



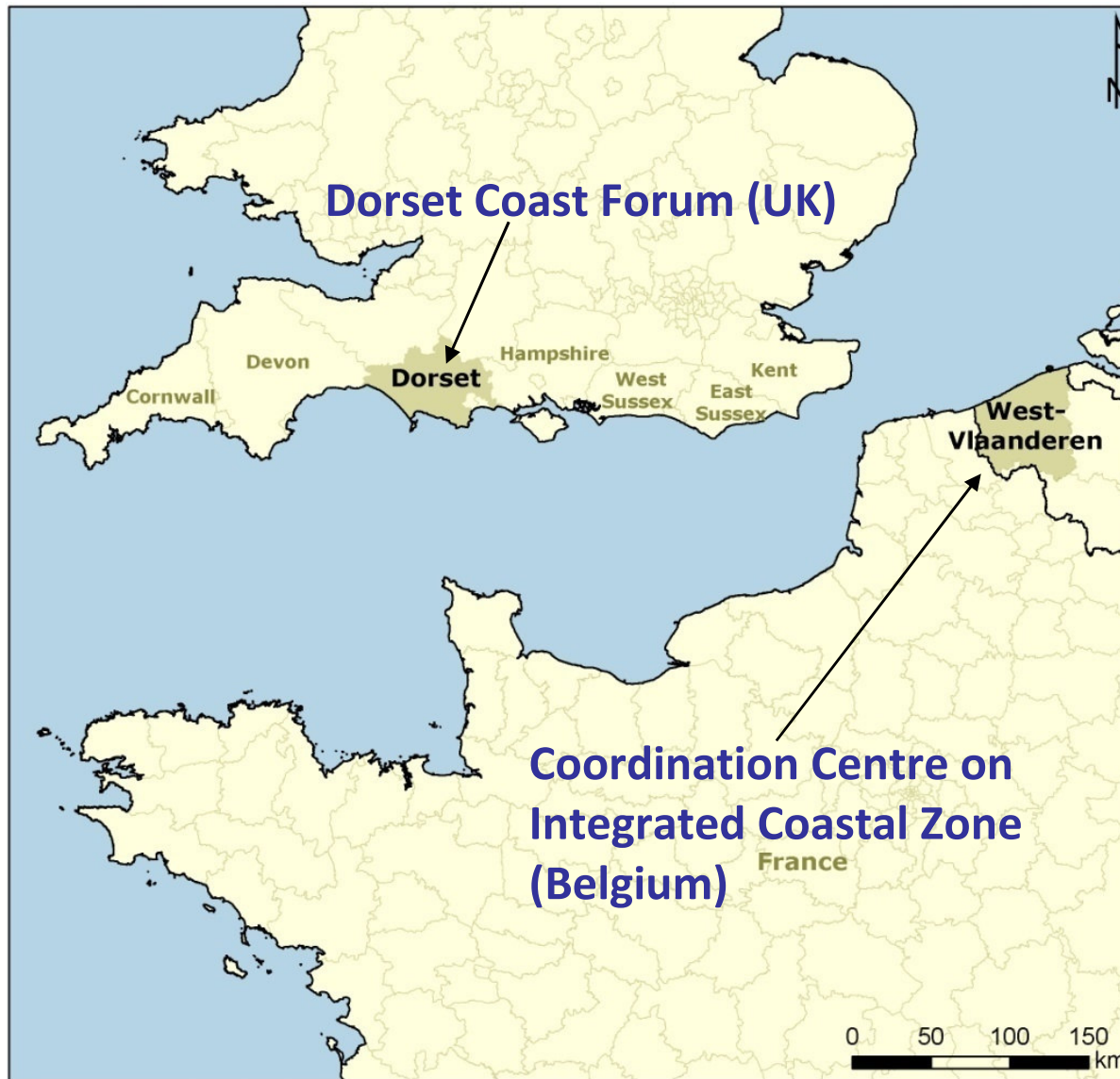
Delivering MSP in Dorset and Belgium

Ness Smith, C-SCOPE Project Officer

Kathy Belpaeme, Coordination Centre on ICZM
Project leader



C-SCOPE Project Partners



Some C-SCOPE facts

- Co-financed by: the Interreg 2 seas programme
- Project leader: province of West-Flanders
- Start date: July 2008 – end date: December 2011
- Total budget: 1,8 million EURO



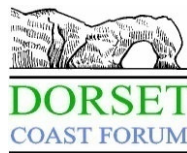
C-SCOPE has three key activities

1. Developing a framework for integrating terrestrial and marine planning
2. Development of tools for achieving sustainable coastal economies and environments
3. Achieving commitment to ICZM through stakeholder engagement



Benefits of transnational working

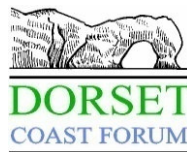
- Compare approach and methodology for MMA and development of Management Plan.
- Testing Marine Management Plan at different scales
- Special attention to integrated land/sea planning and stakeholder participation in both cases.





