The Land-Sea-Act Project

"Land-sea interactions advancing Blue Growth in Baltic Sea coastal area"

Project homepage: www.land-sea.eu

Implementation: 2019 – 2021 (3 years)

Aims:
-To bring together stakeholders involved in coastal management and planning;
-To find solutions to Maritime Spatial Planning and Blue Growth challenges around the Baltic Sea;
-To elaborate Multi-level Governance Agenda on Blue Growth and Spatial Planning in Baltic Sea Region.

Project partners:
State institutions, municipalities, scientific research institutions, NGO from 6 countries

Outputs and results

https://land-sea.eu/results/

- The Multilevel Governance Agenda for Blue Economy and Spatial Planning in the Baltic Sea Region - guiding document.

- The 6 reports from case studies, based on various specific issues.

- Compendium of Methodologies on how to Address Land-Sea Interactions and Development Trade-offs in Coastal Areas.

- Action Plan. Entrepreneurship and the Blue Economy in the Baltic Sea Region.

- Policy brief. Promoting Multi-level government to adress to Land-Sea interactions.

- Synthesis about coastal governance: based on Land-Sea-Act project cases.

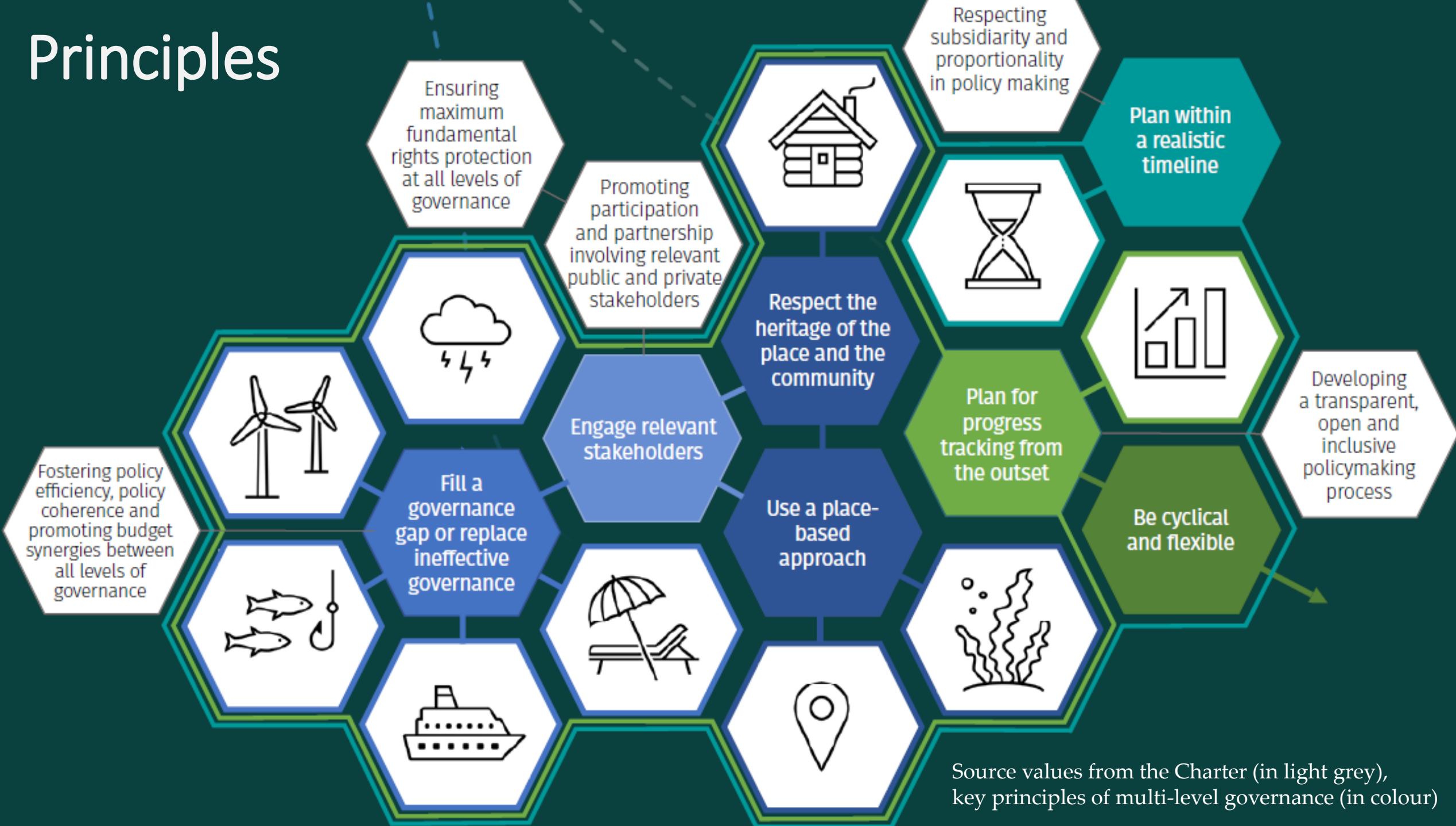- Blue Growth Checks. Mapping the Blue Economy in the case study regions

- Conference of the Land Sea Act project - 4th Baltic MSP Forum

- Transnational training on land-sea interactions in spatial planning

BALTIC 4th FORUM MSP
1-2 JUNE 2021, LATVIA & ONLINE

Multilevel Governance Agenda for
Blue Economy and Spatial Planning in the BSR

Principles

Ensuring maximum fundamental rights protection at all levels of governance

Respecting subsidiarity and proportionality in policy making

Plan within a realistic timeline

Promoting participation and partnership involving relevant public and private stakeholders

Respect the heritage of the place and the community

Engage relevant stakeholders

Plan for progress tracking from the outset

Developing a transparent, open and inclusive policymaking process

Fostering policy efficiency, policy coherence and promoting budget synergies between all levels of governance

Fill a governance gap or replace ineffective governance

Use a place-based approach

Be cyclical and flexible

Source values from the Charter (in light grey), key principles of multi-level governance (in colour)

Strategic steps and actions in multi-level government process.

