



# BEEs

## The LifeWatch ERIC Biodiversity & Ecosystem eScience Conference

Seville  
22-24/05/23



Threats and challenges to biodiversity and ecosystem conservation from an eScience perspective



**UNIÓN EUROPEA**  
Fondo Europeo de Desarrollo Regional  
Una manera de hacer Europa



### The MARBEFES Project: MARine Biodiversity and Ecosystem Functioning leading to Ecosystem Services

Barbara Górska, Jan Marcin Węśławski



## MAIN PROJECT OBJECTIVES

- Increase awareness
- Develop a monitoring framework
- Facilitate stakeholder collaboration
- Optimise the deployment of resources
- Explore synergies with other EU Missions
- Accelerate the low-carbon and circular blue economy
- Create a transparent, long-term governance structure

# MARBEFES: MARine Biodiversity and Ecosystem Functioning leading to Ecosystem Services

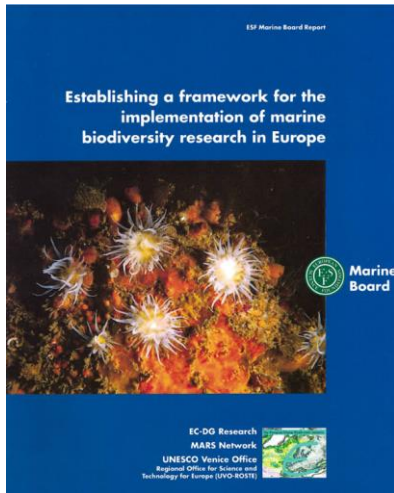
The aim is to check **how** the marine biodiversity **is linked** with goods and services provided by marine ecosystem.

- To determine the links between the biodiversity and functioning of coastal and marine ecosystems and the resulting ecosystem services and societal goods and benefits.
- To achieve ecological and socio-economic valuation through a validated set of innovative tools in a distributed toolbox to enhance policy and governance to secure benefits for current and future generation.
- To cover the causes and consequences of the maintenance, loss and gain of biodiversity and ecological and economic value and the repercussions of this for the management and governance of European seas.

# MARBEFES is a legacy of previous projects



**BIOMARE: Implementation and networking of large scale, long term MARine BIOdiversity research in Europe.**



Coordinators: Carlo Heip & Herman Hummel  
NIOO-CEMO, Yerseke, the Netherlands



MarBEF has adopted BIOMARE activities and integrated the information into the MarBEF data system.



BIOMARE follows an initiative from the European Network for Marine Research Stations MARS



A concerted action to establish the infrastructure and conditions required for marine biodiversity research at an European scale. Funded under the [Energy, Environment and Sustainable Development Programme](#) (Support to Infrastructures) of the European Union. Contract number: EVR1-CT2000-20902



BIOMARE contributes to the International Year of Biodiversity Observation 2001-2002



BIOMARE is selected for promotion through the [CORDIS Technology Marketplace](#), the European Commission's official information service

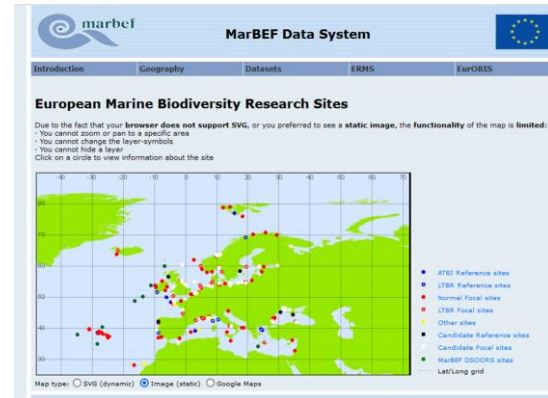
Website created by [EcoServer](#), now maintained and hosted by [YLLI](#)



## MARBENA

Creating a long term infrastructure for marine biodiversity research in the European Economic Area and the Newly Associated States.

