

## Vertical Activities

In the shown diagram, the activities depicted vertically influence the project phases.

- In order to be able to introduce RIS in Eastern European countries, new scenarios for the operational implementation, organisation and provision of financial means are necessary.
- Harmonisation and standardisation of information flows and communication methods will provide international forums with information, enabling them to approve of the standards defined in COMPRIS. The workpackage is designed to create an open discussion between these international forums and the COMPRIS project.
- Guidelines for the harmonisation of the Man Machine Interface will be issued to system developers and testers.
- E-learning modules will be developed to minimise training for RIS users.
- In order to disseminate the RIS features, CDs will be produced to increase the awareness of the benefits of RIS among users and policy makers.
- A final workpackage deals with an overall assessment of RIS and will determine the benefits and the costs for the different stakeholders.

## Project organisation

### The Steering Committee

- Mr. R. Vorderwinkler** (chairman)  
*Ministry of Transport Austria*
- Mr. A. Christiansen**  
*Ministry of Transport Germany*
- Mr. M. Koopmans**  
*Ministry of Transport the Netherlands*
- Mr. O. van de Vijver**  
*Ministry of Transport Belgium - Flanders*
- Mr. L. Orban**  
*Ministry of Transport Belgium - Walloon*
- Mr. P. Vinet**  
*Voies Navigables de France*
- Mrs. L. Kostova**  
*Ministry of Transport Bulgaria*
- Mr. I. Valkár**  
*Ministry of Transport Hungary*
- Mrs. K. De Schepper**  
*Inland Navigation Europe*
- Mr. P. Padding** (co-ordinator COMPRIS)  
*AVV (the Netherlands)*

### The Management Team

- |  |                                  |
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| <b>Mr. P. Padding</b> (AVV)            | <i>Co-ordinator</i>              |
| <b>Mr. C.P.M. Willems</b> (AVV)        | <i>Project manager</i>           |
| <b>Mr. C. Glansdorp</b> (MARaNI)       | <i>Technical advisor</i>         |
| <b>Mr. R. Pfliegl</b> (Via Donau)      | <i>Technical advisor</i>         |
| <b>Mrs. A. Javor</b> (PBV)             | <i>Advisor Logistics</i>         |
| <b>Mr. P. Kluytenaar</b> (Serendipity) | <i>Advisor inland navigation</i> |
| <b>Mr. P. Zitnansky</b> (VUD)          | <i>Danube region expertise</i>   |

## Project information

COMPRIS is a project in the Competitive and Sustainable Growth Programme.  
(GROWTH)  
Contractno: GRD2/2000/30161

European Commission  
Directorate-General of Energy and Transport

## Detailed Information

Detailed information on the COMPRIS project is available on the internet  
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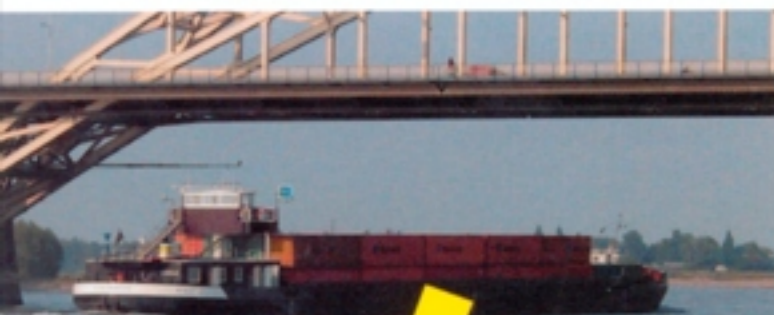
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# COMPRIS

*Consortium  
Operational  
Management  
Platform  
River  
Information  
Services*



# RIS



## COMPRIS

COMPRIS (Consortium Operational Management Platform River Information Services) is one of the Fifth Framework research and demonstration projects in the Growth Programme of the European Commission. It is a follow-up of the successful INDRIS project. The main objective of COMPRIS is to enhance the existing concept of RIS (River Information Services). RIS will support traffic management on inland waterways in Europe. By improving the transport and logistic information that underpins transport and logistical management, the inland navigation transport mode will become a more competitive modality. Awareness and co-operation of all participants (industry, transport sector and authorities) are crucial factors in the scientific, technical and organisational elements of COMPRIS.

COMPRIS is the last stepping stone before the implementation of RIS across Europe. During the pan-European Conference on Inland Waterway Transport in Rotterdam in September 2001, the European Ministers of Transport declared that River Information Services should be up and running on the main European rivers within five years. Being a research and development project, the main objective of COMPRIS is to contribute to this implementation strategy. And thus to make the RIS concept feasible throughout Europe. Therefore, COMPRIS will be linked to existing and future initiatives in the participating European countries. Once the COMPRIS project has ended, the market forces should be in a position to offer solutions and services on the basis of tested concepts and the specified standards.

The project is a co-operation between 44 public and private partners from the following countries:

- Austria
- Belgium
- Bulgaria
- France
- Germany
- Hungary
- The Netherlands
- Romania
- Sweden
- Slovakia
- Ukraine

The AVV Transport Research Centre of the Ministry of Transport, Public Works and Water Management of the Netherlands will be responsible for the co-ordination of the project.



