

Maritime Spatial Planning for Sustainable Blue Economies (Plan4Blue)



Programme Priority: P2 Sustainable use of common resources

Programme Specific Objective: 2.2. Sustainably planned and managed marine and coastal areas

Sub-programme: Southern Finland - Estonia

Duration: 01.10.2016 - 31.12.2019

Total funding: 1.997.882 EUR

ERDF funding: 1.563.522 EUR ERDF

Project Summary:

The Plan4Blue project promotes sustainable planning and management of marine and coastal areas of the Gulf of Finland and the Archipelago Sea by developing a Maritime Spatial Planning (MSP) capacity. This aim will be achieved by setting up a cross-border collaboration in the field for this area.

The project supports growth of the marine and maritime sectors in a way that emphasizes the need to find a balance between economic, social and environmental goals. Because many of the economic activities cross borders and have cross-border impacts, planning and management requires cross-border collaboration between stakeholders and authorities.

The project responds directly to the programme goals by developing capacity in cross-border MSP in order to ensure a sustainable use of common resources. The project facilitates the collaboration of stakeholders and authorities to find cross-border solutions for sustainable planning and management of marine and coastal areas. The project focuses on cross-border aspects, but addresses also national and county levels as appropriate. The result will help to improve management of Gulf of Finland and its coastal areas.

Map of Partners

Partners

Lead Partner

Suomen ympäristökeskus

Country: FI

www.syke.fi/en-US [1]

Partner budget: 520.807 EUR

Amount of ERDF funding: 390.605 EUR ERDF

Project Partners

Tartu Ülikool

Country: EE

www.ut.ee/en [2]

Partner budget: 453.400 EUR

Amount of ERDF funding: 385.390 EUR ERDF

Turun yliopisto

Country: FI

www.utu.fi [3]

Partner budget: 489.799 EUR

Amount of ERDF funding: 367.349 EUR ERDF

Uudenmaan liitto

Country: FI

www.uudenmaanliitto.fi/englanti [4]

Partner budget: 168.181 EUR

Amount of ERDF funding: 126.136 EUR ERDF

Varsinais-Suomen liitto

Country: FI

www.varsinais-suomi.fi [5]

Partner budget: 167.995 EUR

Amount of ERDF funding: 125.996 EUR ERDF

MTÜ Balti Keskkonnafoorum

Country: EE

www.bef.ee [6]

Partner budget: 197.700 EUR

Amount of ERDF funding: 168.045 EUR ERDF

Associated Partners

Rahandusministeerium

Country: EE

Harju Maavalitsus

Country: EE

Ida-Viru Maavalitsus

Country: EE

Lääne-Viru Maavalitsus

Country: EE

Results

Expected results

Achieved results

Project result in category - Marine/coastal area with improved management

Plan4Blue - maritime spatial planning for future

The Plan4Blue project worked with Maritime Spatial Planning (MSP), under which it produced four future scenarios to support planning and management activities.

These scenarios discuss:

1. Marine energy
2. The maritime cluster
3. Blue bioeconomy & subsea resources and
4. Maritime tourism.

Planning was improved in the Finnish Gulf area between Finland and Estonia. Also, Russia and Åland islands were included on an information exchange level.

The project also created a guidance document to manage environmental risks related to human activities. For the guidance document, three case studies on the topics of shipping, pelagic fishing and nature conservation were conducted. Based on this, recommendations were given on how each of these topics should be addressed in MSP and what are important cross-border considerations. In addition, the project developed recommendations for cross-border collaboration in the frame of MSP.

Concrete improvements by the project include:

- Increased cross-border coherence of MSP through joint planning and management activities
- Increased awareness of the sustainable use of resources
- Improved capacity of planners, managers and stakeholders to assess what impact the project cross-border marine activities have had on environmental and socio-economic topics.

During implementation, the project published several documents as tangible proof for the improved MSP:

- The main results are the scenarios, for which also animations and infographics have been published.
- There are publications and reports published on each of the project topics; sustainable blue economies, environmental management of Maritime Spatial Planning, cross-border spatial data analysis and map visualisations and cross-border collaboration in MSP.
- Recommendations for maritime spatial planning for sustainable blue economies (pdf)

Publications related to the above topics are listed below

Sustainable Blue Economies:

- [Blue Growth ? Drivers and alternative scenarios for the Gulf of Finland and the Archipelago Seascenario \(pdf, 2 MB\). 2018. Publications of the Centre for Maritime Studies, Brahea Centre at the University of Turku. A 75. \[7\]](#)
- [Assessment of the role of marine industries in the region \[8\] \(pdf, 2 MB\). 2018](#)

Environmental Management:

- [Marine environmental vulnerability and cumulative risk profiles to support ecosystem-based adaptive maritime spatial planning \[9\]. 2018. Aps, R., Herkül, K. et.al. ICES Journal of Marine Science](#)
- [Environmental management strategy for maritime spatial planning \[10\] \(pdf, 1 MB, June 2019\)](#)
- [Guidelines on environmental management for sustainable MSP \[11\] \(pdf, 1 MB, August 2019\)](#)

Spatial Analysis:

- [Guide for cross-border spatial data analysis in Maritime Spatial Planning \[12\] \(pdf, 2 MB\). Practical](#)

handbook. 2019. Nylén T, Tolvanen H, Erkkilä-Välimäki A & Roose M. Publications of the Department of Geography and Geology of University of Turku 12. University of Turku, Turku.

- [Map visualisations of Plan4Blue MSP case studies](#) [13] (pdf, 5 MB). Map deliverable. 2019. Roose, M., Nylén, T., Tolvanen, H., Erkkilä-Välimäki, A. Plan4Blue report.
- [From silent knowledge to spatial information – Mapping blue growth scenarios for maritime spatial planning](#) [14]. Scientific article. 2019. Tolvanen, H, Erkkilä-Välimäki, A, Nylén, T (2019). Marine Policy 107, 103598.

