



EMODnet Jamboree
16-18 June 2021

Online event

Experiences from the perspective of an NODC:
On adopting standards and practices of
EMODnet, and thoughts on the future of
marine data sharing

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Why EMODnet?



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- Incorporating our data with reporting on directives – and gaining knowledge on how products are used in Directive-based assessments
- Developing networks with other EMODnet partners – providing hooks into new international projects
- Developing skills
- Allowed development of new added-value products
- Given access to user feedback on data which can be incorporated

Which EMODnet themes?



Seabed Habitats



Chemistry



Biology



Physics



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DATA INGESTION PORTAL

Wake up your data - set them free for Blue Society

Data preparation for EMODnet



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Seabed Habitats: *Detailed guidance notes on specific data preparation and INSPIRE metadata. Removal of topological errors (e.g. overlaps) is most time consuming part.*



Chemistry: *Mainly within our SeaDataNet processes – although some via ICES*



Biology: *New process for us in 2021. National IPT server host not set up to receive Darwin Core. E-mail submissions to DASSH and iterate QC/QA.*



Physics: *Not a direct contribution, however Galway Bay cable observatory; tide gauge and weather buoy data pulled from local Erddap data server*

Data preparation for EMODnet



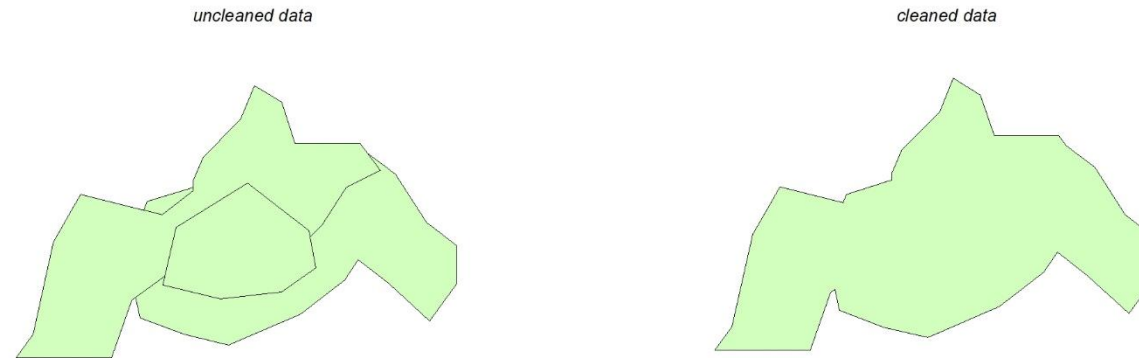
S

C

B

P

Common topological errors in habitat maps - overlapping polygons



GIS calculation of areal extent of reef = 133833 sqm

GIS calculation of areal extent of reef = 88914 sqm

Issue: The uncleaned data will overestimate the areal extent of a habitat (it will calculate the area of the 3 individual polygons and add them together) which will lead to incorrect figures if these data are used to quantitatively measure overlaps between the habitat and a potential development.

ration and
ors (e.g. overlaps)

some via ICES

set up to
iterate QC/QA.

servatory; tide

gauge and weather buoy data pulled from local ERA40 data server

An aside – users of Marine Institute originated data



Where does it end?



Thoughts on the future of marine data sharing



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PUSH



PULL



Thoughts on the future of marine data sharing





EMODnet



European Marine
Observation and
Data Network