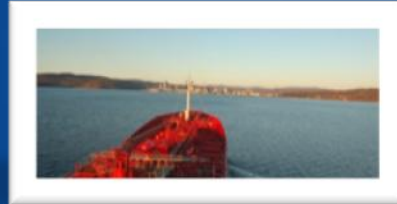


BLAST

Bringing Land and Sea Together



BLAST – facts and figures

- A regional project under EU's Interreg IVB North Sea Region Programme
- Project period 2009-2012
- Total budget approximately € 6,300,000
- 17 Partners from 7 North Sea countries
- Public, private and university sectors



BLAST – partners

- Norwegian Hydrographic Service (lead partner)
- Norwegian Coastal Administration
- National Survey and Cadastre - Denmark
- Danish Coastal Authority
- DTU Space (National Space Institute) - Denmark
- Local Government Denmark
- Aalborg University - Denmark
- Federal Maritime & Hydrographic Agency - Germany
- Jeppesen GmbH - Germany
- Delft University of Technology, Faculty of Aerospace Engineering - the Netherlands
- T-Kartor AB - Sweden
- Malardalen University - Sweden
- Natural Environment Research Council - United Kingdom
- Seazone Solutions Ltd. - United Kingdom
- UK Hydrographic Office
- Agency for Maritime and Coastal Services – Belgium

- Hjoerring Municipality - Denmark (sub-partner)
- Lolland Municipality - Denmark (associated partner)
- Port of Oslo - Norway (associated partner)
- Swedish Maritime Administration (associated partner)
- Icelandic Maritime Administration (associated partner)
- Kristiansand Municipality - Norway (associated partner)
- National Environmental Research Institute, Aarhus University – Denmark (associated partner)



Why Bringing Land and Sea Together?

- North Sea nations handle geospatial data independently
- Little integration of land and sea data
- Lack of collaboration between countries
- Increasing pressure on coastal areas
- Threat of climate change and accelerated sea level rise

