### Maritime spatial planning – the EU roadmap and information needs

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EEA/EIONET workshop – Maritime and coastal information systems 18-19 Nov 2009, Trieste, Italy

### EU Integrated Maritime Policy and Maritime Spatial Planning

### • IMP 2005 - a new vision for Europe's oceans and seas

- Applying the integrated approach to maritime governance
- Developing tools for integrated policy-making

#### • IMP Green paper 2006 – wide consultation

#### • IMP Blue Paper and Action plan 2007-2010

- Planning of coastline (ICZM)
- New Maritime Planning Tools (MSP)

#### Commission's roadmap for MSP 2008

 10 key principles emerging from maritime spatial planning practice

#### • Commission's progress report Oct 2009

- building the knowledge base and cross cutting tools
- regional approach

#### Key principles emerging from maritime spatial planning practice

(European Commission 2008)

- 1. Using MSP according to area and type of activity
- 2. Defining objectives to guide MSP
- 3. Developing MSP in a transparent manner
- 4. Stakeholder participation
- 5. Coordination within Member States simplifying
- decision processes
- 6. Ensuring the legal effect of national MSP
- 7. Cross-border cooperation and consultation
- 8. Incorporating monitoring and evaluation in the planning
- process
- 9. Achieving coherence between
- terrestrial and maritime
- spatial planning relation with ICZM
- 10. A strong data and knowledge base



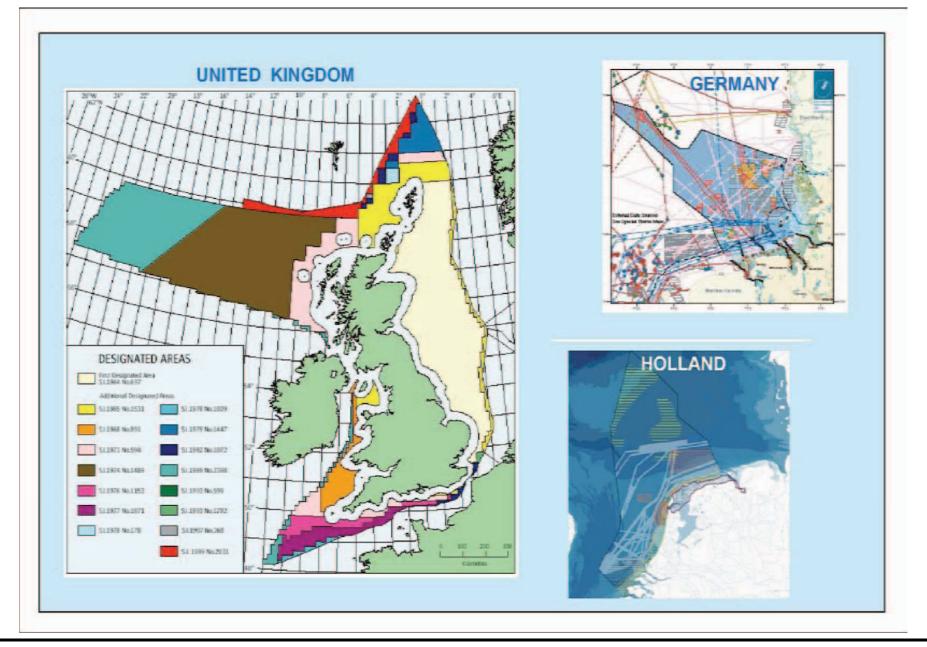
# Varying approaches, same objective - coordinated allocation of marine space

- Maritime spatial plans will become of statutory nature on the basis of <u>extending terrestrial planning law</u> to marine areas (e.g. Germany, territorial waters and EEZ);
- Strategic or <u>integrated management plans</u> that provide overall framework and aim to give guidance for both existing and new maritime activities regarding sustainable use of marine resources (e.g. the Netherlands, Norway);
- National <u>framework laws</u> (marine bills) to implement a national integrated maritime policy and to steer future maritime development in sustainable way (e.g. UK and Scotland, Sweden adopted in 2009).