DEVELOPING A FRAMEWORK FOR INTEGRATING TERRESTRIAL AND MARINE PLANNING

Marine Spatial Plan, Dorset



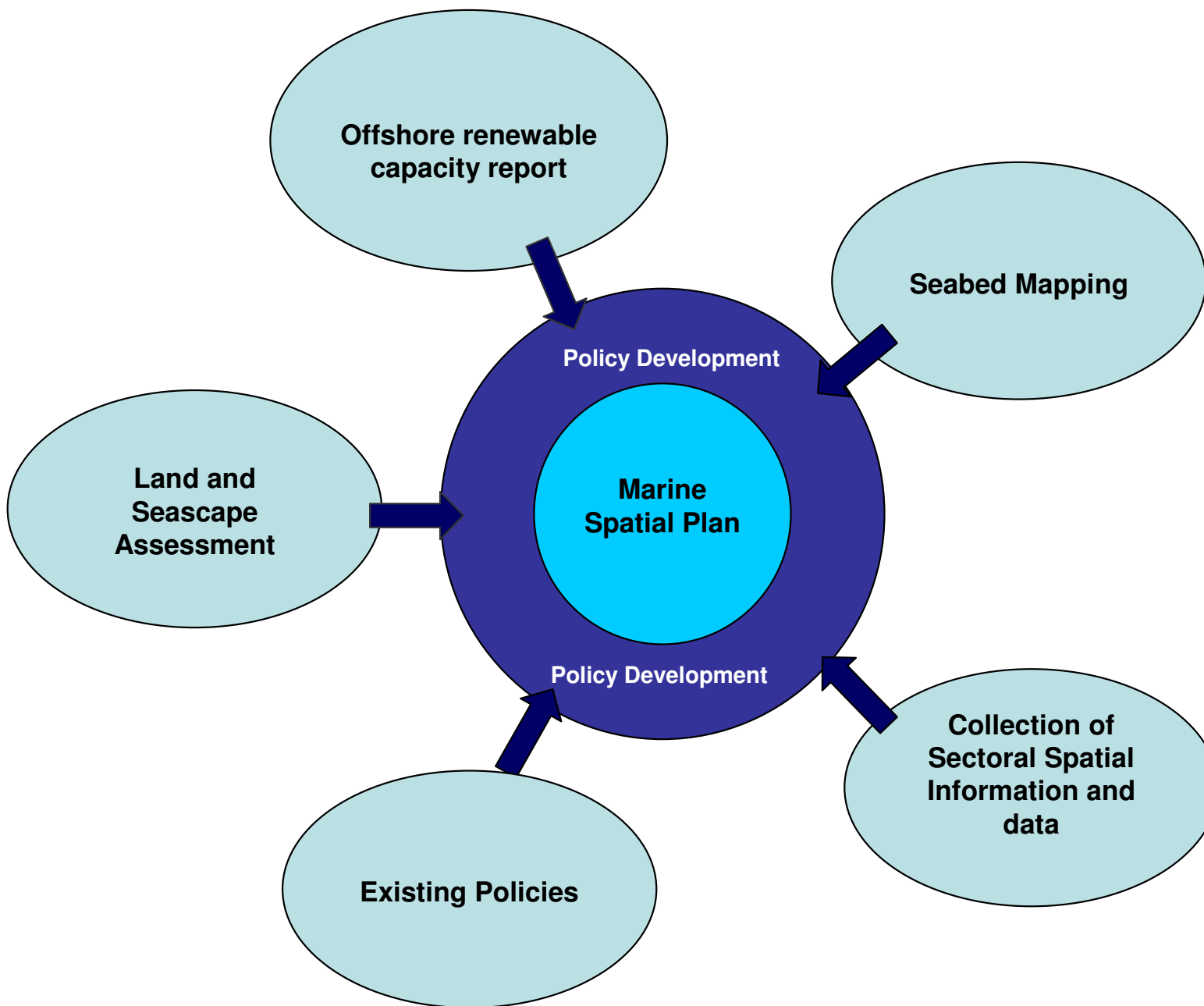
Five key elements will inform the plan

- 🌀 Establishment of the Dorset Marine Management Area (MMA)
- 🌀 A seabed map of the MMA
- 🌀 Land and seascape assessment
- 🌀 Offshore renewable capacity
- 🌀 Collation of spatial and temporal maritime sector data

Leading to:

