



MSP4BIO

Improved Science-Based Maritime Spatial Planning to Safeguard and Restore Biodiversity in a Coherent European MPA Network

Kemal Pinarbasi – HELCOM Secretariat



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707

MSP4BIO - Overall Objective

“Develop and demonstrate the ways in which knowledge-based MSP becomes a vehicle and a tool for the protection and restoration of biodiversity”

Convention on Biological Diversity (CBD) Post-2020 Global Biodiversity Framework

EU Biodiversity Strategy (EUBS) 2030

EU Green Deal

POLICY IMPLEMENTATION



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707



Specific Objectives

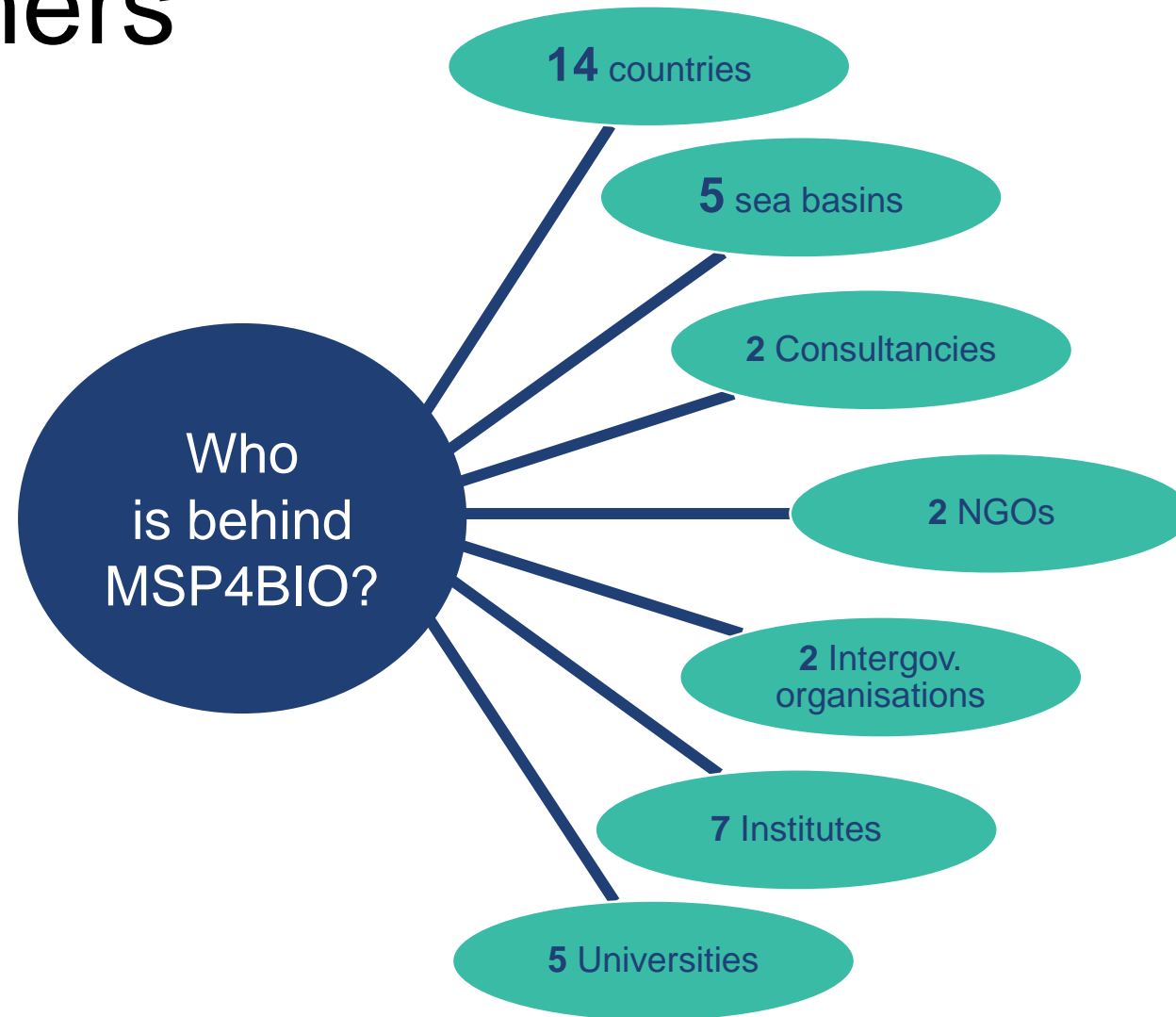
- **SO1. Improve the science base** for the description of EBSAs and, identification of new, restoration, enlargement and management of existing MPAs
- **SO2. Develop and demonstrate a novel flexible management framework** that integrates ecological and socio-economic dimensions for the prioritization of strategic and spatial conservation-management measures
- **SO3. Strengthen the role of MSP as an integrative framework** to support the coherent implementation of relevant policies (MSFD, WFD, MSPD, BHD, Common Fisheries Policy (CFP), etc.) as well as the EUBS2030 and the CBD post-2020.
- **SO4. Improved biodiversity and natural capital integration** into public and business decision-making at all levels for the protection and restoration of ecosystems and their services.



