

Evaluation of Spatial Planning as a Tool for Integrated Marine Management – Status, Obstacles and Research Gaps

Baltic MSP Forum Riga 17.-18. June 2014

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Overview

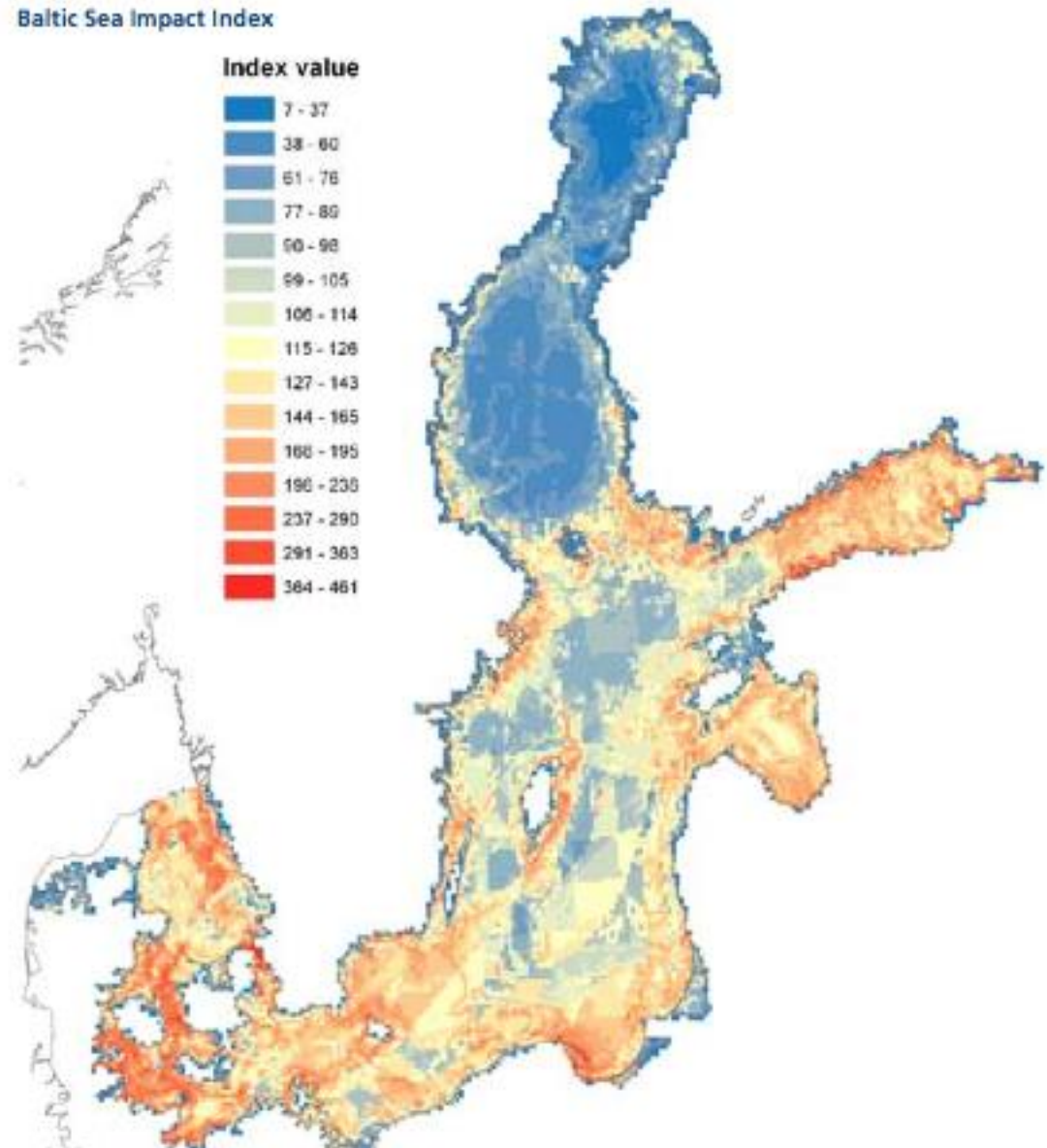
1. Swedish challenges in ICM & MSP
2. Aims & Approach – assess state-of-the-art & needs
3. Findings from literature review & expert survey
4. Conclusions & outlook