- 🌀 Establishment of an effective pilot Marine Plan
- 🌀 A world class Marine Management Area that is an exemplar for Integrated Coastal Zone Management







The Dorset MMA has been chosen because:

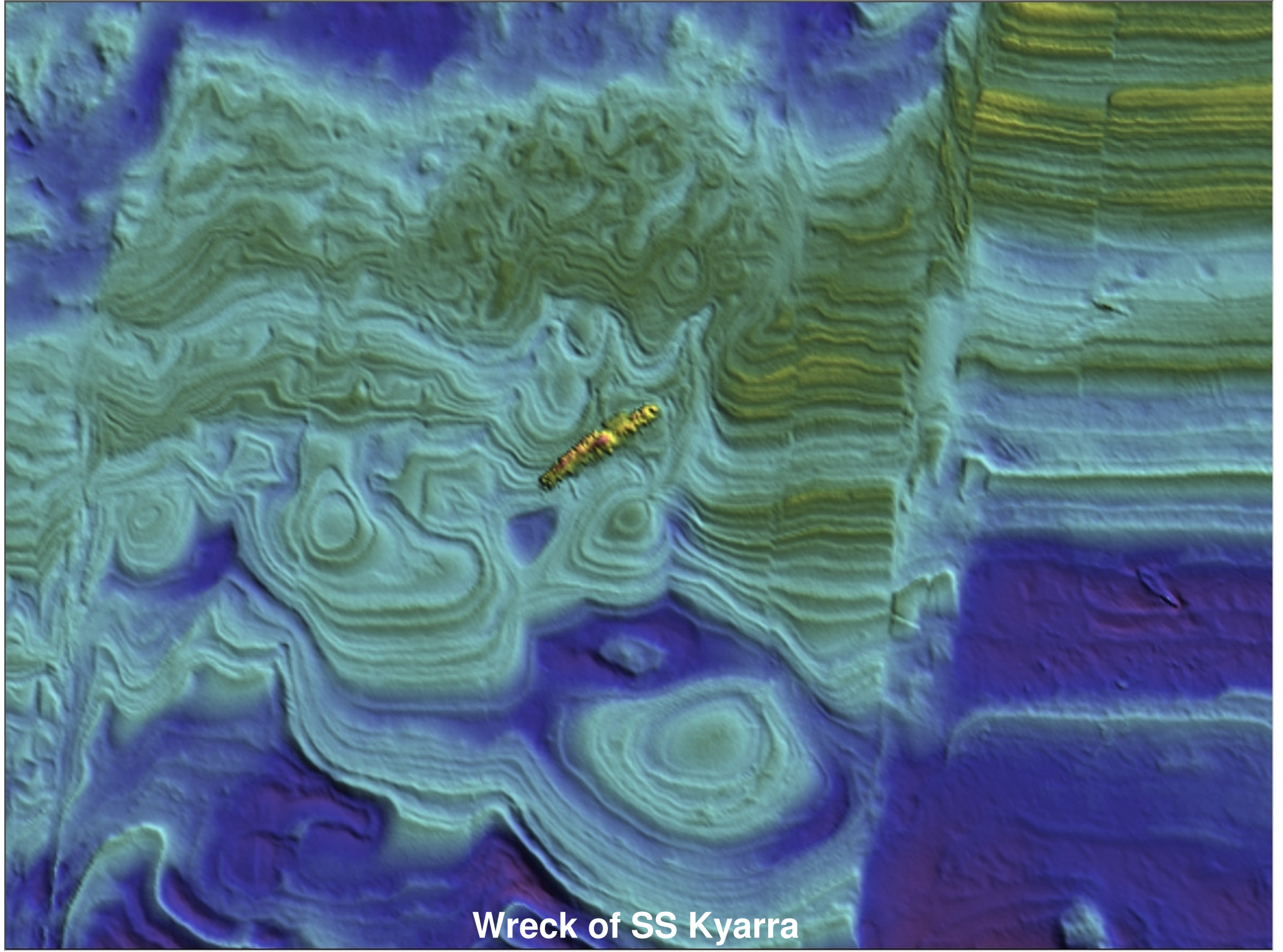
- 🌀 It includes the coastal waters in which the 2012 events will be held as a focal point
- 🌀 It is large enough to include a variety of types of coastline with a full range of activities, uses and potential conflicts
- 🌀 It is small enough to make for a manageable pilot project



Seabed mapping

- MCA, CCO, DWT and Navy completed 800km² of multibeam survey to within 1m of chart datum
- Unprocessed bathymetry and backscatter data used to plan seabed video/still photography transects. Currently being analysed to produce first detailed habitat maps
- Dorset Seasearch divers surveyed a number of targets identified from the multibeam data
- DWT carrying out an intertidal biotope mapping survey based on ground-truthing aerial photographs
- Gap between multibeam data and terrestrial LIDAR data is mostly covered by aerial photographs





Wreck of SS Kyarra

Land and seascape assessment

A landscape/seascape capacity study will determine the visual capacity of Dorset's coastal environment to accommodate offshore renewables and other coastal infrastructure without negatively affecting landscape/seascape quality and experience.