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707



Project Partners



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707



Project Partners

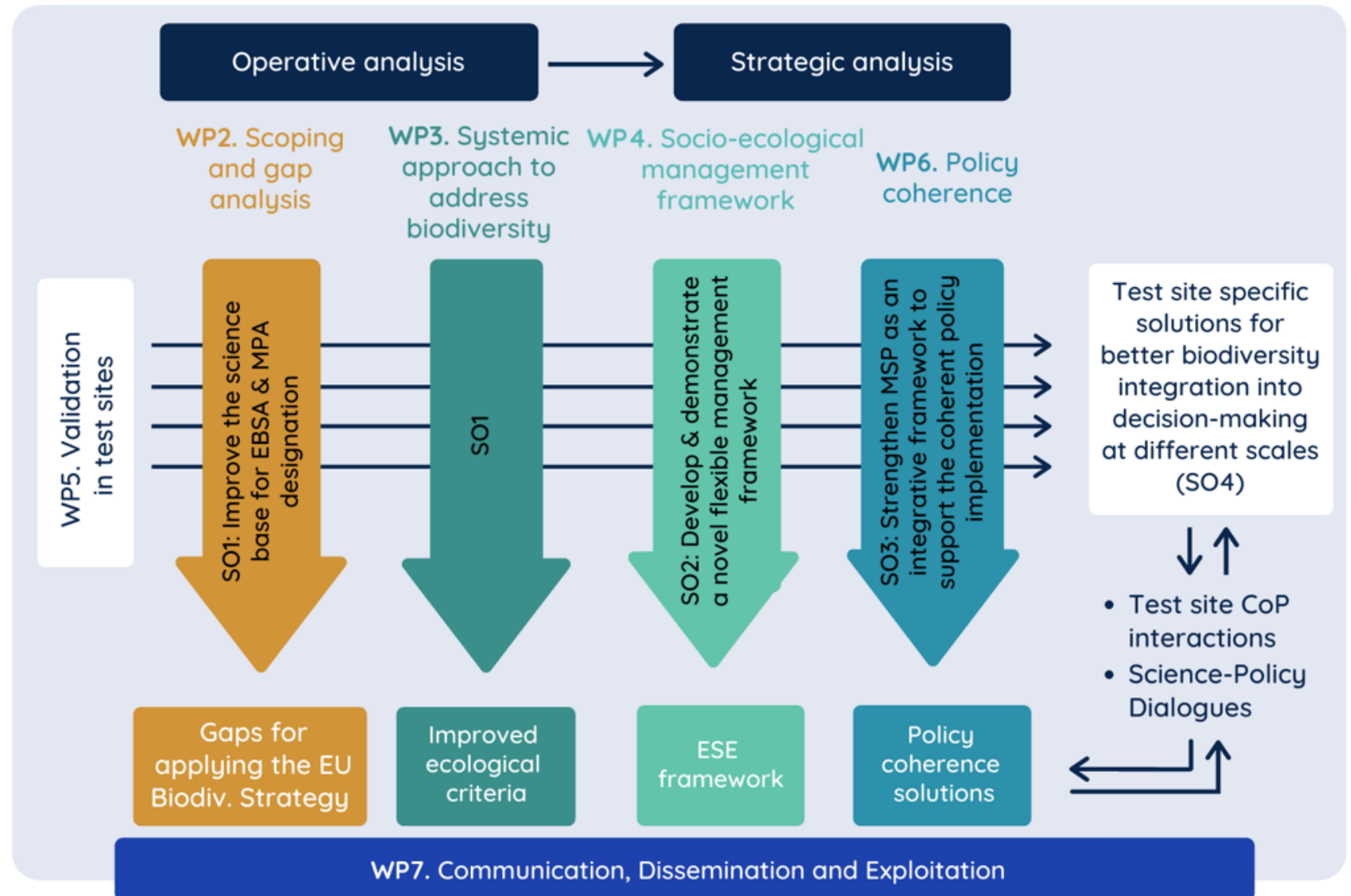
1 (Coo)	s.Pro - sustainable projects GmbH (SPRO)	Germany
2	Centre d'études et d'expertise sur les risques, l'environnement, la mobilité et l'aménagement (CEREMA)	France
3	Center for Coastal and Marine Studies (CCMS)	Bulgaria
4	Uniwersytet Morski W Gdyni (GMU)	Poland
5	Universidad De Cadiz (UCA)	Spain
6	Universite De Nantes (UNANTES)	France
7	Tartu Ülikool (UTARTU)	Estonia
8	Fondazione WWF Mediterranean (WWF-MED)	Italy
9 (Affil.)	WWF European Policy Office (WWF-EPO)	Belgium
10	Coastal Research and Planning Institute (CORPI)	Lithuania
11	The Baltic Marine Environment Protection Commission (HELCOM)	Finland
12	Consiglio Nazionale Delle Ricerche (CNR)	Italy
13	Vlaams Instituut Voor De Zee (VLIZ)	Belgium
14	Suomen Ymparistokeskus (SYKE)	Finland
15	Universidade Dos Acores Ponta Delgada S Miguel Acores, Pt (UAC)	Portugal
16	Institutul National De Cercetare-dezvoltare Marina Grigore Antipa (NIMRD)	Romania
17	Priority Action Programme Regional Activity Center (PAP/RAC)	Croatia
18 (Assoc.)	Seascope Consultants Ltd. (SEASC)	UK