1.1 Ecosystem Sensitivity & Growing Pressures

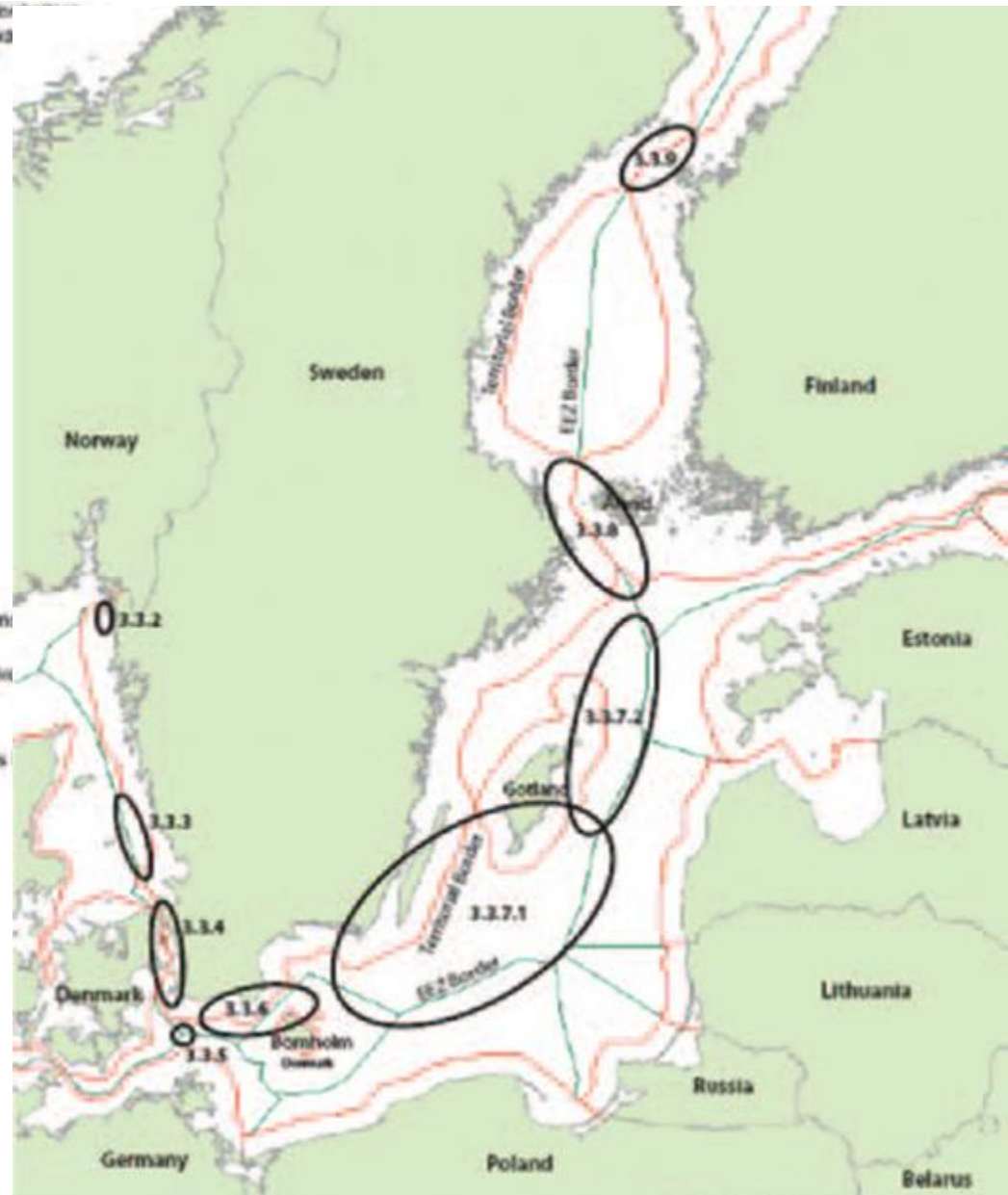
