

# Synthesis: Marine spatial planning “in balance with nature”

## **BALANCE Conference**

25-26 October 2007

Copenhagen, Denmark

Denmark  
Estonia  
Finland  
Germany  
Latvia  
Lithuania  
Norway  
Poland  
Sweden



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# Outline

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What were we aiming at?

Guiding principles

Zones and Zoning

The Marine Spatial Planning Template

GIS tools for MSP

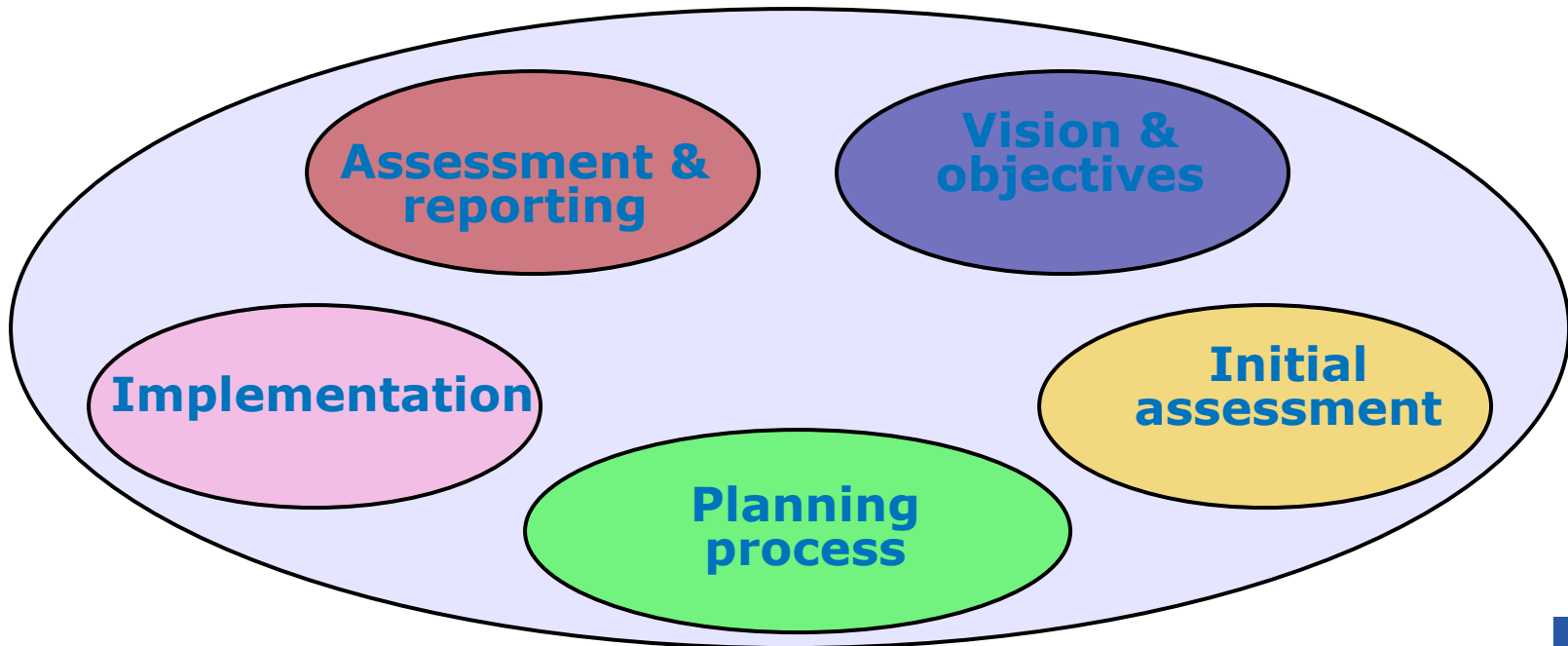
Stakeholder integration

Conclusions and recommendations

# What did we aim at?

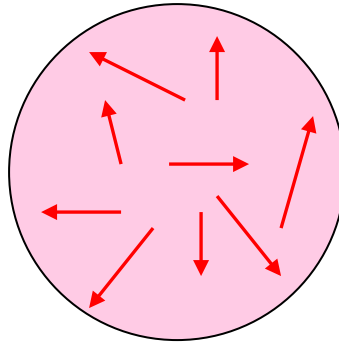
## Aim:

*"to produce a fairly simple template for setting up a transnational and cross-sectoral approach to integrated marine spatial planning in the Baltic Sea Marine Region"*