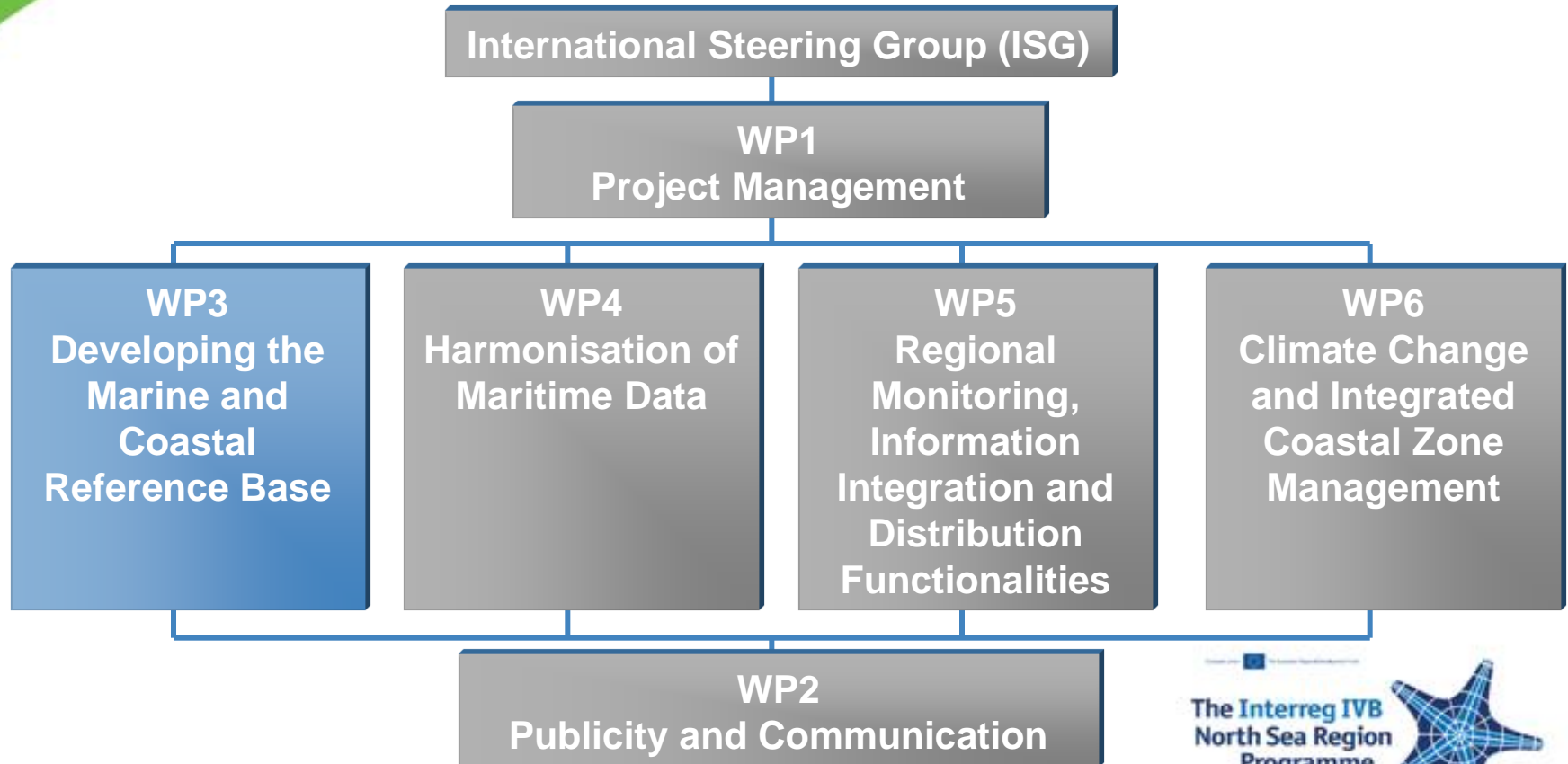


Project aims

- Provide new and innovative solutions for the harmonisation and integration of marine and terrestrial geospatial data.
- Improve maritime safety and integrated coastal zone management and planning in the context of climate change.



Project organisation



WP3: Developing the Marine and Coastal Reference Base

- Develop a product specification for maritime and terrestrial features
- Develop a new vertical datum for the North Sea Region
- Extensive testing of new airborne laser techniques in the coastal zone
- Deploy, update and test metadatabase



WP3: Metadatabase for BLAST



GeoNetwork - The portal to spatial data and information - Windows Internet Explorer

http://mimmetadatest.kmsexst.dk/geonetwork_blast/srv/en/main.home

GeoNetwork - The portal to spatial data and information

BLAST
Bringing Land and Sea Together

European Regional Development Fund
Investing in your future.

The Interreg IVB North Sea Region Programme
Investing in the future by working together for a sustainable and competitive region

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- Photo

Show map

Identification info

Title: Low water line LAT (Lowest Astronomical Tide)
Date: 2008-03-05
Date type: **Publication:** Date identifies when the resource was issued
Code: Low water line LAT (Lowest Astronomical Tide)
Codespace: mim.dk
Abstract: The low water line is the border between the intertidal area and depth area.
From 5 March 2008 the Flemish national and international charts (INT) - paper and electronic charts (ENC) are only be systematically produced by the Flemish Hydrography in LAT.

Point of contact

Individual name	Hans Poppe	Delivery point	Vrijhavenstraat 3
Organisation name	Maritime and Coastal Services - Department Coast - Flemish Hydrography	City	Oostende
Position name	Project Engineer	Postal code	8400
Role	Point of contact: Party who can be contacted for acquiring knowledge about or acquisition of the resource	Country	Belgium
		Electronic mail address	hans.poppe@mow.vlaanderen.be

Descriptive keywords: Low Water Line , BLAST .

