















Project details

Duration: 6/2020 – 12/2022

Funded by: Interreg Central Baltic

Total budget: 1 515 601.45 €

Partners: Finnish Environment institute SYKE,

University of Tartu,

Pellervo Economic Research,

Baltic Environmental Forum Latvia













Challenge: integration of ecological system with social-economic system

Ecosystem approach

Information is required from:

- ecosystem state
- the supply and use of ecosystem services
- human activities, their pressures and effects on ecosystems and services
 - Integration of this knowledge



Project overall goal

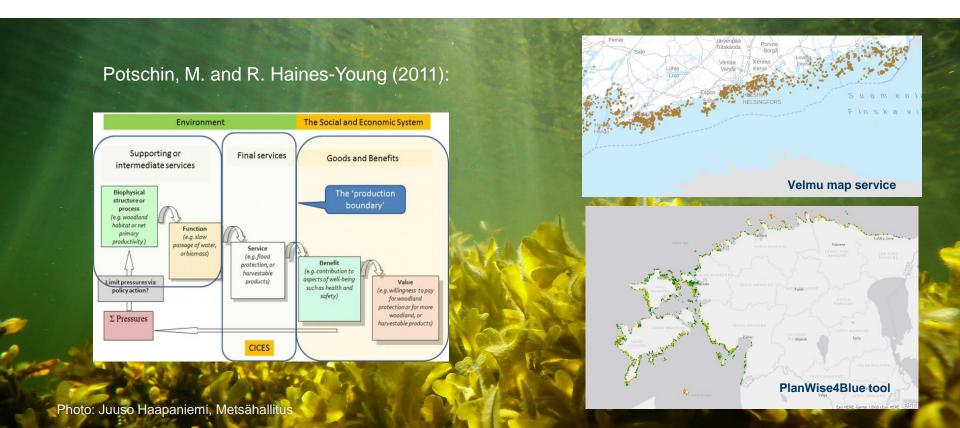
- To provide a framework that integrates marine ecosystems with the sociaeconomic system and the concept of environmental accounting.
 - Enables analysis of human impacts on marine environment and its services.
 - Promotes sustainable use of marine areas.

Project pilot areas: Gulf of Finland & Gulf of Riga



Map: NormanEinstein, CC BY-SA 3.0 http://creativecommons.org/licenses/by-sa/3.0/, via Wikimedia Commons

First step: Developing ecosystem service mapping and modelling in marine realm



Second step: Developing concepts of ecosystem accounting framework in the Baltic Sea environment

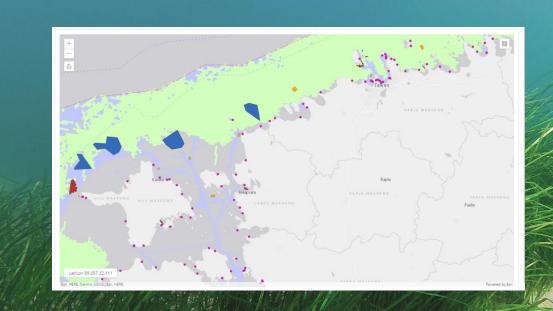


Third step: Creating sustainability compass towards sustainable development goals



Fourth step: Building a synthetic decision-support geoportal for sustainable maritime planning in pilot

areas http://www.sea.ee/planwise4blue



Input Layers Windpark areas [2] □ Dredging and dumping areas [1] Extraction of minerals [14] ✓ Harbours [8] Commercial fishing [6] Shipping intensity [4] Workspaces

Seminar talks

DAY 1

Louise Forsblom: Next generation of ecosystem service maps, can we reach flow?

Francisco R. Barboza: Main modelling outcomes and future directions

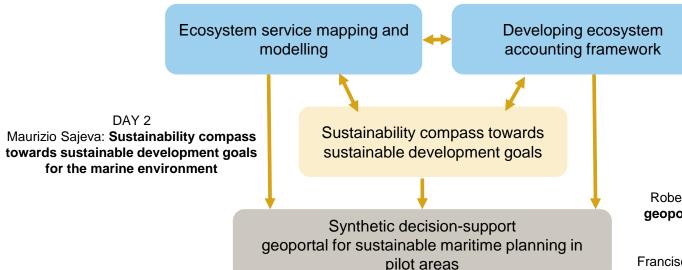
Agnese Reķe:, Mapping cultural ecosystem services in Latvia and Estonia

DAY 1

Tin-Yu Lai: Conceptual model of Natural Capital Accounting with an example of blue carbon application

Liisa Saikkonen: Perceived vs actual/modelled environment and implications on cultural ecosystem services

Tommi Tikkanen: Marine recreation and other cultural services in Finland, Estonia, Latvia—results of the survey



DAY 2

Robert Szava-Kovats: PlanWise4Blue geoportal – visualization and practical applications

Francisco R. Barboza: Joint testing of the portal and active discussion

Project communication outputs: policy briefs

MAREA POLICY BRIEF I / 2022

MAREA

Ecosystem Services in Maritime Spatial Planning



Interreg



MAREA POLICY BRIEF II / 2022

PlanWise4Blue geoportal for sustainable maritime spatial planning

The PlanWise4Blue (PW4B) Geoportal is a decision support tool aiming to maintain the sustainable management of common natural resources in the Baltic Sea region.





MAREA





Project communication outputs: video





Available in channel: bef.latvia













