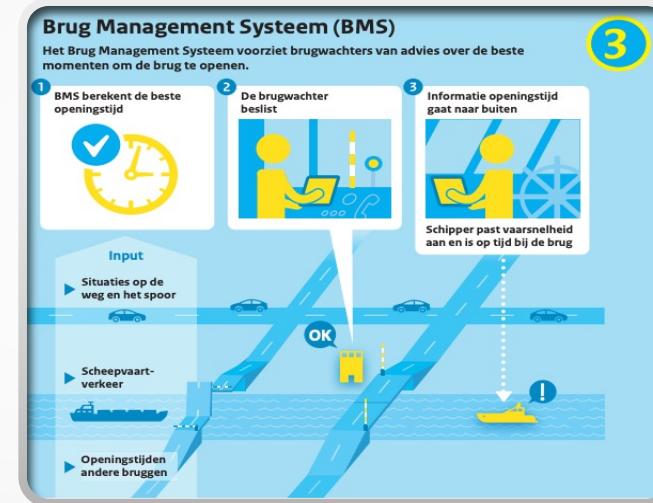
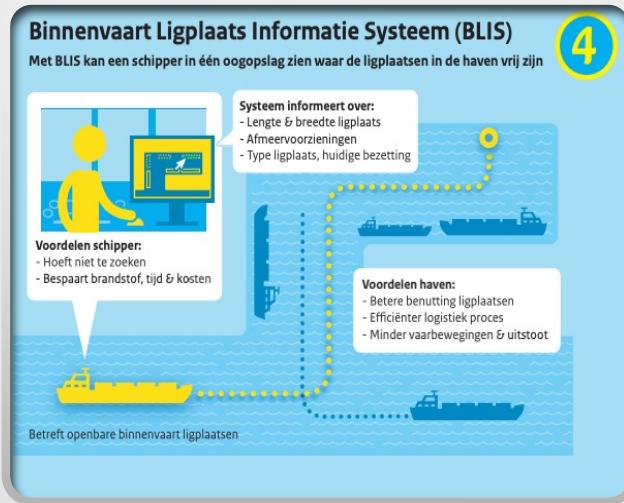
AIS network - DIAMONIS