CONTRACT N°: EVR1-CT-2002-40029





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### MARBEFES Beneficiaries

- INSTYTUT OCEANOLOGII POLSKIEJ AKADEMII NAUK (IO PAN), Poland, the Coordinator
- E-SCIENCE EUROPEAN INFRASTRUCTURE FOR BIODIVERSITY AND ECOSYSTEM RESEARCH (LW ERIC, Spain)
- AKVAPLAN NIVA AS (APN), Norway
- STICHTING HUMMEL FOUNDATION FOR SUSTAINABLE SOLUTIONS (HuFoSS, Netherlands)
- KLAIPEDOS UNIVERSITETAS (KU), Lithuania
- TARTU ULIKOOL (UTARTU), Estonia
- UNIVERSIDAD DE SALAMANCA (USAL), Spain
- CONSIGLIO NAZIONALE DELLE RICERCHE (CNR), Italy
- UNIVERSITY COLLEGE DUBLIN, NATIONAL UNIVERSITY OF IRELAND, DUBLIN (UCD), Ireland
- INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE PENTRU GEOLOGIE SI GEOECOLOGIE MARINA-GEOECOMAR (GEOECOMAR), Romania
- UNIVERSIDAD DE CANTABRIA (UC), Spain
- FUNDACION INSTITUTO DE HIDRAULICA AMBIENTAL DE CANTABRIA (FIHAC), Spain
- AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS M.P. (CSIC), Spain
- ALFRED-WEGENER-INSTITUT HELMHOLTZ-ZENTRUM FUR POLAR- UND MEERESFORSCHUNG (AWI), Germany
- UNIVERSITA DEGLI STUDI DI TRENTO (UNITN), Finland
- HELLENIC CENTRE FOR MARINE RESEARCH (HCMR), Greece
- VLAAMS INSTITUUT VOOR DE ZEE (VLIZ), Belgium
- NOVA BLUE ENVIRONMENT (NBE), France
- ASOCIACION BC3 BASQUE CENTRE FOR CLIMATE CHANGE – KLIMA ALDAKETA IKERGAI (BC3), Spain

### MARBEFES Associated Partners:

- THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS (CEFAS), United Kingdom
- UNIVERSITY OF EAST ANGLIA (UEA), United Kingdom
- INTERNATIONAL ESTUARINE & COASTAL SPECIALISTS LTD (IECS), United Kingdom

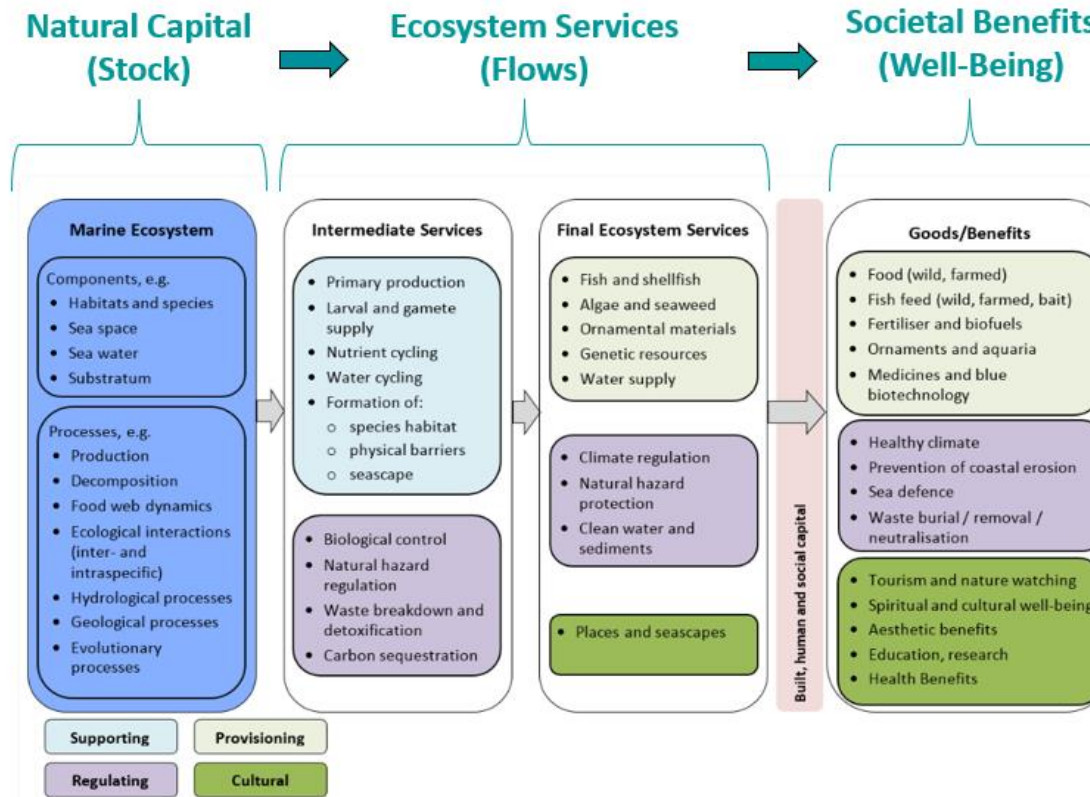
**Total budget: EUR 15,107,300, of which EUR 2,192,241 APs (UK)**  
**Duration: 48 months, from September 1, 2022**