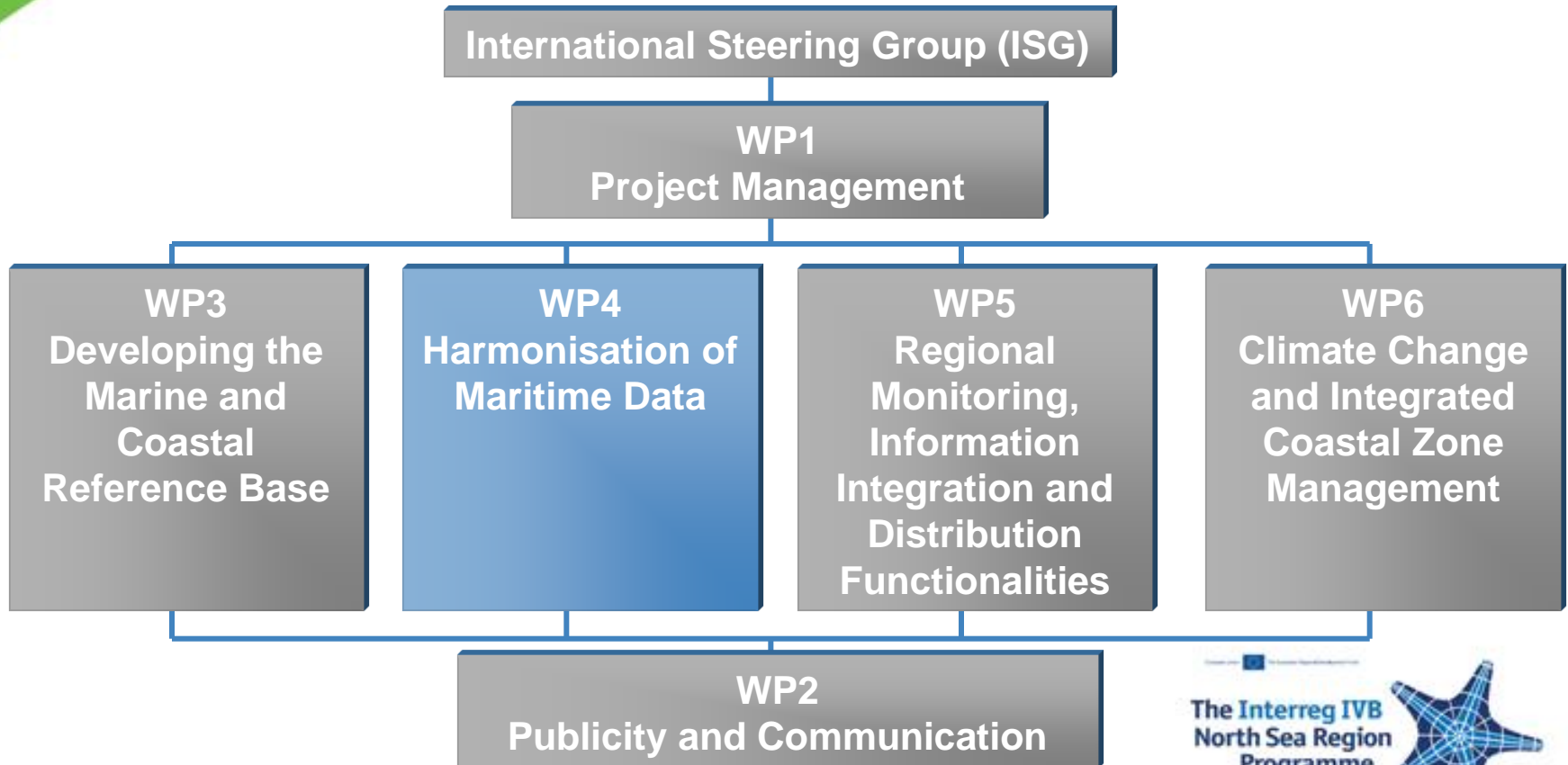
Equivalent scale

Denominator

WP3: Metadatabase for BLAST - Benefits

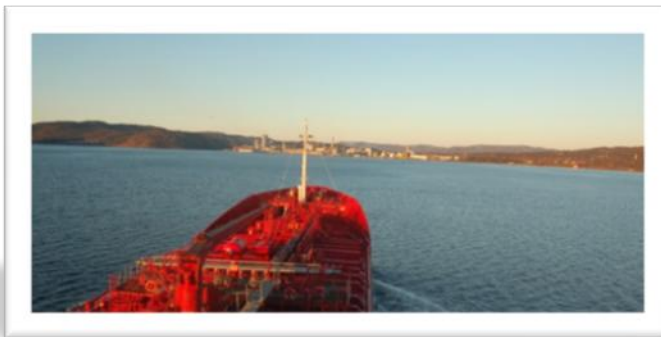
- Single shared collection of all BLAST data – available to all BLAST partners and WPs
- ISO & INSPIRE Compliant
 - Metadata input by data owners
 - Metadata maintenance by data owners
- Built on Open-Source Technologies
- Developed according to best practice and current standards
- Adaptable to future use requirement

