

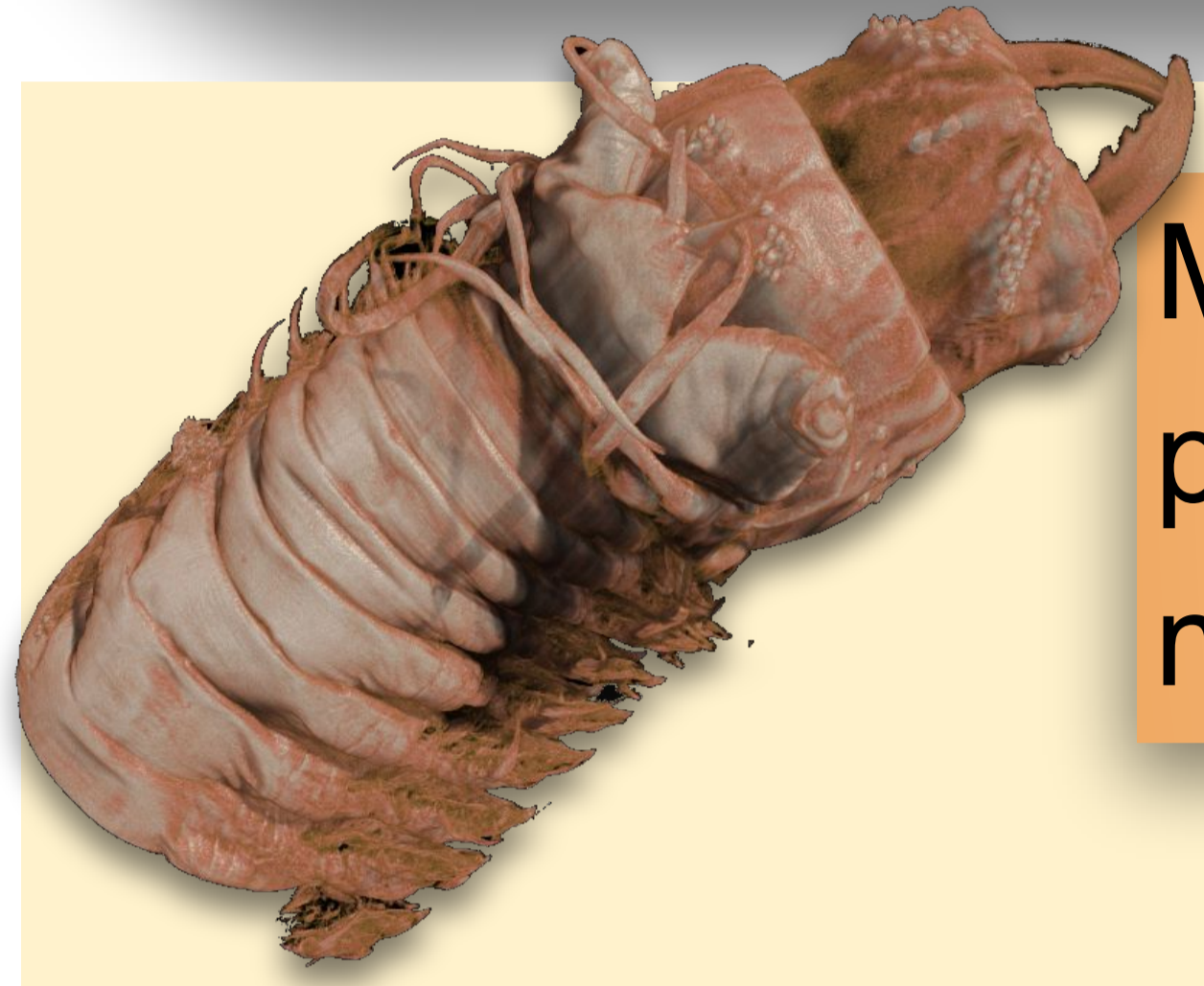
The case of MedOBIS Repository and MAPWORMS Project