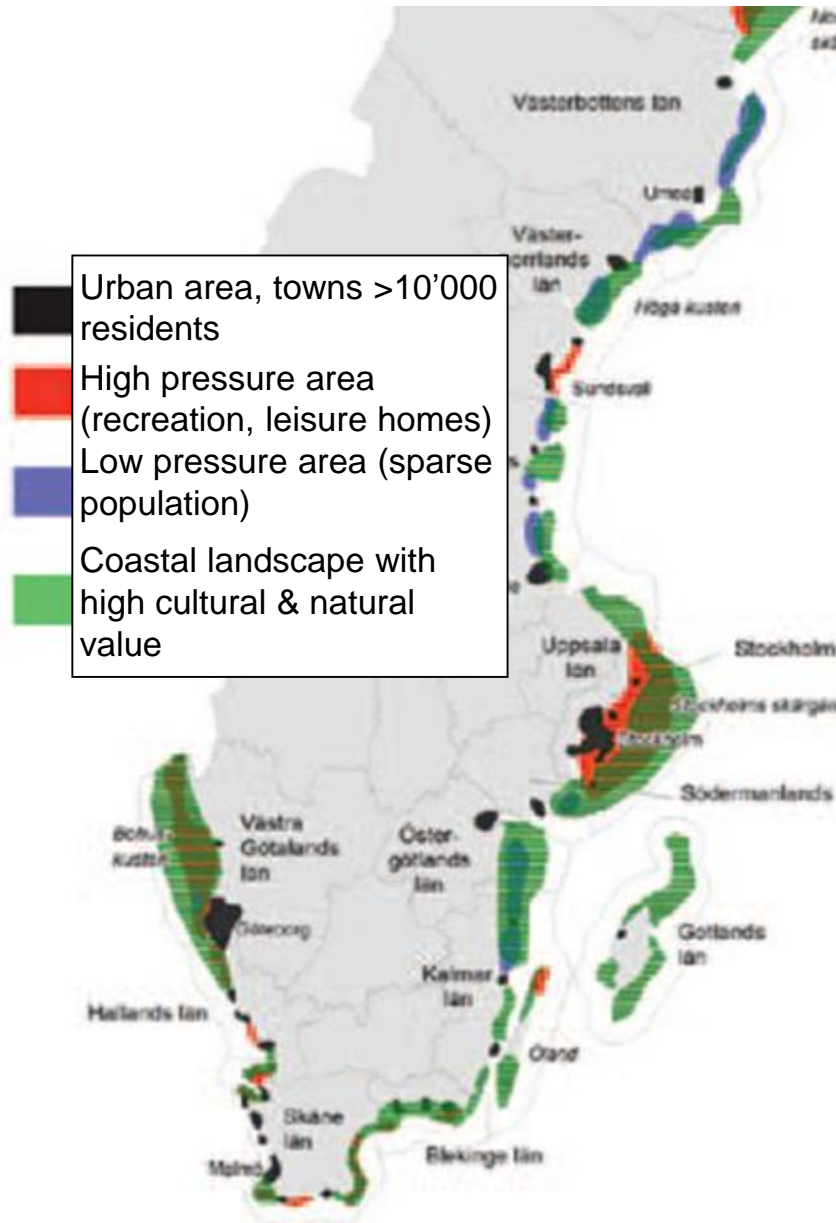
Baltic Sea Impact Index example