# Establishing priorities, integration and conflict-resolution

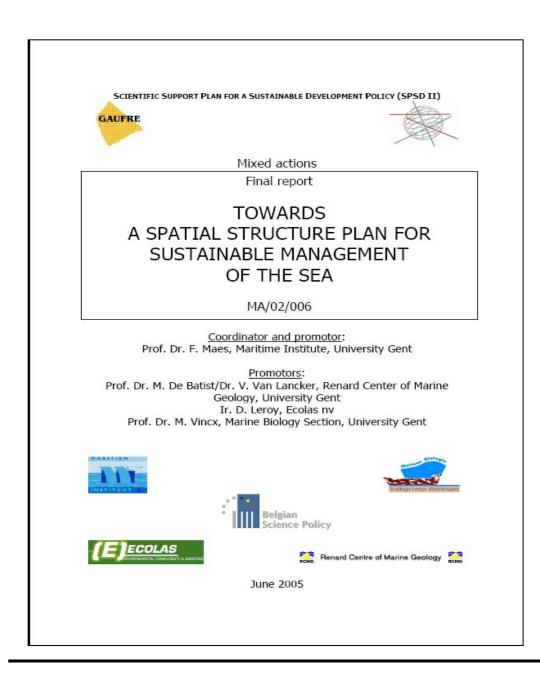
KEY ASPECTS OF MARINE SPATIAL PLANNING					
Jurisdictions	Limits of TS, EEZ and Continental Shelf				
Shipping	Routes, traffic separation schemes, anchorages, restricted areas, etc.				
Hydrocarbons exploitation	Platforms, pipelines				
Energy production	Power stations (e.g.: wind.)				
Dumping	Siting of areas				
Nature conservation	Protected areas, ecologically important areas				
Military operations	Areas for shipping and manoeuvres, firing ranges, etc.				
Underwater cables	Path taken by cables				
Aquaculture	Siting and surface area of areas				
Sediment extraction	Siting of areas				





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### The GAUFRE project (2003-2005)

#### General objective:

*Establish the <u>scientific</u> <u>foundations</u> for the development of a spatial structure plan for Belgian Part of the North Sea* 



### EEA and Maritime Spatial Planning

- Assure that environmental component is adequately represented in the MSP framework
  - Provision of relevant environmental data (e.g.transboundary aspect)
  - Experience from building datasets, indicators and information systems

#### • Benefit from other MSP information components

- Socio-economic data, sector plans
- Incorporate in to EEA integrated assessments for SoER in Europe

#### • Methodological approaches for MSP monitoring and reporting

- Experience with regional assessments and spatial analysis
- Environmental accounting and spatial change monitoring
- Support establishing of system for the exchange of best practice

#### Key principles emerging from maritime spatial planning practice

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# Marine, coastal and maritime data and indicators in the EEA

#### Water Information System for Europe (WISE)

- WFD and coastal water bodies
- WISE-Marine and MSFD reporting products
- Marine environment indicator development (incl fisheries)

#### Environmental data centre for Land use

- Land and ecosystem accounting in coastal zones
- Indicators and data for Integrated Coastal Zone Management
- Maritime space characterisation, incl zones and habitats (TBD)