Project organisation

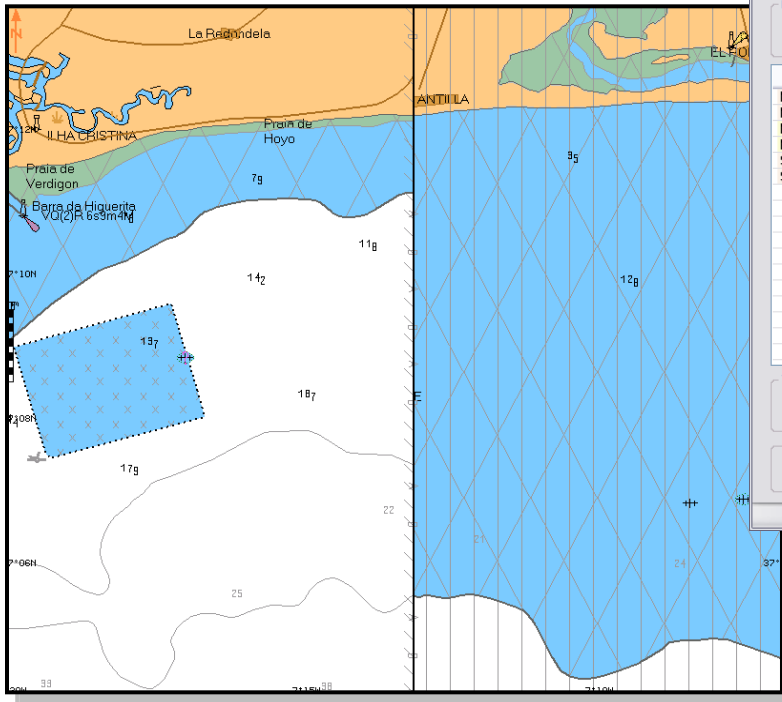


WP4: Harmonisation of Maritime Information

- Develop a regional basis for harmonisation of maritime information products, give input to IHO
- Demonstrate and evaluate the use of satellite data and 3D visualization/models in navigational aid displays
- Demonstrate a web-based port and coastal data collection system
- Demonstrate digital mariner's routing guide for the North Sea



WP4: ENC Harmonisation



ENC Harmonization Checker. Developed with support from EU Interreg IVB North Sea Region Programme

+ Add - Remove Help

Output
Directory: C:\BLAST

Name	Scale	Compilation ...	Horizontal Datum	Coordinate...	Soundi...
NL50120D	5	22000	WGS 84	10000000	10
NL40121E	4	45000	WGS 84	10000000	10
ND4D0722	4	22000	WGS 84	10000000	10
ND4D0721	4	22000	WGS 84	10000000	10
SE4DHWHE	4	22000	WGS 84	10000000	10
SE4CI9T4	4	22000	WGS 84	10000000	10

Tolerances
Linear Object Search at Data Limit (meters) 20 Edge Matching Tolerance (meters) 40

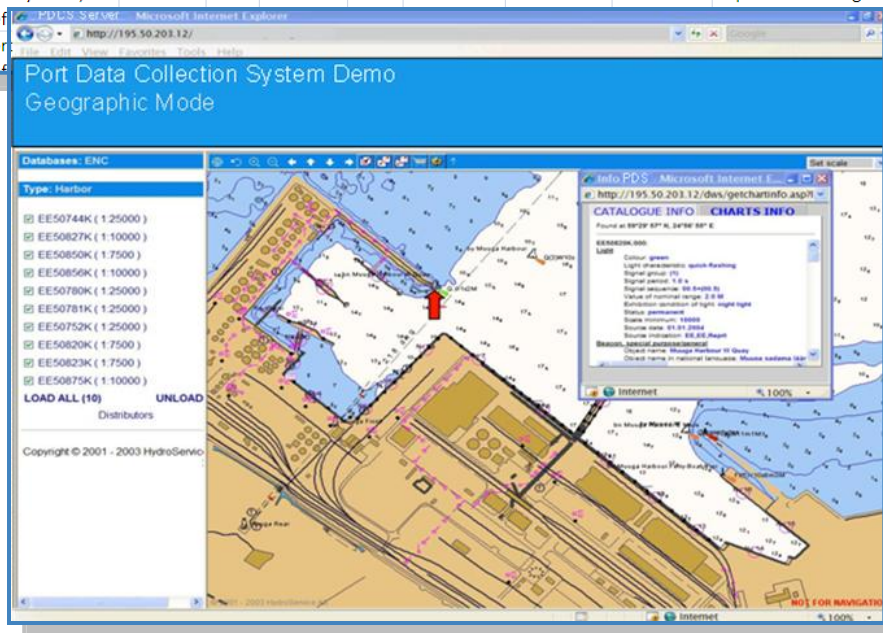
Test Types
 Horizontal Checks Vertical Checks