Hotspots: high sensitivity and high human pressures

HELCOM (2010) Ecosystem Health of the Baltic Sea, Initial Holistic Assessment, Baltic Sea Environmental Proceedings no. 122, p. 41



1.2 Conflict Potential Coastal & Offshore

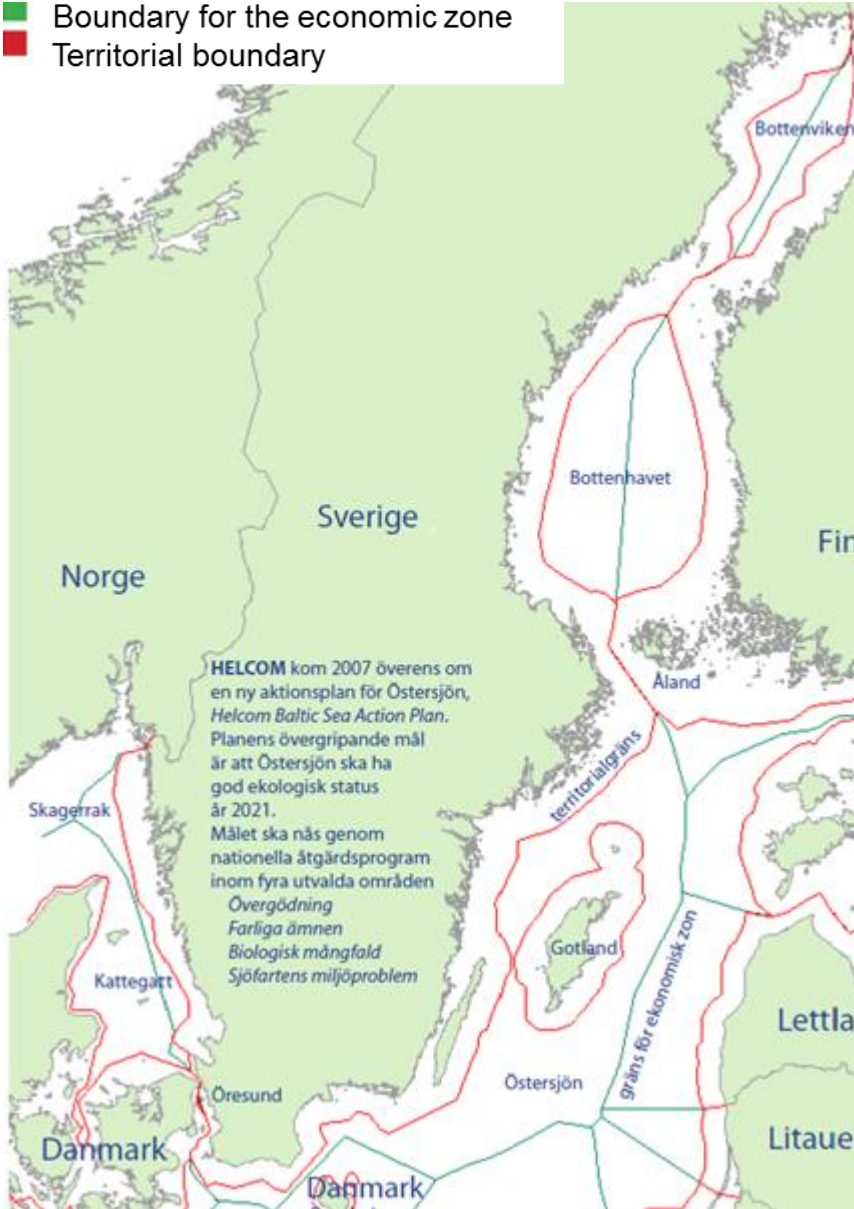


Swedish Board of Housing Building & Planning in:

VASAB Report on Maritime Spatial Planning systems in the Baltic Sea Region 2009

1.3 Institutional Complexity

- Boundary for the economic zone
- Territorial boundary



≈ 90 million inhabitants

• 9 countries, EU, etc....

- Priorities
- Political & administrative cultures
- Regulation & jurisdiction
- Instruments
- Responsibilities
- Various stages of developing MSP & ICZM!

1.4 Swedish Approach to Coastal & MSP

Territorial sea -12 NM: Municipal planning

- Comprehensive plans since 1987 (Planning & Building Act)

⇒Little practice: 2010 just 4 up-to-date comprehensive plans covering territorial waters

EEZ & outer territorial waters: new legislation!

- Responsible agency SwAM (2011-)
- 3 Marine basins, parts binding
- National MSP overlaps by 11 NM

External drivers for MSP e.g.:

- EU:** Habitat Directive, MSFD, WFD, MSP/ICM FW Directive-process
- HELCOM, VASAB, OSPAR (BSAP, principles), Nordic
- Global:** CBD, UNCLOS...

