



BALANCE

Synthesis: Ecologically coherent network of Marine Protected Areas in the Baltic Sea

BALANCE Conference

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Objectives

- 1. Develop tools and methods for MPA network planning (including developing and demonstrating the Blue corridors concept)
- 2. Assess the ecological coherence of the existing MPA networks (first attempt).
- 3. Select an MPA network representing the the marine landscapes and habitats in the Baltic Sea (first attempt).







Political Frameworks

- The Habitats Directive (1992): A <u>coherent</u> European ecological <u>network</u> of special areas of conservation.
- IUCN (2001): A coherent network maintaining and restoring...
- Word Summit on Sustainable Development (Johannesburg 2002): Ecological <u>networks</u> are key instruments.
- Environment for Europe (Kiev 2003): <u>Representative networks</u> by 2012.
- OSPAR & HELCOM (2003): Well-managed <u>ecologically coherent</u> <u>networks</u> of MPAs by 2010.
- CBD COP7 (Malaysia 2004): A global network of comprehensive, effectively managed and ecologically representative MPAs by 2012.





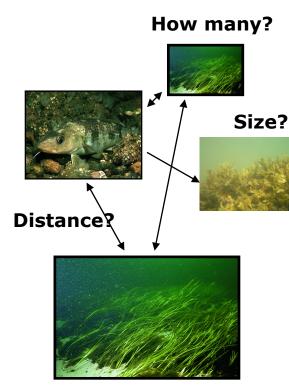


A coherent MPA network

MPAs – Any area of intertidal or subtidal terrain, together with its overlaying waters, and associated flora, fauna, historical and cultural features, which has been reserved by law or other effective means to protect part or all of the enclosed environment. (*IUCN*)

MPA networks - are composed of individual MPAs that are physically discrete and may have separate management structures and regimes, but that are <u>interlinked</u> and together meet objectives that single MPAs cannot achieve on their own. (WWF Canada)

A coherent MPA network – Four criteria: <u>representativity</u>, <u>adequacy, connectivity</u>, <u>replication</u> (OSPAR, HELCOM, BALANCE)



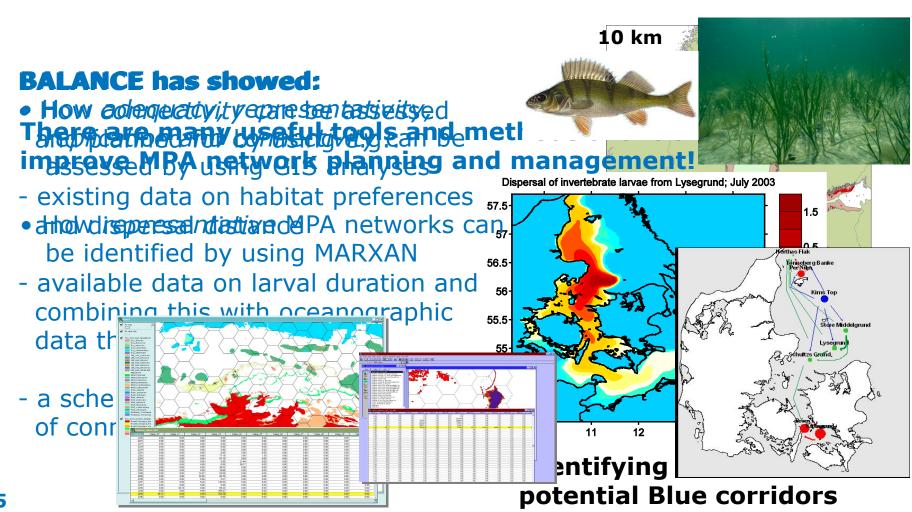
What? How much?







Tools and methods







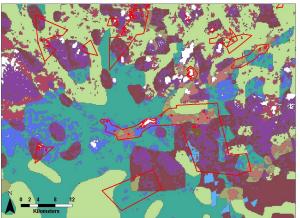
Assessment of existing MPA networks

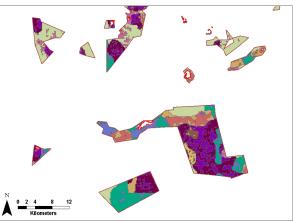
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- lack of large sites
 It is possible to move from theory
 gaps in geographical and marine to practice (e.g. criteria) landscape representation
- town congrectivity (especially for species
- with short distance dispersal)
 lack of clearly formulated

- conservation goals and targets

 The assessment methods should be
 lacking egglogical knewledge and data







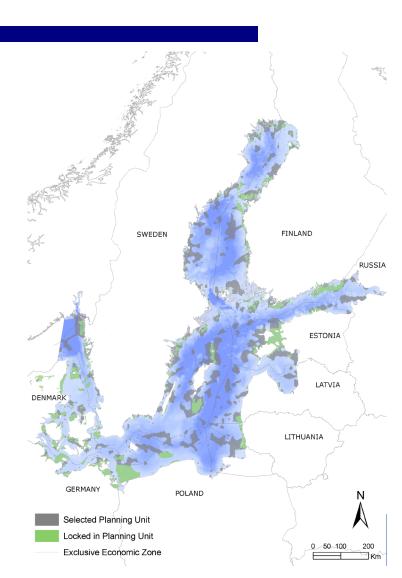




Systematic site selection

- A hree given a les sy estimation apprada a ble site iseflectriation possible

- Alternative network scenarios
 Tools like MARXAN are likely to select
 Indications on most/least suitable site more efficient networks than site by
- Startingroaint!
- ២៤៨២៩ continuously
- lack of clearly formulated conservation goals and targets
- lack of ecological knowledge and data







Conclusions

- The existing Baltic Sea MPA network need to be improved
- The Habitats Directive only protects species and habitats in the annexes
- A systematic regional approach should be used for
 - assessment
 - site selection
- MPA network planning is an adaptive process, revise and improve continuously
- Do not wait for perfect knowledge use best available knowledge
- MPA network planning should be scientifically based, but...
- ...socio-economic and political values will have profound influences
- MPAs should be seen as a key component in a spatial planning process (one tool in the toolbox)

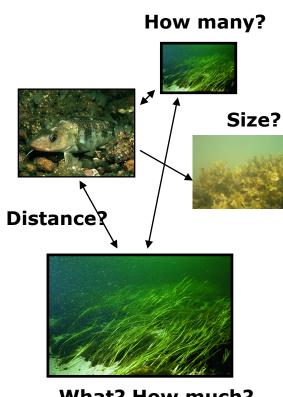






Next steps

- Fill already identified gaps in the existing MPA networks
- Continuously revise and improve the MPA planning process
- Improve ecological knowledge how much, how far etc
- Formulate and agree on overall goals, targets and criteria
- Collect new data and make existing data available (ecological and socio-economic)



What? How much?







Perspectives

- The protection and sustainable use of the Baltic Sea ecosystem is a regional responsibility.
- Only with joint regional effort will we be able to *protect the ecosystem*...
- ...and fulfil international and regional conventions and agreements.
 (Habitats Directive, HELCOM Rec/Decl, Maritime Directive, Marine Strategy Directive, etc.)
- Implementation depends on e.g. EU, HELCOM and contracting parties.



To create enough space for both humans and nature we need to apply a regional integrated approach!







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Thank you for your attention