Tests
General
 Compilation Scale
 Horizontal Geodetic Datum
 Sounding Datum
 Coordinate Multiplication Factor
 3D Multiplication Factor
 Depth Area Intervals
 SCAMIN
 Not encoded SCAMIN
 SCAMIN S-65 Recommendations
Alignment
 Data Limit
 Data Alignment

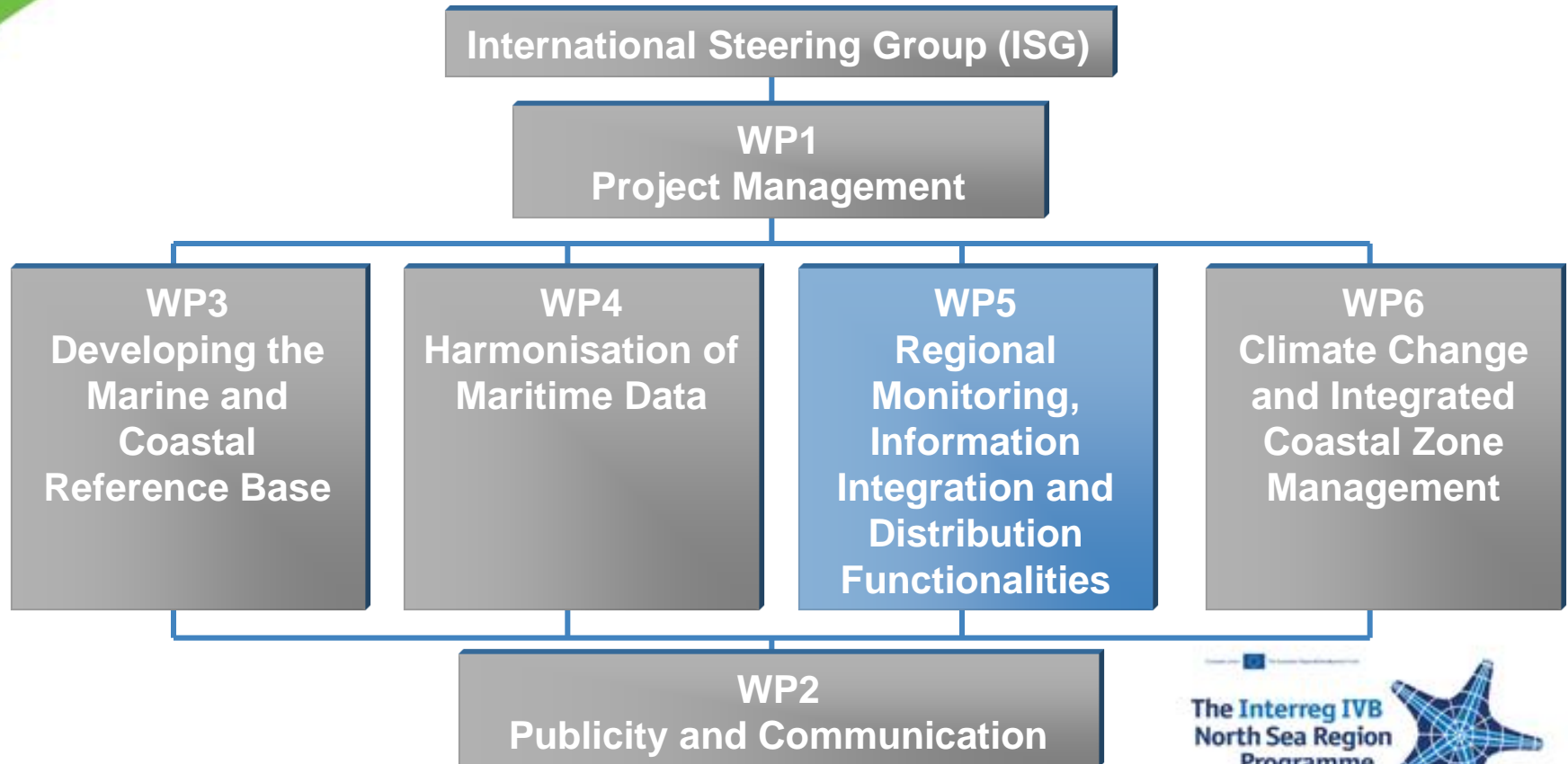
Run Cancel Close

WP4: Maritime Data Collection System

Address	Observer	Address	Sender	Box	Navaid	Box	Ot	Box	Sound	Chart	Company Name	Date observe	Date sent	Details	Email	Fax	Name of c	Name of s	PositionLat	PositionLon
10050 Commerce Square, Micklefirth		c/o Port of Micklefirth, 500 Rimon Bay Road, Micklefirth		Yes		No		No		220	Jussland Cruise