# Tijdlijn RIS gerelateerde ontwikkelingen

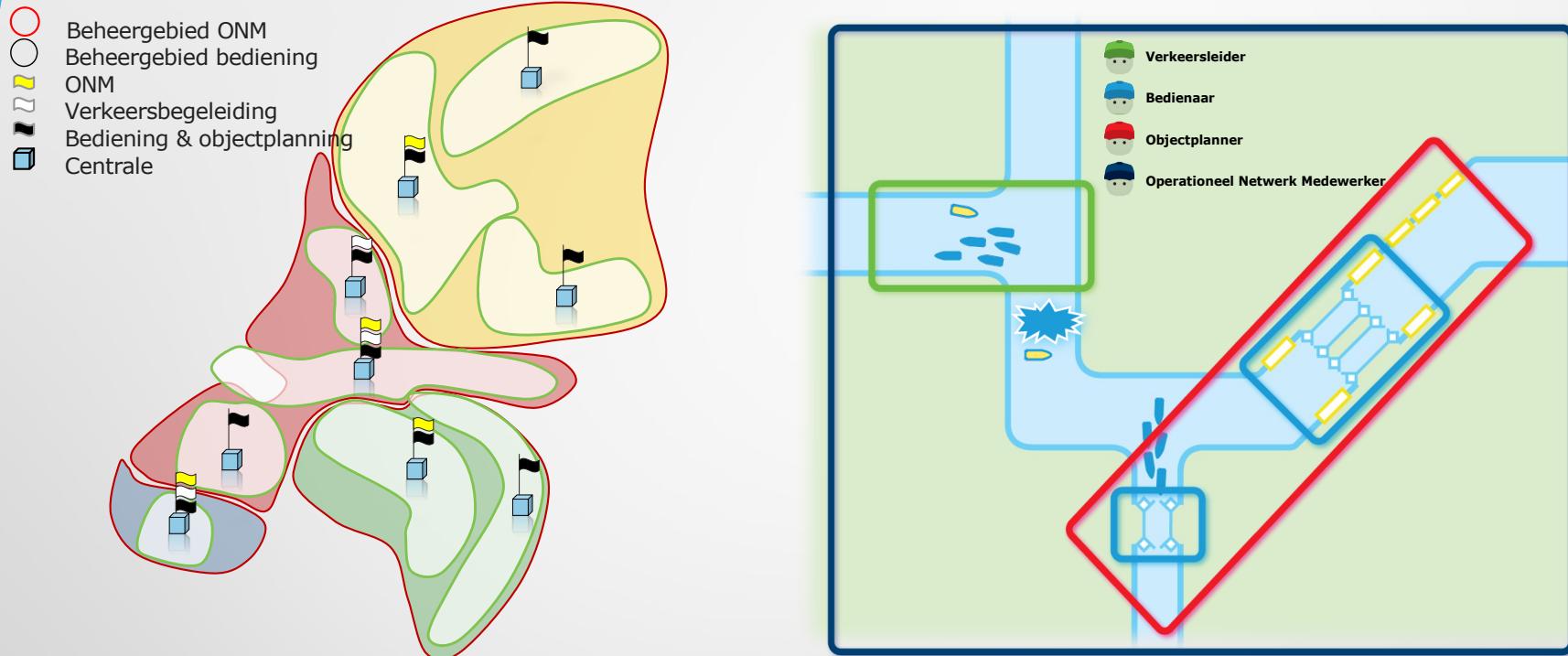


# Corridor management - “Blauwe Golf Verbindend”

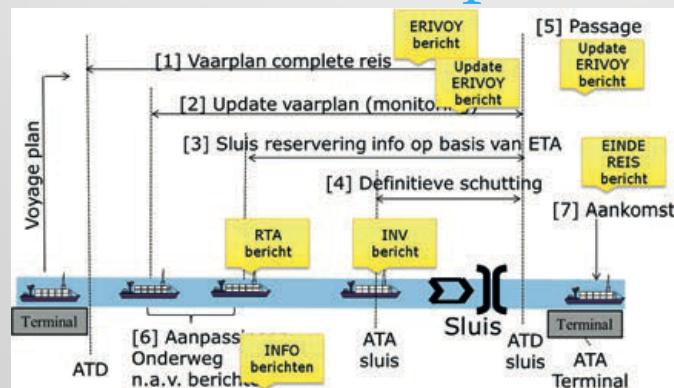


# Corridor gerichte Bediening en Begeleiding (CBB)

## Verkeerscentrale van Morgen (VCM)



## Interactieve reisplannerplanner



**TRESCO**  
THE INLAND NAVIGATION SOLUTION

**PERISKAL**  
GROUP

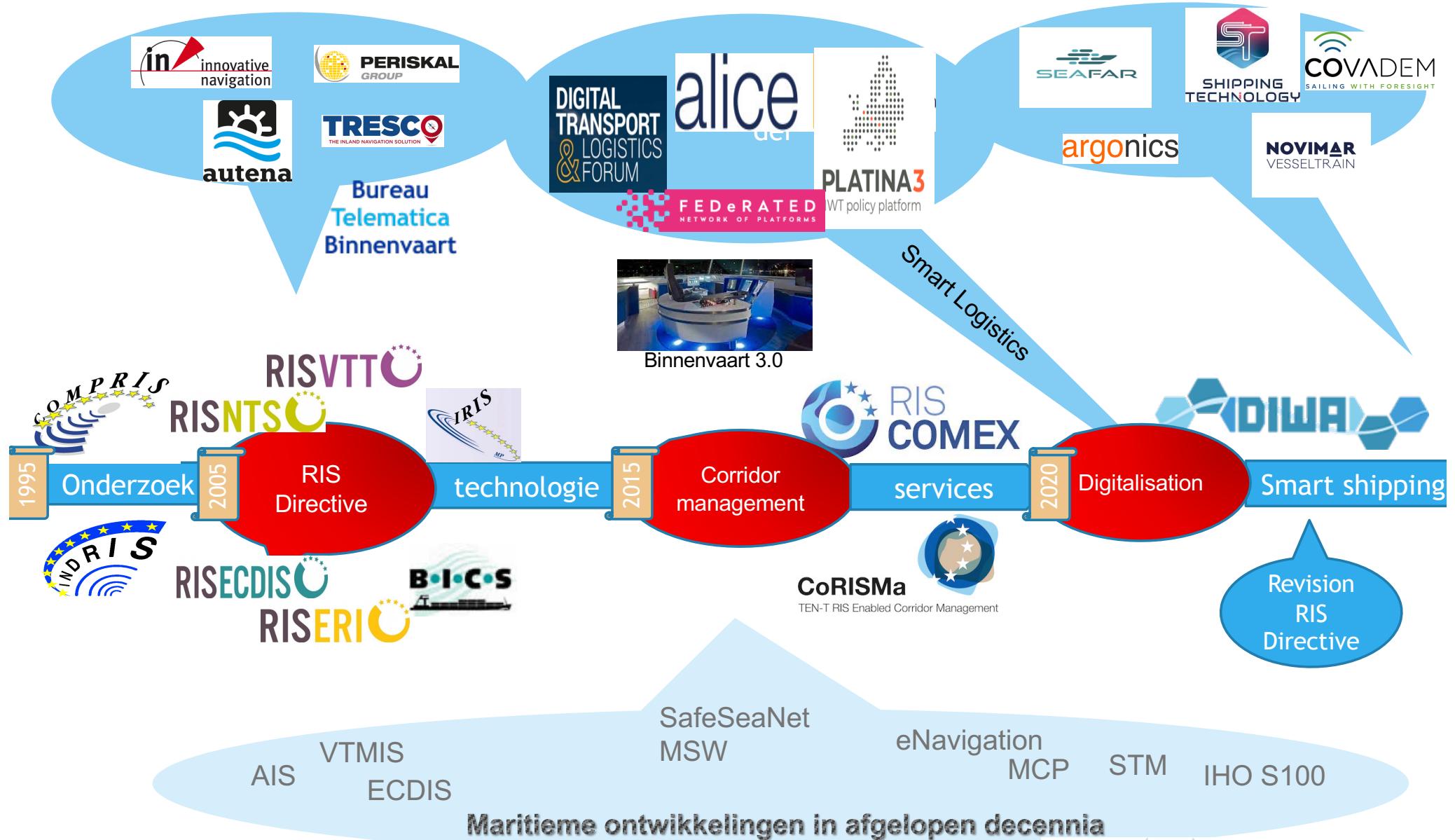
Bureau  
Telematica  
Binnenvaart

# Europees project CoRISMa

Defineerde drie niveaus van Corridor Management

1. Corridor Management is a service to enable reliable **route planning** by supplying - dynamic and static - **infrastructural information**
2. Corridor Management is a service to enable **reliable travelling times** for voyage planning and for traffic management, by providing **traffic information**:
  - taking into account the actual use of the waterway network (e.g. actual waiting times) and
  - taking in account predictions during a voyage (e.g predicted waiting times on the corridor) where considered reasonable
3. Corridor Management is a service to **support transport management** of the logistic partners (e.g. deviation management).

# Tijdlijn RIS gerelateerde ontwikkelingen



European  
Commission

A photograph of a lighthouse at night. The lighthouse is tall and dark, silhouetted against a dark blue, cloudy sky. Its light is on, casting a bright yellow glow from the top. Below the lighthouse is a large, multi-story building with several lit windows, showing a warm orange glow. In the foreground, there's a dark, flat landscape with some low hills in the distance. A few small lights are scattered across the ground.

Dank voor jullie aandacht