Framework on HOW to slowly improve governance

Policy Brief

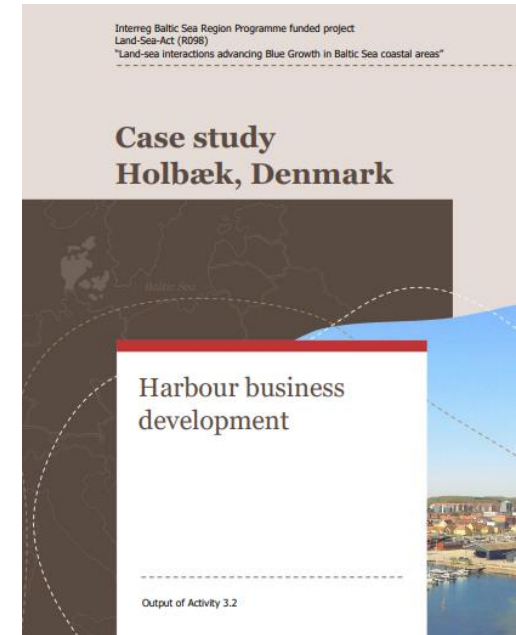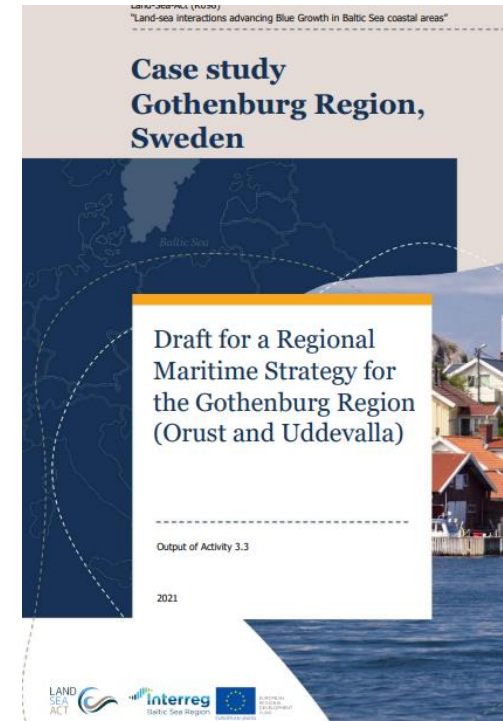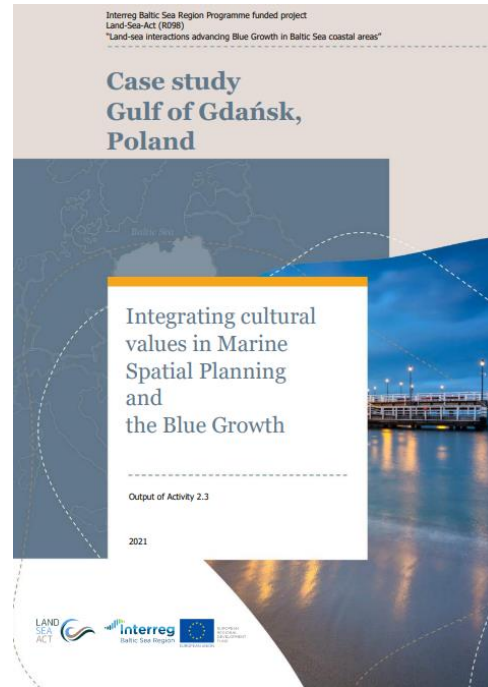# Compendium of Methodologies on How to Address Land-Sea Interactions and Development Trade-offs in Coastal Areas