Lines	1/10/2010	1/10/2010	Calva Island Light was observed to be unlit at 2015 hrs. LT on January 10 2010.	h.milo@ju	+999 4539	H Milo	SS Proteus	32.3690 S	61.0170 E
200 Main Street, Micklefirth		c/o Port of Micklefirth, 500 Rimon Bay Road, Micklefirth												Charted depth at this location is 7m but echo sounder reported depth of 3m at high tide	t.roberts@	+999 4539	Theodore	MV Herrin	32.2340 S	61.1020 E
2319 Museum Street, Micklefirth		c/o Port of Micklefirth													N. mole at					



Project organisation

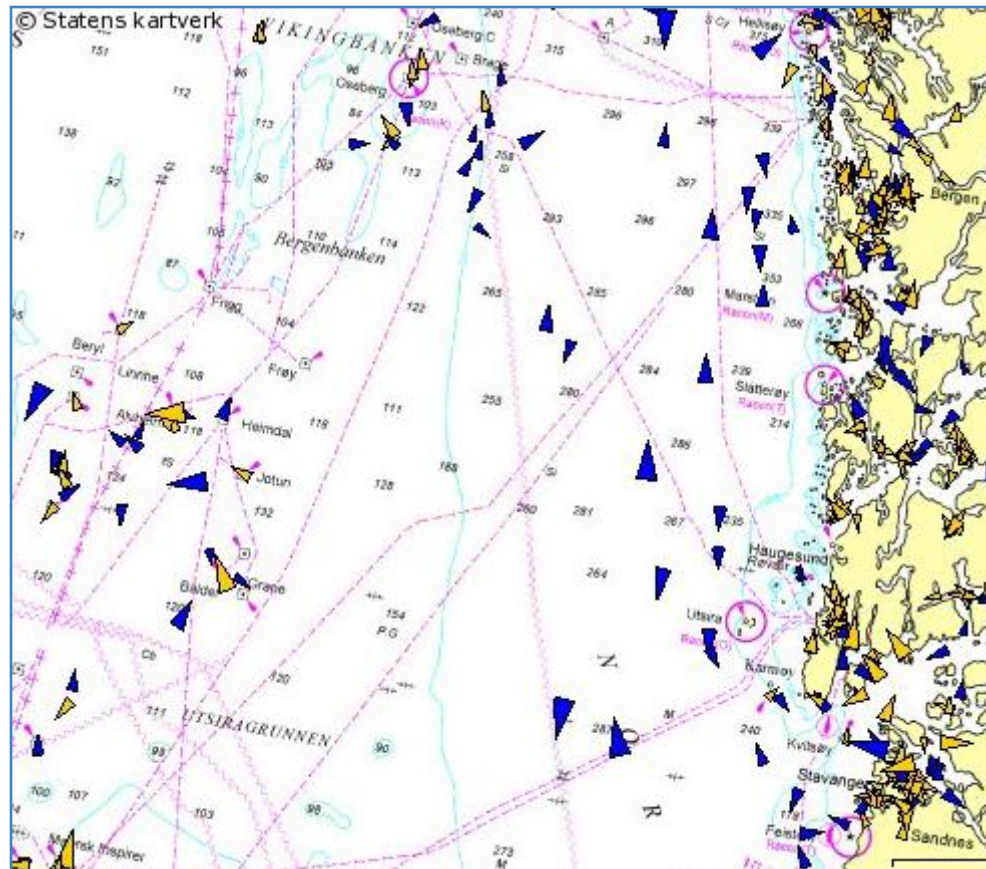


WP5: Regional Monitoring, Information Integration and Distribution Functionalities