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707



Overview



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707





MSP4BIO Test Sites

MSP4BIO test site locations

Environment

- Coastal
- Offshore
- Deep-sea

**Administrative level*

Sectors covered

- Fishery
- Aquaculture
- Tourism
- Renewables
- Mineral extraction

BALTIC SEA UTARTU / HELCOM

Entire Baltic Sea basin with the sub-case of Vistula Lagoon/ Southern Baltic - **377,000 km²**

**Transnational (all Baltic Sea countries)-and local/regional (328 sq.km PL/RU cross-border)*

NORTH SEA VLIZ

Belgian part of the North Sea - **3,447 km²**

**National (Belgium)*

ATLANTIC 2 UAC

Azores ZEE and extended continental shelf - **971,582 km²**

**Regional level - autonomous region (Portugal)*

NW-MED CNR / CEREMA

North-Western Mediterranean (Pelagos Sanctuary area and Gulf of Lion) - **130,000 km²**

**Transnational (Italy, France, Monaco)*

BLACK SEA NIMRD / CCMS

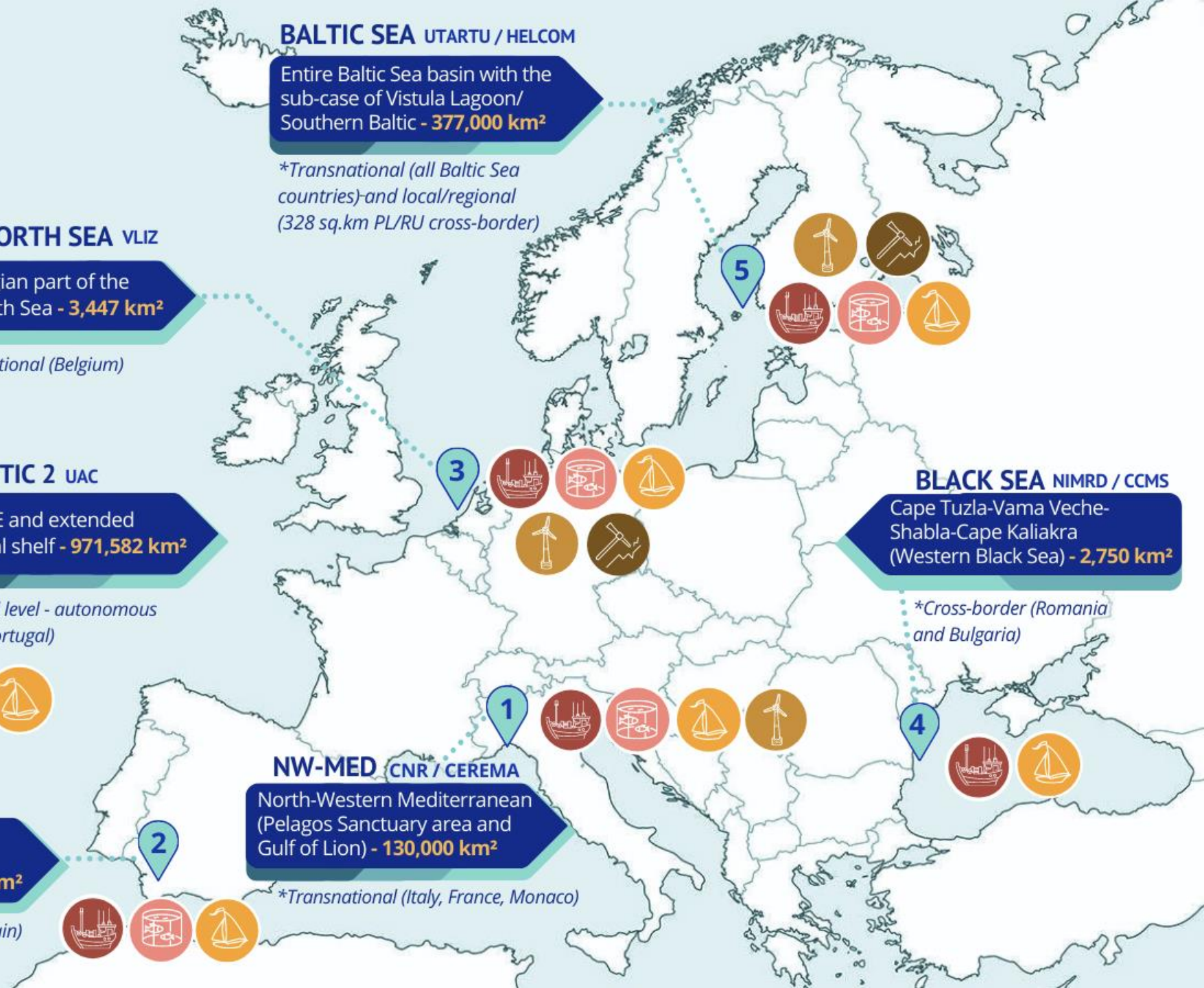
Cape Tuzla-Vama Veche-Shabla-Cape Kaliakra (Western Black Sea) - **2,750 km²**

**Cross-border (Romania and Bulgaria)*

ATLANTIC 1 UCA

Gulf of Cadiz: Cadiz Bay, Guadalquivir Estuarine area - **15,652 km²**

**Subnational/national (Spain)*



Expected key results

EU-wide overview of biodiversity data availability

Improved ecological criteria for identification of MPAs and EBSAs and improvement of MPAs network

Integrated modular management framework allowing for better integration of biodiversity considerations in MSP, wider participation and adaptations

Ecological Toolkit ensuring better integration of data in decision making (improved DSTs)

Policy coherence solutions to strengthen MSPs compatibility with the new biodiversity policy requirements

6 demonstrators at different governance levels producing **site specific solutions**



Key users and beneficiaries

Key users

Primary:
MSPlanners,
MPA managers,
environmental
authorities;

Secondary:
Authorities for
the sectoral
planning and
