

Maritime Spatial Planning Forum

Global  
Meets  
Regional



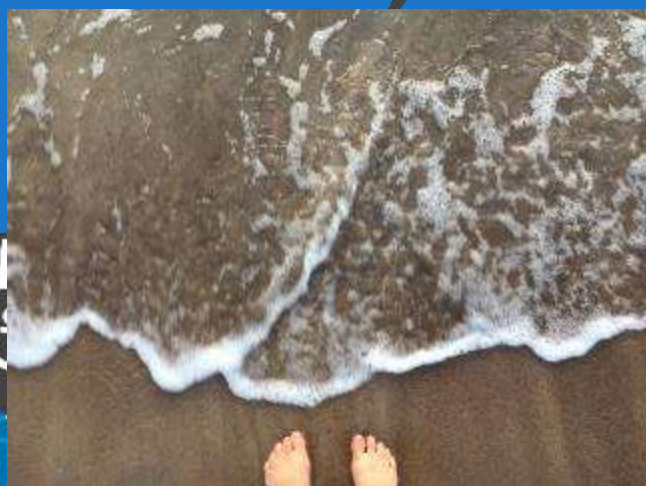
Workshop 7

# Integrating Land-Sea Interactions into MSP *Lessons, stories & insights from MSP in the Central Baltic*

Andrea Morf, Senior Research Fellow, Nordregio

Mari Pohja-Mykrä, Coordinator of the Finnish  
MSP cooperation

Margarita Vološina, Ministry of Environmental Protection and  
Regional Development of the Republic of Latvia



Co-funded by the  
European Maritime and  
Fisheries Fund of the  
European Union



# What is LSI? Should we think more LSI?

## Varying views & degree of institutionalisation

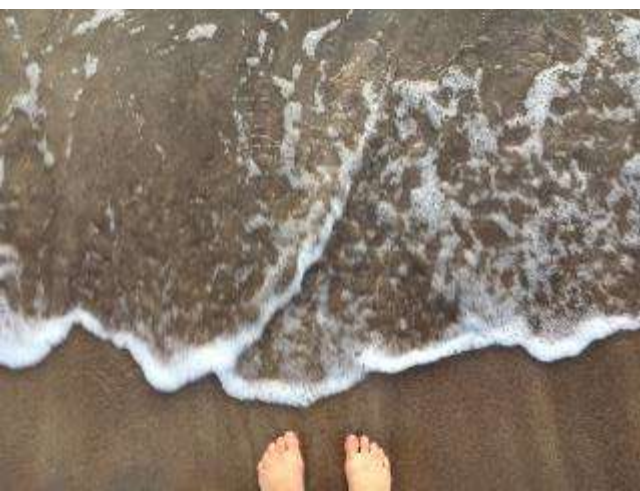
“We have always taken land-sea interaction issues into account. If we consider this a basic planning principle, there is no need to think about it too much.” (Survey respondent, 2018)



EU MSP Dir!



Pan Baltic Scope



“We currently have not solved the LSI discussion in [...] as it is a part of the archipelago day to day life and we cannot separate it as a concrete question/issue.” (Project Partner, 2019).



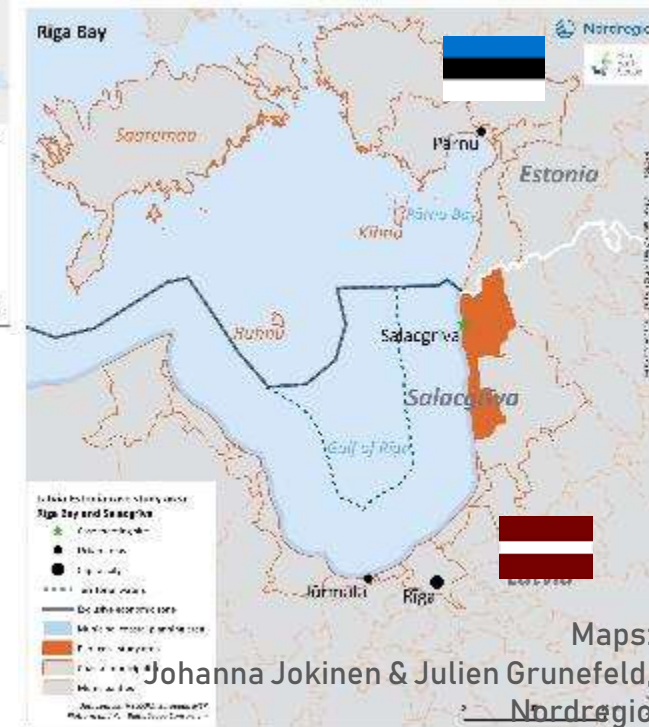
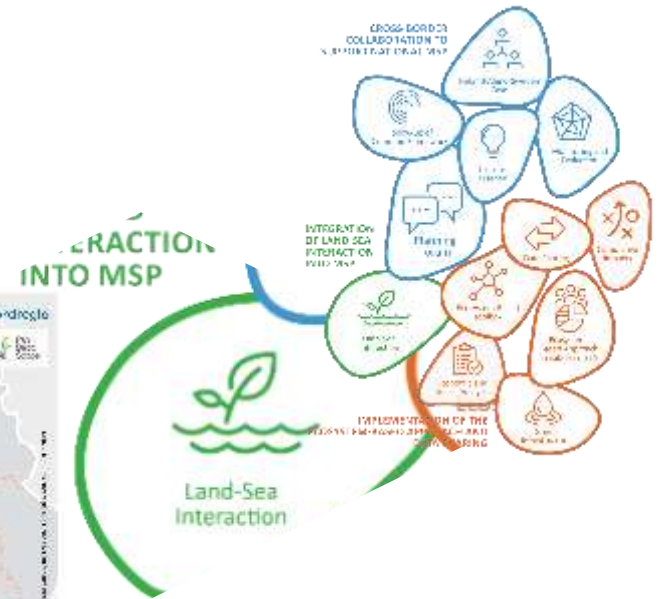




# Pan Baltic Scope WP 1.3

## *Integrating Land-Sea Interactions into MCD*

- Scoping: how to think LSI & where to work
  - ⇒ 2 cases + subcases
  - ⇒ 4 D Framework to think LSI
- Working:
  - ⇒ Planning: stakeholder mobilisation, data collection, pilot plan, workshops with planners & stakeholders
  - ⇒ Challenges & enablers in 4D to report
- Concluding & sharing: Now!



4 Dimensions  
+ Context/trends

## LAND-SEA INTERACTIONS

### Land-Sea Planning Continuum

MSP

ICZM

Land Use Planning

2. Governance  
Frameworks

3. Governance  
Processes & Decisions

4. Knowledge, Tools &  
Methods

ACADEMIC LSI DISCOURSE



### Uses & Interactions



1. Issues: social-  
ecological  
interactions  
in time & space

Figure: Sarah Mahadeo &  
Andrea Morf, Nordregio





**3** maritime spatial plans  
+ maritime spatial plan for the Åland Islands

**8** coastal regions

**2** goals  
blue growth & good status of marine waters

2 public consultations, >250 members in a cooperation network  
Finalized by 31 March 2021