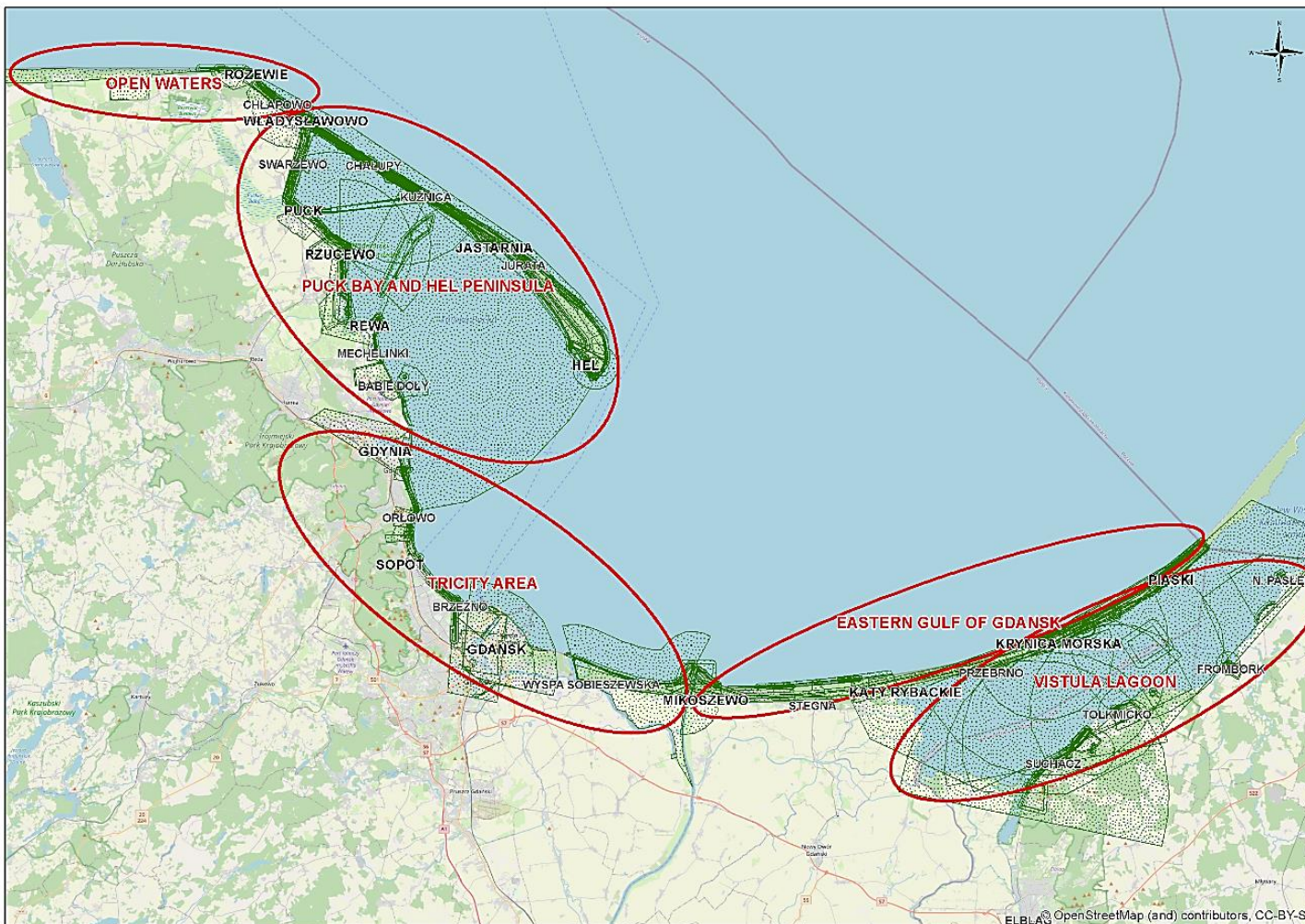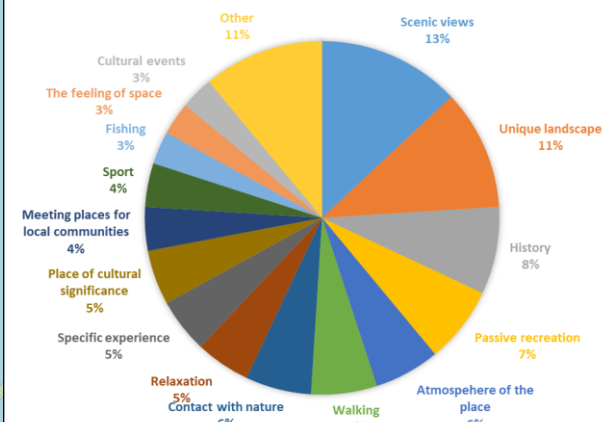# Workflow of the Latvian case study in Southwestern Kurzeme

6 Case studies
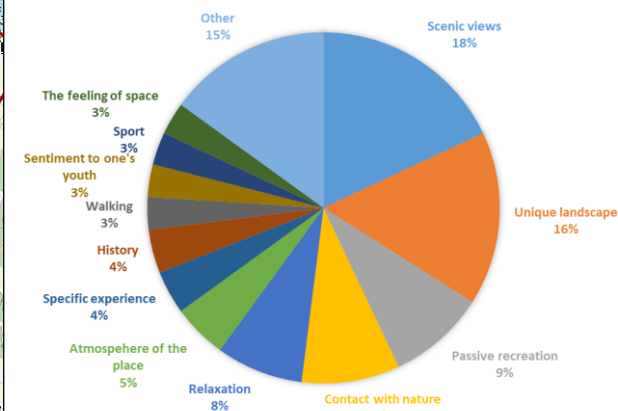

Interreg Baltic Sea Region Programme funded project
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

**Case study
Gulf of Gdańsk,
Poland**

Integrating cultural
values in Marine
Spatial Planning
and
the Blue Growth

Output of Activity 2.3

2021

Interreg Baltic Sea Region Programme funded project
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

**Case study
Northern coast,
Estonia**

Integrated coastal
tourism and mobility
planning

Output of Activity 2.5

2022

Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

**Case study
Gothenburg Region,
Sweden**

Draft for a Regional
Maritime Strategy for
the Gothenburg Region
(Orust and Uddevalla)

Output of Activity 3.3

2021

Interreg Baltic Sea Region Programme funded project
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

**Case study
Southwestern
Kurzeme, Latvia**

Balancing coastal
tourism and
use of off-shore wind
energy in Southwestern
Kurzeme

Output of Activity 2.2

2021

Interreg Baltic Sea Region Programme funded project
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

**Case study
Fehmarn, Germany**

Coastal conflicts,
climate impacts and
adaptation

Output of Activity 2.4

2021

Interreg Baltic Sea Region Programme funded project
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

**Case study
Holbæk, Denmark**

Harbour business
development

Output of Activity 3.2

CASES

INTEGRATED COASTAL MOBILITY AND TOURISM PLANNING

Estonia

ELABORATION OF GOTHENBURG REGIONAL MARITIME STRATEGY

Sweden

Latvia

TRADE-OFFS AND BALANCED USE OF LAND-SEA RESOURCES

Baltic Sea

Denmark

TOURISM ENTREPRENEURSHIP DEVELOPMENT IN SMALL PORTS

CULTURAL VALUES IN MSP & BLUE GROWTH

CLIMATE CHANGE ADAPTATION AND SUSTAINABLE TOURISM

Poland

Germany

PL: Mapping clusters of culturally significant areas

VALUES ASSIGNED TO IDENTIFIED PLACES IN THE GULF OF GDAŃSK

Scenic views 13%
Unique landscape 11%
History 8%
Passive recreation 7%
Atmosphere of the place 6%
Walking 6%
Contact with nature 6%
Relaxation 5%
Specific experience 5%
Place of cultural significance 5%
Meeting places for local communities 4%
Sport 4%
Fishing 3%
The feeling of space 3%
Cultural events 3%
Other 11%

VALUES ASSIGNED TO IDENTIFIED PLACES IN THE VISTULA LAGOON

Scenic views 18%
Unique landscape 16%
Passive recreation 9%
Contact with nature 9%
Relaxation 8%
Atmosphere of the place 5%
Specific experience 4%
History 4%
Walking 3%
Sentiment to one's youth 3%
Sport 3%
The feeling of space 3%
Other 15%

