Rijkswaterstaat
Ministerie van Verkeer en Waterstaat

RIS for multi modal corridors

Ivo ten Broeke

Programme Manager RIS
Rhine Commissioner CCNR

5 June 2014

Multi-modal transport

- Information sharing about positions and planning
- Information about delays
- Cost of transport and transshipment

Inland navigation in the Rhine Alpine corridor

- > 80% of all inland navigation in Europe
- Multi modal transport of containers is already highly developed
- Dominant market for dry and liquid bulk

Minder dan 50 miljoen ton
Minder dan 100 miljoen ton
Meer dan 100 miljoen ton
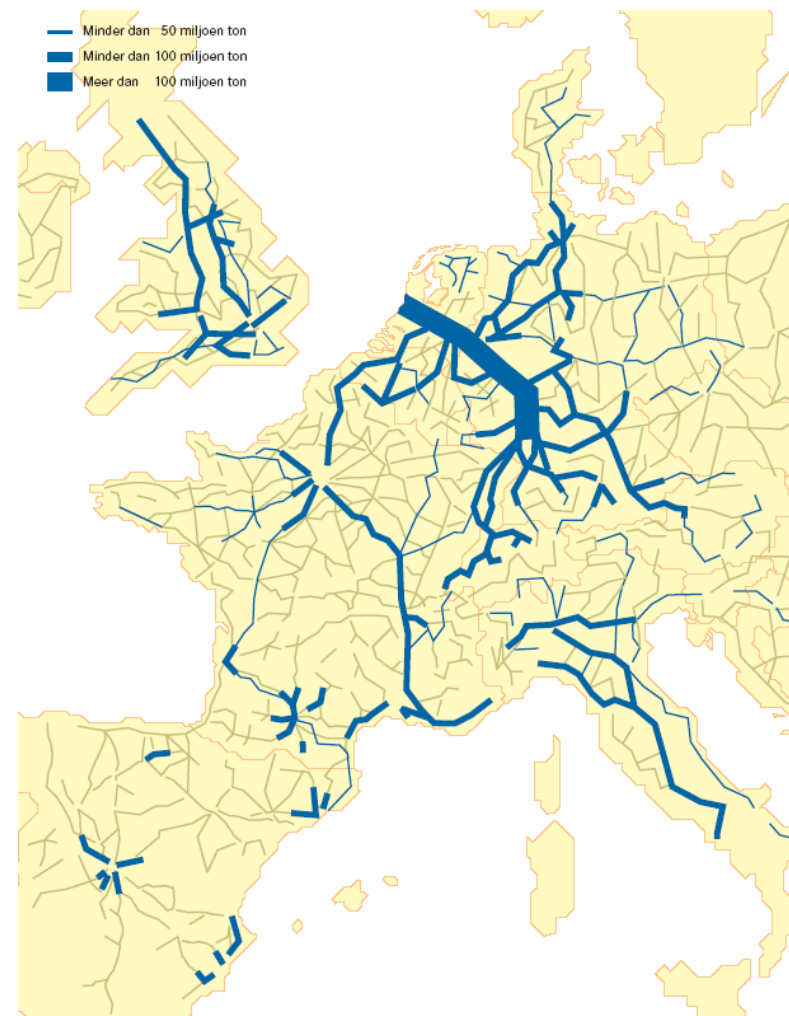
River Information Services and Multi-modal

- *Objective:*

    Safe, efficient, reliable and environmental friendly

- *Definition:*

  A comprehensive set of services for navigation on the inland waterway network, which are agreed internationally

- *RIS key technologies:*
    - Inland ECDIS
    - Electronic Reporting
    - Inland AIS

EU RIS directive, mandatory waterways

Next step RIS: Corridor Management

Why?

linking services together on a route or network of interconnected waterways in order to supply RIS not just locally, but in support of navigation on their voyages on the entire network

Objectives:

- Optimal use of infrastructure
- Optimal safety
- Reliable transport times
- Minimised delays

RIS implemented

- Inland ECDIS: elctronic navigation charts: safety and information overview
- Notices to Skippers: information about changing conditions, temporary obstructions, incidents
- Electronic reporting: information about ship's voyage, origin, destination and cargo; mandatory on the Rhine for container transport
- Information databases containing the electronic reports and reports issued by VHF, fax etc. mandatory for dangerous goods, push tows, passenger vessels etc.
- All operational cargo carrying vessels (professional fleet) supply position information continous by means if inland AIS.

Corridor Management implemented?

- 3 levels of corridor management:
  - Infrastructure
  - Traffic, present and predicted
  - Information for logistics

- Implementation will start with the new Comex project
  - Corridors and levels of service have been defined

NARCIS

- Online demo, showing potential for multi modal transport

Benefits

- Use of AIS for River Information <u>Services</u>:
  - Safety and Traffic Management
  - Transport management
    - Better partner in logistic chains
    - Customer can always follow its cargo
    - Logistic performance of navigation will improve by supplying more reliable ETA's
    - Transshipment and the use of road and rail and inland waterways can be monitored and planned at least for the inland waterways part

Conclusions

- Inland navigation can supply already detailed information about position of vessels, ETA's at terminals and accomodate automatic tracking and tracing of transport

- Connections to other modes of transport seem te be lacking

- National governments are supporting this development by setting up websites with information for navigation and setting up AIS monitoring networks to enable RBAC to information about individual vessels

- Stakeholder consultation confirmed the wide spread eagerness to use inland waterways and their planning tools