

Baltic Sea Information Motorways

BaSIM



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BALTIC SEA INFORMATION MOTORWAYS

TZL TECHNIK
ZENTRUM
LÜBECK



Project part-financed
by the European Union

tedim

Workpackages and Leaders

Lead Partner

Technology Centre Lübeck GE

WP 1: BaSIM Architecture

Finnish Maritime Administration FI

WP 2: BaSIM Security

Technology Centre Lübeck GE

WP 3: BaSIM Corridors

Ass. Of Danish Transport Centres DK

WP 4: BaSIM Information Services

Maritime Institute Gdansk PL

Partners

29 Partners from

- Denmark
- Estonia
- Finland
- Germany
- Latvia
- Lithuania
- Poland
- Russia
- Sweden

The Project

One of the key elements in the Northern Dimension transport market is the concept of the Baltic Sea Motorways aiming at promotion of maritime transport, multimodality covering also hinterland and logistics in general. Aim of the Baltic Sea Motorways is to make transport in the BSR more competitive. Baltic Sea Motorways is a future vision carried by most of the Baltic Sea countries, including Russian Federation, to enhance co-operation and to optimise transport systems of the BSR.

The vision is implemented by BaSIM, under the TEDIM umbrella and will be one of the first Baltic Sea Motorways projects. BaSIM will create a sustainable basis for investments in the future aiming at solving existing and coming up bottlenecks in BSR and transnational communication and co-operation.

Therefore BaSIM emphasizes simultaneous actions which are needed to develop both physical and information infrastructure within BSR, for an overall improvement of logistics productivity and competitiveness.

The project is divided into four integrated Workpackages:



The Project

WP 1: Standardised ICT architecture: Defined in a concept and exemplified demonstrated in an agreed and harmonised ICT pilot. USA and Asia Pacific having currently strong investments towards this. It seems that in Europe countries are lagging behind.

WP 2: Supply chain security: Supporting new processes and procedures based on laws and regulations of Port and Supply Chain Security with ICT solutions shown in Best Practice and transferred to an implemented demonstrator.

WP 3: Maritime Transport Corridor Development: Innovative marit. transport corridor concepts and strategies to create the frame for efficient marit. transp. and thus facilitate sustainable econ. growth in the BSR demonstrated in practical scenario analysis.

WP 4: Supporting information services: Needed to simplify and speed up the implementation phase of new logistics applications and processes between partners in the BSR and also to a wider market including an implemented pilot.

BaSIM Workpackage 1

Strategic focus:

Improvement of BSR short-sea transportation network by collaborative information exchange based on international architecture and standards.

Planned results:

BSR wide concrete implementations between existing services, interoperability architecture and framework of how to interconnect local or national architectures and systems, identification of new service demands and BSR wide investment plan.

BaSIM Workpackage 1

Result indicators:

Number of commitments to use the results in developing new systems, acceptance in EU level as a service model, number of implementations adaptations and number of implementations plans

Outputs and their quantifications:

All partners committed to the new architecture and services, the new structure is acceptable as a part of EU maritime telematics architecture, minimum three focused applications in use and three investments plans generated in countries.

BaSIM Workpackage 2

Strategic focus:

Improvement of security of transport and logistics by integrated ICT according international regulations and standards.

Planned results:

- Overview on worked out processes according new security regulations in the BSR.
- Best Practice Concept on telematic solutions improving security by telematic integration and support in ports, chains, corridors supported by a demonstrator.

BaSIM Workpackage 2

Result indicators:

Partner's and member's of the Target Groups opinion and further activities according the results of the workpackage and the project as well as the efficiency of the demonstrator. New spatial planning methods on security.

Outputs and their quantifications:

Documented overview of the established processes according security in the selected ports and chains. Best practice concept defining lacks and improvement opportunities exemplified with a demonstrator in a selected port and chain.

BaSIM Workpackage 3

Strategic focus:

Improvement of maritime transport corridors in the BSR by creating innovative and effective Baltic Sea Motorways.

Planned results:

Development and feasibility of new maritime freight transport corridor concepts and strategies. Scenario analysis of selected maritime corridors. Examination of political opportunities in making the framework for maritime transport corridors - Motorways to Sea

BaSIM Workpackage 3

Result indicators:

Reduction of transport and logistics costs in the maritime freight transport corridor (10%), reduce transport trips in the land based freight transport corridors by 10 %. Target groups reached with the new innovative corridor solutions (100).