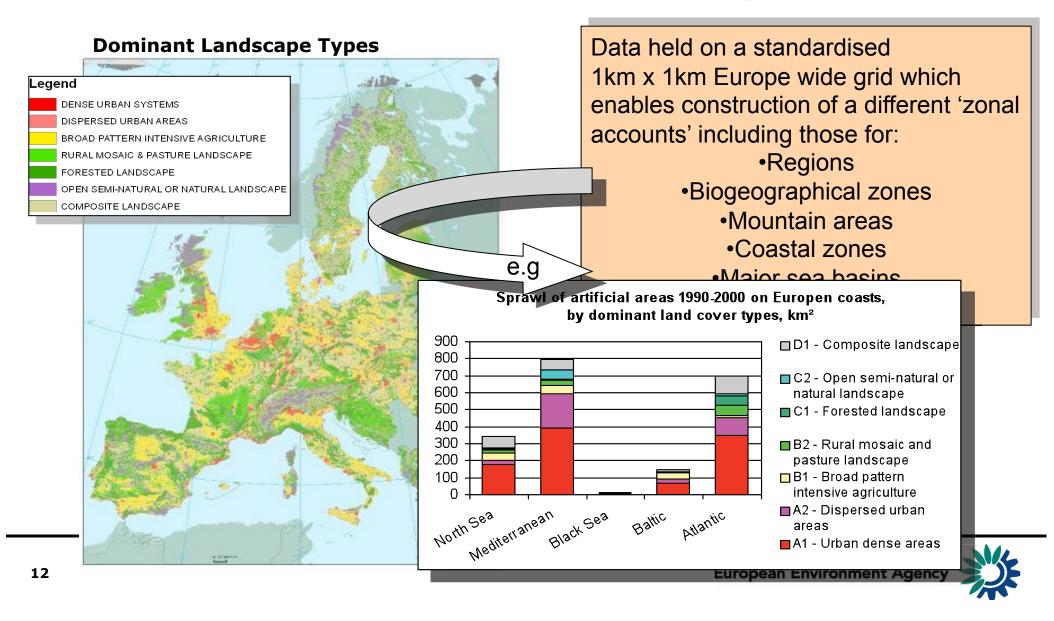
#### • Maritime sector data – sea transport, energy etc.



### Nested approach: multi-scale analysis

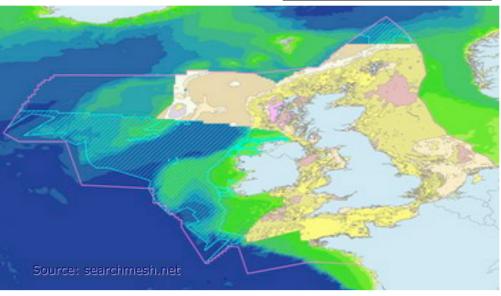
Governance level	Typical land data, spatial resolution		
Global, pan-European International agreements, global objectives	GlobCover GlobCORINE (reclassified) EuroGlobalMap 300 m		
European market National/regional government Policy design and implementation guidelines, enforcement	CORINE Land Cover EuroRegionalMap GMES High resolution LC 100 m		Land and ecosystem accounting at 3 different interconnected scales grids-based statistics
Local Action and policy implementation, monitoring	GMES High resolution LC national sources surveying 0.1 - 10 m		

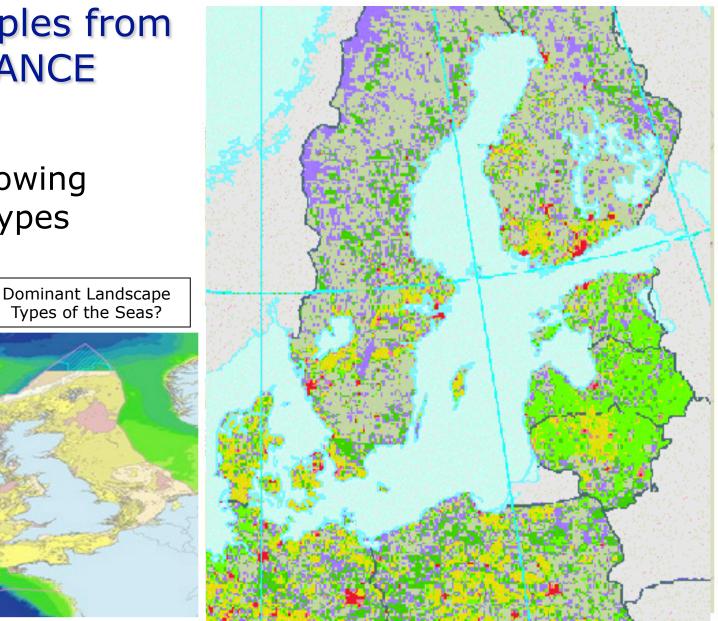
## Mapping & analysing stocks and flows – can we account for Maritime space?