Interreg Baltic Sea Region Programme funded project
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

Case study
Gulf of Gdańsk, Poland

Integrating cultural values in Marine Spatial Planning and the Blue Growth

Output of Activity 2.3

2021

LV: Landscape assesment and getting stakeholder feedback on OWF

Determining of suitable areas for offshore wind parks by considering impacts on ecosystem and landscape.
Establishing of participatory approach in addressing conflicts between offshore developments and coastal interests of municipalities.
Development of strategic and spatial solutions for balancing the interests of offshore wind park and tourism development.
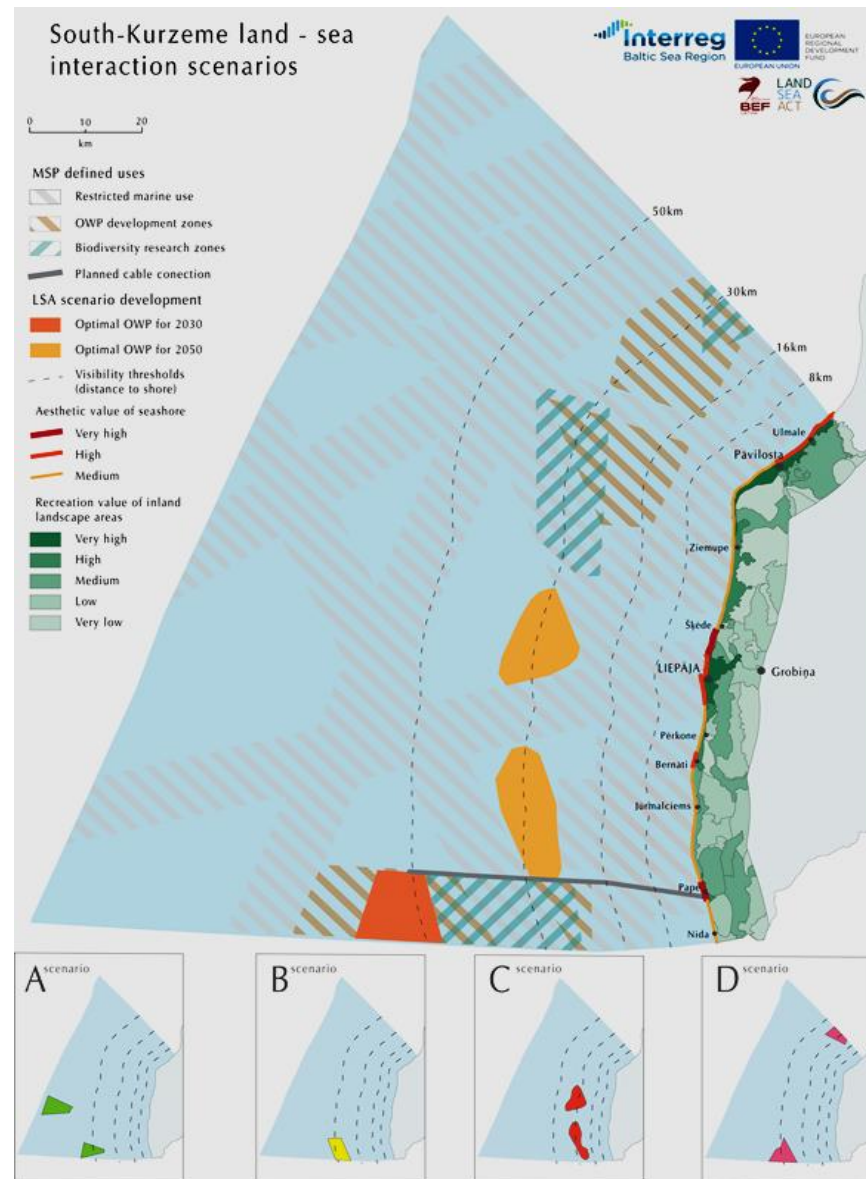
Stakeholders involved:

Ministry of Environmental Protection and Regional development, 6 municipalities, national and regional environmental & nature conservation authorities, Environmental NGO

Interreg Baltic Sea Region Programme funded project:
Land-Sea-Act (R098)
"Land-sea interactions advancing Blue Growth in Baltic Sea coastal areas"

Case study
Southwestern
Kurzeme, Latvia

Balancing coastal tourism and use of off-shore wind energy in Southwestern Kurzeme

Output of Activity 2.2

2021
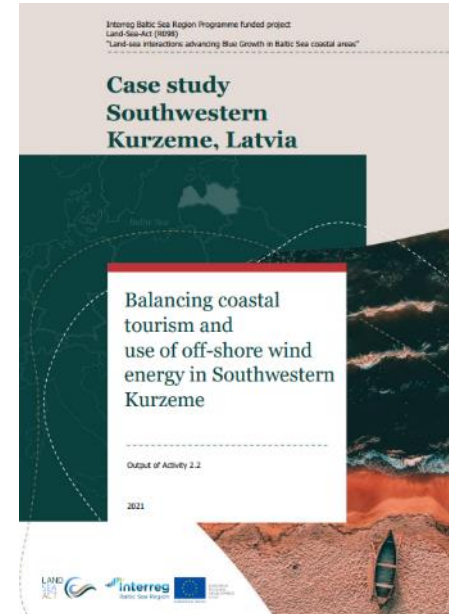
LV: Building scenarios of coastal-marine change