project level
tendering and
permits.

Beneficiaries

Primary:
Policymakers at
EU, regional seas
& national levels,
NGOs, scientists,
& experts in
biodiv., MSP
& sectors

Secondary:
Business
representatives
esp. fisheries
& aquaculture, as
well as energy,
shipping & tourism

Tertiary:
Those who will in
the future deal with
biodiversity
management
(students);
General public.



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707



BSAP Actions on Spatial Conservation

- By 2030 at the latest, establish a resilient, **regionally coherent, effectively** and equitably managed, **ecologically representative** and **well-connected** system of HELCOM marine protected areas (MPAs), supported by those other spatial conservation measures, under alternative regimes for marine protection.
- Come to common understanding of the Other Effective Area-based Conservation Measures (OECMs) criteria and their use to support the **coherence of the Baltic Sea MPA network**.
- Develop, implement and share information on **effective management measures**, including measures to ensure compliance/control measures, to reduce the impact of fisheries inside marine protected areas (MPAs) in order to contribute to achieving their conservation objectives.
- Assess coherence of the MPA network and identify possible **spatial conservation expansion needs** to improve coherence.

MSP4BIO will support Baltic Sea regional commitments



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707



Expected outcomes

- Regional commitments
 - Consideration of ecological and environmental analysis in regional perspective
- Identification of data requirements
 - State of the art and and identification of requirements
- Analysis of solutions
 - How to implement these solutions into the second cycle of MSP





Thank you

Kemal Pinarbasi, HELCOM Secretariat
kemal.pinarbasi@helcom.fi



This project has received funding from the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101060707