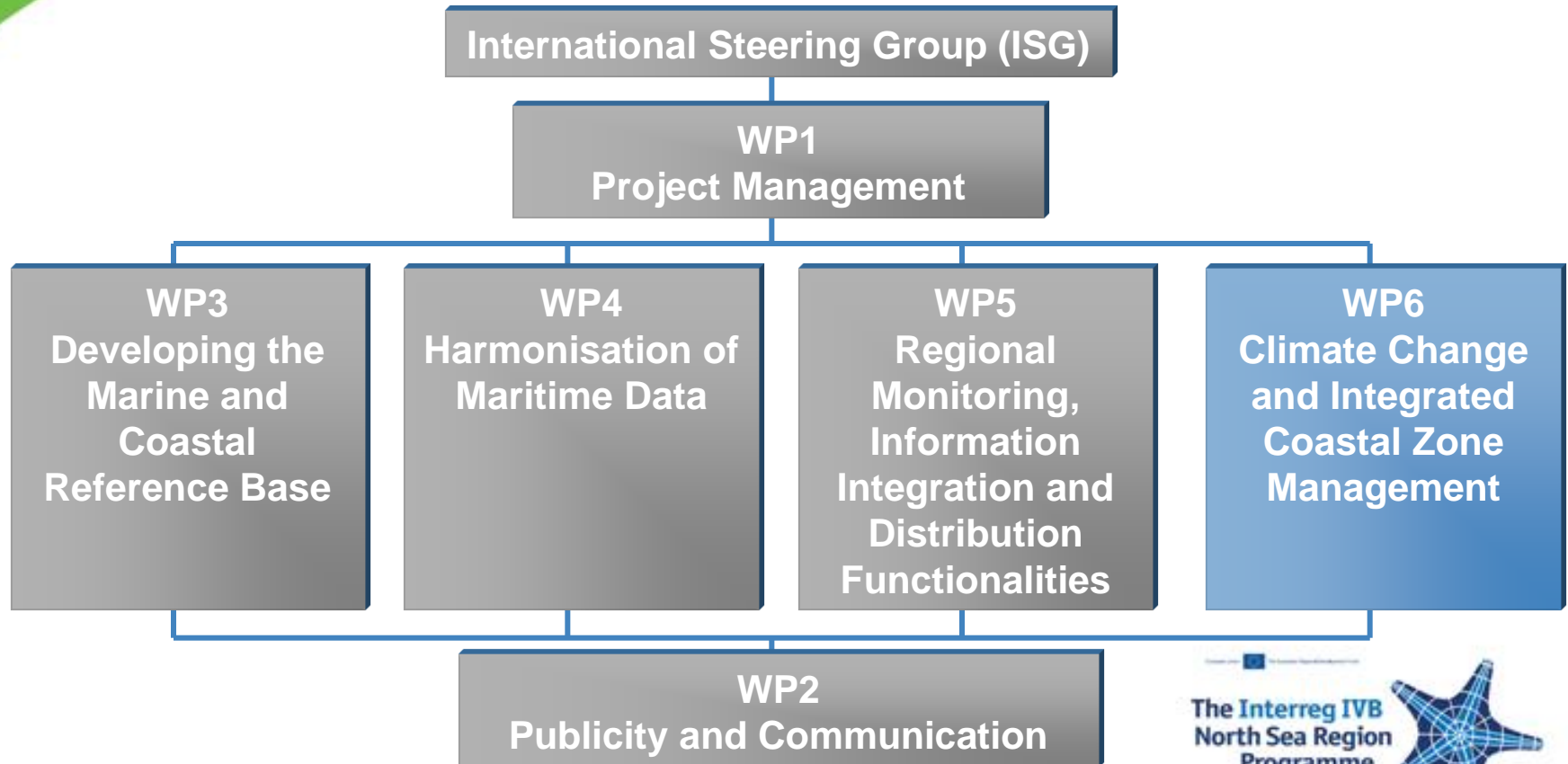
- Design and develop a regional maritime traffic monitoring platform for the North Sea region
- Harmonise maritime traffic information formats in the region, add new formats where needed
- Harmonise regional maritime traffic information with SafeSeaNet, propose new functionalities
- Develop a network and server platform for development and demonstration