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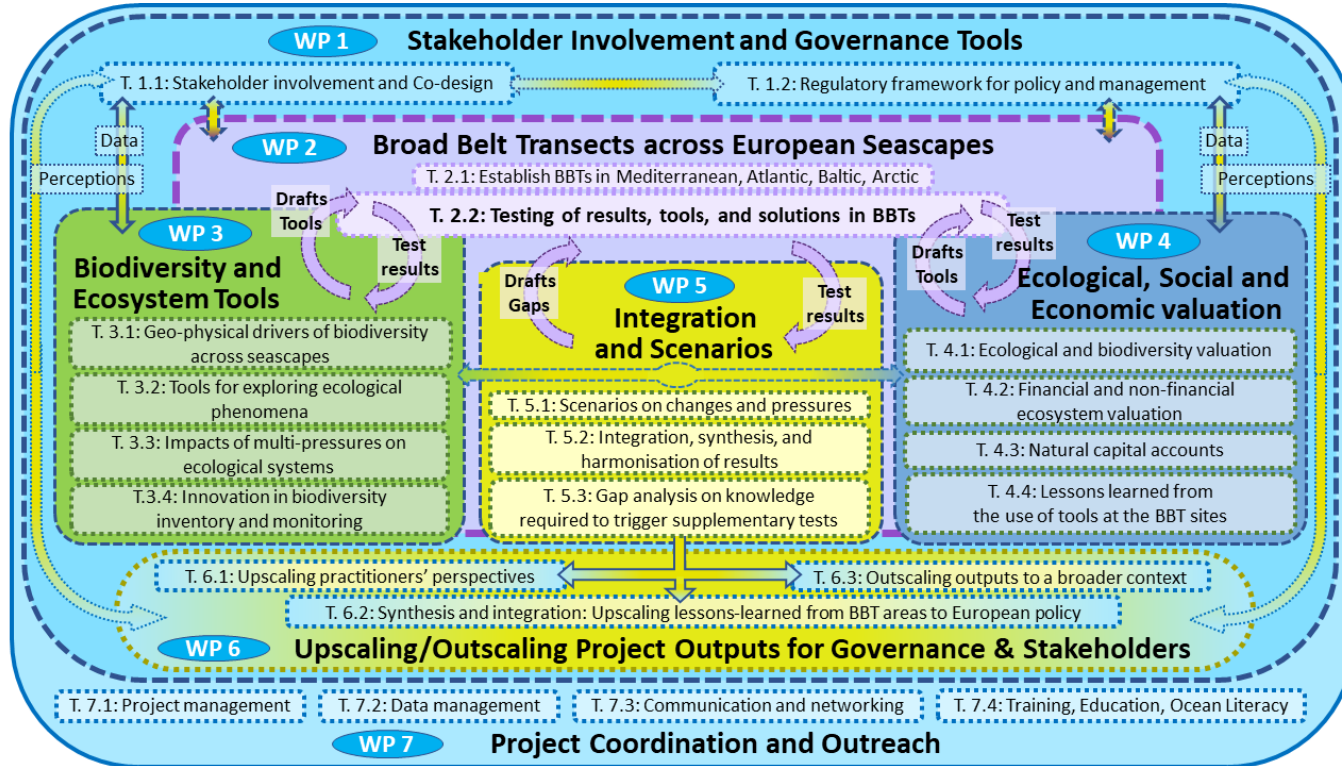
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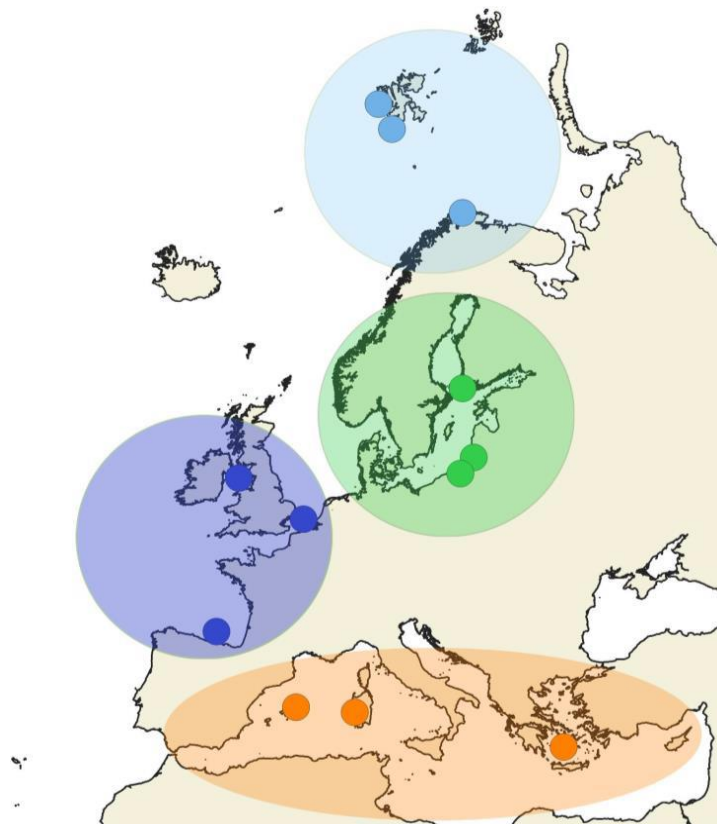




# How do we do it



Geographical coverage:  
12 Broad Belt Transects  
in 4 regions







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MARBEFES kick-off meeting in Sopot, Poland, 4 - 6th October 2022



TOMASZ JANKOWSKI



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Thank you! | [www.lifewatch.eu/bees-2023](http://www.lifewatch.eu/bees-2023)