### Relevant examples from MESH and BALANCE projects

- Seabed map showing EUNIS habitat types
- Benthic marine landscapes →





# DEDUCE Sustainable Development of European Coastal Zones

#### Mewsletters :

News letter nr 1 (Winter 2006) News letter nr 2 (Fall 2007) News letter nr 3 (february 2007)

#### 🕛 Main output

Final Conference ,Brussels, 1st June 2007 Indicators Guidelines



#### Objectives Partners Background Results - Products Events

**DEDUCE** (Développement durable des Côtes Européennes) is a transnational project concerning Integrated Coastal Zone Management (ICZM), co-financed by the European Commission and the participating regions, in the framework of Interreg IIIC South.

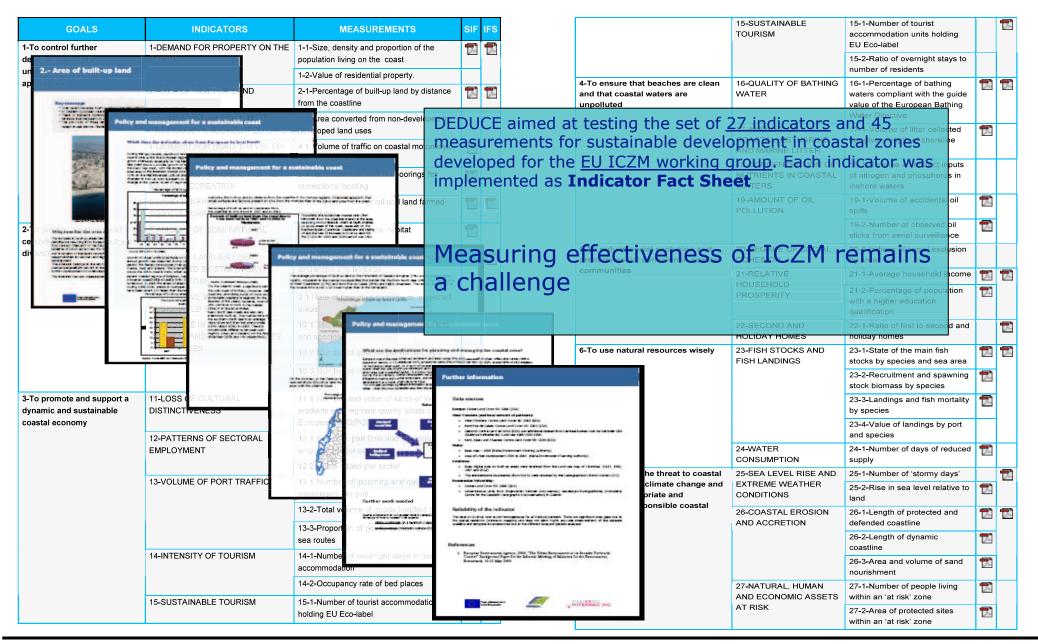
Its main objective is to evaluate the utility of indicators for optimal decision making on the coast, following the principles and criteria established by the EU Recommandation on ICZM.

Nine partners representing all decision-making levels (European, national, regional and local) are carrying out the project, which runs from October 2004 to June 2007.