The impact of possible offshore wind farms development scenarios was analysed
➢ on ecosystem structure,
➢ ecosystem service,
➢ and human well-being perspectives.
Participatory GIS used, to results available in maps:
https://experience.arcgis.com/experience/2447e76e30 6a4e68bf82323e33b72b26/page/ENG/
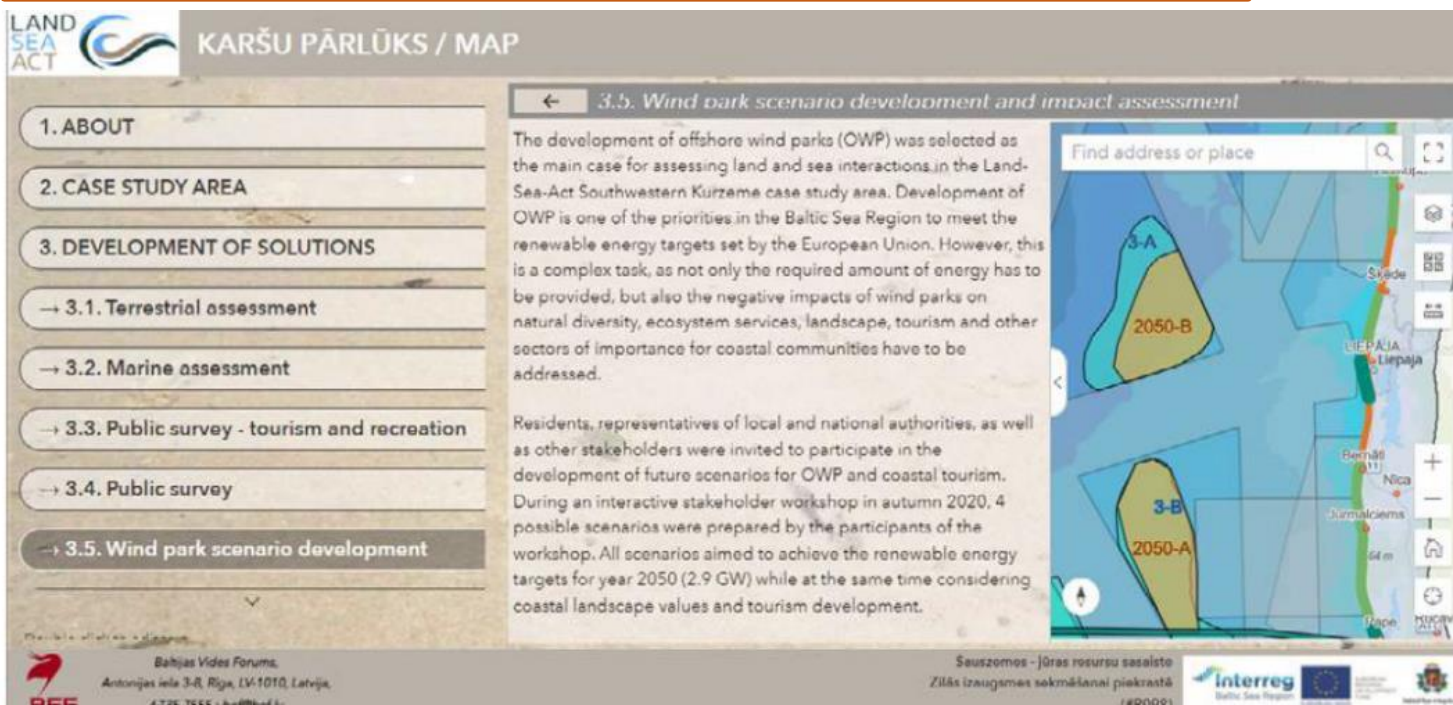
EE: 4 scenarios for integrated coastal tourism and mobility planning

Scenario building:
The artist illustrations would give a holistic perception of the landscape appearance and driving factors even without reading the paragraph concerning the respective scenario

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**Case study
Northern coast,
Estonia**