⇒**Status/drivers of evaluation?** What type needed?



EUROPEAN
COMMISSION

Brussels, 12.3.2013
COM(2013) 133 final
20130074 (COD)

Proposed for a
DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
establishing a framework for maritime spatial planning and integrated coastal
management
(SWD(2013) 64 final)
(OJW(2013) 05 final)

2.1 Aims & Approach

- 1. Conceptual framework:** link evaluation-planning-environment
- 2. Literature review:** identify relevant method literature & scientific proof of environmental impacts of planning
- 3. Needs/gap analysis** for Swedish evaluation practice
- 4. Recommendations:** next steps to develop system to evaluate Swedish coastal & marine planning from environmental perspective

Methodology: DB-search, doc. analysis, qualitative & exploratory expert survey, interviews, expert discussion.

Main sources: literature & experts.

=> 45 reports/scientific publications

=> 50 experts contacted, 27 answered

2.2 Evaluation of Planning

Process to determine **value** of process/-plan

- Measuring expected achievements of plan in relation to processes, outputs, outcomes, impacts

⇒ No absolute values, relative – e.g. objectives

Different possible plan types...

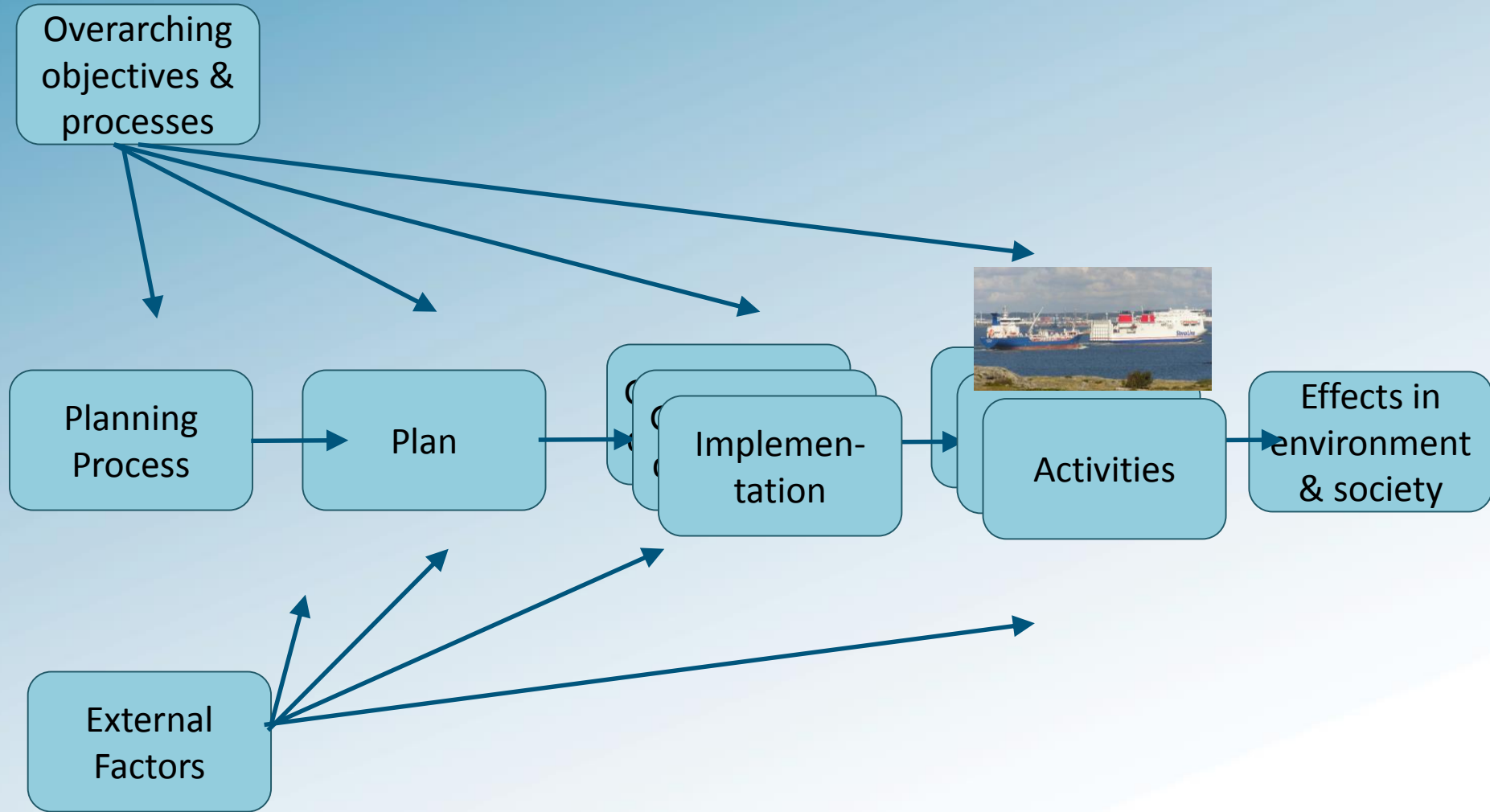
- Strategic vision ↔ binding management plan