## Objectives

COMPRIS helps to accomplish the objectives defined in RIS. In addition to the general objective of COMPRIS to contribute to the implementation of RIS in Europe, the following subgoals have been defined in the project:

- Development of the technical, organisational and functional architecture for River Information Services on a pan-European level.
- Design and testing of all ship based, shore based, traffic oriented and transport oriented systems and applications, so that after completion of the project, RIS can be implemented in all the participating countries.
- Development and enhancement of the RIS standards on information exchange, such as inland ECDIS, reporting, VTM data exchange, tracking and tracing. The new standards have to be communicated to all the appropriate international standardisation bodies.
- Improvement of international procedures for seamless border-crossing.
- Design and development of an environment in which RIS applications and systems can be tested.
- Demonstration of the applications and systems developed in COMPRIS at a local, national, regional and pan-European level.
- Harmonisation of the MMI (Man Machine Interface) for RIS users.
- Formulation of scenarios for the development and implementation of RIS in the Danube countries.

## The COMPRIS project consists of four phases:

### Phase 1: Architecture Phase

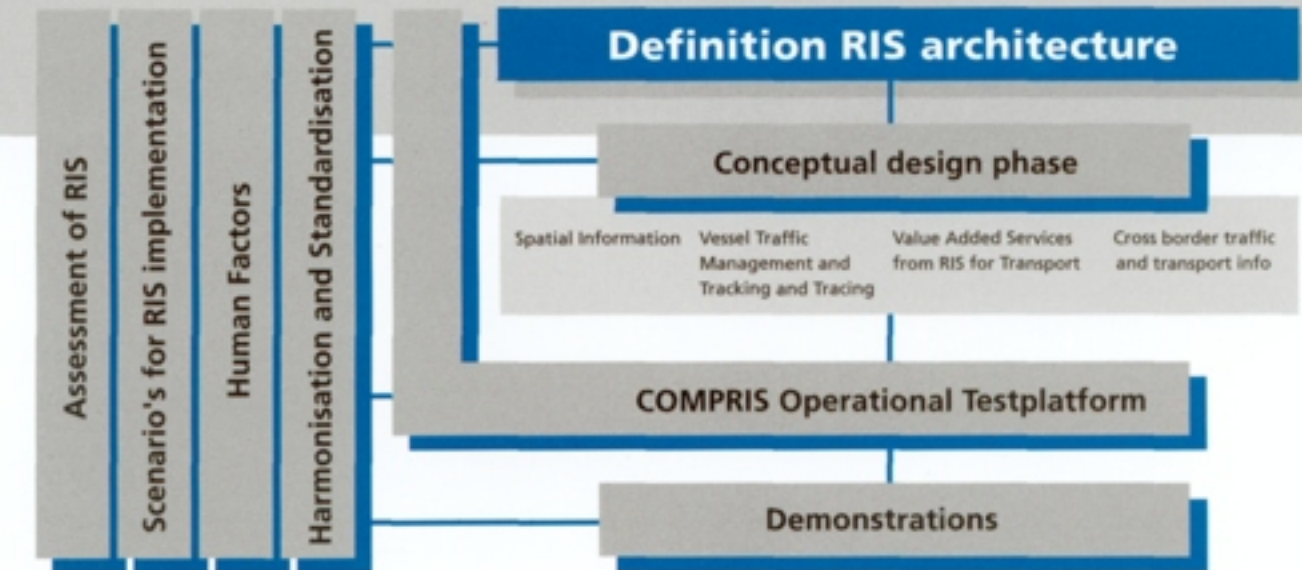
The project starts with the definition of the architecture of RIS in its environment and the relationship of RIS with regard to information systems. The RIS architecture will be applied to three levels:

- The organisational framework
- The functional and information architecture
- The physical, communication and data architecture.

### Phase 2: Conceptual Design Phase

The RIS architecture forms the basis for the design phase. The design phase is divided into four activity clusters, also known as workpackages:

- Spatial information: In this workpackage, ship-borne applications for voyage planning, fuel optimisers and a new navigation system are developed. This workpackage will also enhance the standards for inland ECDIS and develop an update mechanism for both dynamic as well as static ECDIS data. Furthermore, it will produce prototype ENC's for the Danube area.
- Vessel traffic management and Tracking and Tracing: AIS network technology plays an important role in this workpackage. It focuses on the development of transponder technology for transport information. The workpackage will enhance transponders address tracking and tracing, which will improve cargo management. The package will also contain applica-



tions for traffic management, lock and terminal planning.

- Value added services from RIS: This workpackage will address the logistic needs to obtain retrieval software. This software is used to access information from RIS oriented data bases. There will be a direct link to the FPS project 'ALSO Danube'.
- Cross-border traffic and transport information: This package will be designed to facilitate cross-border passage by providing essential information to customs and emigration authorities in advance, so that time delays at the border are avoided. The deliverables of the workpackage are a cross-border software module, as well as proposals for procedures for seamless international transits in Europe.

### Phase 3: COMPRIS Operational Test Platform

In the third phase of the project, an operational test platform will be defined and developed. The platform will create an environment to test and 'certify' (clusters of) applications and systems.

### Phase 4: Demonstrations

In this final phase, all the applications and systems will be demonstrated to policy makers and RIS users. The demonstrations will be held on different organisational levels. Some of them are local or national. The great challenge, however, will be the cross-border regional and pan-European demonstrations. When the demonstrations are successful, the implementation of RIS can be rolled out across Europe.