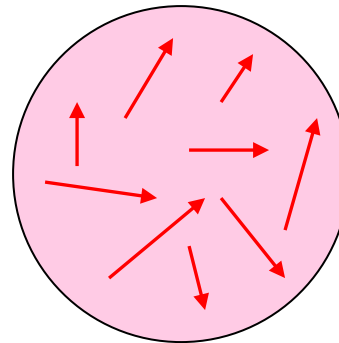


# From current chaos towards joint working tools

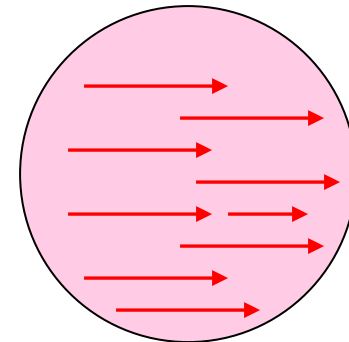
Many national & sectoral spatial interests



BALANCE template & activities



Towards sustainable development through integrated marine spatial planning



## ... more good reasons and aims:

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- Making MSP operational- towards a spatial plan for the Baltic
- Tools for planning practitioners
- Develop and apply GIS tools
- Guidance from planning to management
- Pave the Way for MSP in Baltic and EU perspectives

# Guiding ideas

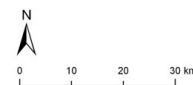
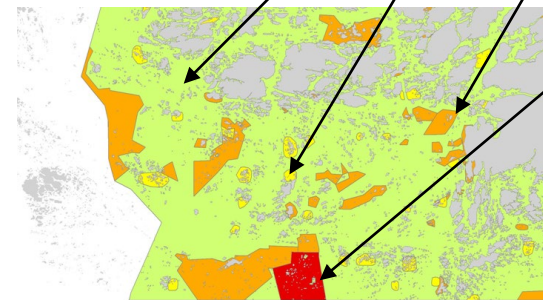
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- Sustainable Ecosystem Based Management as underlying principle **“In Balance with Nature!”**
- Site selection tools presented in session 3 help finding priority areas for conservation
- Integration of all BALANCE outputs into zoning decision making
- The more the outputs meet the requirements of EU and HELCOM the more they will be used

# Zones in BALANCE

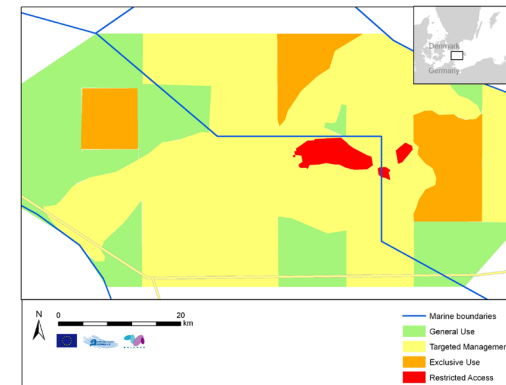
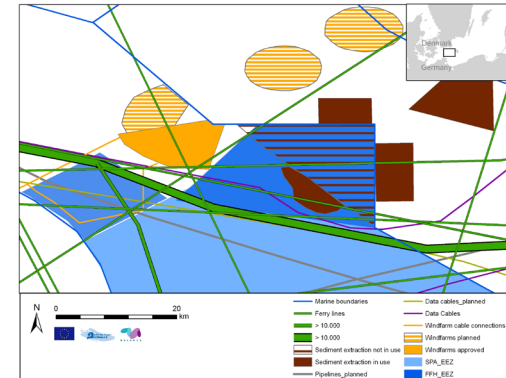
- **Four Zones** from General Use to Access
- Based on **Pressure Evaluation**
- Fit to **different scales and areas** of the Baltic Sea
- Application is exemplified in **2 pilot areas**

HUMAN ACTIVITIES AND USES WITHIN ZONES	PRESSURES AND IMPACTS					ZONES			
	PHYSICAL LOSS	PHYSICAL DAMAGE	NON-PHYSICAL DISTURBANCE	TOXIC CONTAMINATION	NON-TOXIC CONTAMINATION	1. GENERAL USE ZONE	2. TARGETED MANAGEMENT ZONE	3. EXCLUSIVE USE ZONE	4. RESTRICTED ACCESS ZONE
see zoning plan and zoning maps for full details									
Harbours	3	3	3	3	3	EIA/Permit + map	Permit + map, if no conflict	NO, except when part of the exclusive use (EIA/Permit+map)	NO, except when part of the agreed use (EIA/Permit+map)
Jetties	3	3	3	3		YES	YES	NO, except when part of the exclusive use	NO, unless part of the contract
Underwater cables	1	2		2	1	Permit	Permit	NO, except when part of the exclusive use (Permit)	NO
Underwater pipelines	3	3		3	3	Permit + map	Permit + map	NO, except when part of the exclusive use	NO
Nautical Support Structures	1	1		1	1	YES + map	YES + map	YES + map	YES + map but can be restricted
Bridges	3	3		1	1	Permit	Permit	NO, except when part of the exclusive use	NO
MARINE PROTECTION									