- Spatial and other scopes?

⇒ Swedish ambitions in relation to plan types?

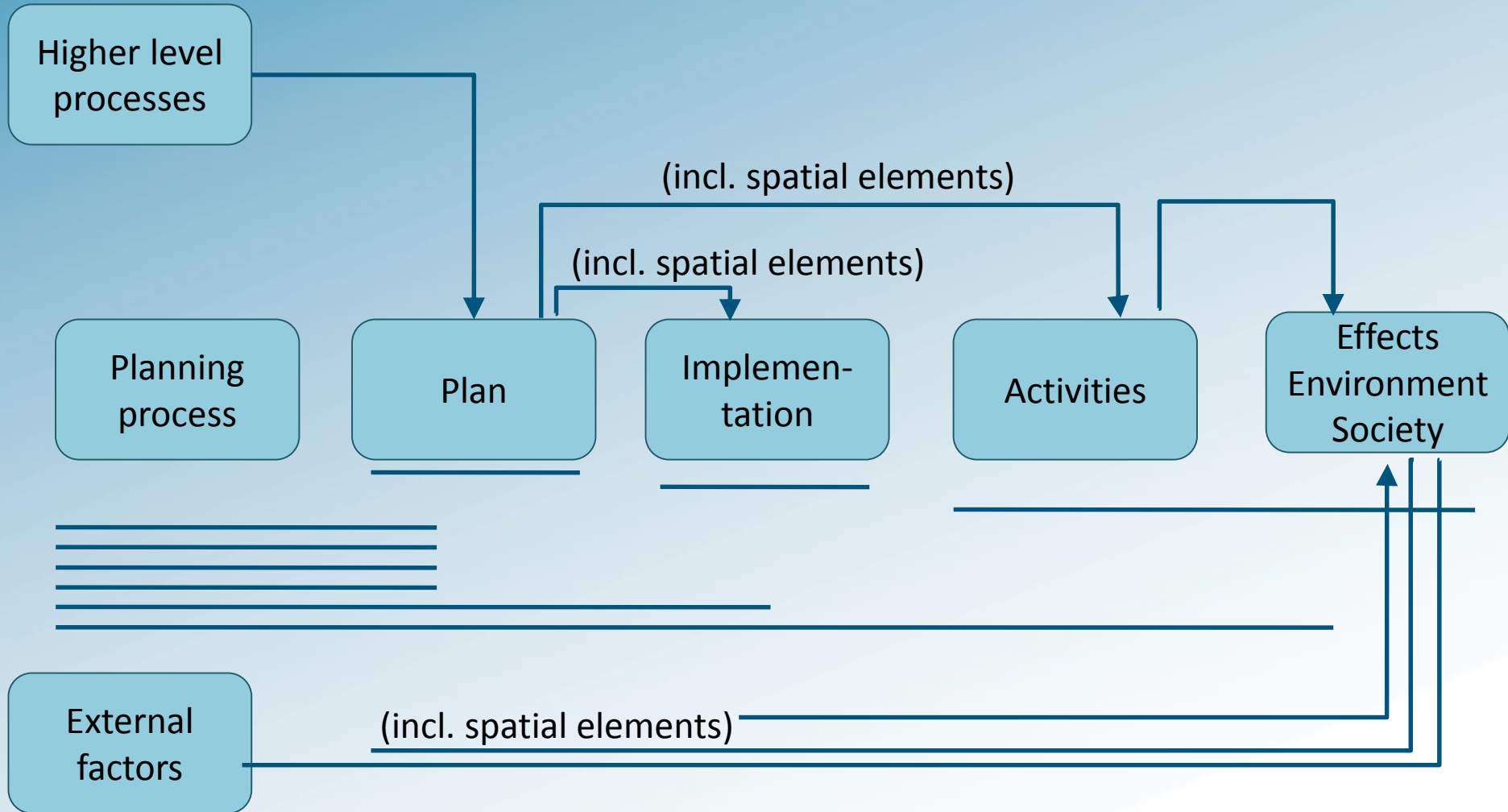
⇒ What can be evaluated?