- Recently appointed consultant
- Ground-breaking approach, more in-line with MSP
- Perception study to inform characterisation and evaluation
- Forces for change identified to inform guidelines



Offshore renewable capacity

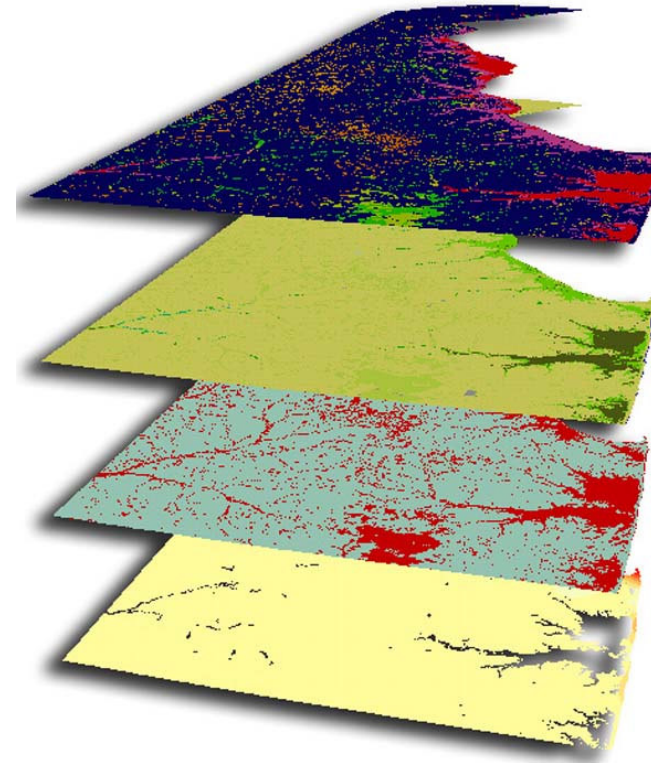


- 🌀 Compile information on marine renewable energy technologies and potential operating conditions
- 🌀 Source best available regional datasets
- 🌀 Identify potentially suitable resource locations
- 🌀 Overlay suitable resource locations onto constraints data layers
- 🌀 Produce layers indicating appropriate and inappropriate areas for offshore renewable energy developments



Collation of spatial and temporal maritime sector data

- Full time GIS Officer
- Data from many sources – free where possible
- Metadata base established
- Student collated policy documents – over 200 international, European, national and local/regional policies
- Prioritisation of policies
- Maintenance of data is key



Sectoral Interactions


- Full sectoral interaction analysis will be undertaken
- Hope to follow similar model to the Firth of Clyde SSMEI project
- Interactions matrix, completed by key stakeholders

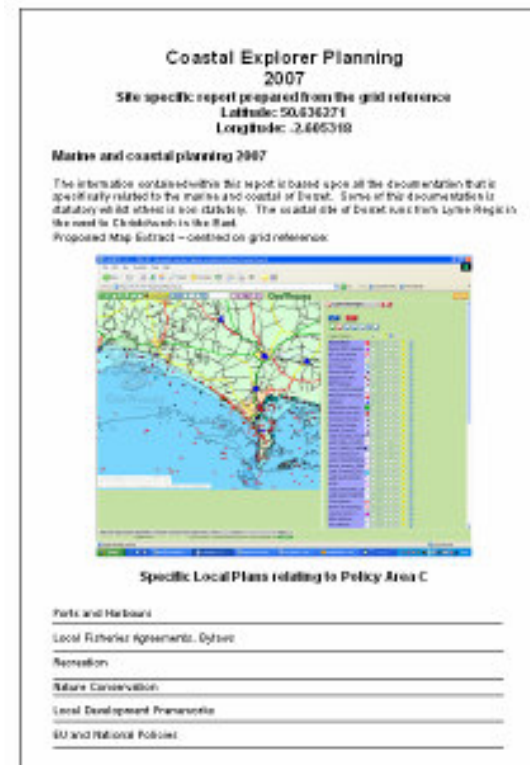
		Aquaculture			
		Onshore finfish	Offshore finfish	Shellfish	Processing
Renewable Energy	Offshore Wind	Neutral	Positive	Neutral	Neutral
	Wave	Neutral	Positive	Neutral	Neutral
	Tidal	Neutral	Positive	Neutral	Neutral
Subsea cables and pipelines	Electricity	Neutral	Neutral	Neutral	Neutral
	Oil/Gas Pipelines	Conflict	Conflict	Neutral	Neutral
	Telecomms	Neutral	Neutral	Neutral	Neutral
Inshore fisheries	Nephrops trawl	Neutral	Conflict	Competition	Neutral
	Scallop dredge	Neutral	Conflict	Conflict	Neutral
	Demersal trawl	Neutral	Conflict	Competition	Neutral
	Pelagic trawl	Neutral	Conflict	Neutral	Neutral
	Longline	Neutral	Conflict	Neutral	Neutral
	Creel	Neutral	Conflict	Neutral	Neutral
	Dive	Neutral	Conflict	Competition	Neutral
	Processing	Neutral	Neutral	Neutral	Neutral
Aquaculture	Onshore finfish		Positive	Neutral	Positive
	Offshore finfish	Positive		Competition	Positive
	Shellfish	Positive	Positive		Positive
	Processing	Positive	Positive	Neutral	
Shipping and transport	Tankers	Neutral	Conflict	Conflict	Neutral
	Bulk carriers	Neutral	Conflict	Neutral	Neutral
	Container vessels	Neutral	Conflict	Neutral	Neutral
	Coastal bulk cargo	Neutral	Positive	Neutral	Neutral
	Ferries	Neutral	Conflict	Neutral	Neutral
	Cruise ships	Neutral	Conflict	Neutral	Neutral

