#### **Corridor management on Inland Waterways in Europe**

by Anneke Bosma

RIS week – Common Issues Meeting Lille





# **Topics**

- Status overview of the project
- Status of the pilots
- Next steps
- Discussion

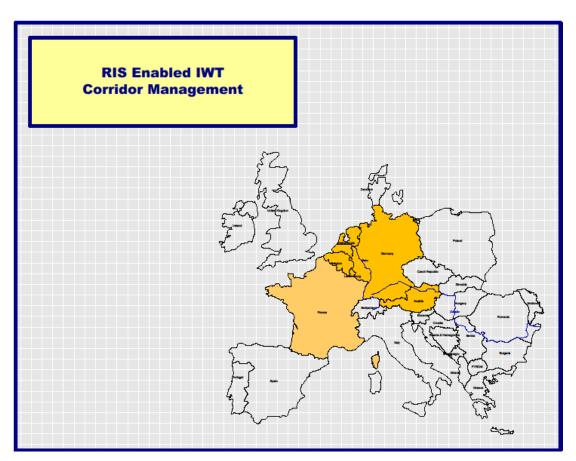


#### **Final Event CoRISMa**

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#### CoRISMa in a nutshell









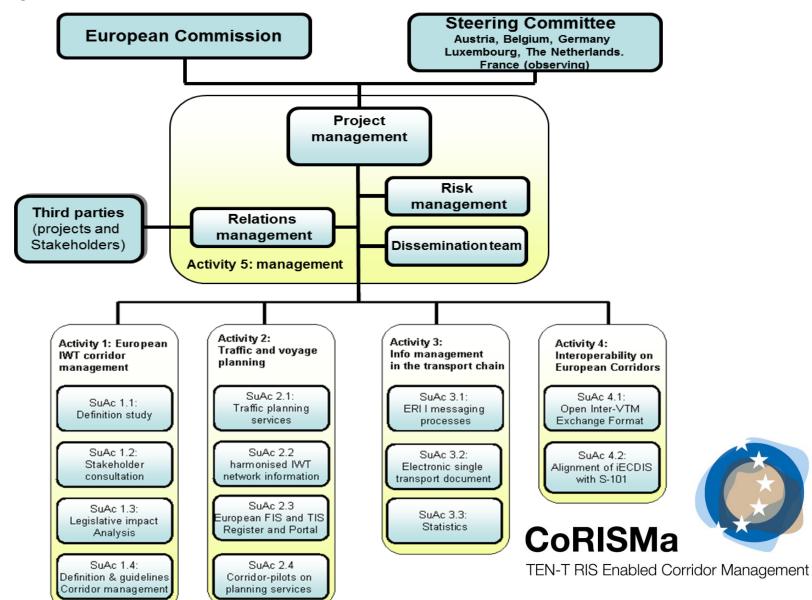


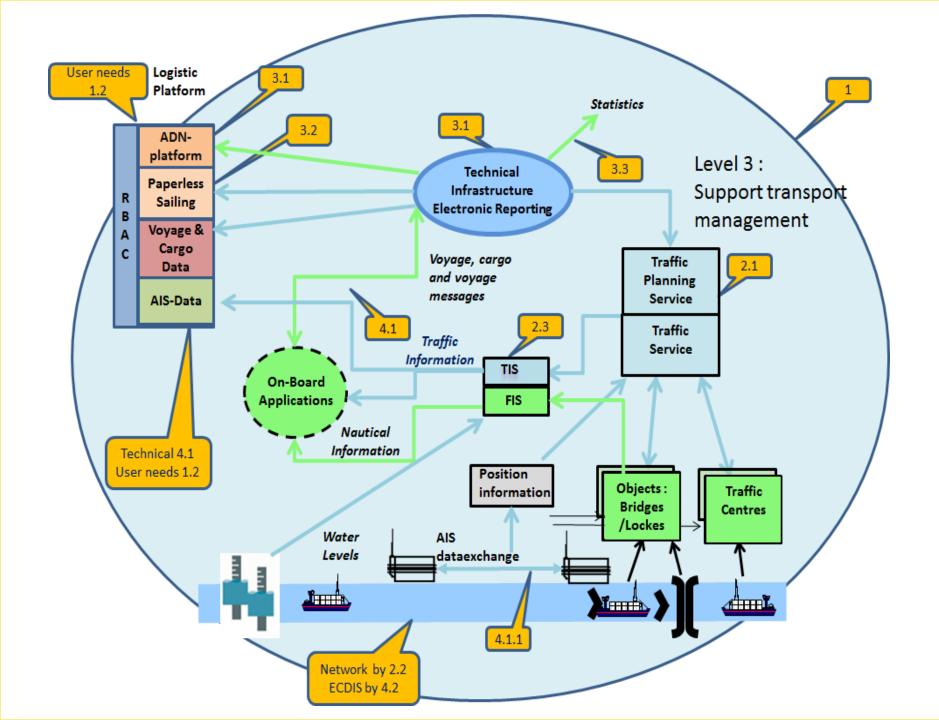




TEN-T RIS Enabled Corridor Management

# **Project outline**





#### SuAc 1.1 Definition study on European IWT Corridor Management

"Corridor Management is defined as information services among waterway authorities mutually and with waterway users and related logistic partners in order to optimise use of inland navigation corridors within the network of European waterways"



#### **Levels of 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
  - 2. 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).