MARITIME SPATIAL PLANNING

## 2. Land-Sea Interactions in the MSP Approach in Finland

Mari Pohja-Mykrä

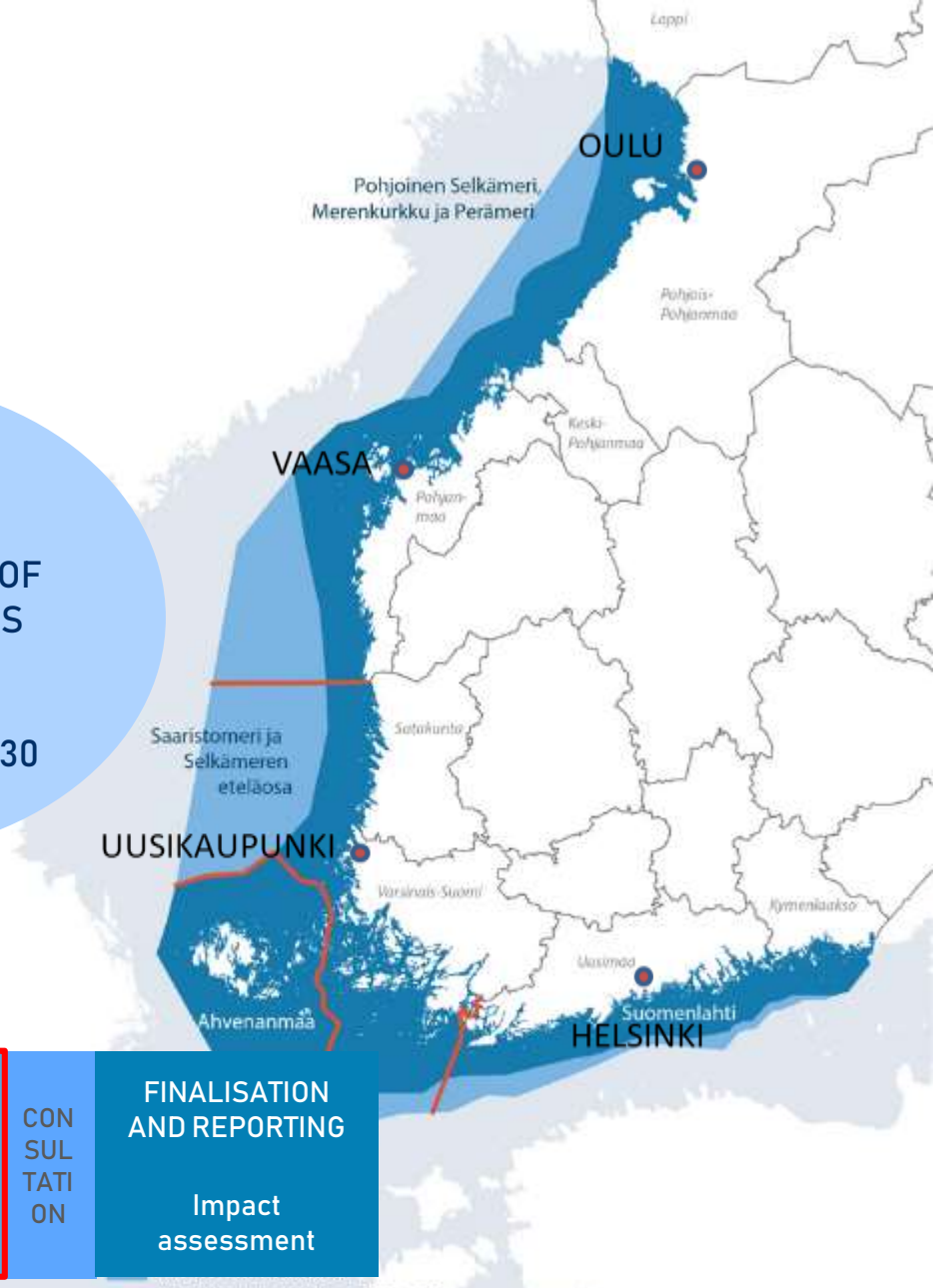






AIM TO BUILD A  
COMMON VISION  
ABOUT THE  
SUSTAINABLE USE OF  
THE MARINE AREAS

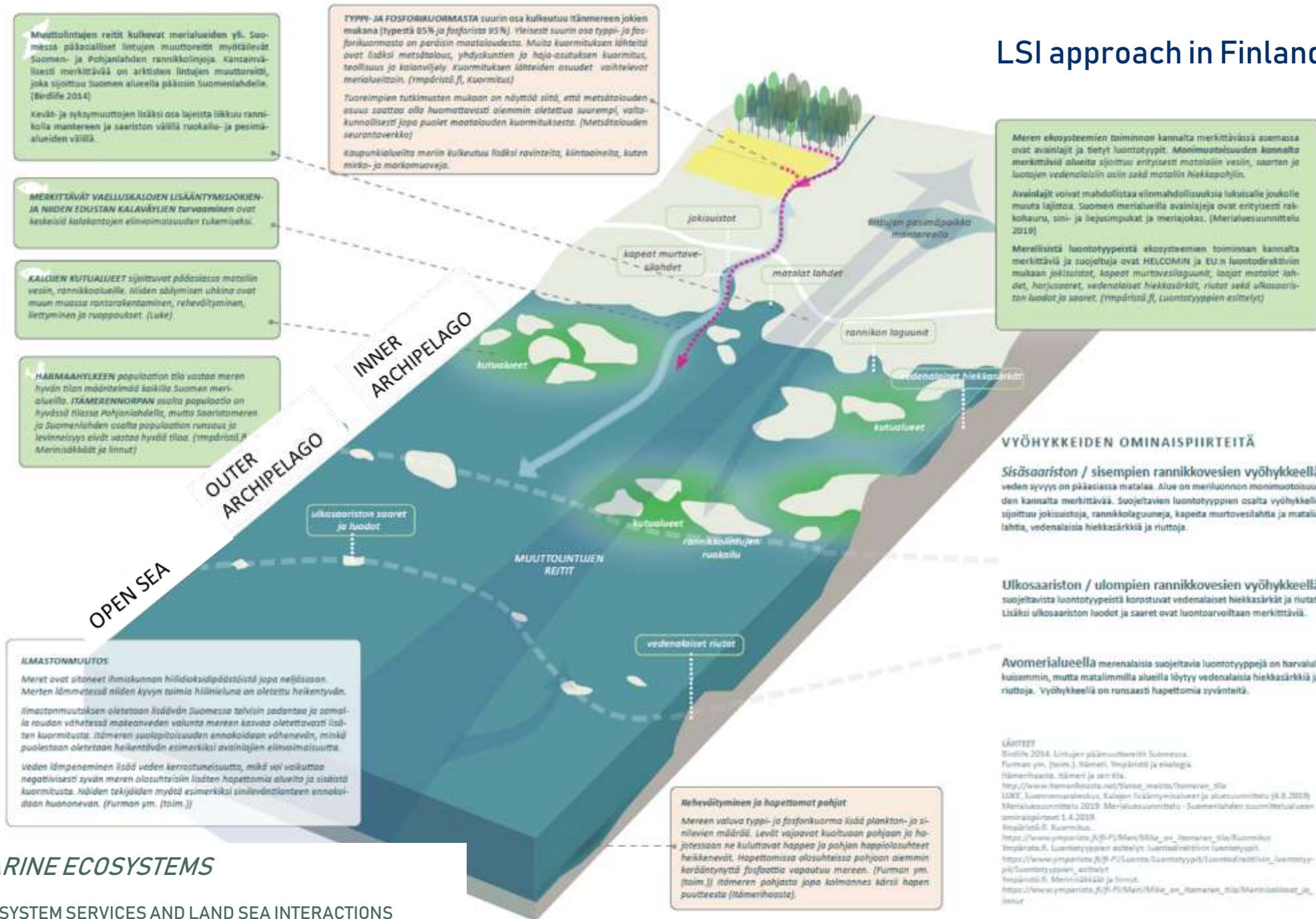
Vision 2050  
Regional Targets 2030  
RoadMap 2030



CURRENT STATE		FUTURE SCENARIOS		VISION AND ROADMAPS	CONSULTATION	FINALISATION AND REPORTING
Characteristics of the Planning Areas		State of the Marine Environment		Impact assessment		Impact assessment
Blue Growth Profiles						
2017	2018	2019	2020	2021		



# LSI approach in Finland



## MARINE ECOSYSTEMS

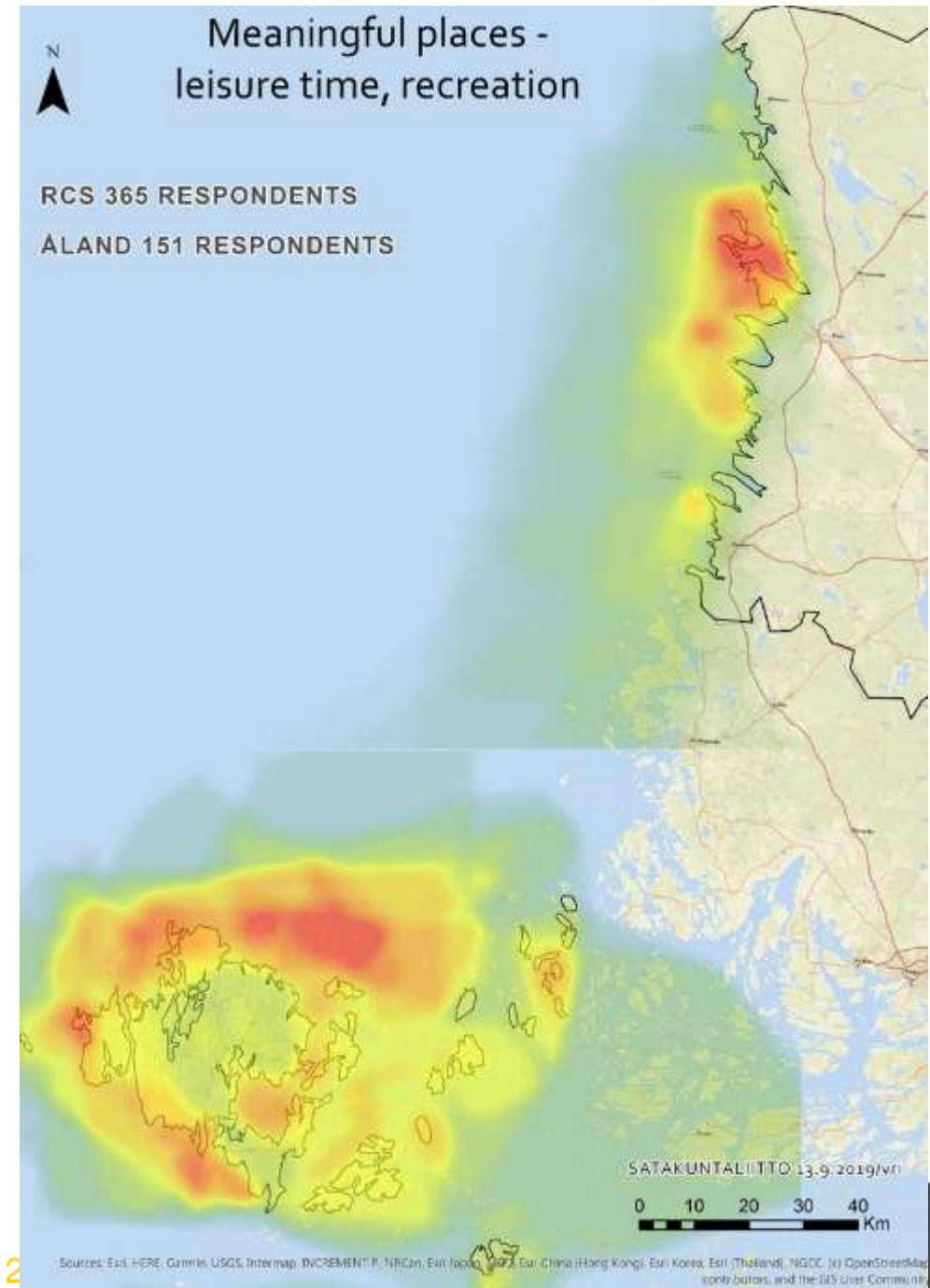
## ECOSYSTEM SERVICES AND LAND SEA INTERACTIONS