Extract from Clyde Interaction matrix



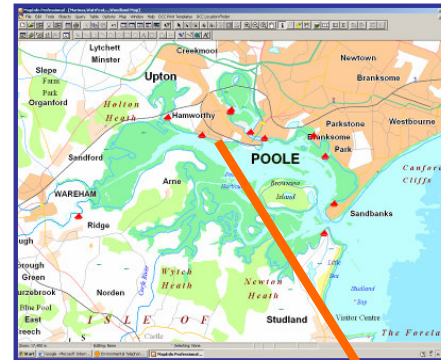
Development of tools for achieving sustainable coastal economies and environments

 Coastal Explorer Planning will be a unique and innovative tool that will provide information on prevailing policies, ecology, current uses and land/seascape features for planning professionals



Achieving commitment to ICZM through stakeholder engagement

Establishment of Coastal Explorer Interactive and provision of a series of hi-tech interactive Coastal Explorer Access Points



Marina name	
Contact	Rockley Boat Park E: boatpark@bourne-leisure.co.uk T: 01202 665001
Facilities	
No. of marina berths	32
Maximum length	27ft
No. of swinging moorings	50
Maximum draught	5ft
Jet Ski compound	Y
Slipway	X2
VHF	N
24 hour access to water	Y
24 hour security	Y
Petrol	N
24hrs	N
Diesel	N
24hrs	N
Electricity nearby	Y
Electricity on pontoon	Y
Fresh water nearby	Y
Fresh water on pontoon	N
Pump out/Waste disposal	N
Shore storage	Y
Travel hoist	N
Gantry hoist	N
Chandlery	N
Boat or engine repairs	Y
Sailmaker	N
Tide and weather information	Y
Car parking	Y
Toilets	Y
Disabled access for toilets	N
Hot showers	Y
Laundry facilities	N
Public payphone	N
Bar/Restaurant	Y
Shop/basic provisions nearby	Y
RYA tuition	N



Stakeholder Engagement

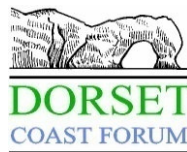
- 🌀 Steering Group – represent core DCF membership
- 🌀 Four Task & Finish Groups
- 🌀 All members of DCF invited to sit on the group of their choice
- 🌀 Pro-active groups – work is expected!
- 🌀 Are not (and can not) be fully representative
- 🌀 Wider engagement to include workshops and talks at community level