Outputs and their quantifications:

Best practice report on innovative freight transport corridor concepts, 5 user workshops, Report on feasibility of maritime corridor concepts, Measure-Handbook for frameworks for Maritime Corridors. Scenario and political analysis. Dissemination.

BaSIM Workpackage 4

Strategic focus:

Promotion of sustainable cooperation between public and private partners in transport and logistics of Baltic Sea Motorways.

Planned results:

Supporting information services needed in new maritime collaboration for reducing disparities and increased cohesion in BSR traffic of goods.

BaSIM Workpackage 4

Result indicators:

Identified number of existing information service tools and internet cooperation platforms using e-business collaboration standards. Number of commitments to use e-business collaboration standards in BSR countries and their implementation plans.

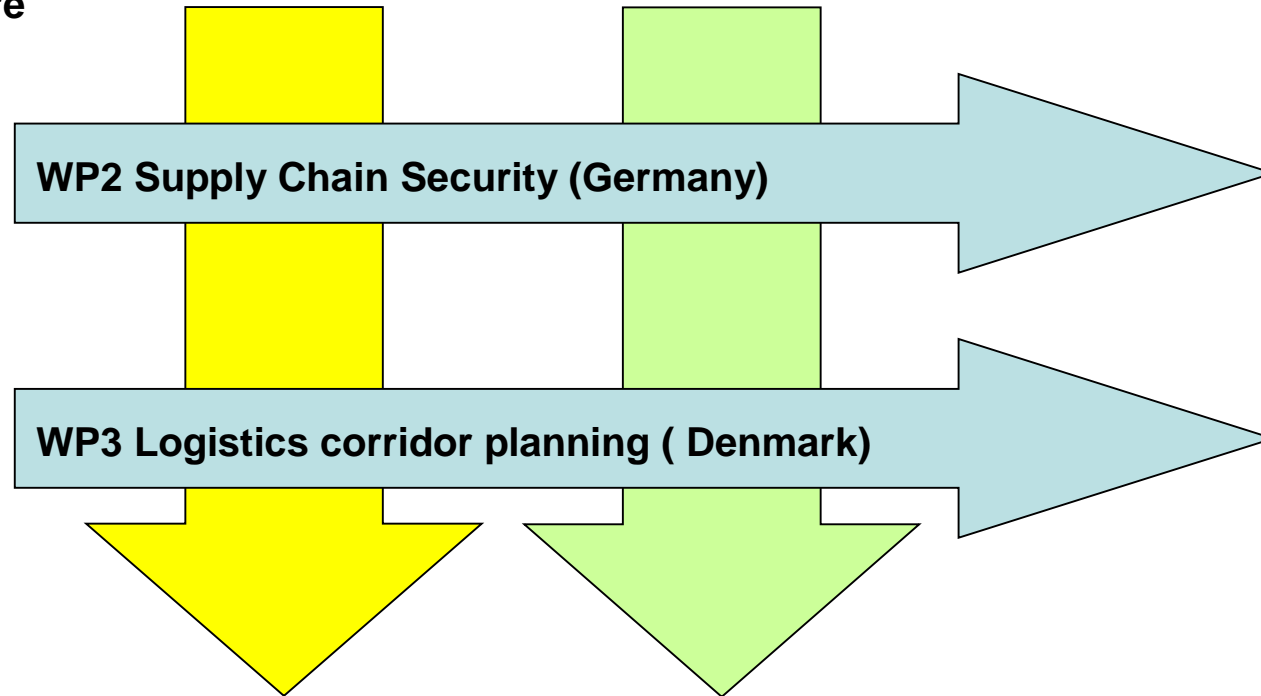
Outputs and their quantifications:

- Documented concept of e-business collaboration architecture based on ebXML message standards.
- Implementation of e-business platform for collaboration in supply chain using UN/CEFACT business standards.

Structure of the work

**WP1 (Finland):
 standardized
 IT-architecture**

**WP4 (Poland): national and
 transnational IT-services**



Organizations and users from other Baltic Sea Region countries