## Participatory GIS to gain local-level knowledge about meaningful places and processes in the coastal and sea area

- Data
  - RCS: 467 respondents, 840 map markings
  - Åland: 361 respondents, 450 map markings
- Meaningful places – 4 categories (+conflicting places)
  - Leisure time/recreation, emotions, livelihood, nature and cultural values
- How to interpret the data?
  - Where?
  - For who?
  - Why?
  - When?
  - What is needed to maintain it?





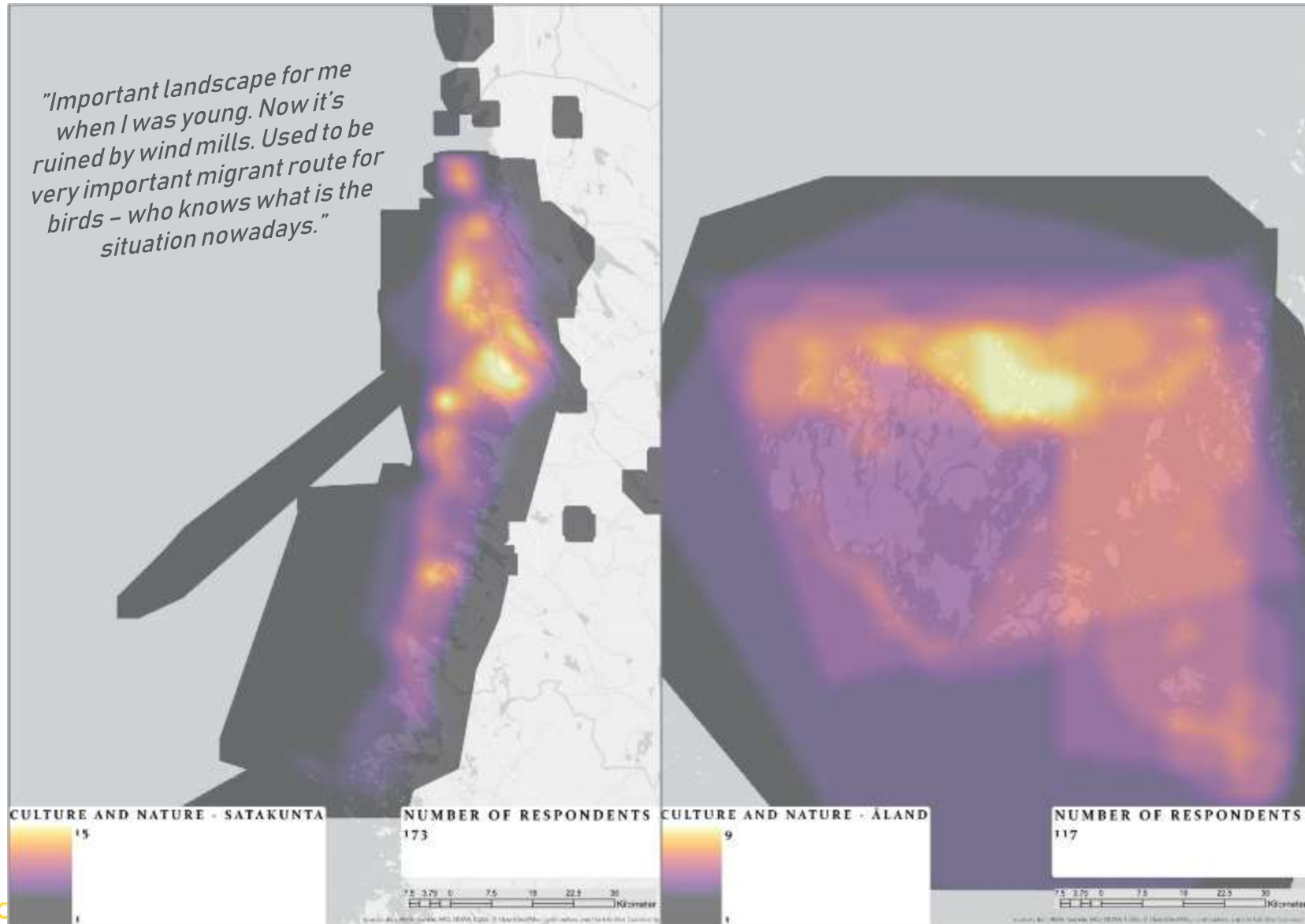
## What about LSI issues?

- Local knowledge data (94 % of respondents)
  - Complements the regional and national-level stakeholder data
- Meaningful places
  - Indication of LSI issues → data classification

*"Our family cottage is on the island. We hunt waterfowls, fish, enjoy nature. It's really sad to see how bad the status of the sea is and how it effects on fish stocks nowadays."*

*"One should protect this beautiful coastal area – you shouldn't build anything here!"*

*"Excellent place to visit, just next to the open sea and really easy to access."*





# 3. The Pan Baltic Scope Riga Bay Case

Margarita Vološina

Planners, experts, stakeholders and local municipalities from Estonia and Latvia working together within Pan Baltic Scope

Context:

**\*MSPs on their way**

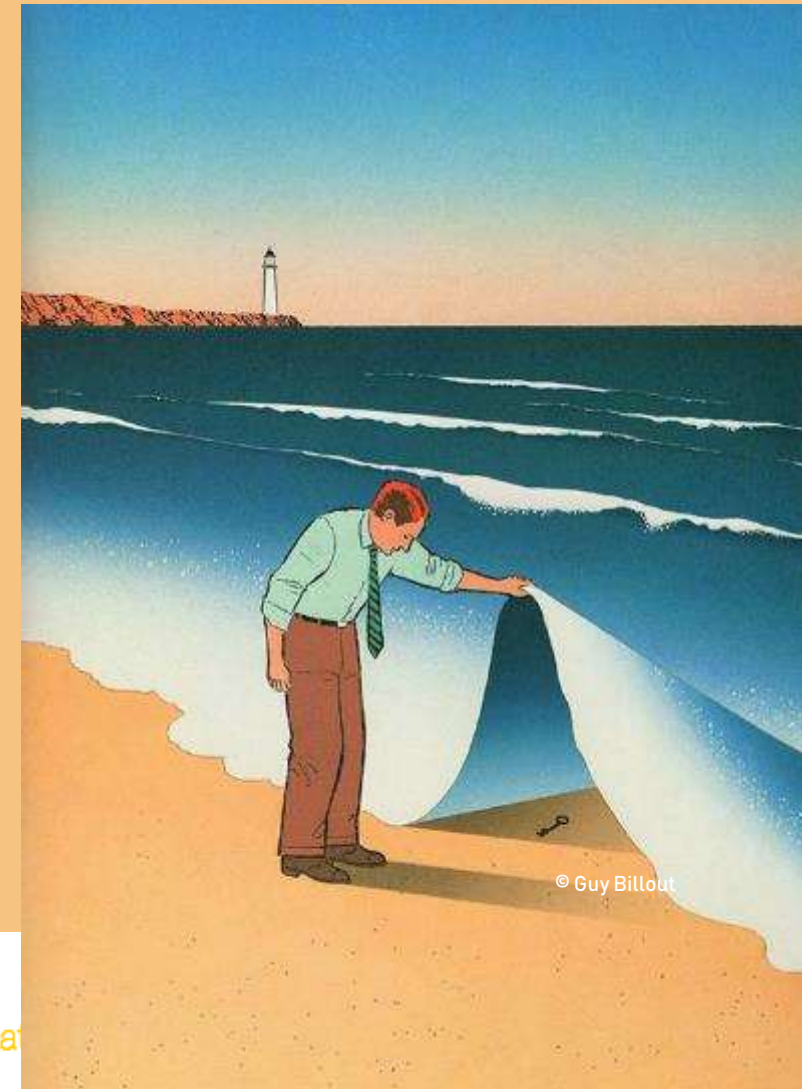
(LV approved in 2019, EE expected in 2020)