DEVELOPING A FRAMEWORK FOR INTEGRATING TERRESTRIAL AND MARINE PLANNING

Marine Management Area Heist



Framework for integrated terrestrial and Marine Planning

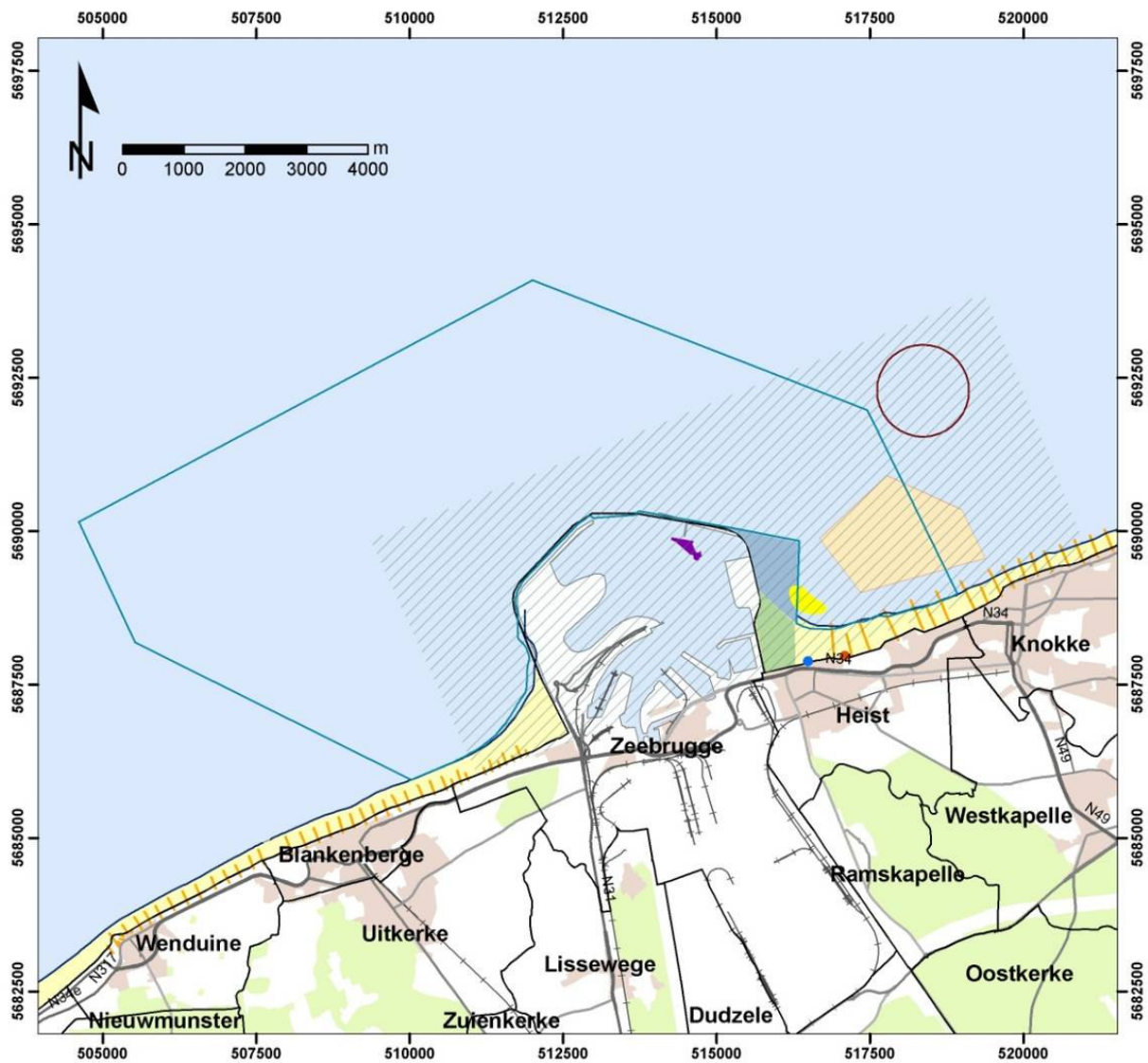
- Theoretical and conceptual approach: expert team
- Practical approach: Heist Marine Management Area



MSP Expert team

- 🌀 End product: Position paper describing recommendations on the way forward for MSP in Belgium and relation with our English partner.
- 🌀 Chair: Fanny Douvere (UNESCO, MSP-Expert)
- 🌀 Experts on: spatial planning, marine law, architects, policy experts...

Marine Management Area Heist



Europe

The Belgian coast line




Heist

Port of Zeebruges



Marine Management Area Heist

...has been chosen because:

-  It includes the land AND the sea
-  It includes a full range of activities, uses and conflicts
-  It is small enough to make for a manageable pilot project