2.3 Conceptual Framework



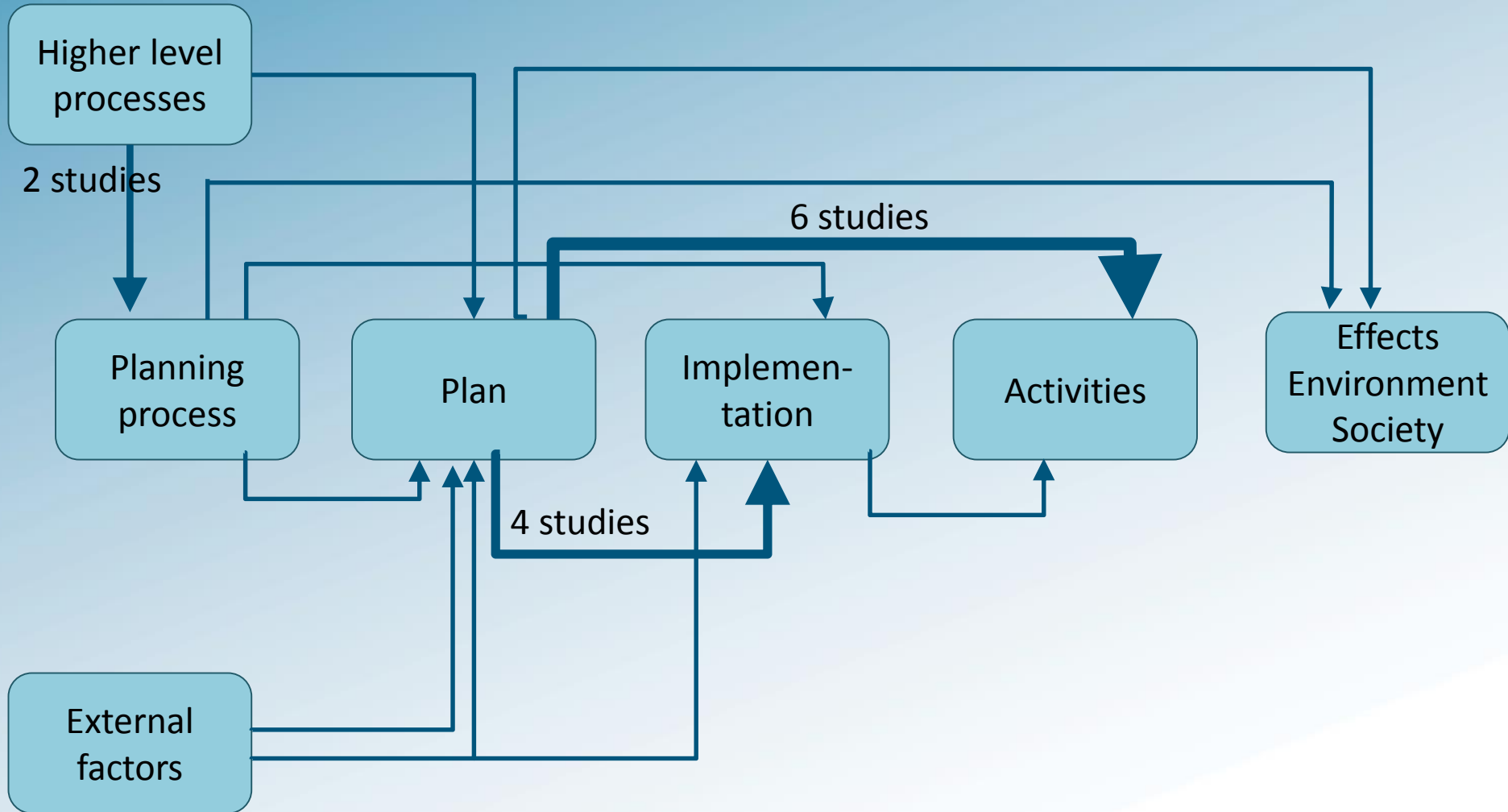
→ Links, Effects – but also “Filters”

