

# Sustainable Environmental Management *Workshop*

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# Interreg Support

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# Schedule

- Introduction to Sustainable Environmental Management *David Goldsborough*
- Projects
  - SAWA *Yvonne Andersson*
  - Sea meets land *Björn Sjöberg*
  - NSC Maritime Project *Martin Brebner*
  - **Your ideas and reflections e.g.**
    - North Sea Coastal and Maritime Strategy *Alex Midlen*
    - Network on operational management of the North Sea *Geert Schaap*
    - others
- Conclusions

# Sustainable Environmental Management

- What is this Sus. Env. Management?
- Eco ports, cradle to cradle regions, etc?
- People Planet Profit
- Framing of the concept is crucial
- Measurable, feasible, realistic, ...
- Integrated

# Integrated Maritime Policy

- Strong emphasis on integration and harmonization
- Maritime Strategy Framework Directive Challenges (2020 GES)
  - But Good Environmental Status still needs to be defined?
- Reform of the Common Fisheries Policy
- ICZM recommendation from the past
- Marine Spatial Planning
- Natura 2000 obligations
- Climate Change issues
- Sustainable Energy
- .....

# Reform of the CFP

- CFP has supposedly failed
- Search for a new approach
- Commission responsibility
- Regional approach?
- MSC certification?
- Interaction between Fisheries and other stake holders required (eg. Nature conservation)

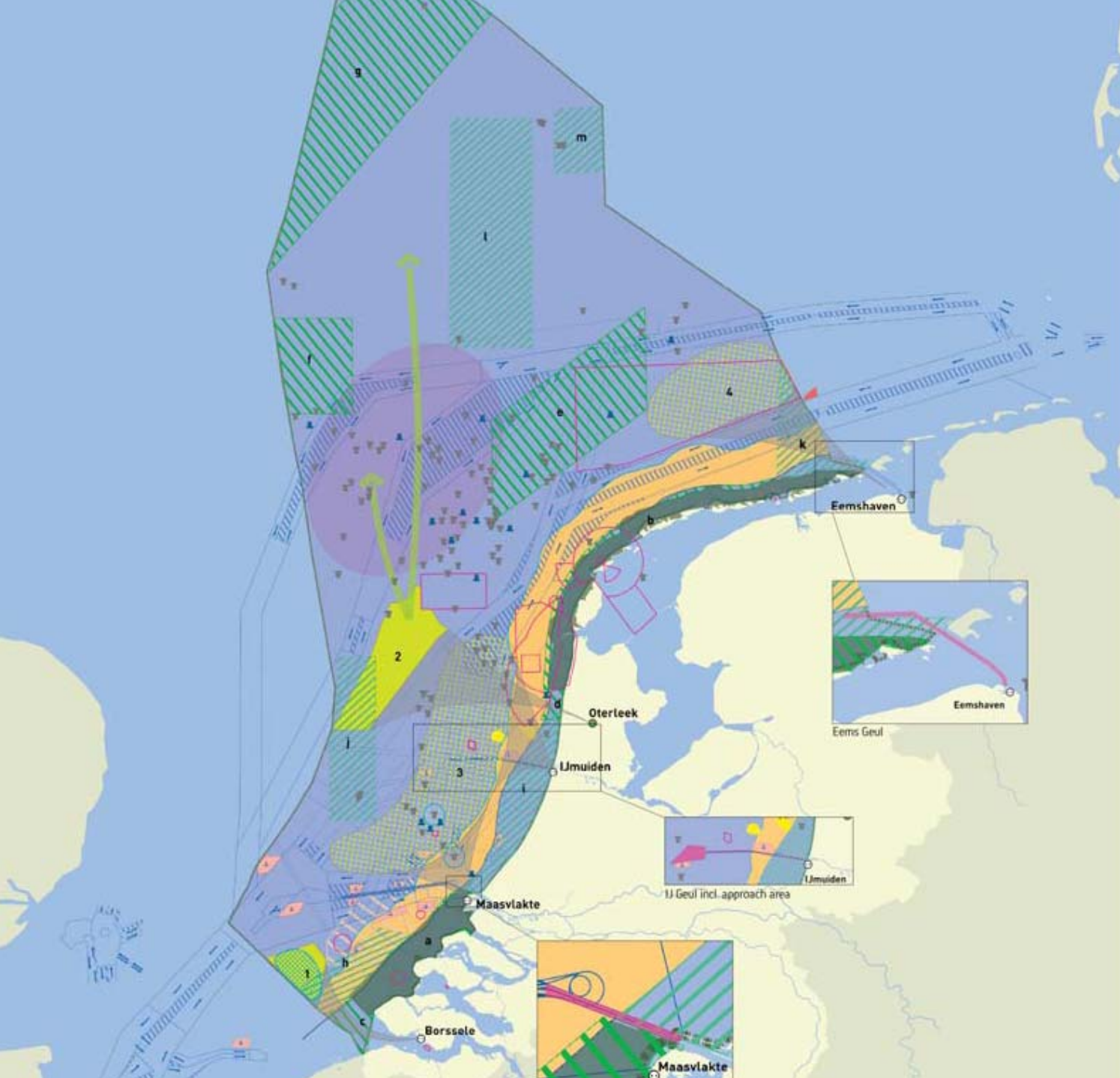
# Integrated Coastal Zone Management ICZM