April 2008



February 2005



28.02.2005 10:14

**Terns refuge
in harbor**

**Marine
Protected area**

**Special protection area 3
Bird directive
"Zeebrugge – Heist"**

**Fluxys LNG
terminal**

**Growing
sandbank**

**Port of
Zeebrugge**

**SPA
Habitat directive
Dune areas (Zwin)**

**Protected
Beach
reserve**

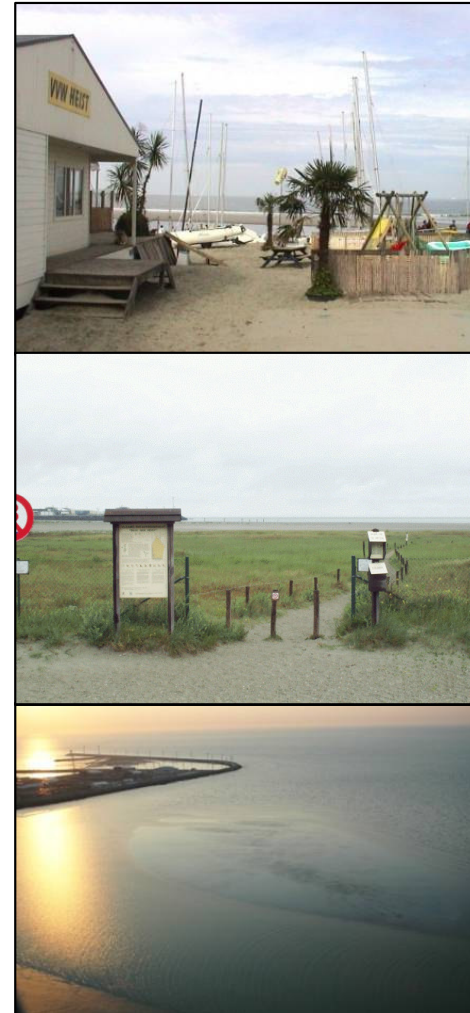
**Nature reserve
"Baai van Heist"**

**VVW Heist
Water sports centre**



Players

- VVW Heist – surf club
- Recreational activities on the beach
- Beach nature reserve Heist
- Natura 2000 Marine protected area
- Sand bank
- Harbour of Zeebrugge



Marine Management Area Heist

- 🌀 Long-term vision for Heist's coastal and marine area
- 🌀 Socio-economic analysis of the touristic functions of Heist & impact of growing sand bank



A growing sandbank: current consequences

- 🌀 Dangerous situation
 - 🌀 Upcoming tide can surprise people, “visiting” the sandbank
 - 🌀 (kite) surfers are obliged to move to the east, but are limited by groyne no. 51
 - 🌀 Submerged sand bank can obstruct rescue operations



A growing sandbar: future consequences



● Social-economical

● Enlarged beach

- Larger distance between dike and sea
- 2 km intertidal beach: activities?
- “Wet” beach less attractive for beach users



A growing sandbar: future consequences

Sand bank

- Activities, starting at the current location of the water sports centre VVW Heist are impossible
- the next water sports centre Royal Belgian Sailing Club Duinbergen (2 km eastward) will be obstructed

Negative impact on economics



""Noordzee-watersporter stilaan bedreigde diersoort"



DUI
“We stellen vast dat
aalscholvers

Algemeen voorzitter Steven Desloovere van de Vlaamse Vereniging voor Watersport (VWW) heeft in een open brief aan federaal staatssecretaris voor Mobiliteit Etienne de CD&V en de Vrije

Handwriting

BRUGGE/HEIST

Surtels v. gisteravond

[illegible]

Een ongewone
korte termijn aan te pakken niet
zo het lokale kustoerisme in de lange-
te laten versmoren in de lange-

Meer info: www.vwweist.be (JHI)

KUSTREDDINGSDIENST ONTVANGT NIEUW MATERIAAL
Redders helpen

Redders helpen drenkelingen vlakbij strand met speciale kajak

**n is begonnen voor de kustred-
n kregen de reddingsdiensten
hun nieuw materiaal. De
est opmerkelijke nieuwig-**

[illegible]

Ook terreinwagens worden voortaan op het strand gebruikt. Foto JVK

pen Ceirinx van Knokke-Heist, door IKWV-voorzitter Johnny Dewey of door gouverneur van West-Vlaanderen Paul Breyne, was de bewondering voor de red-
ders die van onze stranden de best bewaakte kustlijn van Euro-
pa maken.

More than a spatial plan

- 🌀 Social-economical analysis
- 🌀 Multifunctional use
 - Different sectors
- 🌀 Spatial plan
- 🌀 Stakeholder involvement!