**\*different legislative frameworks & planning systems**

(MSP & terrestrial plans - LV 2 km overlap, EE 0 km overlap)

Challenge:

**How to involve local authorities  
(municipalities/communities) in MSP?**

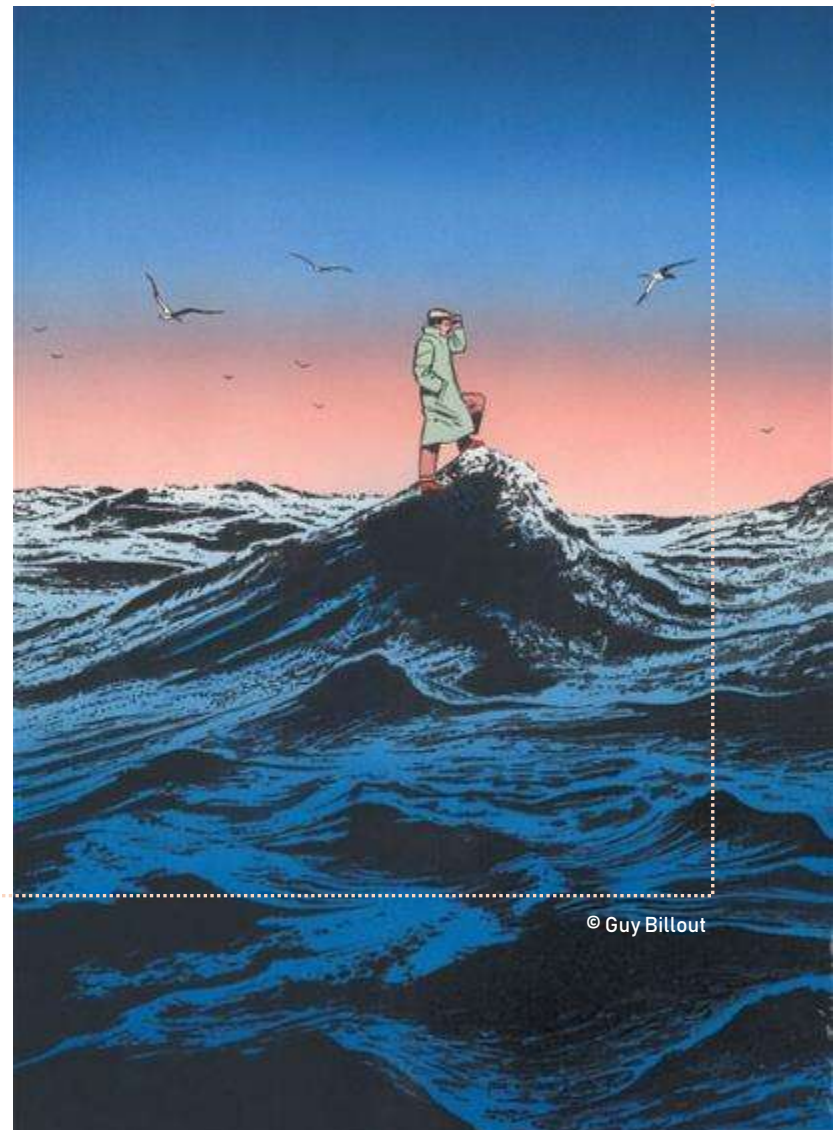


© Guy Billout

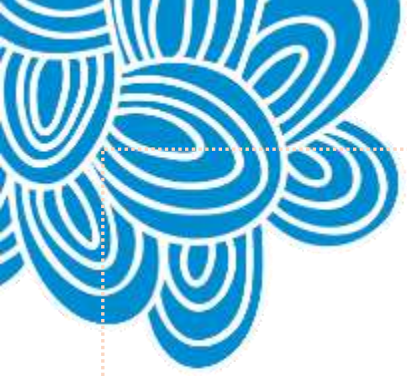


# Step into the sea

- Thinking
- Drawing
- Talking







# Step into the sea

Thinking

1) considerations to use  
and/or to plan the uses of  
coastal marine waters?

Drawing

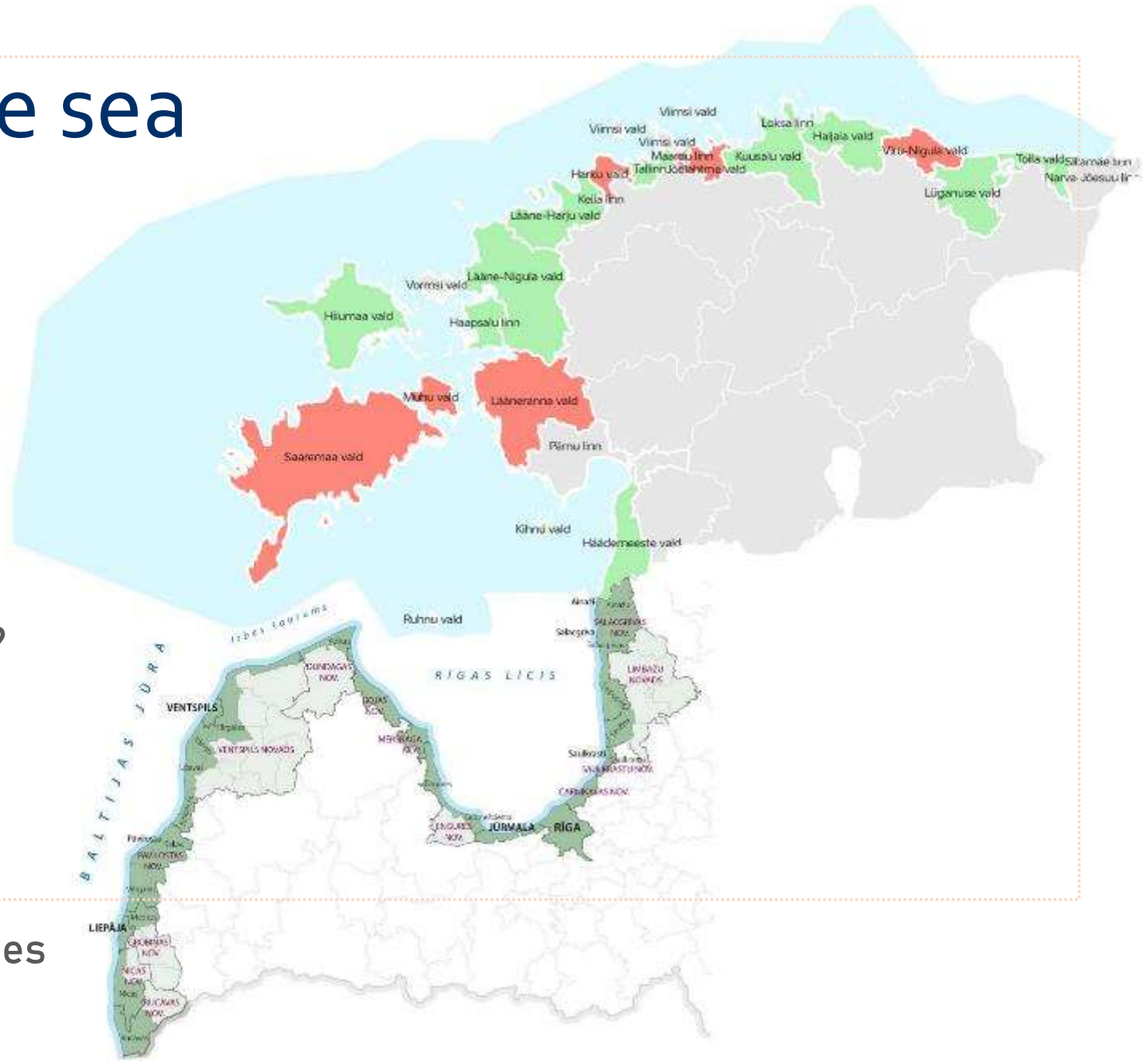
Talking

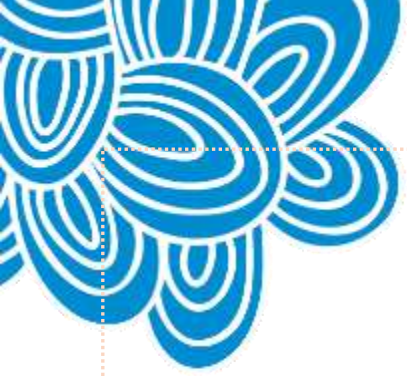
2) for what activities?

3) what type of document?

4) which sectors/themes  
should be included?