#### SuAc 1.2 Stakeholder consultation

- Very positive support was received from stakeholders
- There is a need for harmonisation, cooperation and a need for adaptation of the IWT Sector with respect to transparency and customer orientation
- More discussions during the final event



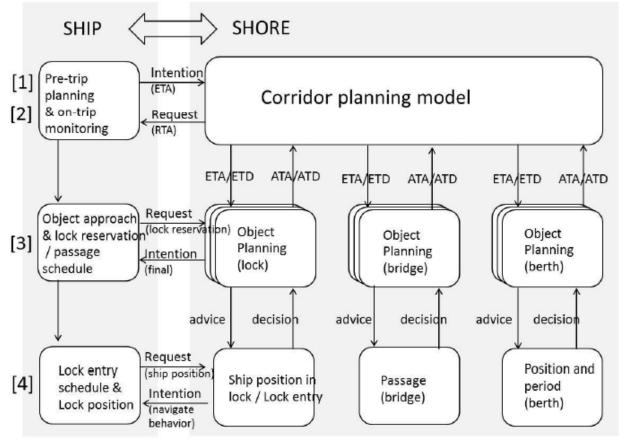
#### **SuAc 1.3 Legislative Impact Analysis**

- An overview of existing applicable legislation, for each of the member states involved, with commonalities and differences identified;
- The possible impact of the existing legislation on the collection, storing, handling and exchanging of specific information and data related to corridor management;
- The possible impact of the existing legislation on other activities related to corridor management;
- Possible required amendments of the applicable legislation to support and maintain a RIS-enabled European IWT corridor management.



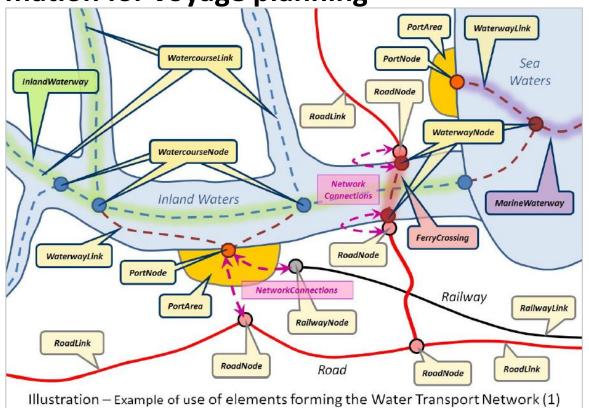
SuAc 2.1 Traffic planning services data model and data exchange