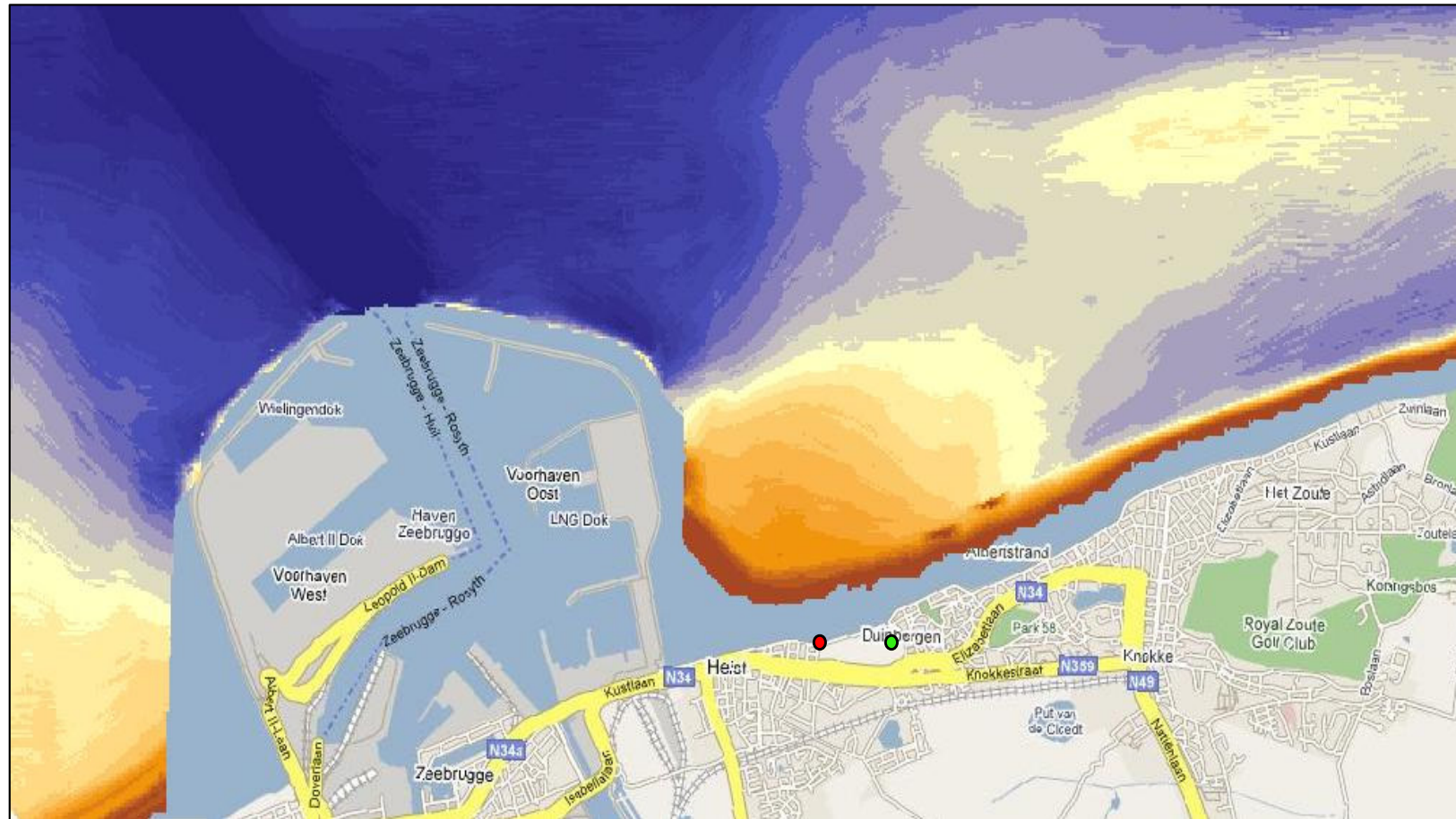


Long term vision

- 🌀 Description of the area, including the juridical status, current use, sectors
- 🌀 and parties involved
- 🌀 Inventory of relevant policy documents
- 🌀 SWOT analysis
- 🌀 Description of the developments of the sandbank and prognoses
- 🌀 Evaluation of beach morphology in Knokke-Heist
- 🌀 A socio-economic analyses of the recreational uses of the beach
- 🌀 A questionnaire with the beach users will support the long-term vision



Scientific modelling: behaviour of the sand bank



Source: Rijkswaterstaat Zeeland

Socio-economic analysis

- 🌀 What is the impact of the growing sandbank on the recreational use of the beach?
- 🌀 What are the threats and opportunities for the recreational sector?
- 🌀 Which future scenarios can be developed for a new use of the beach in the future to ensure the recreational return in Heist and Duinbergen?



Working together presents many opportunities

- 🌀 We can exploit the advantages of our respective skills
- 🌀 The maritime sectors are common to both parties, and this cross-border cooperation provides an excellent opportunity for exchange of experiences and ideas
- 🌀 We can deliver outputs which will have wider implications for the European Community



Joint outputs for each activity

1. Working Coastal and Marine Plans for the pilot areas
2. A non-technical guide on coastal planning and management
3. A report detailing the best methodology for effective stakeholder engagement





With special thanks to our funding partners
and all our coastal stakeholders