5) to separate/define  
national and local mandates  
acting in coastal marine  
areas? [#MSPforum](#) [Global Meets](#)



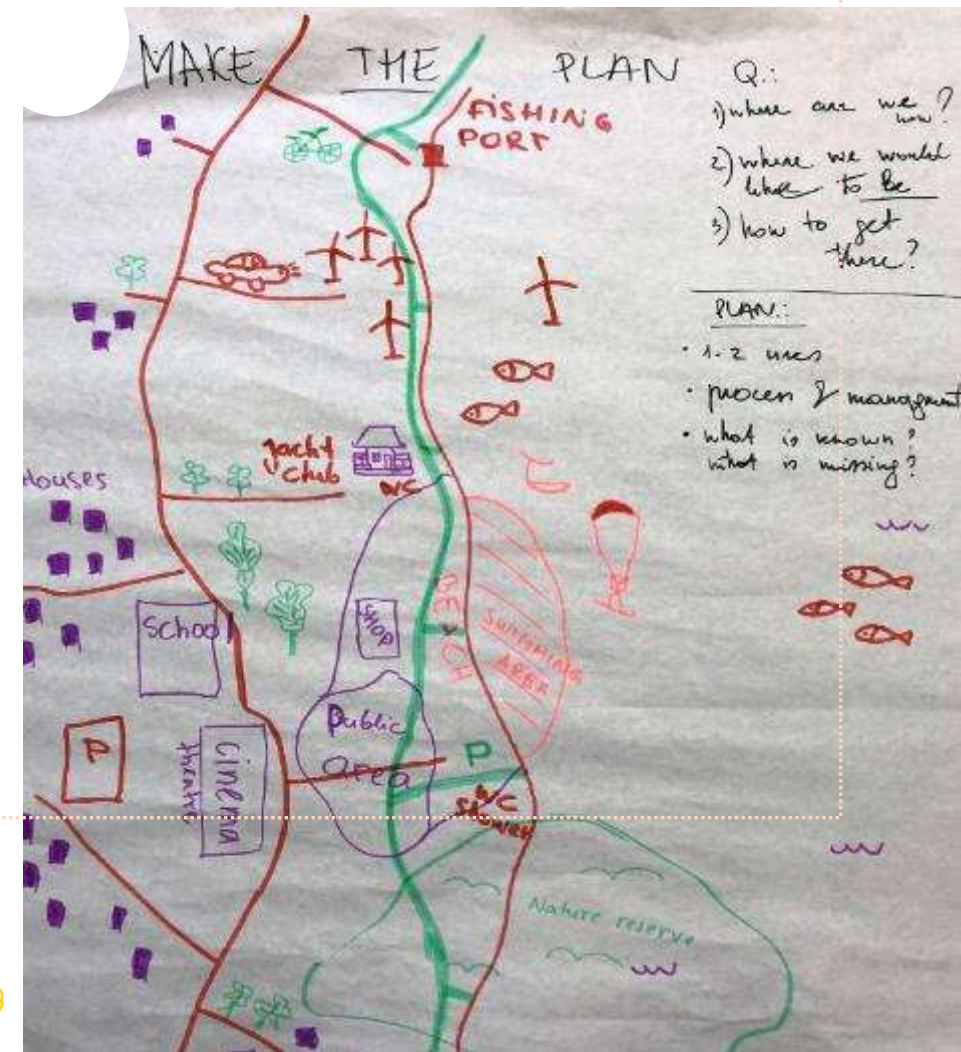


# Step into the Sea

Thinking

Drawing

Talking





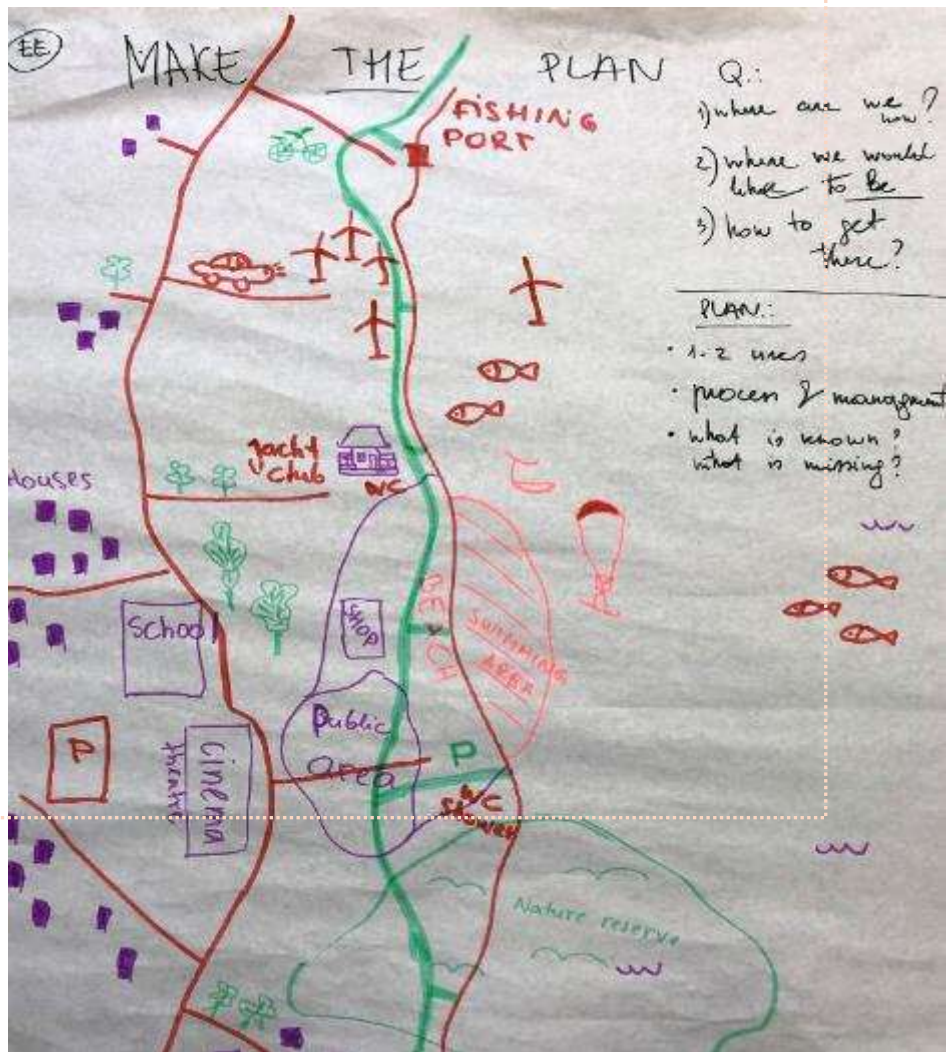
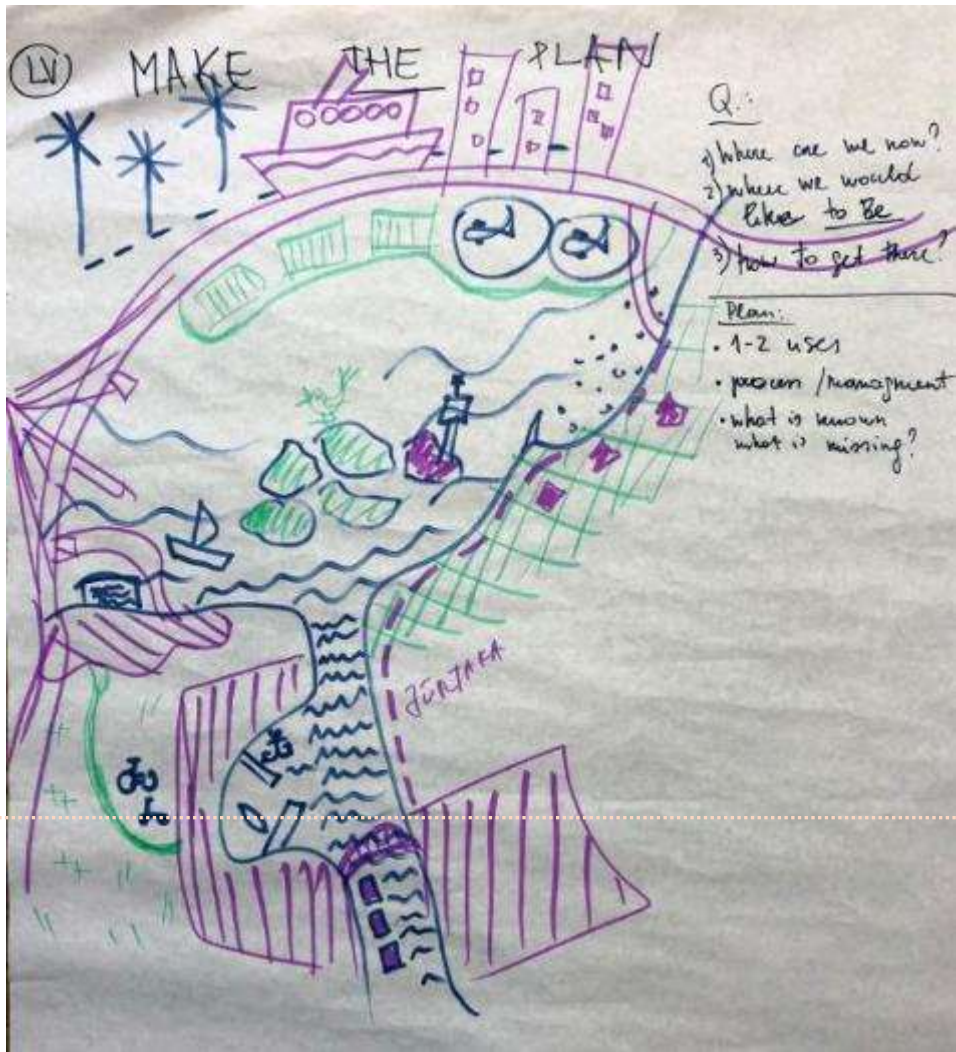


