



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



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Fondo Europeo de Desarrollo Regional
Una manera de hacer Europa



Juan J. Vergara, Daniel Martin & Mark J. Costello.
MBON Europe: Marine Biodiversity Monitoring for Europe.

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<https://euromarinenetwork.eu/activities/mbon-europe/>

Long-term working group (Euromarine). Coordinator. Mark J. Costello.



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Why?

As recognised by

- Convention on Biological Diversity
- United Nations Law of the Sea
- Group on Earth Observations (GEO > GEO BON > MBON)
- European Union Biodiversity Strategy
- Horizon Europe and BioDiversa calls for funding

Society needs time-series of data to detect trends in marine biodiversity to know

- the effects of climate change
- losses, recovery and restoration of marine life



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Why now?

1. There is no European scale coordination of marine biodiversity monitoring
2. We do not know what, where or when biodiversity is being monitored
 - despite decades of efforts under COST-Actions, EU funded projects (e.g., BioMARE, MarBEF, LIFE)
3. Urgency of need for data due to the crises of biodiversity loss and climate change



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Why Euromarine?

1. Established to provide continuity of networking in marine science after the end of short-term research projects
2. Is a legally constituted well-governed organisation
3. Has an established community and responsibility to improve scientific practices



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EuroMarine - a bottom-up approach to promote integrated and multidisciplinary methods to address global challenges in the marine environment



- 2004**

✓ Three FP6 Networks of Excellence and their follow-up structures: EUR-OCEANS, Marine Genomics Europe, and MarBEF
- 2011**

✓ New network designed by FP7 preparatory project
- 2014**

✓ Launch of the EuroMarine network as a self-financed organisation with 42 members from 19 Countries
- 2019**

✓ Launch of the EuroMarine Association, as a non-profit legal entity based in France
- 2023**

✓ Preparing for our 10 years' anniversary, 58 members from 22 countries





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Who we are

EuroMarine is a member-based, interdisciplinary, collaborative network of European marine organisations and research institutes.

Our members

EuroMarine currently have 49 Full Members and 8 Invited Members from 22 countries.

Our Mission

To support the identification and initial development of important emerging scientific topics or issues and associated methodologies in marine sciences, as well as to foster new services relevant to the marine scientific community.

What we do

As an interdisciplinary, international, collaborative network, EuroMarine plays a crucial role in creating and facilitating funding, training, networking and other opportunities for researchers and organisations working in marine research.



Composition



EuroMarine Membership (January 2023)



Full Members

Belgium



Croatia



Denmark



Finland



Poland



France



Germany



Greece



Ireland



Netherlands



Slovenia



Norway



Netherlands



UK



Portugal



Spain



Italy



France



Morocco



Peru



Spain



South Africa



Tunisia



Turkey



Snapshot of EuroMarine Funding and Activities (2014-2022)



5,000+

participants in EuroMarine Activities



EuroMarine Foresight Workshops (**68**)



EuroMarine Working Groups (**12**)



EuroMarine Individual Fellowship Programme (**122**)

150+

Institutions involved in EuroMarine activities



EuroMarine Long-Term Scientific Working Groups (**2**)



EuroMarine Summer Schools (**2**)



EuroMarine Events (**12**)

100+

EuroMarine funded activities



EuroMarine Capacity Building and Training (**1**)



EuroMarine Grants for ECRs collaborative research projects (**1**)



EuroMarine Contributions Conferences & Training (**17**)

€1,5M+

Invested in EuroMarine activities



What is new?

1. Organisations signing an MoU committing to
 - marine biodiversity monitoring,
 - collaborating to improve methods, and
 - Publish the data
2. Formation of a network of people and organisations doing the biodiversity monitoring with their own resources

Progress

Endorsed by MBON (GEO BON) as the European component of MBON globally

Interest

- in support from Lifewatch ERIC regarding data management
- Interest from EMODnet Biology which had a goal to launch a similar initiative

Applied to UNESCO IOC for recognition as an Action within the Ocean Decade

MoU signed by some Euromarine institutions. New membership enquiries.

Open to institutions outside Euromarine

MBON | Marine Biodiversity
Observation Network



MBON **EUROPE**

The Marine Biodiversity Observation Network for Europe (MBON Europe) will spearhead coordination of active monitoring of marine biodiversity by organisations in Europe.



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Next steps – late 2023-2024

1. Collate metadata on what monitoring of marine biodiversity is being done by EuroMarine members: where, when, what habitats and taxa?
2. See what additional monitoring of marine biodiversity is being done by others
3. What time-series are published?
4. Write paper synthesising above findings



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Thank you! | www.lifewatch.eu/bees-2023

