

Funded by  
the European Union



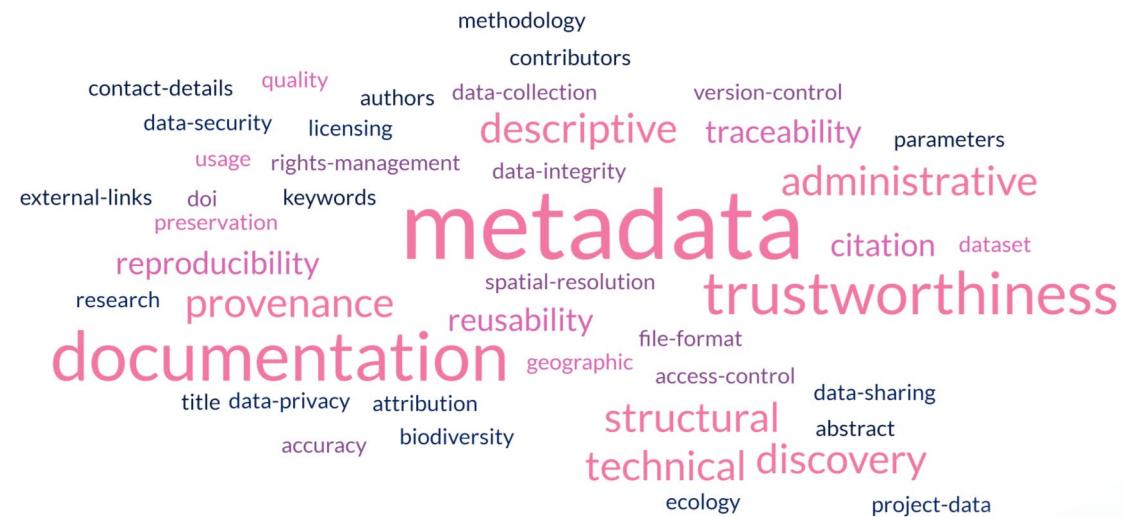
# DTO-BioFlow

Integration of biodiversity monitoring  
data into the Digital Twin Ocean

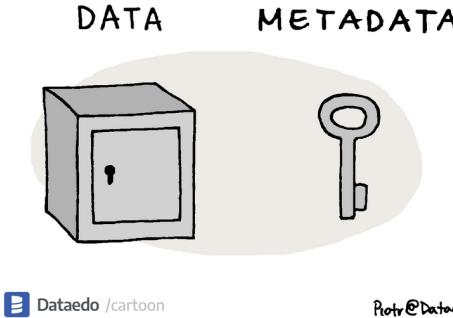
Metadata

# Concept

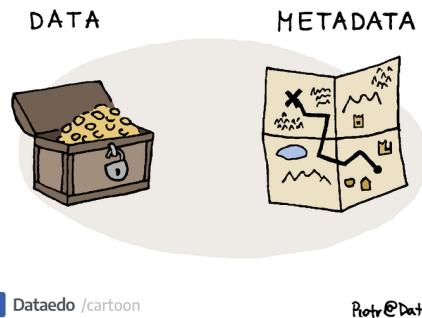
“Metadata serves as a roadmap to guide users to effectively and efficiently find, understand, use and manage data”



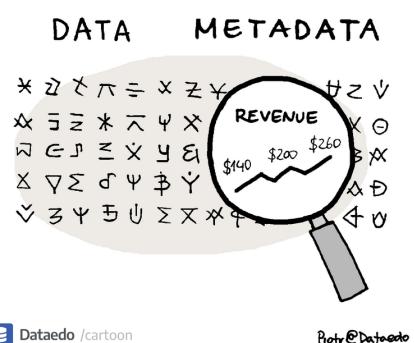
# Concept



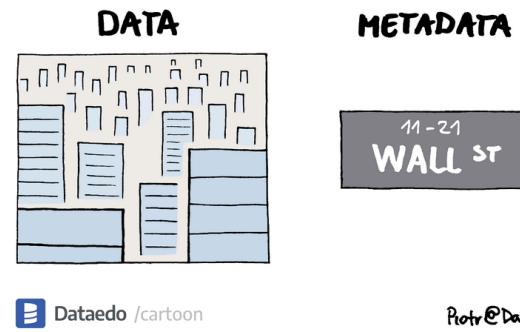
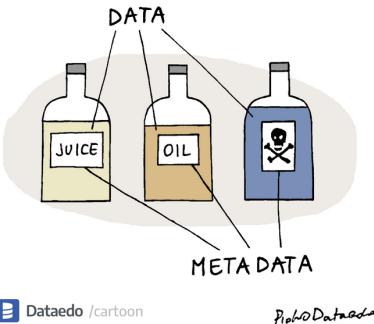
**Metadata is the key to data**



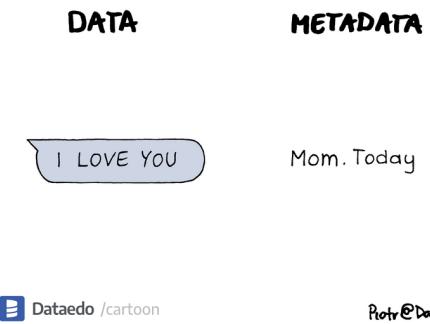
**Data is treasure, metadata is a map**



**Decoding information**



**How to get to the data?**



**A Matter of Life and Death**

**Context and Source matters**

# Metadata fields

## - Discovery

- Title
- Abstract
- Keywords
- Contributors
- External links
- Project data

## - Administrative

- Contact name
- Contact affiliation
- Contact email
- Citation
- License

## - Descriptive

- Taxonomic coverage
- Geographic coverage
- Temporal coverage
- Parameters measured
- Methodology



Integrated Publishing Toolkit (IPT)



# Metadata formats

**Arqueomonitor project: Abundance of the Bucentaure and Fougueux shipwrecks benthic communities, Cadiz Bay (Spain) 2012-2013**

[Create DOI](#)

## Citation

González Duarte, M. M.; Bethencourt Núñez, M.; (2019): Arqueomonitor project: Abundance of the Bucentaure and Fougueux shipwrecks benthic communities, Cadiz Bay (Spain) 2012-2013. <https://marineinfo.org/id/dataset/6251>

Contact: [Bethencourt Núñez, Manuel](#)

## Integrated Marine Information System (IMIS)



Availability: This dataset is licensed under a Creative Commons Attribution 4.0 International License.

