

Improved transdisciplinary science for effective ecosystem-based maritime spatial planning and conservation in European Seas

Maria Bas¹, Marta Coll¹, Miquel Ortega¹, Stefan Neuenfeld², Ibon Galparsoro³, Stelios Katsanevakis⁴, Wesley Flannery⁵, Mike Elliott⁶, Jeroen Steenbeek⁷, GerJan Piet⁸, Simonetta Fraschetti⁹, Vanessa Stelzenmüller¹⁰

¹Institut de Ciències del Mar (ICM-CSIC); ²Danmarks Tekniske Universitet (DTU); ³Fundación AZTI; ⁴Pamepistimio Aigaiou (UAegean); ⁵The Queen's University of Belfast (QUB); ⁶International Estuarine & Coastal Specialists Ltd (IECS Ltd); ⁷Ecopath International Initiative Asociacion (EII); ⁸Stichting Wageningen Research (WR); ⁹Universitá degli Studi di Napoli Federico II (UNaples); ¹⁰Johann Heinrich von Thuenen-Institut (TI SF)





Main goal

To develop and apply a **Decision**Support System (DSS) for
ecosystem-based maritime
spatial planning (EB-MSP) together
with best practice guidance to enhance
the design and effectiveness of spatial
conservation and restoration
measures for marine biodiversity in
European Sea

Topics and evolution

Cause-effect

pathways of

cumulative

pressures

Analysing gaps and developing the EB-MSP DSS

MSP and

MPA

governance

processes

Spatial

prioritisation

approaches

Operational

EBSA and

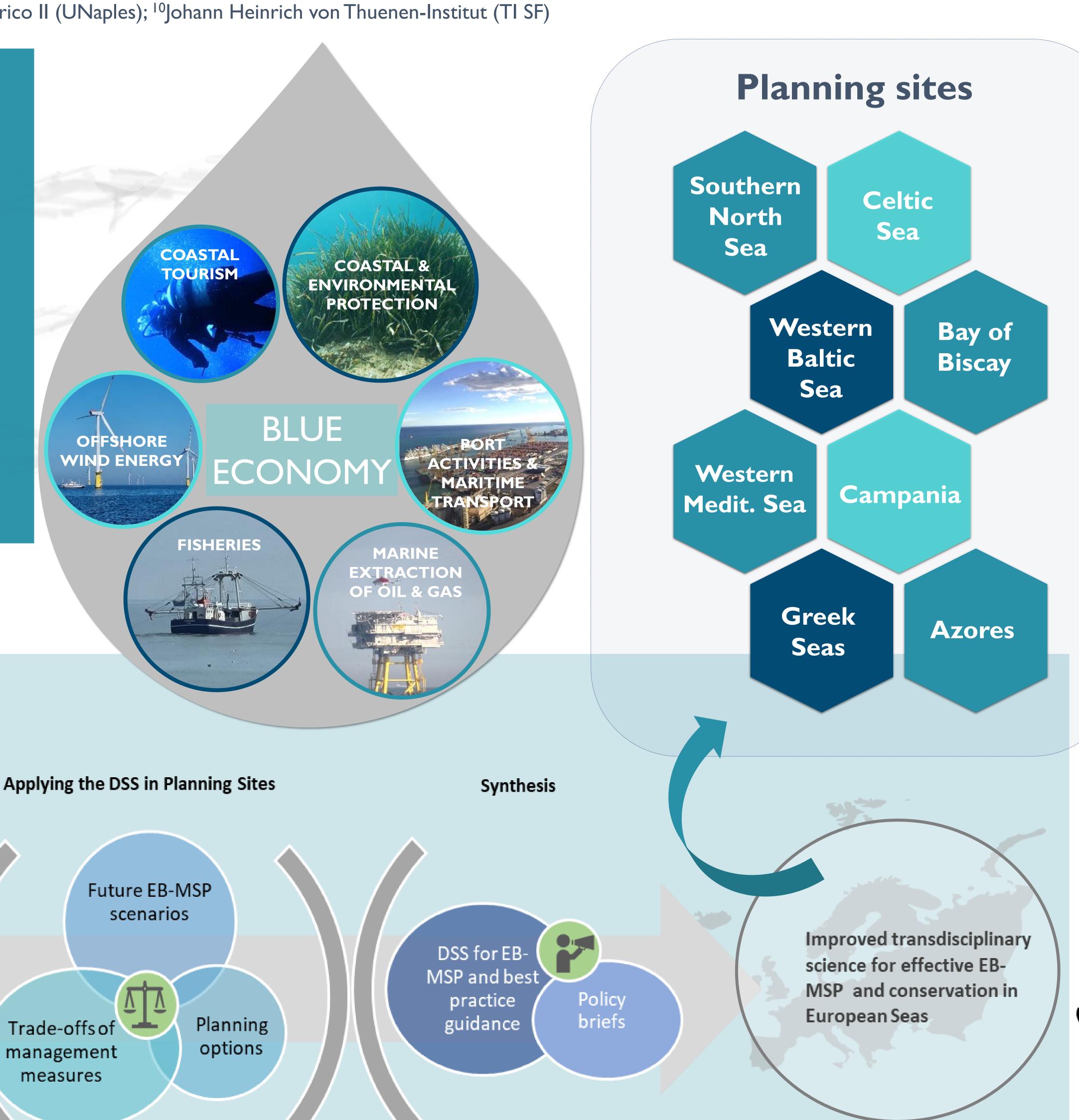
connectivity

metrics

EB- MSP

process

template



Outcomes will contribute to:

- Prioritisation of future protected areas, restoration areas, and science-based MSP
- Implementation of the EU Biodiversity Strategy for 2030 (2030 -30%-10% and Trans-European Nature Network) and the Convention on Biological Diversity post-2020 framework
- Improved science base for the description of Ecologically or Biologically Significant marine Areas (EBSA)

Contact: marineplan@thuenen.de



@MarinePlanEBMSP