

Interactive comment on “The ADRIREEF database: a comprehensive collection of natural/artificial reefs and wrecks in the Adriatic Sea” by Annalisa Minelli et al.

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General comments

The article presents an already available well-structured and relevant dataset of natural/artificial reefs and wrecks in the Adriatic Sea. The content of the dataset is presented with good detail and providing various different perspectives on possible reuse. The availability of a webGIS interface for visualizing and search the information based on several filters is also a valuable tool for both general users and stakeholders. As a general comments, the dataset refers to reefs and wrecks pertaining Italy and Croatia, while both in the title and in the rest of the article it is always referred to the Adriatic

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Sea. The fact that information related to Slovenia, Bosnia and Herzegovina, Montenegro and Albania is not included is somehow implicit, given that the project is an Interreg Italy-Croatia; but it should be explicitly mentioned somewhere at the beginning so that readers can clearly understand "Adriatic Sea" as "Italy+Croatia" in the context of the whole paper.

Specific comments

* Section 2.1 describes a literature and data review: it would be valuable to have these elements as a supplemental information to this paper

* In section 2.2.1, it would be useful to explain more clearly that the 4 questions have been used to categorize reefs in 4 groups and refer to table 2

* In table 2, it would seem more clear to have "Applicability" instead of "Applicability restriction" and simply list the type of elements where the information applies, e.g.: AR; NRs, ARs; ARs, wrecks; ...; all (or explicitly NRs, ARs, wrecks)

* In fig. 4, the fact that missing years are not represented is somehow misleading. I think a different representation would help to better communicate the deployment frequency to readers.

* In the section 6 Data availability (and in a few other places in the manuscript) it is mentioned that the database is available from EMODnet, and then referring to the SEANOE repository. From the documentation (<https://www.seanoe.org/html/about.htm>) I have understood that SEANOE duplicates records from its repository into the EMODnet Data Ingestion portal but it's not clear whether the specific dataset, described here, has been already included in any of the EMODnet portals/catalogues. Could you please clarify this and update the manuscript accordingly?

* In the webGIS interface (<https://adriareef.github.io/sandbox3/>) there seems to be no explicit way to download the filtered elements after a specific search. This could be a useful added functionality for users. In addition to that,

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it would be good to have an explicit reference in the webGIS interface both to the original dataset (<http://doi.org/10.17882/74880>) and the data paper (<https://essd.copernicus.org/preprints/essd-2020-384/>) to allow interested users to check sources, methods and references.

Technical corrections See attached document including comments and suggested corrections.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2020-384/essd-2020-384-RC2-supplement.pdf>

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-384>, 2020.

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