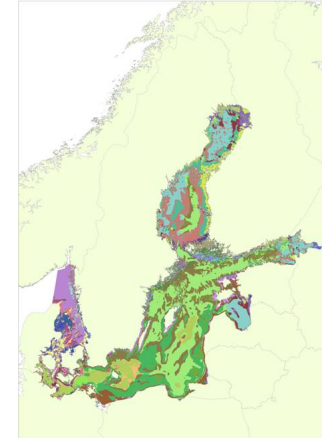
# Zoning in BALANCE

- Marine conservation is competing for space with economic uses
- **pro-active** planning
- more than mapping of existing uses
- A zoning plan is the result of a complex process

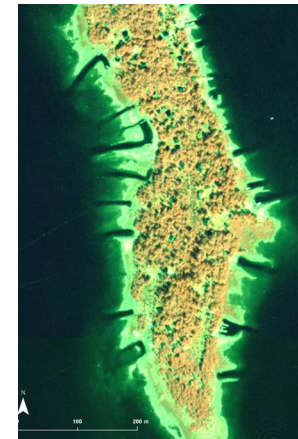
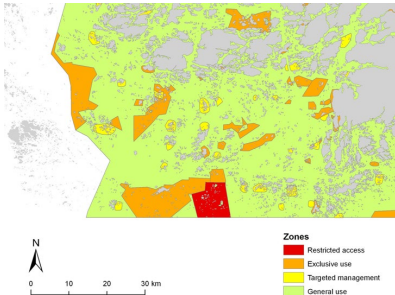
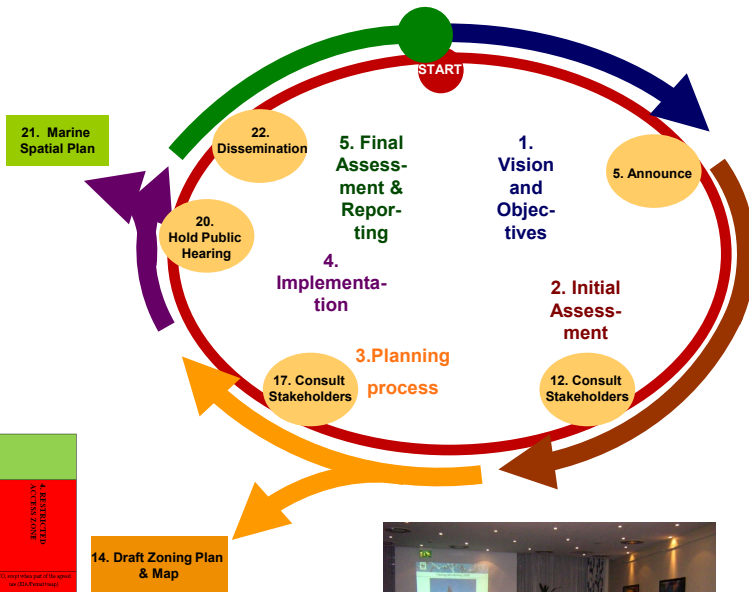




# The BALANCE MSP- Template



INPUT OF HARMONIZED MAPPING DATA

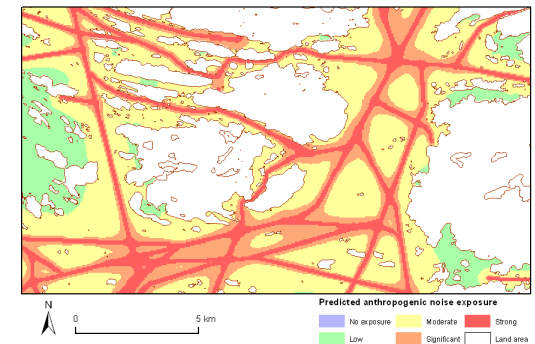
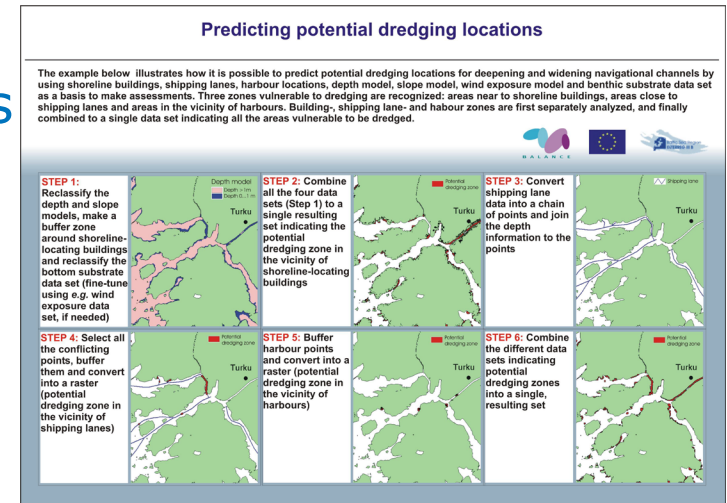