- EU recommendation from the past
- Not very successful
- Coastal areas have the largest number of spatial conflicts
  - Tourism, industry, ports, maritime transport, housing, recreation, fisheries, aquaculture, etc.
  - Need for approaches and tools to effectively manage coastal areas

# MSP

- Member State responsibility
- Several countries are working on the issue:
  - NL National Water Plan
  - Germany
  - UK Marine Bill
- Increasing number of competing claims
- Not all resources are stationary
- Lack of trans boundary collaboration





- basis**
    - boundary of territorial waters (12-mile)
    - continuous NAP -20m line
  - shipping infrastructure**
    - boundary of traffic separation schemes
    - anchoring area
    - traffic separation zone
    - clearways
    - search area for anchoring ground for Eemshaven (in the German EEZ)
    - channels: amendment in study
  - oil and gas recovery platforms**
    - platform
    - underwater platform
  - sand extraction**
    - reserve area for replenishment sand and fill sand
    - reserve area for concrete and masonry
  - defence**
    - military training areas (incl. munitions)
  - marine ecological system**
    - national ecological network
    - Natura 2000 areas to be designated
    - designated Natura 2000 areas
    - other potentially ecologically valuable areas
  - wind energy areas**
    - windfarms
    - wind energy area
    - wind energy search area, to be set out in concrete terms before 2010
  - renewable energy in the long term**
    - core area oil and gas recovery, option large scale CO<sub>2</sub> storage after 2020
    - direction of development of renewable energy after 2020
- 1** Borssele  
**2** Ummuiden  
**3** search area coast of Holland  
**4** search area north of the Wadden Sea islands
- wind energy landing point**  
 Borssele; Eemshaven; Ummuiden; Maasvlakte  
 Oterleek (possible landing point)  
 search area wind energy cables to landing point
- marine ecological system**  
 a Voordelta  
 b North Sea Coastal Zone  
 c Vlakke van de Raan  
 d Expansion of North Sea Coastal Zone  
 e Frisian Front  
 f Klaver Bank  
 g Dogger Bank  
 h Zeeland Banks  
 i Territorial sea  
 j Bruine Bank [Brown Bank]  
 k Borkumse Stenen  
 l Central oyster fields  
 m Gasfonteinen
- 1** Geul incl. approach area

# Natura 2000 obligations

- Marine protection and conservation
- Coherent network of MPAs
- But what is protected?
  - Habitats
  - Species
- Link with other activities not clear (fisheries, sand extraction, ect.)
- Effect of climate change on eco systems?

# Climate change

- Need for adaptation strategies
- Consequences for eco-system based environmental protection?
- Serious coastal defense issues
- Shifts in future land and sea use?
- What measures need to be taken to reduce climate change?

# Sustainable Energy

- Wind energy (spatial claims land and marine environment)
- Bio fuels (spatial claims land and marine env.)
- ....

# How can you deal with this?

- Anticipate the future: MSFD, MSP, IMP, Natura 2000, etc. Be informed!
- Think in terms of integration
- Look for synergy
  - In your own sector
  - With other sectors (stake holders)
  - In a regional setting
- Formulate goals that fit into future expected requirements
- Address the science policy interface
- Be realistic and aim for achieving real results that ‘stick’
- Knowledge dissemination in your own organization and network is crucial for this

# Discussion per project

- What are the challenges of this project?
- Who (and with what expertise) needs to be involved to make it work?
- How can this project make a lasting impact?
- What are your concerns regarding the project?

# Project ideas

- *SAWA Yvonne Andersson*
- *Sea meets land Björn Sjöberg*
- *NSC Maritime Project Martin Brebner*
- **Your ideas e.g.**
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