Integrated coastal tourism and mobility planning

Output of Activity 2.5

2022
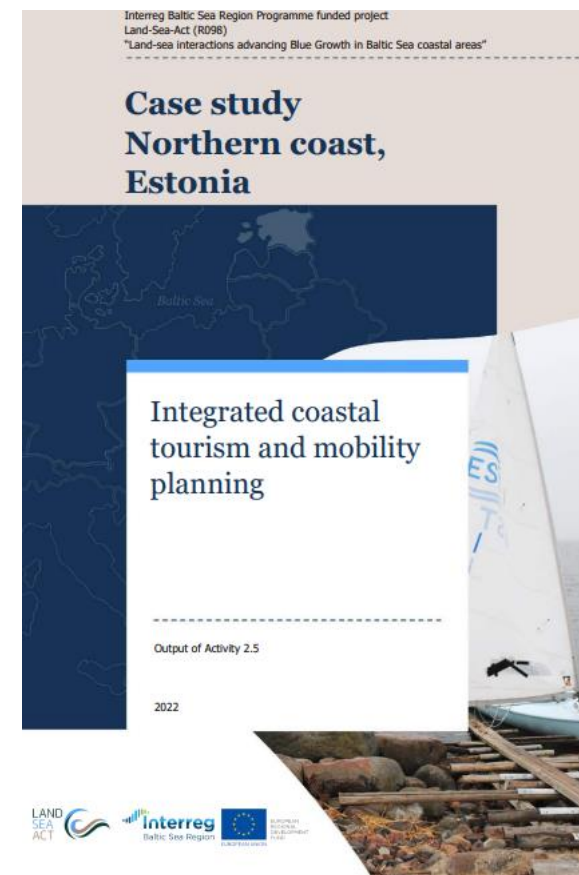
SE: Mapping of leisure and tourism business development areas
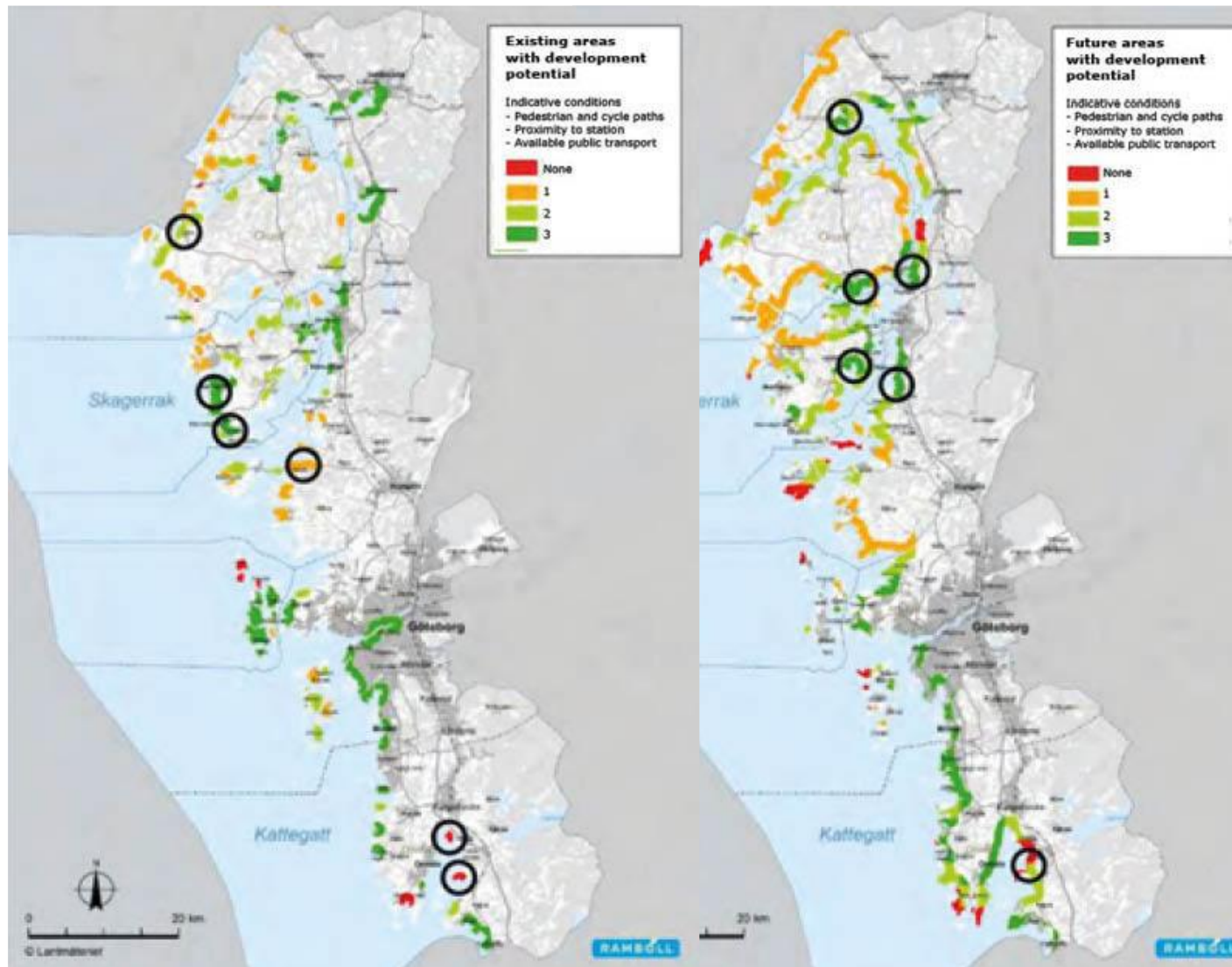
Mapping of areas with current potential for development was based on target points on the coast and created a buffer of 1 km aroundthe points. The accessibility of these points for pedestrians, cyclists and public transport passengers was compared to identify which places could have development potential.

Mapping of sites with future development potential is the inverted version of the coastline (without mapped target points within 1 km distance), weighed against the same accessibility indicators.

Case study
Gothenburg Region, Sweden

Draft for a Regional Maritime Strategy for the Gothenburg Region (Orust and Uddevalla)

Output of Activity 3.3

2021
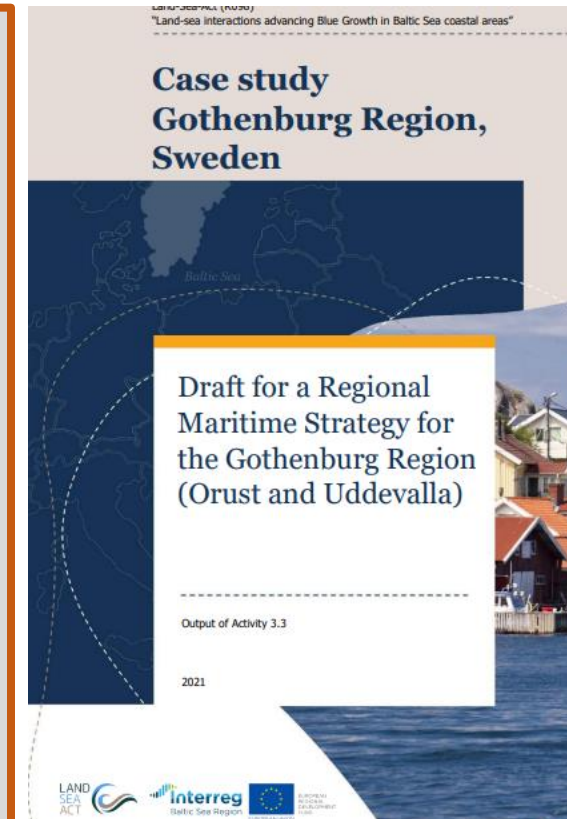
DK: Development of Holbæk Port
from industrial port to the active, open area

