

# BIODIVERSITY IN COASTAL ECOSYSTEMS

Day 1 - 11 October

🕒 11 and 12 October 2022 | 14:00 - 17:30

📍 DG DEFIS/EUSPA [online workshop](#)

14:00 Opening by **Mauro Facchini**, DG DEFIS

14:15 **Session 1**

## BIODIVERSITY AND COASTAL RESOURCES - SETTING THE SCENE

Chair: **Camino Liqueste**, DG JRC

This session is meant to describe the landscape in terms of biodiversity at stake, European and international policy development in a context of climate change but as well sustainable development goals, practices and needs at Member State level

- 1) BIODIVERSITY CONSERVATION, POLICY CONTEXT  
**Camino Liqueste** - Knowledge Centre on Biodiversity, DG JRC
- 2) SUSTAINABLE MANAGEMENT OF RESOURCES, POLICY CONTEXT  
**Andreea Magdalena Strachinescu Olteana**, DG MARE
- 3) MONITORING BIODIVERSITY, STATE OF PLAY IN MEMBER STATES  
**Joana Soares**, AIR Centre
- 4) COPERNICUS USER NEEDS  
**Andrea Taramelli**, IUSS Pavia, Copernicus User Forum
- 5) THE INTERNATIONAL DIMENSION, IPBES STATE OF PLAY  
**Isabel Sousa Pinto**, co-chair MBON - member IPBES

Q/A

15:45 **Coffee break with recorded pitches**

16:00 **Session 2**

## BIODIVERSITY VERSUS ECONOMIC DEVELOPMENT

Chair: **Zoi Konstantinou**, DG MARE

This session will showcase examples of research, development and best practices to develop blue economy or support territorial development, implement EU policies (CFP, MSPD, MSFD, etc.) along coasts while protecting and fostering biodiversity, based on the use of space technologies combined with science and digital intelligence

- 1) ALGAE POLLUTION MONITORING AND IMPACT ON THE FINNISH ECONOMY  
**Jenni Attila**, SYKE, FI
- 2) MARINE ECOLOGICAL FORECASTING TO SUPPORT THE SUSTAINABLE MANAGEMENT OF FISHERIES  
**Mark Payne**, Danish Meteorological Institute, DK
- 3) JELLYX: A MONITORING TOOL TO DETECT JELLYFISH SWARMS  
**Thomas Moranduzzo**, ColomboSky, IT
- 4) MARINE PROTECTED AREA ENVIRONMENTAL BULLETINS PRODUCED BY THE MARINE-ANALYST.EU DIGITAL PLATFORM  
**Pascal Derycke**, Sciensano, BE - **Laurent Dubroca**, IFREMER, FR
- 5) REAL-TIME ALERT SYSTEM OF MARINE MEGAFUNA ENDANGERED BY NEAR-COASTAL FISHING ACTIVITY  
**Bryan R. Vallejo**, University of Tartu, EE
- 6) COPERNICUS FOR WILDLIFE  
**Frederique Blanc**, CLS, FR

Discussion with survey results

17:30 **End day 1**



# BIODIVERSITY IN COASTAL ECOSYSTEMS

Day 2 - 12 October

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📍 DG DEFIS/EUSPA **online workshop**

14:00 Welcome and summary of highlights day 1  
**Fabienne Jacq**, DG DEFIS

14:10 **Session 3**

## BIODIVERSITY CONSERVATION IN A CONTEXT OF CLIMATE CHANGE

Chair: **Ivan Conesa** / **Eduardo Carqueijeiro**, European Commission - DG Research & Innovation

This session will showcase research, development and best practices in using Copernicus and earth observation to better understand, monitor and predict changes in biodiversity in a context of climate change, environmental pressures, conservation of natural heritage, at short to long term, in coastal areas

- 1) OBSERVATIONS NEEDED TO MANAGE COASTAL BIODIVERSITY AND ECOSYSTEMS  
**Sheila Heymans**, European Marine Board
- 2) MARCOSIO: THE WESTERN INDIAN OCEAN CORAL BLEACHING MONITORING SERVICE  
**Marie Smith**, CSIR, ZA
- 3) PRIORITIZING ESSENTIAL BIODIVERSITY VARIABLES FROM SATELLITE REMOTE SENSING PRODUCTS  
**Andrew K Skidmore**, **U. Twente**, NL
- 4) TOWARDS SATELLITE METRICS OF BIODIVERSITY IN THE COASTAL ENVIRONMENT  
**Victor Martinez Vicente**, PML, UK
- 5) MONITORING MEDITERRANEAN COASTAL WETLANDS USING EO-BASED TOOLS  
**Anis Guelmani**, Tour du Valat, FR
- 6) USE OF REMOTE SENSING FOR THE CONSERVATION OF ZOSTERA NOLTEI MEADOWS IN THE CANTABRIAN ESTUARIES  
**Maria Recio Espinosa**, IHCantabria, ES
- 7) CONSERVATION AND SUSTAINABLE USE OF LIBERIA'S COASTAL NATURAL CAPITAL  
**Elijah Whapoe**, Liberia Environmental Protection Agency, LI

Discussion with survey results

15:45 **Coffee break with recorded pitches**

16:00 **Session 4**

## A FUTURE GREEN COPERNICUS AT COAST

Chair: **Richard Gilmore**, DG DEFIS

This session will address the perspectives in terms of Copernicus evolution at short to long term, to better address biodiversity issues, conservation or sustainable management of live resources, both in terms of remote sensing technologies or Copernicus services evolution.

- 1) EARTH OBSERVATION SOLUTIONS FOR BIODIVERSITY MONITORING  
**Andrea Camia**, Knowledge Centre of Earth Observation, DG JRC
- 2) HOW EMODNET BIODIVERSITY ASSETS CAN CONTRIBUTE TO COASTAL ECOSYSTEMS PROTECTION  
**Joana Beja**, VLIZ, BE - **Helen Lillis**, JNCC, UK
- 3) CMEMS FUTURE PORTFOLIO  
**Pierre-Yves Le Traon**, Mercator-Ocean International, FR
- 4) LAND FUTURE PORTFOLIO  
**Usue Donezar**, European Environmental Agency - **Michael Cherlet**, DG JRC
- 5) C3S FUTURE PORTFOLIO  
**Samantha Burgess**, ECMWF, DE

Q/A

17:30 Wrap-up Conclusions:  
**Elisabeth Hamdouch**, European Commission, DG DEFIS