WP5: AIS Traffic Monitoring



Project organisation

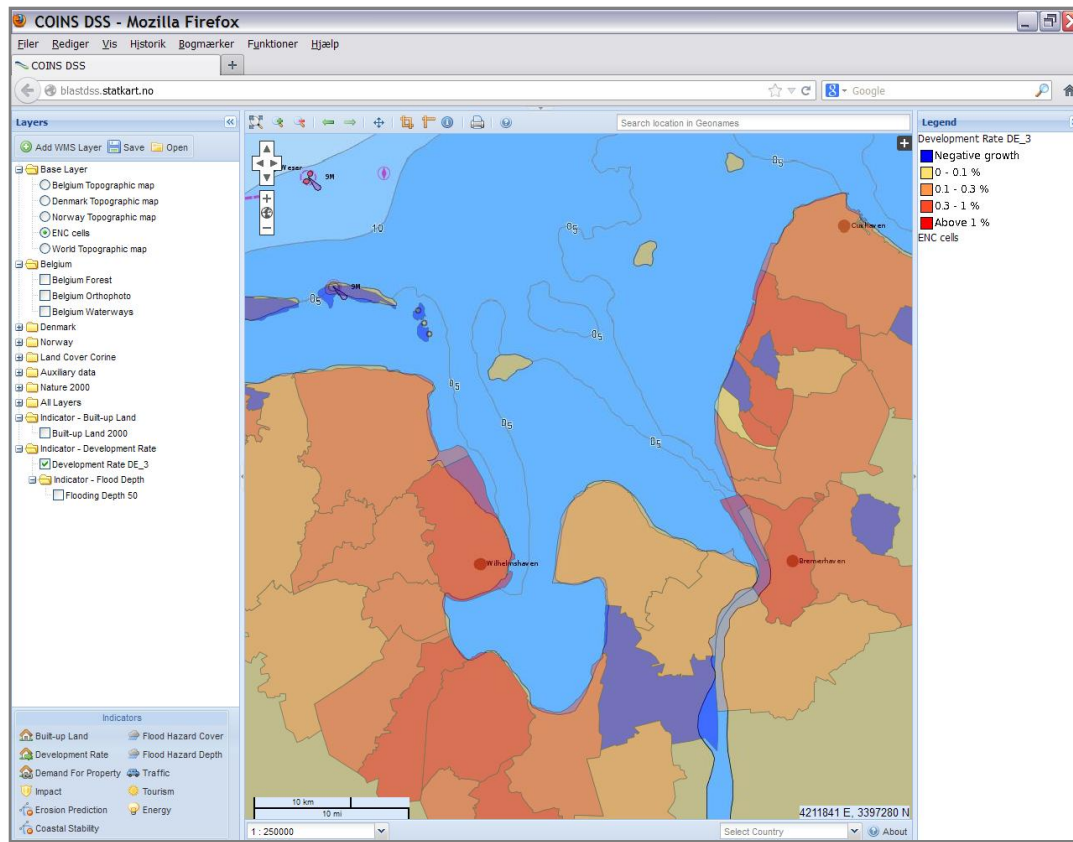


WP6: Climate Change and Integrated Coastal Zone Management (ICZM)

- Analyse and develop transnational concepts for ICZM design
- Develop a decision-support framework for ICZM in the context of climate change.
- Deploy, update and test the decision-support system in practical planning contexts in different municipalities.



WP6: COINS Portal



Results – vis a vis MSDI

- Shared, cross-boundary solutions for better integration of marine data
- Metadata solution
- Shared vertical reference datum, plus transformation tools
- Portal solutions for shared access to updated information
- Governance tools for collaborative development and ownership
- Input from public authorities and private companies across the user spectrum



Thank you for your attention.

www.blast-project.eu