https://land-sea-art.eu/
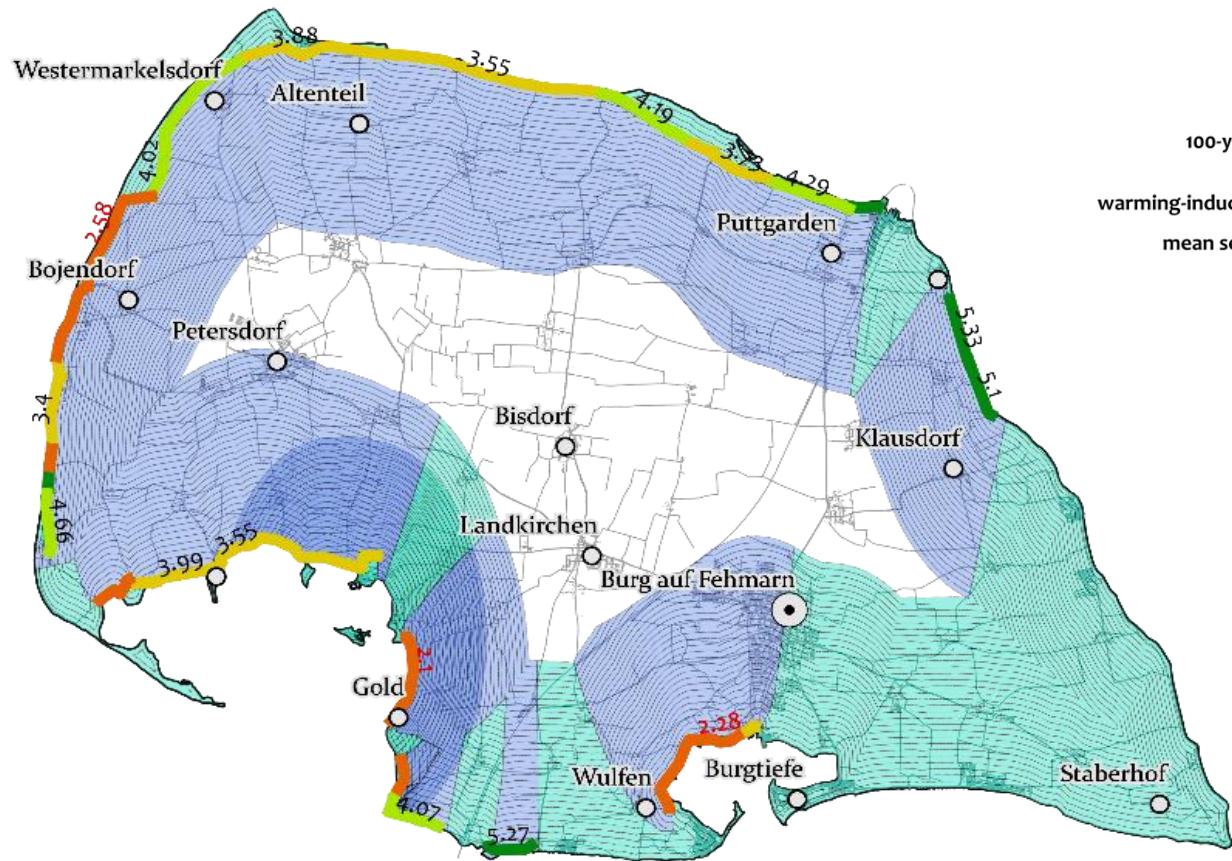

**Land Sea Art -
an interdisciplinary collaborative and complex project a with focus on supporting the growth of the new business opportunities in the harbour.**
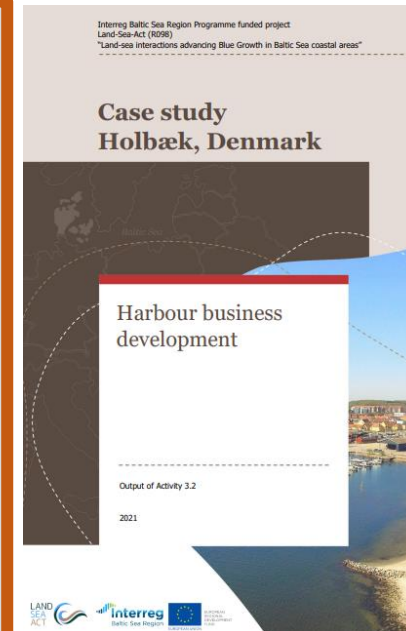
DE: Coastal flooding simulation model for climate change adaptation
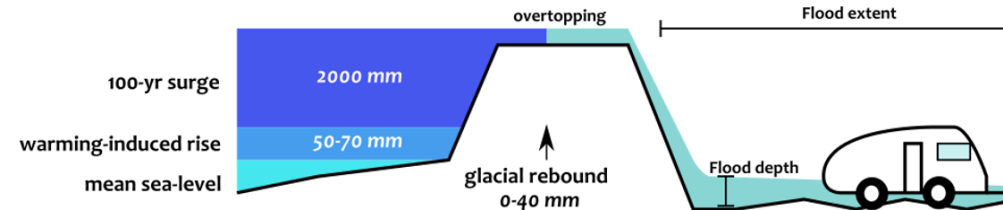

Conceptual flooding model

Illustration of flooding process in the established model for Fehmarn (Source: BEF)

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**Case study
Fehmarn, Germany**