HUMAN ACTIVITIES AND USES WITHIN ZONES	PRESSURES AND IMPACTS				ZONES			
	RECREATION	PORTS AND MARITIME TRANSPORT	TOURISM AND RECREATION	BIOLOGICAL DIVERSITY	1. GENERAL USE ZONE	2. TARGETED MANAGEMENT ZONE	3. EXCLUSIVE USE ZONE	4. RESTRICTED ACCESS ZONE
Boat tours	3	3	3	3	SEA-Plan 1 sup.	Plan 1 sup. (no conflict)	EU, except when part of the exclusive use (SEA-Plan 3 sup.)	EU, except when part of the exclusive use (SEA-Plan 3 sup.)
Boat	3	3	3	3	YES	YES	EU, except when part of the exclusive use	EU, except when part of the exclusive use
Submarine cables	1	2	2	1	Plan 1	Plan 1	EU, except when part of the exclusive use (Plan 3)	EU
Submarine pipelines	2	2	2	2	Plan 1 sup.	Plan 1 sup.	EU, except when part of the exclusive use	EU
Recreational Dredging	1	1	1	1	YES + sup.	YES + sup.	YES + sup.	YES + sup. (not to be exceeded)
Dredging	2	2	2	2	Plan 1	Plan 1	EU, except when part of the exclusive use	EU
MARINE PROTECTION								



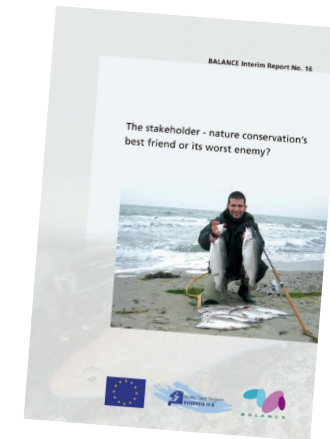
# GIS tools for MSP

- Recipe-book for planners and GIS pro's
- combination of biological, geographic and socio-economical thinking
- Based on available data
- Broadly applicable
- Quantitative and measurable against targets
- Fits for implementation /monitoring
- Uses proxies for modelling real conditions



# Stakeholder integration

- Legal requirements for stakeholder involvement exist but only defined roughly
- Provisions for stakeholder engagement are fully integrated in the MSP template
- Degree of participation tailor made
- Offer of different participation tools
- More participation in development can create more commitment and ownership for a marine spatial plan
- Transboundary integration still at the beginning