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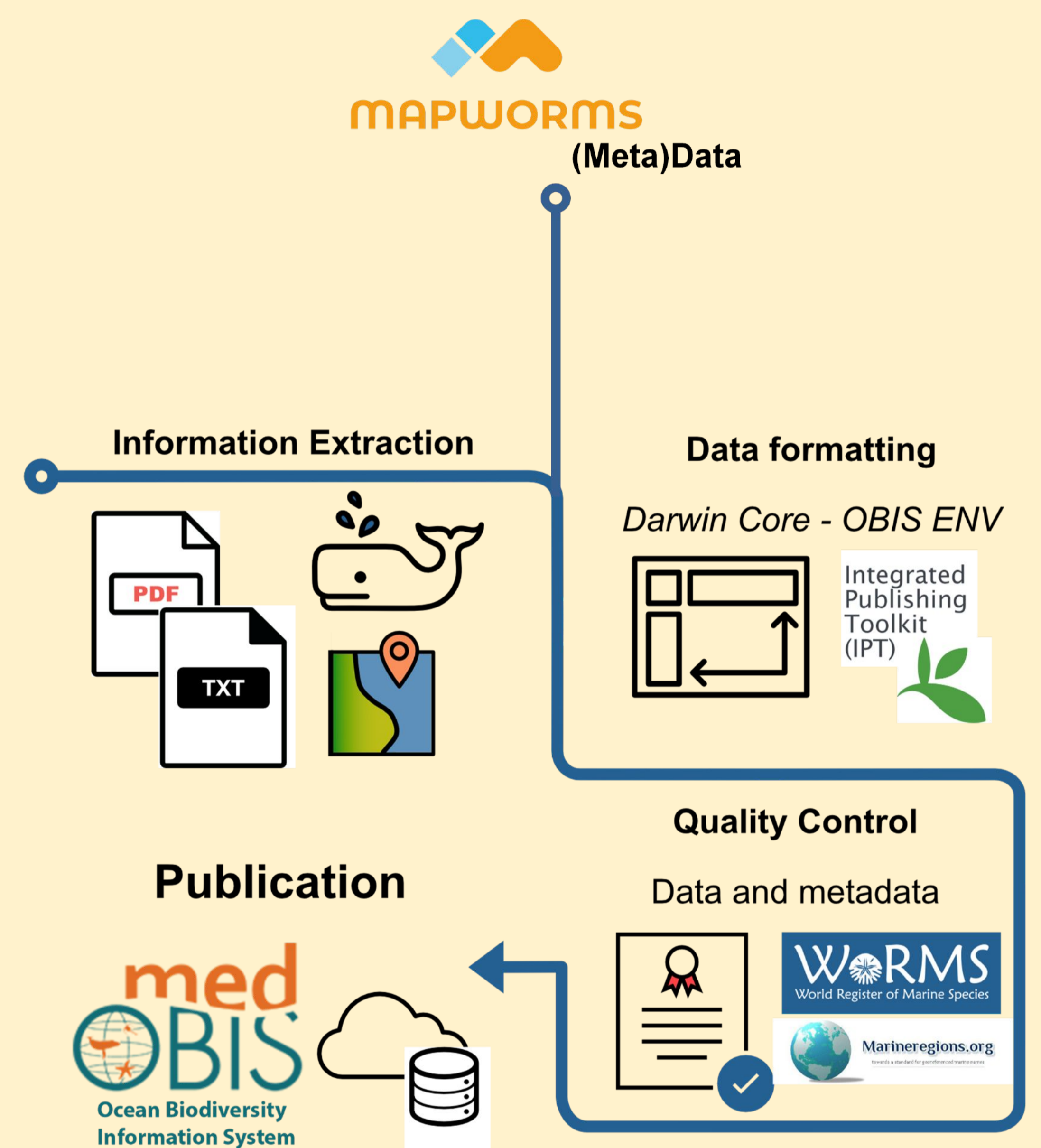
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The challenge: the need for trustworthy research repositories has become more and more evident in ocean science as the derived big and diverse data should live beyond each projects' lifecycle.



MAPWORMS is an ongoing challenging collaborative HORIZON-EIC research project, which aims at proposing robots that are inspired by simplified forms of marine Annelida, able to perform tasks in response to environmental stimuli.

MAPWORMS Data Management Plan identified and described four main data categories: a) biological, b) technical, c) patent and d) dissemination data. These (meta)data will be deposited in online and open access repositories. For distributional/ georeferenced data which belong to the biological data category, a metadata template will be accompanied every sampling event of Annelids, in order to collect as much information as possible.



Metadata Format for submitted datasets	
Dataset title (*) A descriptive title is necessary	
Dataset citation (*) Used to cite the dataset in future publications	
Persons involved (*) Define the persons involved and their specific role (indicate contact persons)	
Abstract	
Keywords	
Publications (*) Publications based on this dataset	
Usage/ licence (*) Specify if the dataset should be made available for public	
Release date (*) If left empty, dataset will immediately be available to the public, otherwise specify the date of release	
External links (*) Dataset already available elsewhere	

Geographic coverage (*) Specify the location	
Taxonomic coverage (*) Specify the main taxonomic group	
Funding and acknowledgments	
Equipment used	
Temporal coverage (*) First and last date of sampling	
Area sampled (*) (Area sampled by equipment)	
Number of stations	
Coordinates	
Number of Replicates (*) Per station/sample	
Habitat description	
Min/max depth	
Biomass present? specify measuring method	
Count present?	
Environ. variables present?	
Additional remarks	

MAPWORMS distributional/ georeferenced data will be uploaded to the MedOBIS repository which is the Mediterranean node of OBIS and acts as a Research Repository for both historical and modern scientific datasets, on which the principles of FAIR and Open data are applied.

The answer: as we live in the era of producing big and diverse data -which have exceeded the capacity of conventional practices and databases- we need to invest in FAIR Research Infrastructures, such as MedOBIS.