



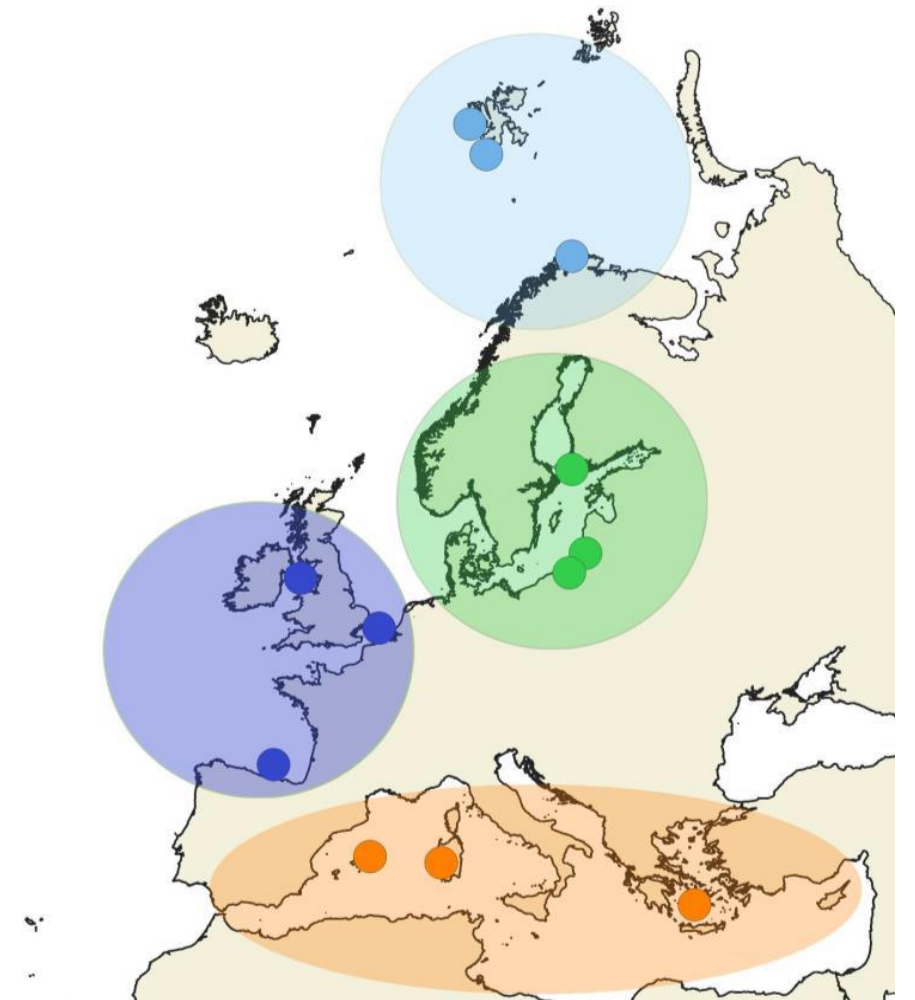
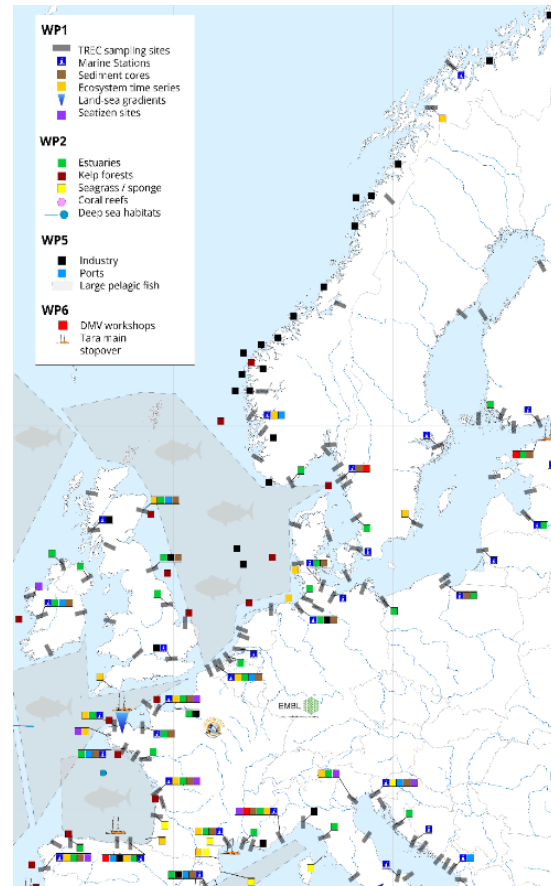
Coastal waters biodiversity, ecosystem goods and services

Jan Marcin Węsławski, Institute of Oceanology

weslaw@iopan.gda.pl

EU Horizon Projects MARBEFES, Biocean5D and Marine Sabres
2022-2025

Broad Belt Transects (Marbefes) and coastal stations (Biocean5D) plus islands biodiversity (Marine Sabres)



Key activities

Time scale – 20 years history – 2000 versus 2020

- - species count
- - primary productivity
- - fishery results
- - habitat change
- - basic physical parameters (PSU, Temperature, land discharge)

Assessment of biodiversity – molecular methods plus classical taxonomy, only taxa that are covered in all areas

Valuation in the field of socioeconomy, biological and socio-cultural

Bioblitz – building public awareness

Select a well known and accessible place (public park, coastal resort etc)

Ask as many biologists as you can get to collect and identify in 12 hours all organisms from the designated area

Let them show how the animals are identified

Publish lists of species and collect photos, place them on the web page



How to cooperate with Academia Sinica ?

- Create one spot on Taiwan marine waters, that can be observed in similar way and with similar methods as those in Europe

Large gradients in biodiversity are expected, the level of metazoa gamma diversity is

- Baltic – 500 species
- Arctic – 2500 species
- Atlantic – 12 000 species
- Mediterranean – 20 000 species
- Taiwan – over 30 000 species ?