format



SuAc 2.2 Minimum set harmonized inland waterway network

information for voyage planning



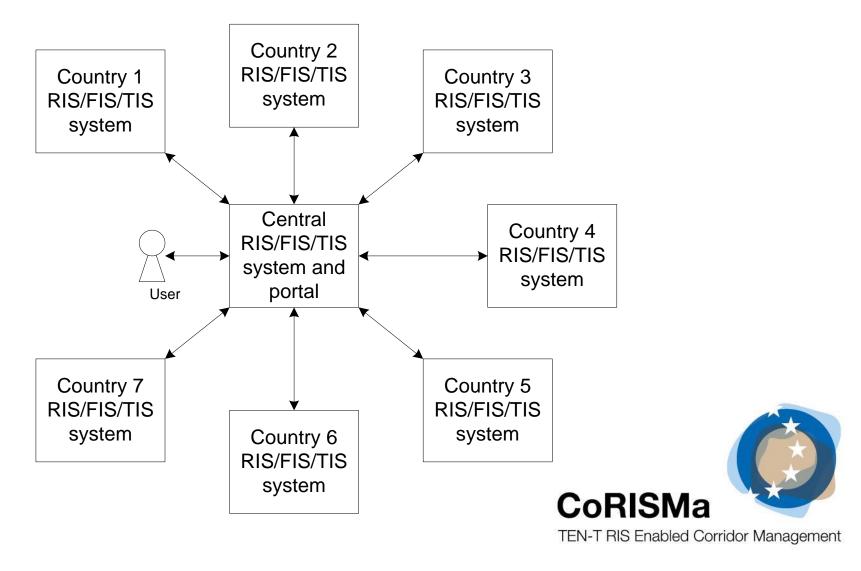
**CoRISMa** 

# SuAc 2.3 Functional and technical requirements study for a European FIS and TIS Register and Portal

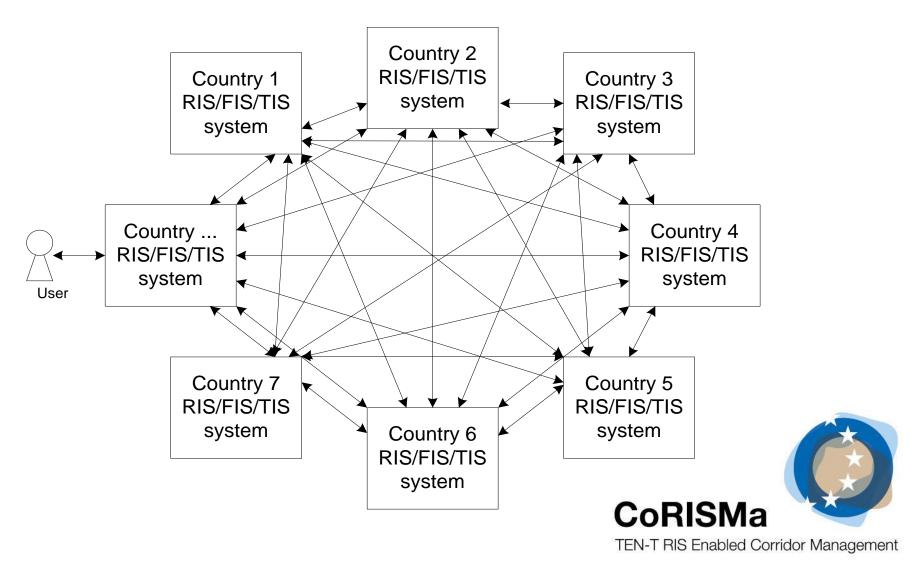
- Investigation of the technically most preferred solutions for a European FIS&TIS Register and Portal
  - A central solution
  - A decentral solution
  - A hybrid solution



