



EMODnet Open Conference  
14-16 June 2021

Online event

## Session Ocean Best Practices

EMODnet Biology and Ocean Best Practices

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# Standards & Best Practices



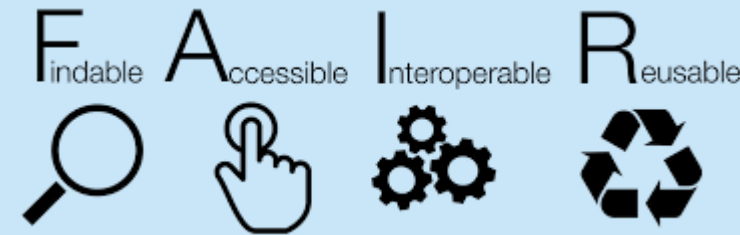
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Marineregions.org

towards a standard for georeferenced marine names



- Use Darwin Core data standard with the OBIS ENV extension
- Use of controlled vocabularies for:
  - Species through WoRMS ([www.marinespecies.org](http://www.marinespecies.org))
  - Places through Marine Regions ([www.marineregions.org](http://www.marineregions.org))
  - EMOFs through BODC ([www.bodc.ac.uk](http://www.bodc.ac.uk))
- Encourage use of PIDs
  - People (ORCID - <https://orcid.org/> )
  - Organisations (ROR - <https://ror.org/> )
  - Data/Information (DOI – <https://www.doi.org/> )
- Webservices follow Open Geospatial Consortium standards, all data/metadata are freely available
- Adherence to FAIR principles (both EMODnet and EurOBIS registered with FAIRsharing-> <https://fairsharing.org/FAIRsharing.pp1Jtx> and <https://fairsharing.org/biodbcore-001666/>)

## Contributing datasets to EMODnet Biology. OTGA Training Course EMODnetBiology\_2020.



1. Gain understanding of the EMODnet Biology project and how it interlinks with other European and international initiatives in the field of biodiversity knowledge; 2. Recognise the importance of sharing biological data, taking into account the FAIR principles; 3. Develop skills to correctly format biological data to EMODnet Biology and EuroBIS formats; 4. Gain knowledge on the required quality control steps and on the importance of interoperability;.....

Document Language  
en

Sustainable Development Goals (SDG)  
14.A

Maturity Level  
TRL 9 Actual system "mission proven" through successful mission operations (ground or space)

Best Practice Type  
Training and Educational Material

Citation  
OceanTeacher Global Academy (2020) Contributing datasets to EMODnet Biology. Training Course OTGA EMODnetBiology\_2020. Available: <https://classroom.oceanteacher.org/course/view.php?id=430>.

Document (104.1Kb)  
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# Supporting the essential - Recommendations for the development of accessible and interoperable marine biological data products

D. Lear<sup>a</sup>  , P. Herman<sup>b</sup>, G. Van Hoey<sup>c</sup>, L. Schepers<sup>d</sup>, N. Tonné<sup>e</sup>, M. Lipizer<sup>f</sup>, F.E. Muller-Karger<sup>g</sup>, W. Appeltans<sup>h</sup>, W.D. Kissling<sup>i</sup>, N. Holdsworth<sup>j</sup>, M. Edwards<sup>a</sup>, E. Pecceu<sup>c</sup>, H. Nygård<sup>k</sup>, G. Canonico<sup>l</sup>, S. Birchenough<sup>m</sup>, G. Graham<sup>a</sup>, K. Deneudt<sup>d</sup>, S. Claus<sup>d</sup>, P. Oset<sup>d</sup>

<https://doi.org/10.1016/j.marpol.2020.103958>





Copernicus  
Marine Service



EMODnet  
European Marine  
Observation and  
Data Network

# COPERNICUS MARINE & EMODNET DATA CATALOGUE FOR THE MARINE STRATEGY FRAMEWORK DIRECTIVE

## Baltic Sea Case study

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Date of release: **June 2021**

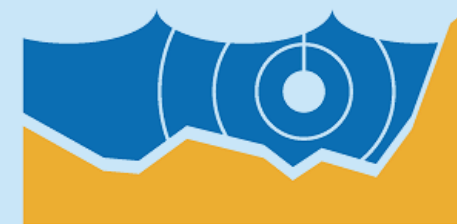


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# EMODnet

## BIOLOGY

+

## SEABED HABITATS

# Global Contribution



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*Hundreds of scientists from many countries ... indicate that the oceans' carrying capacity is near or at its limit. It is clear that urgent action on a global scale is needed to protect the world's oceans.'*

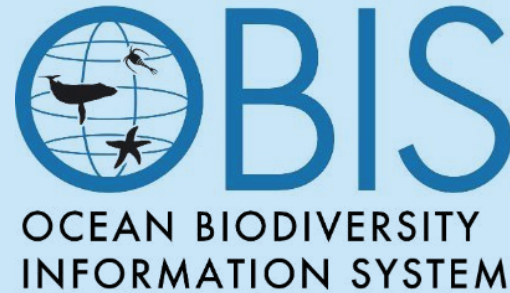
**BAN KI-MOON,**  
Former Secretary-General of the United Nations

# Future Development & Continual Improvement



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United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission



2021  
2030 United Nations Decade  
of Ocean Science  
for Sustainable Development



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[www.emodnet.ec.europa.eu](http://www.emodnet.ec.europa.eu)