Partners





# MSP: a step-by-step approach towards ecosystem-based management

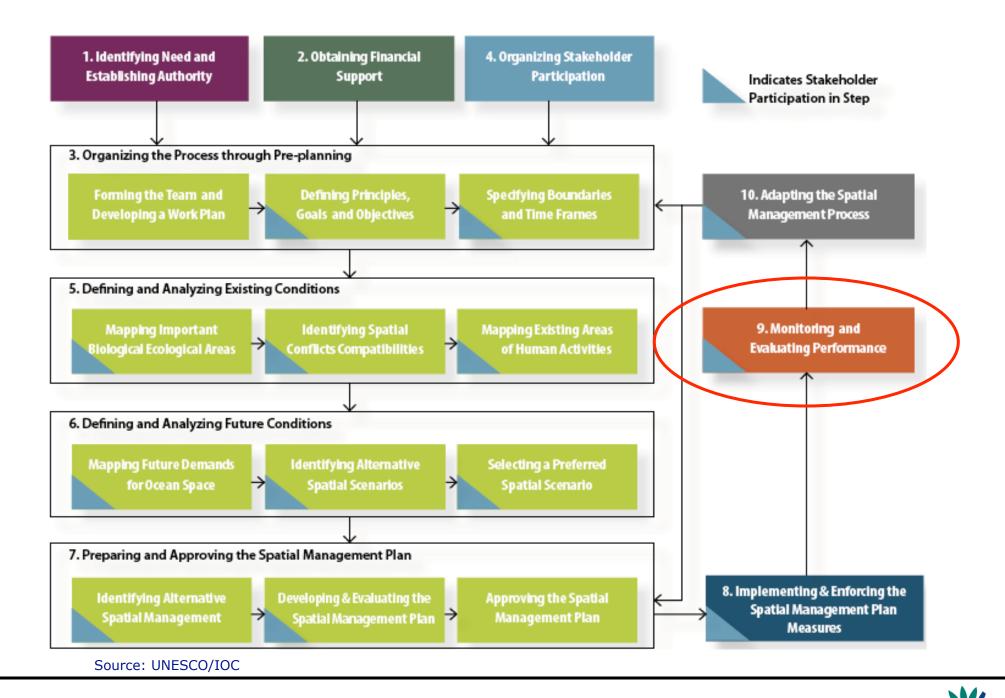
- UNESCO/IOC Guide 2009
  - Implementation framework of 10 steps (34 tasks)

#### • Main considerations:

- MSP is not a one-time plan. Adaptive approach;
- Allow pro-active decision-making. Incorporate future thinking;
- Multiple objectives, not just nature conservation or just economic development; integrate various sector needs;
- Boundaries for planning relevant from an ecosystem perspective. Analysis should beyond administrative boundaries.

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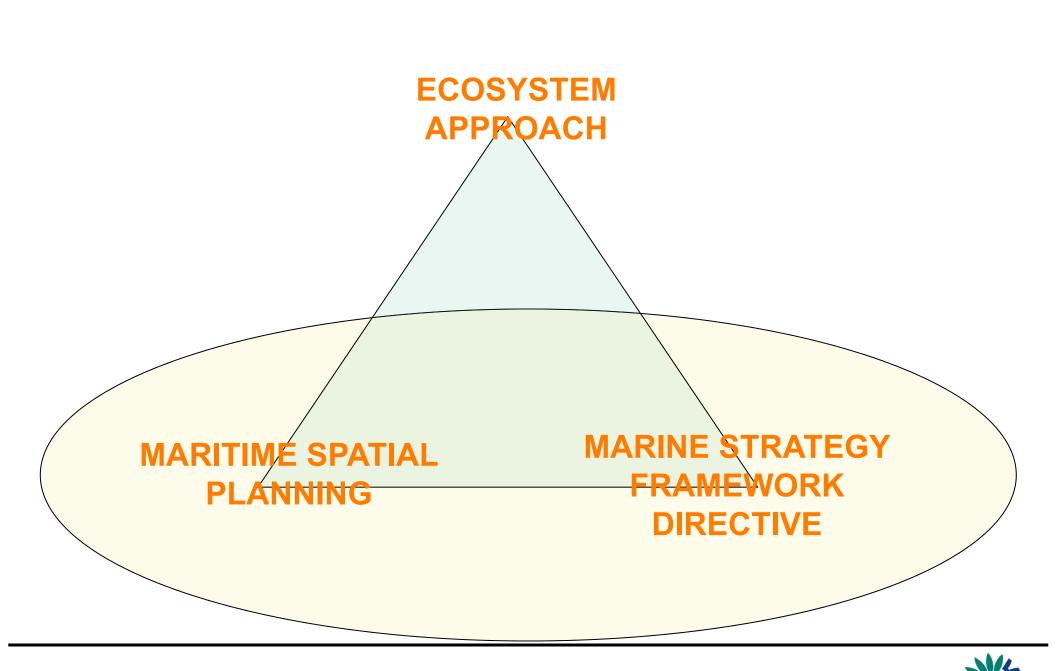
SPATIAL PLANNING