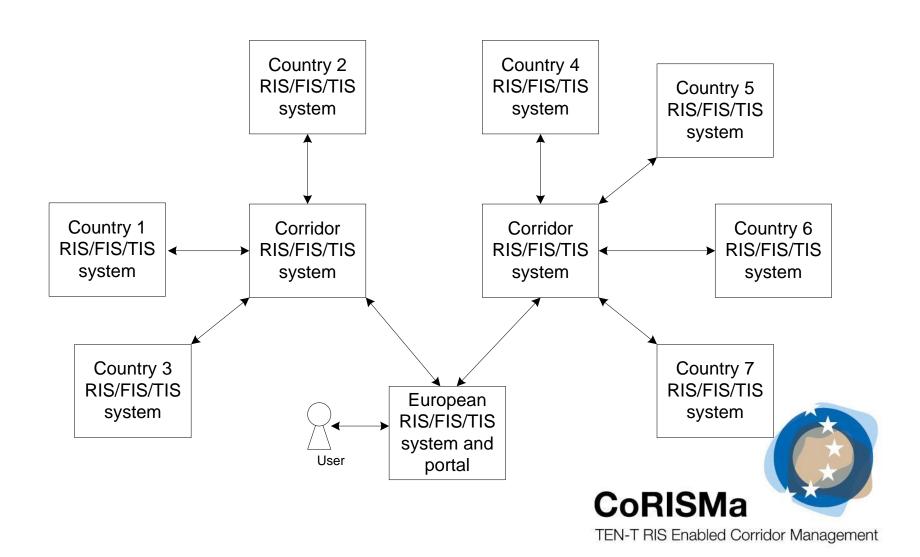
## Central scenario system topology



#### **Decentral solution**



## **Hybrid solution**



# SuAc 2.3 Functional and technical requirements study for a European FIS and TIS Register and Portal

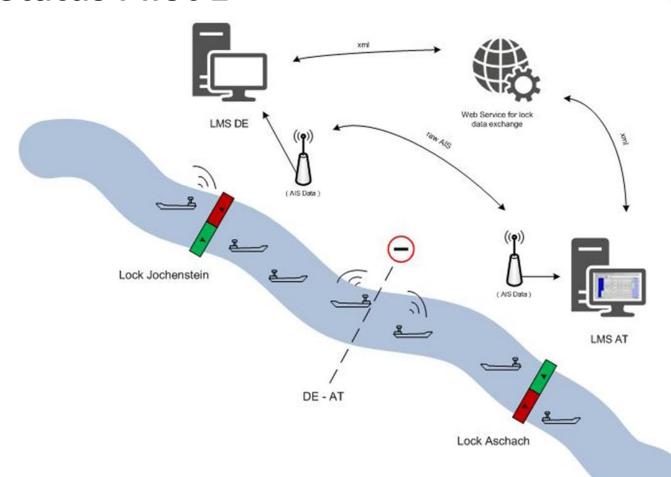
- Rating of the solutions on certain criteria
  - User friendliness
  - Implementation effort
  - Legislation
  - Maintenance effort
- The central system overall scored best
- Development of a roadmap towards the most preferred solution

### Status of the pilots

- 1. Lockplanning on the Danube
- 2. Berth occupation on the Mosel
- 3&4 Traffic Planning
  - Rotterdam Antwerp/Albert Canal
  - Rotterdam Duisburg
- 5. Vessel position exchange (SuAc 4.1)
- 6. Digital network (SuAc 2.2)