# Step into the Sea

Thinking

Drawing

Talking







# Step into the sea

Thinking

Drawing

Talking





# Findings & takeaways

- \*planning for municipalities should not stop at the coastline
- \*communication between different kinds of stakeholders and experts is essential and challenging, but even more challenging is to lift the possible solutions to the level of political agreement
- \*at the moment institutional capacity & specific knowledge for planning ahead in the marine waters is limited





# Results Riga Bay

[www.panbalticscope.eu](http://www.panbalticscope.eu)

\*Pilot Thematic Plan

\*Guidelines for planning marine coastal waters and the adjacent land areas at the local level

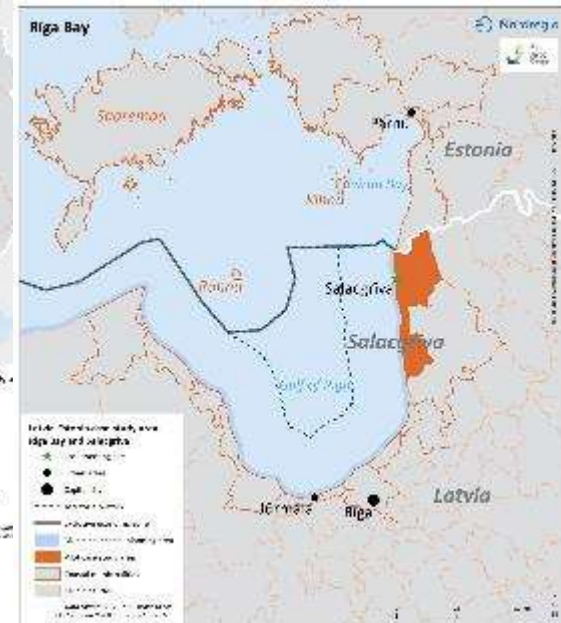
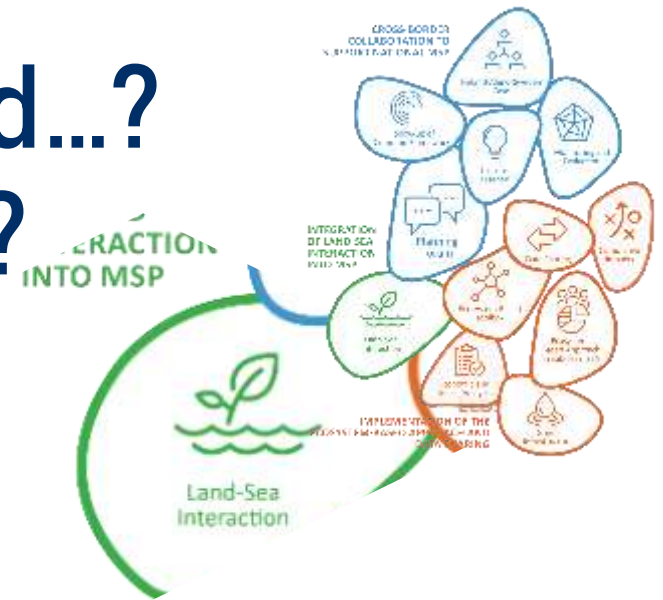






# So, what... have we learned...? What do we want to share?

- LSI Synthesis Report: challenges & enablers
- FIAXSE-Storymap & LV Guideline
- Framework & Recommendations



I. Be aware of Land-Sea Interactions (spatial, flows and other types) throughout the planning loop

# LAND-SEA INTERACTIONS

IV. Promote *interaction of institutions and stakeholders* (all types!) to address LSI. Clarify mandates & influence

SCALE is KEY  
III. Keep a differentiated view on LSI also regarding scale, context & over time

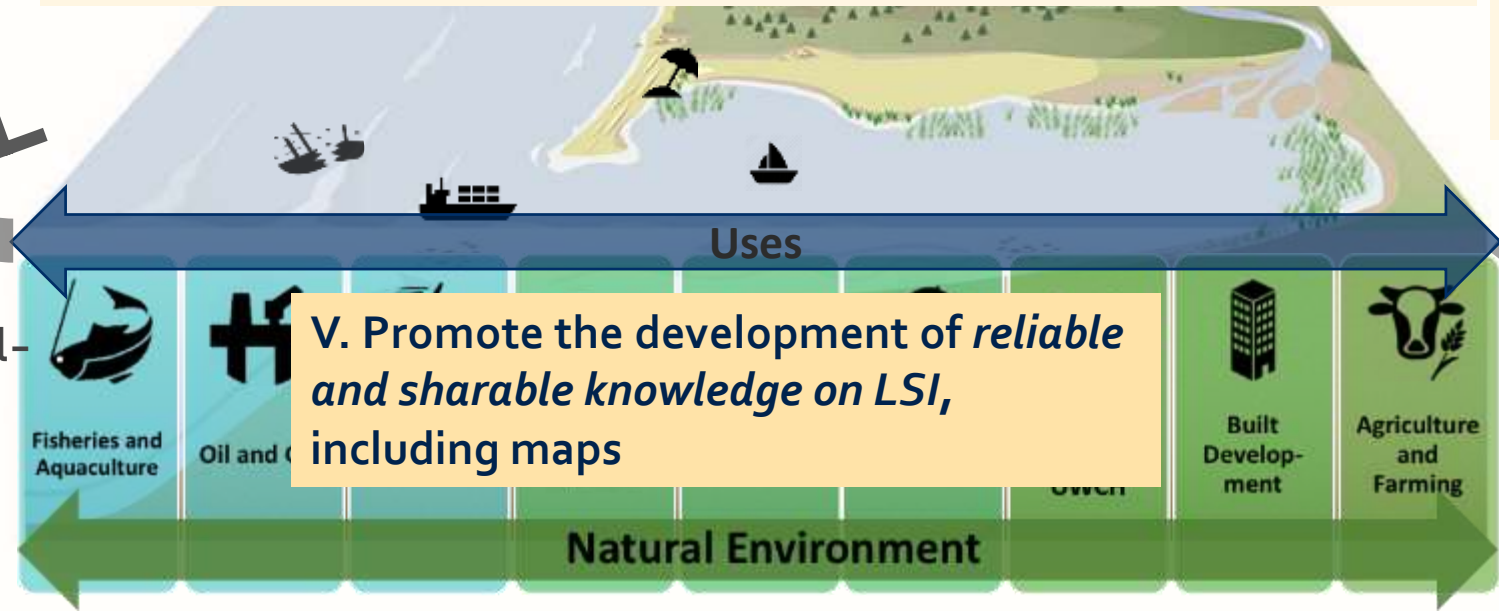


II. Promote a differentiated (4-dimensional) understanding of land-sea interactions: *issues, governance frameworks, processes, knowledge & methods*

VI. Allocate *resources, develop capacity and share experiences* for working with LSI, (especially local/ regional level authorities)

SCALE!

