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European Marine  
Observation and  
Data Network  
*Your gateway to marine data in Europe*


## EMODnet 9<sup>th</sup> Steering Committee

### Item 5: Assignment of DOI


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## The use of Digital Object Identifiers (DOI)



- ④ Presentation of Simona Simoncelli at the last EMODnet Steering Committee Meeting
- ④ Consultation of background documents like Mercier (2014)
- ④ Comparison between the current use of DOI by the thematic portals
- ④ Exploration of different alternatives

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## What is a DOI

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- ④ It is a persistent identifier or handle used to uniquely identify objects, standardized by the International Organization for Standardization (ISO)
- ④ **Each DOI name permanently and unambiguously identifies the object to which it is associated**
- ④ It also associates metadata with objects, allowing it to provide users with relevant pieces of information about the objects and their relationships
- ④ Included as part of this metadata are network actions that allow DOI names to be resolved to web locations where the objects they describe can be found
- ④ DOIs are in wide use mainly to identify academic, professional, and government information, such as journal articles, **research reports and data sets**, official publications and other types of information resources
- ④ A DOI aims to be "resolvable", usually to some form of access to the information object to which the DOI refers. This is achieved by binding the DOI to metadata about the object, such as a URL, indicating where the object can be found.
- ④ It is used to **locate, identify, and cite research data**

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## Why using DOIs?

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- ④ Increase data sharing stimulating data providers to unlock earlier their data
- ④ Increase data re-use, stimulating downstream applications (i.e. MPA connectivity)
- ④ Encourage the creation/population of web catalogues (ISO)
- ④ Stimulate/improve communication and dissemination activities
- ④ Improve the overall quality of science "products" through transparency (i.e. project reports, project results) and sharing
- ④ **Easier to give credit of EMODnet activities: EMODnet visibility increases**
- ④ **Provide statistics on the usage of the "object" → its impact**

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## The current situation

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- ④ Mediterranean Checkpoint: DOIs for Data Adequacy Reports and Literature Surveys, Targeted Products, Challenge Reports describing the Targeted Products...
- ④ EMODnet Bathymetry: DTM
- ④ Seabed Habitats: DOI for the Technical Report "EUSeaMap, A European broad-scale seabed habitat map"
- ④ Chemistry: DOIs assigned to all their products
- ④ Geology, Biology, Human Activities, Physics

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## The suggestion

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- ④ We explored several possibilities of setting up some kind of centralised system to assign DOIs, including activating a DOI registration service mEDRA, VLIZ through TU Delft....
- ④ There are data publishing repositories in Europe that propose free publication of research data with DOIs (Zenodo, Pangaea, Seanoë)
- ④ Otherwise, entities that want to implement a DOI attribution mechanism for its data holding through DataCite has first to subscribe a contract with the national representative, they get a prefix etc...

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