Coastal conflicts,
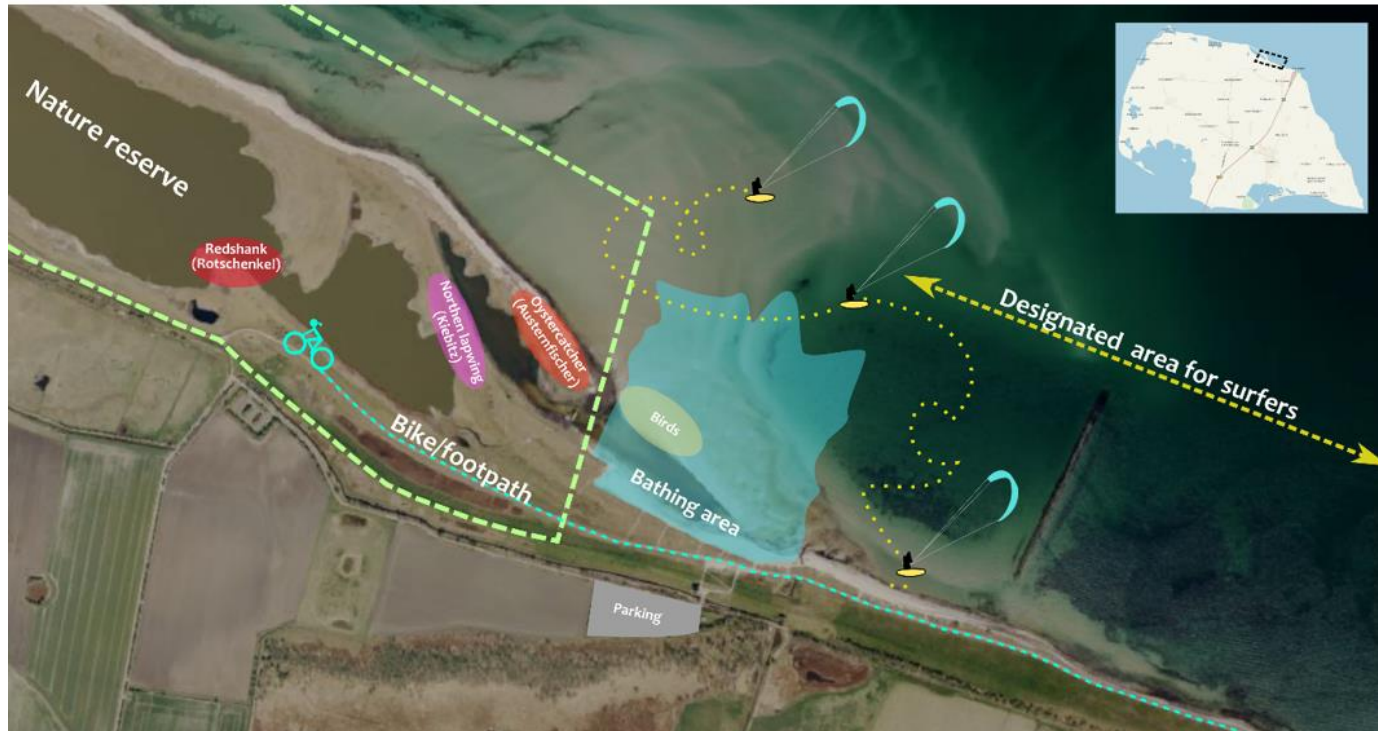climate impacts and
adaptation

Output of Activity 2.4

2021

Includes:
Effect of additional sea level rise on storm surge height.
Glacial Isostatic Adjustment.
Physical representation (height and location) of dikes.
Hydraulic connectivity of landscape.

Excludes:
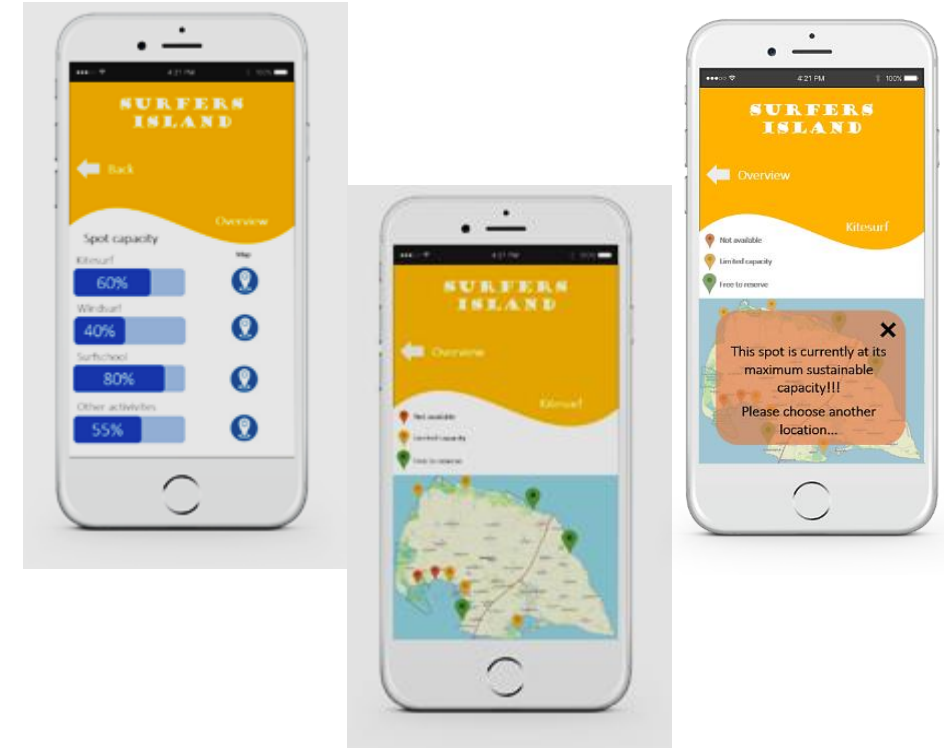Flood speed and intensity.
Dike breach.

Legend

Estimated dike height (m)   Model domains
- < 3   ▢ Non protected
- 3 - 4   ▢ Dike protected
- 4 - 5
- > 5

DE: Mitigation of visitor pressure on nature areas

Depiction of the spatial overlap of several coastal and blue economy activities at Grüner Brink (Source: BEF in communication with Strandpate)

Initially targeted specifically at surfers, in the future it would make more sense to have a general "parking App" for tourists and any other visitors. By completing the database with information on bus-stops and public parking spaces within the vicinity of beaches, eateries, footpaths etc. would lead to decrease the use of private transport and help avoid overcrowding of nature areas.

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Possible capitalisation & dissemination of results

- **Dealing with land-sea interactions:**
  - **Multi-level <u>collaboration</u>, simple solution – thematic working group(s)**
  - **<u>Land</u> based development and place reservation for Blue economy**
  - **Scale is important**
  - **Using new <u>methods</u> to support planning/development**
  - **Using new data gathering methods, including PGIS**

- **All outputs are published and available: <u>https://land-sea.eu/results/</u>**

- **Multilevel Governance Agenda** and other project materials should be popularized in BSR countries and translated, if necessary

Thank you!

Project homepage: www.land-sea.eu   martins.grels@varam.gov.lv