Cross-border collaboration in MSP:

- [Recommendations for cross-border collaboration](#) [15] (pdf, 1 MB, 2019)

More available on the project [website](#) [16].

Project page in database

[Maritime Spatial Planning for Sustainable Blue Economies](#) [17]

At a glance

- Increased cross-border coherence of MSP through joint planning and management activities
- Increased awareness of the sustainable use of resources
- Improved capacity of planners, managers and stakeholders to assess what impact the project cross-border marine activities have had on environmental and socio-economic topics.

Files

-  [Blue Growth ? Drivers and alternative scenarios for the Gulf of Finland and the Archipelago Seacenario](#) [18]
-  [Assessment of the role of marine industries in the region](#) [19]
-  [Environmental management strategy for maritime spatial planning](#) [20]
-  [Guidelines on environmental management for sustainable MSP](#) [21]
-  [Guide for cross-border spatial data analysis in Maritime Spatial Planning](#) [22]
-  [Map visualisations of Plan4Blue MSP case studies](#) [23]
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Tags

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Project Visibility

Social media links

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Other media visibility

[UT researchers looking for possibilities for sustainable growth of maritime economy in the Gulf of Finland and the Archipelago S](#) [30]

[Dialog över Finska viken](#) [31]

[Katse uusiin mahdollisuuksiin – Saaristomeren ja Suomenlahden merellisten alueiden tulevaisuuden visiointia](#) [32]

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[1] <http://www.syke.fi/en-US> [2] <http://www.ut.ee/en> [3] <http://www.utu.fi> [4] <http://www.uudenmaanliitto.fi/englanti> [5] <http://www.varsinais-suomi.fi> [6] <http://www.bef.ee> [7] http://database.centralbaltic.eu/sites/default/files/A75_Blue_growth-Drivers_and_scenarios.pdf [8] <http://database.centralbaltic.eu/sites/default/files/Final%20Report%20%28DT1.8.1%29%2C%20Paas%20et%20al.pdf> [9] <https://academic.oup.com/icesjms/article/75/7/2488/5070430> [10] http://database.centralbaltic.eu/sites/default/files/Plan4Blue%20DEL%202_3_1_Environmental%20management%20strategy%20for%20MSP.pdf [11] http://database.centralbaltic.eu/sites/default/files/Deliverable%20DT2.4.1_guidelines_FINAL.pdf [12] http://database.centralbaltic.eu/sites/default/files/MSP_spatial_data_guide_2019.pdf [13] http://database.centralbaltic.eu/sites/default/files/O.T3.2_Map_visualisations_of_Plan4Blue_MSP_case_studies.pdf [14] [http://From silent knowledge to spatial information – Mapping blue growth scenarios for maritime spatial planning](http://From%20silent%20knowledge%20to%20spatial%20information%20-%20Mapping%20blue%20growth%20scenarios%20for%20maritime%20spatial%20planning) [15] http://database.centralbaltic.eu/sites/default/files/Recommendations%20for%20cross-border%20collaboration_Deliverable%20D.T4.5.1.pdf [16] [https://www.syke.fi/en-US/Research_Development/Research_and_development_projects/Projects/Maritime_Spatial_Planning_for_Sustainable_Blue_Economies_PLAN4_BLUE/Publications/Publications_of_the_maritime_spatial_pla\(42101\)](https://www.syke.fi/en-US/Research_Development/Research_and_development_projects/Projects/Maritime_Spatial_Planning_for_Sustainable_Blue_Economies_PLAN4_BLUE/Publications/Publications_of_the_maritime_spatial_pla(42101)) [17] <https://database.centralbaltic.eu/project/62> [18] https://database.centralbaltic.eu/sites/default/files/A75_Blue_growth-Drivers_and_scenarios.pdf [19] <https://database.centralbaltic.eu/sites/default/files/Final%20Report%20%28DT1.8.1%29%2C%20Paas%20et%20al.pdf> [20] https://database.centralbaltic.eu/sites/default/files/Plan4Blue%20DEL%202_3_1_Environmental%20management%20strategy%20for%20MSP.pdf [21] https://database.centralbaltic.eu/sites/default/files/Deliverable%20DT2.4.1_guidelines_FINAL.pdf [22] https://database.centralbaltic.eu/sites/default/files/MSP_spatial_data_guide_2019.pdf [23] https://database.centralbaltic.eu/sites/default/files/O.T3.2_Map_visualisations_of_Plan4Blue_MSP_case_studies.pdf [24] https://database.centralbaltic.eu/sites/default/files/Recommendations%20for%20cross-border%20collaboration_Deliverable%20D.T4.5.1.pdf [25] <https://database.centralbaltic.eu/tags/maritime-spatial-planning> [26] <https://database.centralbaltic.eu/tags/environmental-management> [27] <https://database.centralbaltic.eu/tags/sustainable-blue-economies> [28] <https://database.centralbaltic.eu/tags/blue-economy> [29] <http://www.syke.fi/projects/plan4blue> [30] <http://www.ut.ee/en/news/ut-researchers-looking-possibilities-sustainable-growth-maritime-economy-gulf-finland-and> [31] <https://www.finlandsnatur.naturochmiljo.fi/artiklar/article-87026-65266-dialog-over-finska-viken> [32] http://www.centralbalticum.org/uutishuone/blogi/katse_uusiin_mahdollisuuksiin_saaristomeren_ja_suomenlahden_merellisten_alueiden_tulevaisuuden_visiointia.5356.blog