1. Issues: social-ecological interactions in time & space



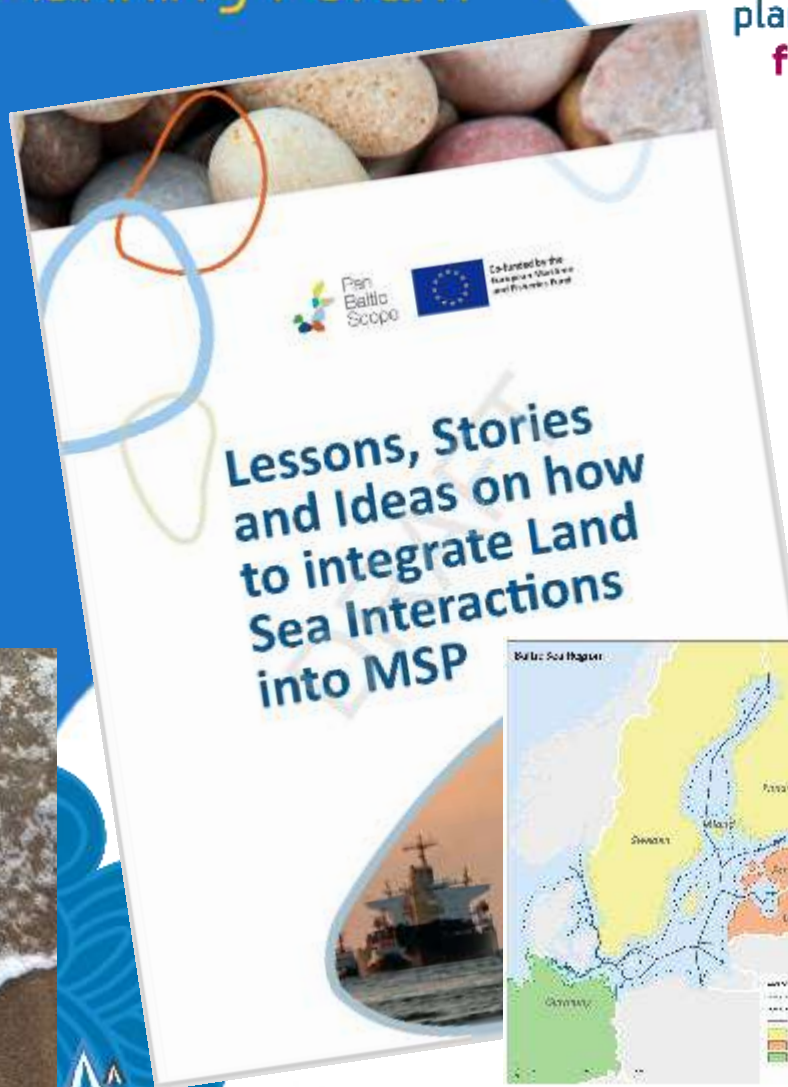
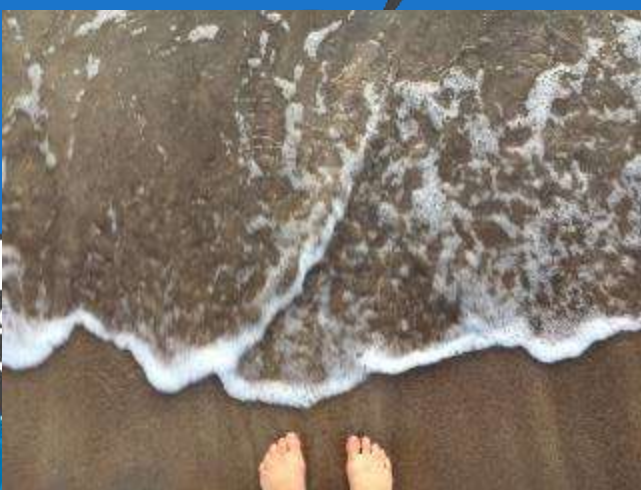
V. Promote the development of *reliable and sharable knowledge on LSI, including maps*

Figure: Sarah Mahadeo & Andrea Morf, Nordregio



# Maritime Spatial Planning Forum

## Global Meets Regional



marine  
spatial  
planning  
forum



INTERACTION  
INTO MSP



# THANKS!

Get the results:  
Draft Report  
excerpt available  
@Nordregio stand



Co-funded by the  
European Maritime and  
Fisheries Fund of the  
European Union

Maritime Spatial Planning Forum

Global  
Meets  
Regional



# Assessing the impacts of MSP on society – economic and social analyses

Heini Ahtiainen

Luke Dodd, Elina Laurila, Maija Holma

HELCOM

Pan Baltic Scope, Activity 1.2.5



Co-funded by the  
European Maritime and  
Fisheries Fund of the  
European Union





**Economic, social, cultural and ecosystem service impacts  
of MSP**

**Recommendations on developing a regional framework**

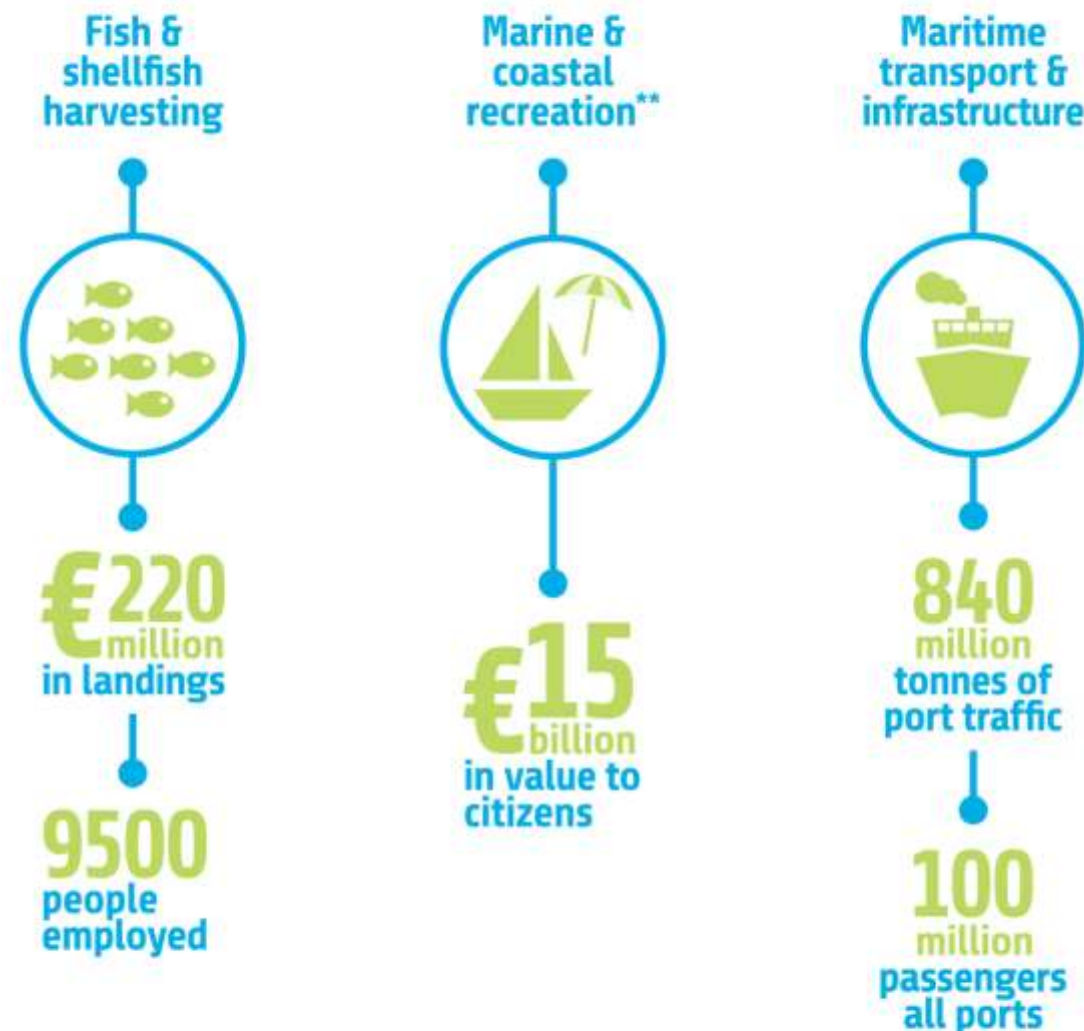
**Take-home messages**





# Use of the marine environment affects human well-being

## Benefits from the Baltic Sea\*



\* Per year \*\* Travel cost method

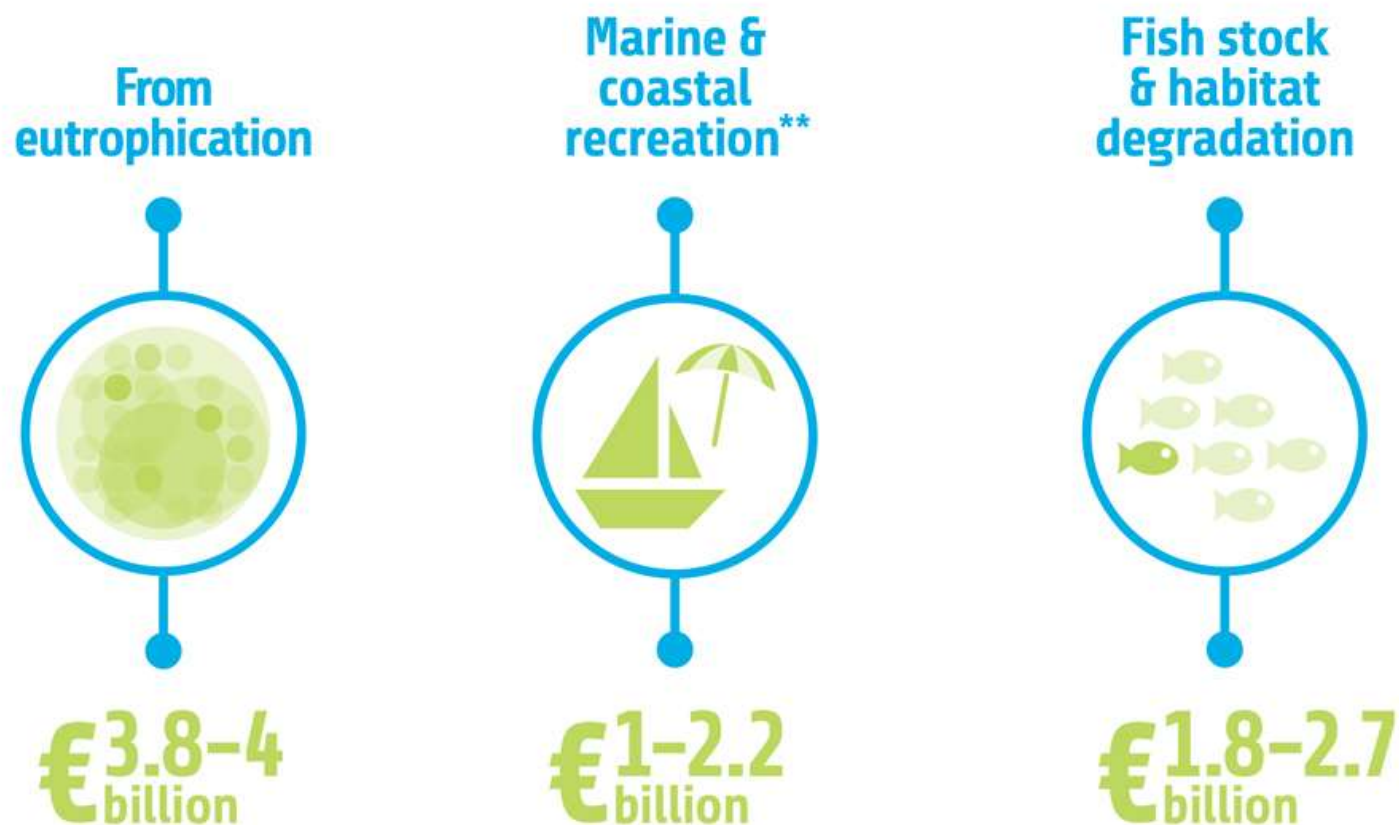
Source: State of the Baltic Sea report, Second HELCOM Holistic Assessment