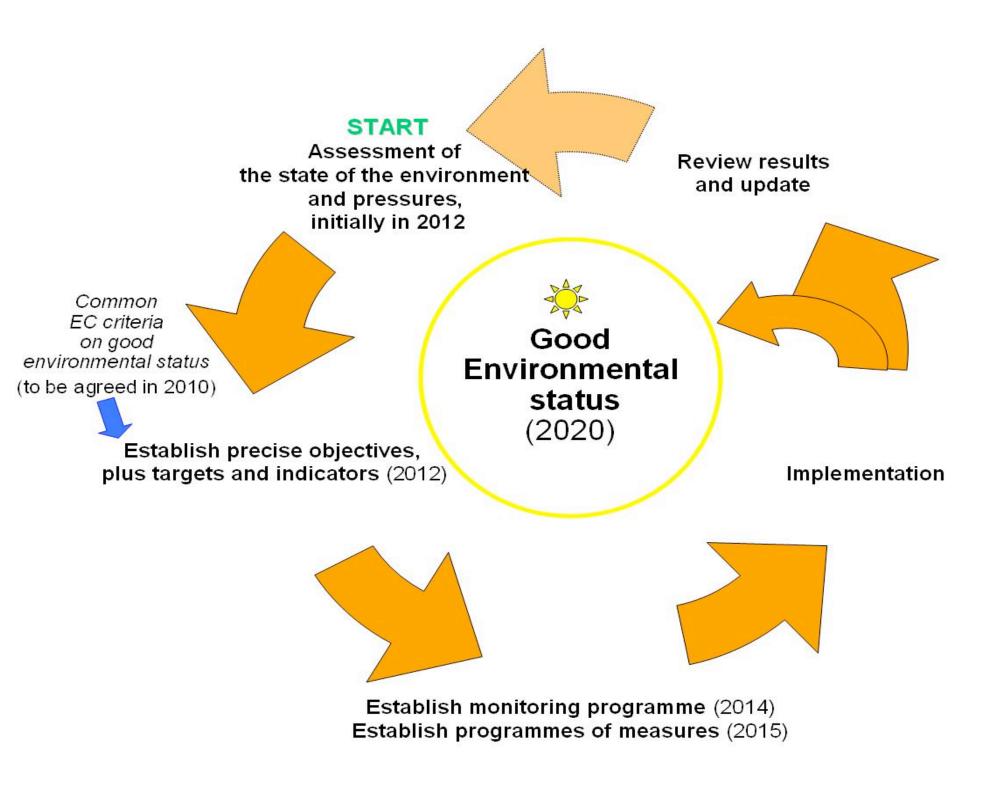
# Step 9 – Monitoring and evaluating performance of MSP

Task 1. Developing the performance monitoring programme Task 2. Evaluating performance monitoring data Task 3. Reporting results

- Agreed objectives and management outcomes will each need:
  - indicator
  - baseline
  - target
  - data collection strategy
  - data analysis
  - reporting plan
  - identified users



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#### **MSFD and MSP cooperation**

- Common sustainability objectives
- MSFD Marine Strategy elements contribute to MSP
  - Initial assessment (i.e. problem definition current status)
  - Determination good environmental status (i.e. environmental objective formulation desired status/ 'outcome')
  - Targets and associated indicators (management objective formulation scoreboard/ 'output')
  - Monitoring programme (tracking progress)
  - Programmes of measures (actions to reach objectives)
- → Common knowledge base and data flows: mobilising information on spatial features, ecosystem properties, ecosystem status, socio-economic knowledge

### Thank you!

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