## Special collections:

available through EurOBIS [619]

EMODNET [552]



# Metadata formats

## Ecological Metadata Language (EML)

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  xsi:schemaLocation="eml://ecoinformatics.org/eml-2.1.1 http://rs.gbif.org/schema/eml-gbif-profile/1.2/eml.xsd"
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    <creator>
      <individualName>
        <givenName>Manuel María</givenName>
        <surName>González Duarte</surName>
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      <organizationName>Universidad de Cádiz</organizationName>
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          <surName>Muñoz Mas</surName>
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            </associatedParty>
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              2024-02-27
            </pubDate>
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            </abstract>
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        </metadataProvider>
      </individualName>
    </creator>
  </dataset>
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```



Demo

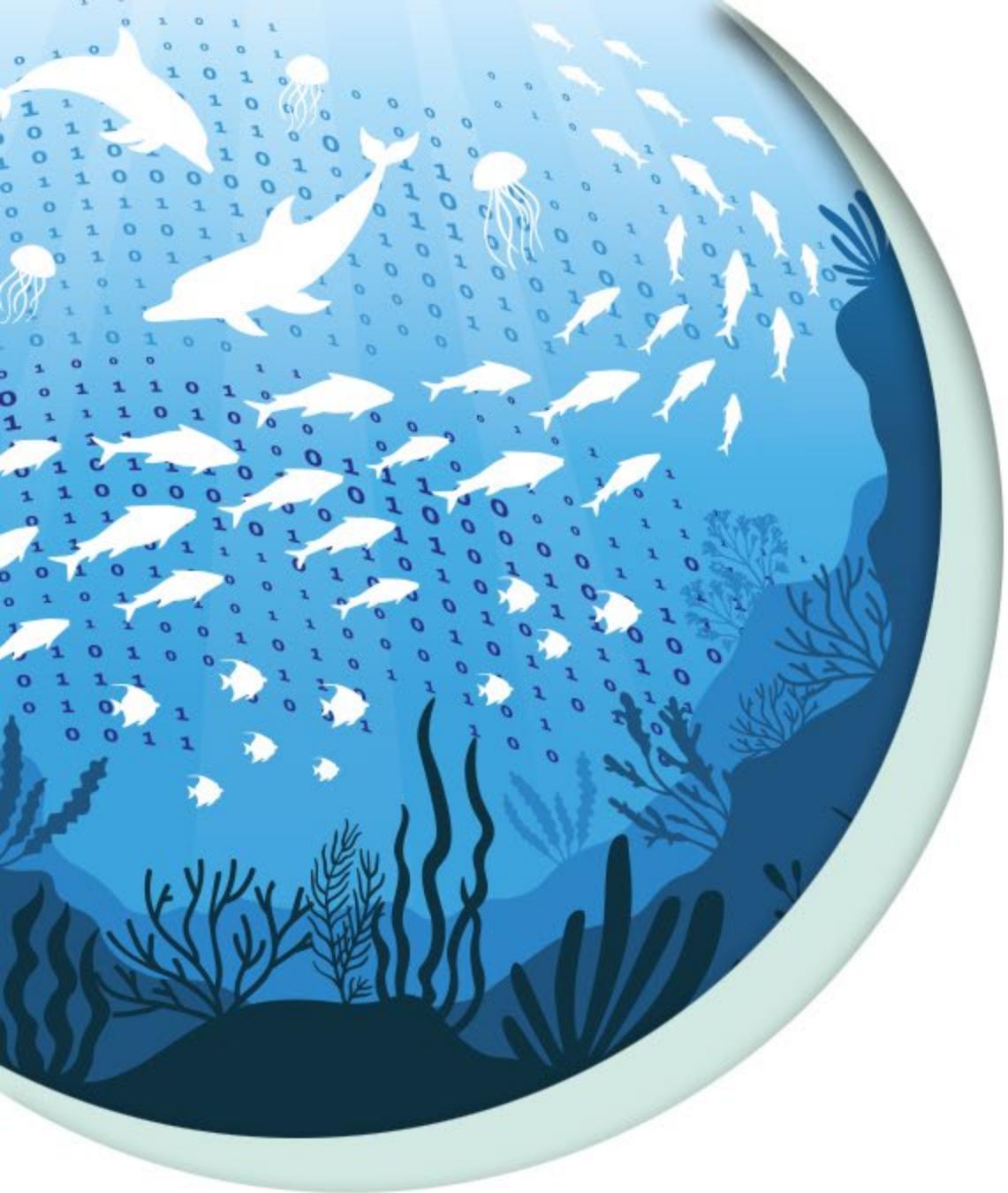


<https://www.eurobis.org/submit>



# Relevant sources

- ≡ [Ecological Metadata Language \(EML\) Specification](#)
  
- ≡ [EurOBIS \(meta\)data submission form](#)



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THANKS!