3.1 Findings Review: Coast/Sea Planning



- Descriptive studies
- Establishes/analyses couplings

3.2 Findings Review: Evaluation Land Planning



3.3 Survey Findings: Agreement & Gaps

Expert survey: 50 contacted, 27 participated

Agreement: evaluation = necessary & urgent

Important problems

- **Lack of practice & methods:** municipal planning; systematic, comparable evaluation practice
- **Institutional gaps:** environment-planning, admin. levels
- **Expertise gaps:** experience, knowledge & skills
- **Contrasting views** e.g. planning ↔ environment

3.4 Findings Survey: Evaluation Objects

- Evaluate **whole chain** incl. process and impacts

Priorities:

- 1) Implementation in planning and sectors
- 2) Effects in society & environment (couple!)
- 3) Planning process: especially with non-binding plans

- **Guiding objectives** for monitoring & evaluation:

- ❖ Goal/indicator based approaches (usual in planning)
- ❖ Program-theory to choose objectives/monitoring
e.g. *Open Standards* methodology under testing in SWE

- Integrate objectives from **other levels**

3.5 Findings Survey: Evaluation System

- Responsible authorities **need input** from relevant stakeholders
⇒ Knowledge, situation analysis, resources for measuring etc.

BUT: evaluation should be **independent** (research institutes)

Confusion on aims of stakeholder involvement

⇒ Reflection needed, clarify in process design!

- **Obstacles**
 - Resources & time!
 - Data: availability, translation into planning
 - Capacity
 - Fragmentation: institutional (responsibilities, communication, knowledge), politicians/experts, ...

4.1 Conclusions: Needs & Gaps

1) **Policy needs** with regard to evaluation of C/MSP

- Evaluation underrated but important, not practiced
 - Institutional gaps: levels, planning/environment
 - Better international overview & exchange for input
- ⇒ Learning by doing: evaluation = “natural”
understanding obstacles/drivers for evaluation & learning
- ⇒ Link marine/coastal planning & evaluation

2) **Interesting gaps** for research

- Why little evaluation? How does/can learning work?
 - Identify linkages: plans, policies & outcomes (if possible)
 - Test combining perspectives & methods (e.g. goal-/theory based)
- ⇒ Collaboration science-policy - BUT: independence of analysis

4.2 Outlook: Research Collaboration

Opportunities to address gaps in evaluation...

e.g. collaborative research & method development for C/MSP

- Nordic Council of Ministers (Nordic/Arctic)

- BONUS: Baltic Sea

- HORIZON 2020, FP 7, BG: EU

⇒ SIME/UGOT/Sweden/Scandinavia

- ✓ Partner (research & practice)

- ✓ Case study areas (different levels)

- ✓ Reference groups (interested experts & practitioners)

- ✓ Capacity development (X-boundary courses)

⇒ Interested?

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4.3 Next Steps: Draft => Final

3 draft reports: literature, needs, synthesis

Expert meetings => presentation, discussion

Finalise report by end 2014

1. Synthesis: all recommendations

2. Literature Analysis:
2 recommendations

3. Needs Analysis SE:
many
recommendations

Scientific publication

THANK YOU!