# Environmental status affects human well-being

## Potential revenue losses\* when good environmental status is not achieved

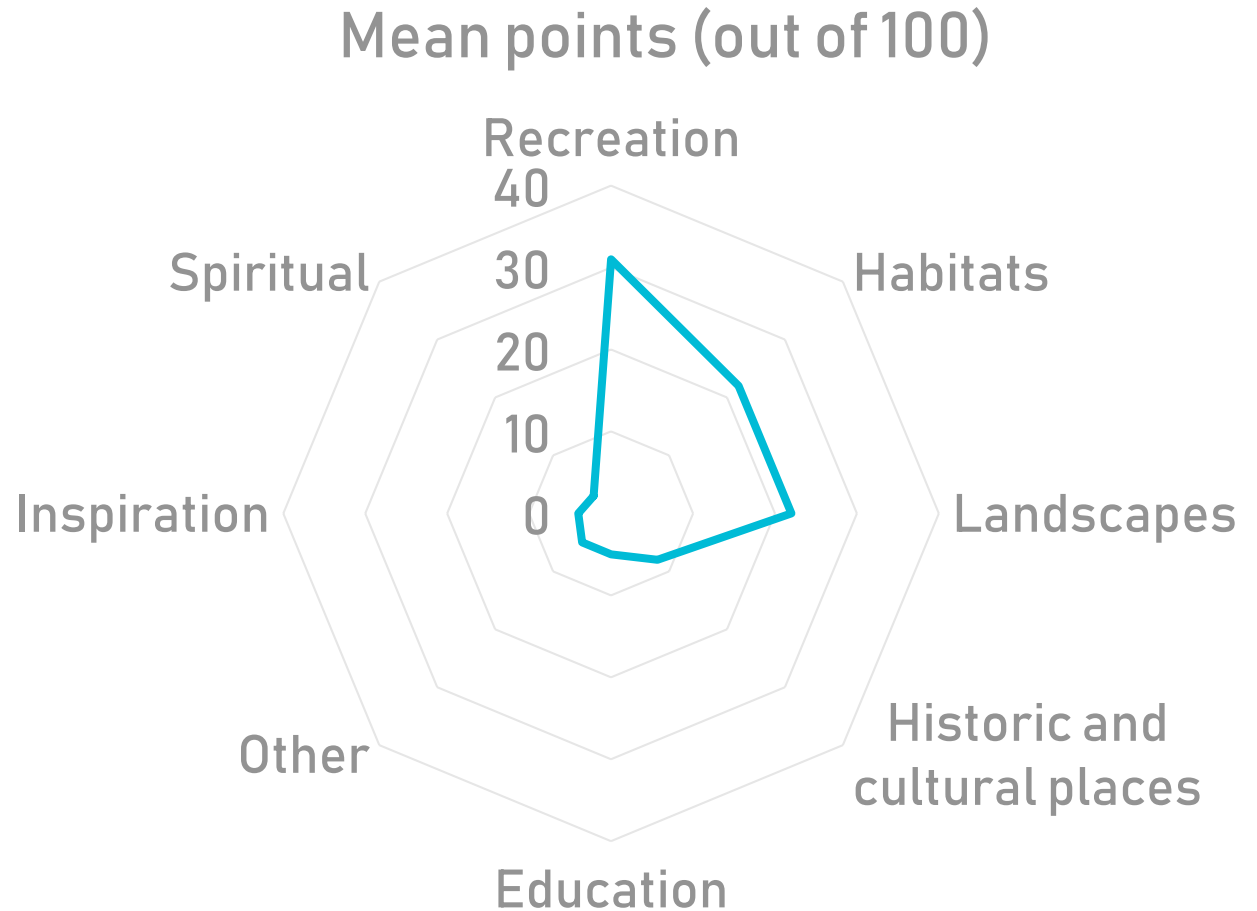


\* Per year \*\* Travel cost method

Source: State of the Baltic Sea report, Second HELCOM Holistic Assessment



# Importance of cultural ecosystem services in the Baltic Sea







# What did we do?

- Literature review and survey of assessing economic, social, cultural and ecosystem services impacts in MSP (lead: HELCOM)
- Recommendations on developing a regional framework for economic and social analyses in MSP (lead: HELCOM)

Presented in Workshop 4: Assessing Cumulative Impacts in MSP

- PlanWise4Blue: Integrated economic and cumulative impacts model (lead: Estonian Ministry of Finance)





# Why assess economic, social, cultural and ecosystem service impacts of MSP?

- Implement the ecosystem-based approach
  - Interaction between the ecosystem and socio-economic system
  - Sustainable use of marine goods and services
- Consider economic, social and environmental aspects (EU Maritime Spatial Planning Directive)
- Capture all relevant impacts on human welfare
- Improve the comparability of impacts







# Challenges

- Lack of data, resources and expertise
- Lack of comparable approaches and results
- Considerable room for interpretation on what kind of approaches and results are needed

→ Need for development work and collaboration





# Economic and social analyses for MSP

Economic  
contribution from  
sea uses

Effect of changes in  
environmental  
state/ecosystem  
services

Relative importance  
of sea uses and  
ecosystem services

Comparison of the  
benefits and costs of  
alternative spatial  
plans







# Benefits of regional work on economic and social analyses

- Enhancing regional cooperation and coherence of approaches and outputs across countries
- Aiding national and local authorities
- Improving the consideration of economic, social, cultural and ecosystem services impacts in MSP
- Example of a regional framework for economic and social analyses in Second HELCOM Holistic assessment (HOLAS II)





## Recommendations on developing a regional framework for economic and social analyses in MSP (1/2)



Aim for overarching assessment of economic, social, cultural, environmental and ecosystem services impacts of MSP



Conduct integrated analysis of the ecosystem and socio-economic system to follow the ecosystem-based approach



Build on existing work and frameworks for the integrated assessment





## Recommendations on developing a regional framework for economic and social analyses in MSP (2/2)



Develop approaches, data and results for spatial analyses



Develop common indicators for assessing economic, social and cultural aspects of MSP



Enable and support regional cooperation and coherent approaches and results



## Developing the framework in practice (1/2)



Work in international and interdisciplinary cooperation



Engage stakeholders



Target the specific needs of planners and policy-makers



Ensure continuation and institutional memory



## Developing the framework in practice (2/2)



Develop expertise and allocate resources for the analyses



Establish common terminology and understanding



Find synergies and commonalities between MSP and other policies



Ensure flexibility to allow for differences across areas





# Take-home messages

1. MSP has various impacts on economic, social, cultural and ecosystem service aspects
2. These impacts should be identified and assessed to account for effects on human well-being
3. Regional frameworks and increased coherence across countries benefit also national and local authorities



# Maritime Spatial Planning Forum

## Global Meets Regional



## Thank you!

More information:

[heini.ahtiainen\(at\)helcom.fi](mailto:heini.ahtiainen(at)helcom.fi)

<http://www.panbalticscope.eu/activities/advancing-the-implementation-of-the-ecosystem-based-approach-and-data-sharing/economic-and-social-analyses/>

Leaflet and report on recommendations  
available

Background report coming soon!



Co-funded by the  
European Maritime and  
Fisheries Fund of the  
European Union