# Cod in BALANCE

## A way to deal with the pelagial

### Add new dimensions:

Vertical management

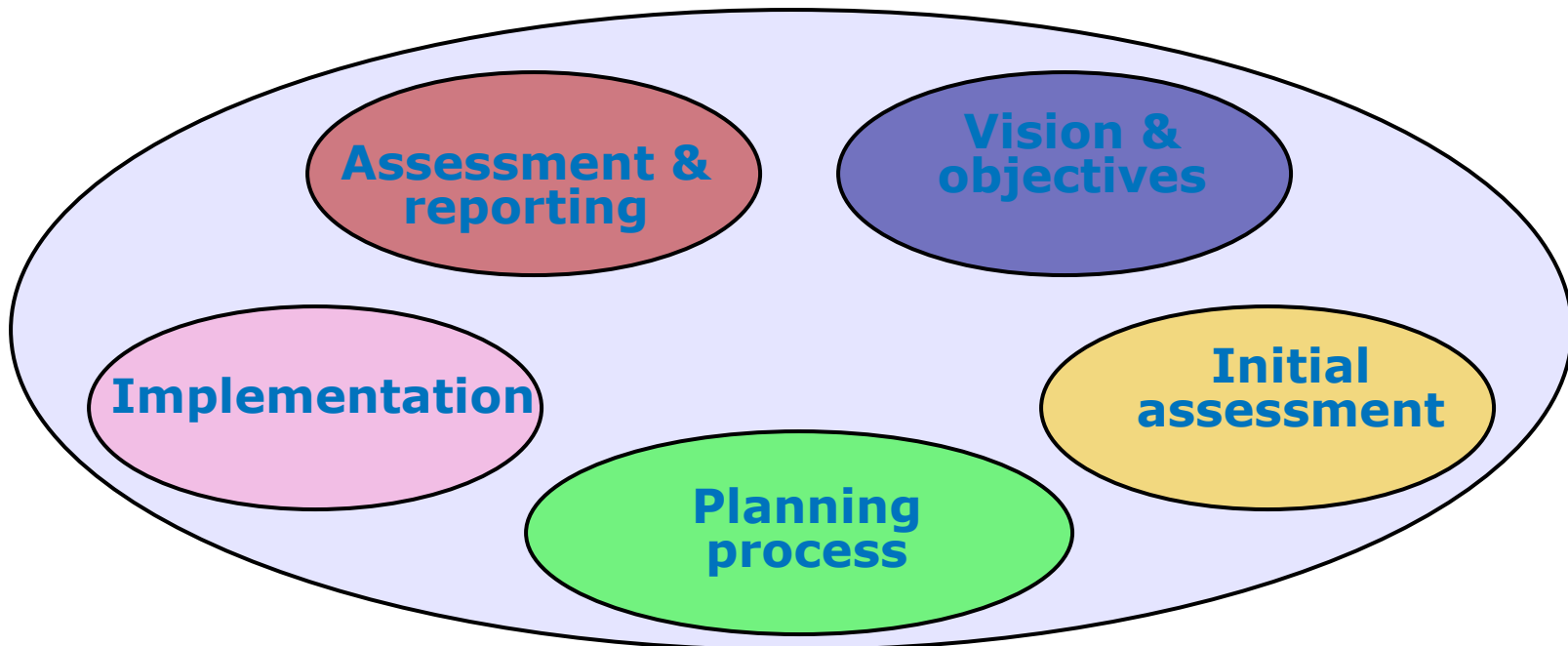
Temporal management

Valuable in fisheries management,  
but potentially also for other species like  
sea birds or mammals

Integrating fisheries management  
into the MSP

# Again: have we met our goals:

## **YES!** though many challenges remains...



No matter what aspect / step in an integrated approach to marine spatial planning it depends on mutual transnational and cross-sectoral understanding and co-operation!

# Conclusions

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## **Pro-active and ecosystem-based**

The BALANCE planning guideline is designed for pro-active, integrated management of existing spatial claims incorporating ecosystem based sustainable management of the Baltic Sea

## **Applicable at multiple scales**

Zoning and Planning tools are developed to be used on Baltic scale and on different scales and conditions.

## **GIS tools with potential**

GIS tools offer a great opportunity for illustrative, knowledge-based information sharing and for added understanding for the functionality of the Baltic Sea for management

# Perspectives

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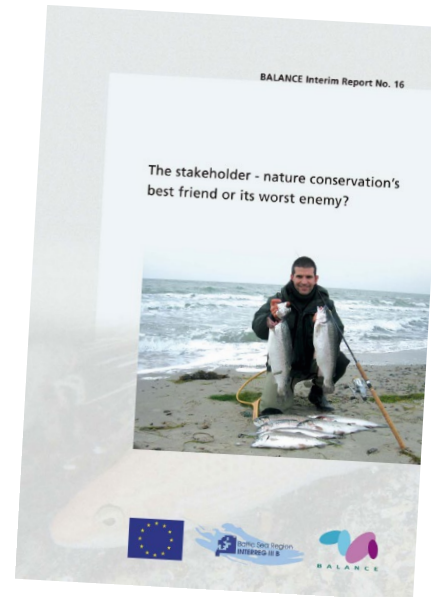
## Next steps ...

- Real-based MSP projects will help amending the tools
- More focus on trans-boundary and offshore management including the integration of stakeholder engagement
- Tools bridging ecological and economic thinking should be enlarged

## ...and from there on:

- Baltic wide MSP framework is needed and should be common standard: Step from “nice to have” to “must” .
- HELCOM and the EU MSD play a vital role preparing the floor for MSP and its tools as standard instruments for joint marine spatial planning in European seas.

# Further reading...



**Up-coming WP 4  
synthesis report**

[www.balance-eu.org](http://www.balance-eu.org)



# Thank you for your attention