#### **Status Pilot 1**

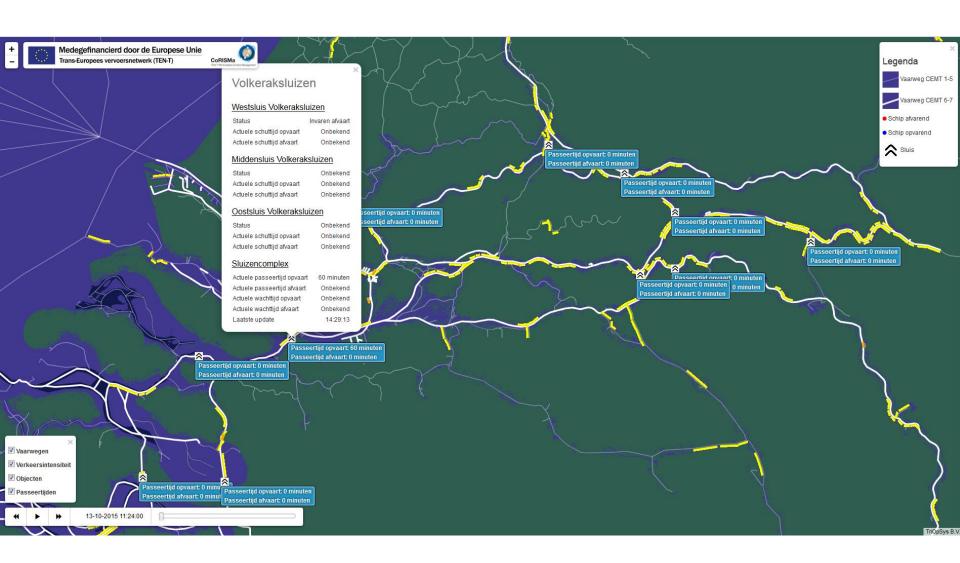




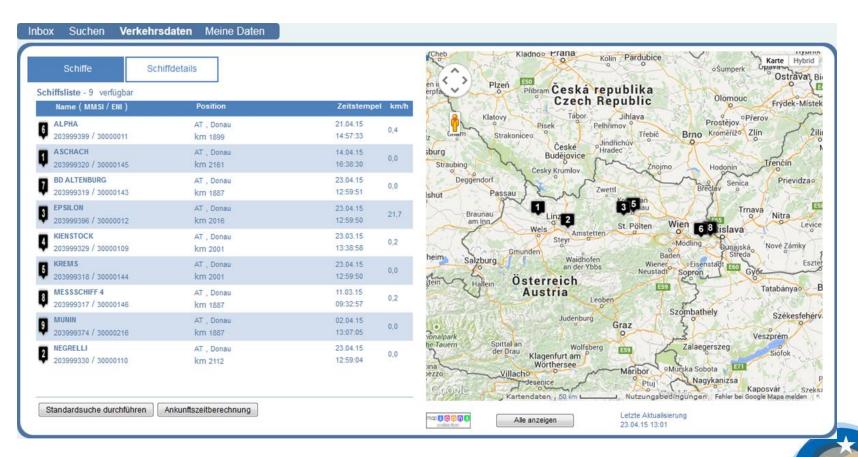
#### **Status Pilot 2**



#### Status Pilot 3 & 4

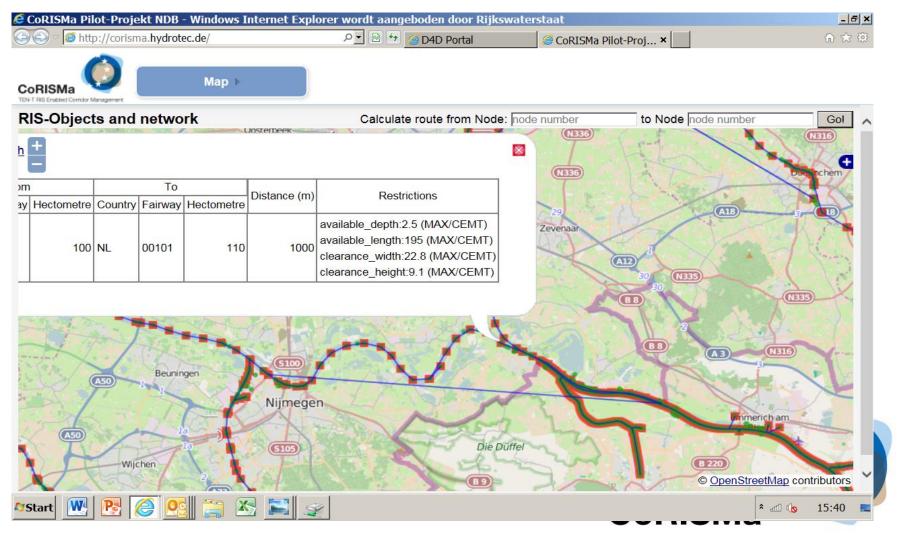


#### **Status Pilot 5**



**CoRISMa** 

#### **Status Pilot 6**



#### **Final Event CoRISMa**

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#### **Final Event CoRISMa**

#### **Agenda 11 December 2015**

- 10:30 12:00 Opening and keynote speeches
- 12:00 12:30 CoRISMa architecture
- 13:30 14:30 CoRISMa @ work
- 14:30 15:30 Panel discussion with stakeholders
- 16:00 16:45 Next steps



### **Next steps**

Interest from abroad: USACE

#### Dutch European Chairmanship 2016

- Event after the Transport Council
- ITS & RIS combined
- Common challenges
- Shared vision



## The Juncker challenge

Juncker addressed and challenged the Europe an Transport community in his "Digital single market":

Smooth information flows in the development of tools to simplify access to traffic and transport data for transport by sea (SafeSeaNet), inland waterways (RIS), rail, road (ITS) and air leading to:

- Single reporting/reduction of administrative burden
- Improved transport services in a multimodal context
- Improved safety and enhanced damage prevention (dangerous goods)
- Improved security

Our Challenge is to prove the added value or RIS for all transport modes with respect to:

- The RIS key technologies and standards
- The operational benefits of RIS
- The facilitation of the logistic community by RIS Corridor Management Services



## Our next challenges after CoRISMa?

- Support the users with Fairway information on the complete waterway network
  - Do we operate these services in 2017
  - What are the real challenges
  - Do we have to coordinate a hamonized implementation on Corridor level
  - Is there a need for a centralized server approach
- Support to logistic stakeholders with RIS based information functions (FIS, Position,...)
  - Is this benficial for all IWT logistic stakeholders
  - What are the real challenges
  - Is is this in operation on the main corridors in 2020?
- Provide traffic management services to support the users to plan their voyage
  - Who will use that?
  - What are our challenges?
  - Is this in operation on the main corridors in 2025?

