BLAST

Bringing Land and Sea Together

The Interreg IVB North Sea Region Programme

Investing in the future by working together for a sustainable and competitive region

BLAST Work Package 5 (WP 5) Final Report

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Document history

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Draft 2	11042012	NCA	fmv		Updates after final workshop.
Draft 3					
Draft 3.2					
Draft 3.3					
Draft 3.4					

Background for WP 5

The rationale for WP 5 was given in the project description of "Interreg IVB North Sea Programme: Bringing Land and Sea Together: BLAST", - version 01-12-2009.

"The WP addresses the need for wider interoperability of maritime traffic information in the North Sea area for use in decision making and resource management to improve the maritime safety and security."

"At present, there is a limited collaboration between Member States and within a Member State, regional, and local level to integrate maritime traffic information. SafeSeaNet covers parts of these needs, but the main purpose is to keep track of polluting and dangerous goods, waste, alert and security information and only National or Local competent Authorities have access. In this WP we will have the traffic players in focus, but the access rights will be a vital element to protect the information integrity. This WP will concentrate on a best practice network amongst stakeholders from data providers to end users. It will develop pilot studies focusing on the practical issues and solutions of the harmonization of the maritime traffic information and recognize existing formats and propose new formats and/or standards to improve the information exchange".

Objectives

- Design and develop a regional maritime traffic monitoring platform beneficial for all Member States in the North Sea region.
- Harmonize maritime traffic information formats in the North Sea Region and add new formats where needed.
- Harmonize regional maritime traffic information flow with SafeSeaNet and propose new functionality.
- Develop a network and server platform for development and demonstration.

Summary of tasks

- Task 1, Management and coordination
- Task 2, Survey of management and user requirements
- Task 3, Gather information about relevant data formats in use
- Task 4, Development of a central database
- Task 5, Development of Web Interface to central database
- Task 6, System development
- Task 7, System demonstration

Tasks performed

The Norwegian Coastal Administration (NCA) has undertaken the leadership of WP5.
The WP leader has also represented NCA at the quarterly WP1 Project Management Group meetings, and equally been present at the meetings of the International Steering Group (ISG). This has assured both the horizontal as well as the vertical communication, which has been fruitful.

A report on BLAST WP5 "User Needs Specification" was delivered according to the work program in the summer 2010. *The report is attached.*

November 2010 a report was delivered on "Specification Blast Regional Maritime Traffic Management & Message Reference Guide". In the report the technical details described are based upon standards described by ITU and IEC, but also taking into account requirements specified by EMSA in the (SSN) SafeSeaNet and SSN Graphical Interface (former STIRES). *The report is attached.*

At this stage of the project it was increasingly getting apparent that the continuous development of SafeSeaNet would define a number of the solutions necessary for the creation of the WP 5 North Sea demonstrator. This became even more evident as the NCA represents Norway in EMSA's development of SafeSeaNet, and SafeSeaNet's latest regional Information Management Centre was located and opened November 2010 at the NCA offices in Haugesund, on the west coast of Norway. (NAIMC: North Atlantic Information Management Centre was added to the two IMCs for the Baltic and for the North Sea in Copenhagen, and the IMC for the Mediterranean in Rome.)

As this development was found to be of great relevance and importance to WP5, it was communicated to as well the PMG as to the ISG, it was commented on in the semi-annual activity reports, and was a basic factor for the report on task 4 and 5: WP 5 Report on the Central Database and on Web Interface. *The report is attached.*

The solutions chosen for the database and for the web interface have been conveyed to the other work packages of the BLAST project, - thus securing the possible exchange of data and information. Common standards will also be basic for adding new functionalities to the SafeSeaNet system in the future.

Demonstration and Validation

The NAIMC served as demonstrator for the final WP 5 demonstration on 19-03-2012 at the NCA offices in Haugesund, Norway. The demonstration was combined with a final work shop on WP 5.

The final validation report on WP 5 is attached.

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Germany • Hjørring Municipality, Denmark • Jeppesen GmbH, Germany • Local Government, Denmark • Mälardalen University, Sweden • National Space Institute, Denmark • National Survey and Cadastre, Denmark • Natural Environment Research Council, United Kingdom • Norwegian Coastal Administration • Seazone Solutions Limited, United Kingdom •T-Kartor AB, Sweden • TU Delft, the Netherlands • UK Hydrographic Office