

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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Received and published: 9 March 2021

General comments:

We specified that the study regards the portion of the Adriatic Sea that is composed of Italian, Croatian and International waters in the introduction.

Specific comments:

Q1: Section 2.1 describes a literature and data review: it would be valuable to have these elements as a supplemental information to this paper A1: The bibliography functional to the dataset enrichment has been released contextually with the revised version

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of the data paper as supplemental material. All the consulted literature is also available for download with the data from SEANOE repository. More specifically the .xlsx version of the database has a tab called “Literature” reporting for each reef the consulted material (in a relation of “one to many”).

Q2: 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 A2: The four main groups of questions have been evidenced in section 2.2.1, as required.

Q3: 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) A3: The field “Applicability” in Table 2 has been changed accordingly to the suggestions of the reviewer.

Q4: 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. A4: Figure 4 has been corrected including periods where no ARs were deployed and no wrecks sunk, as demanded.

Q5: 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? A5: The database is currently undergoing the appropriate procedure to be published in the EMODnet catalogues, but it is still in Data Ingestion Portal. We corrected as requested in the appropriate sections.

Q6: In the webGIS interface (<https://adrireef.github.io/sandbox3/>) there seems to be no explicit way to download the filtered elements after a specific

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search. This could be a useful added functionality for users. In addition to that, 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. A6: The WebGIS has been conceived only as a viewer from the original purpose. For sure all the suggested modifications would be valuable for the users and we will consider implementing them. The references to data and the data paper have been added to the WebGIS interface.

Technical correction:

Corrections and suggestions indicated in the supplemental PDF have been incorporated in the revised version of the manuscript.

Please also note the supplement to this comment:

<https://essd.copernicus.org/preprints/essd-2020-384/essd-2020-384-AC2-supplement.pdf>

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

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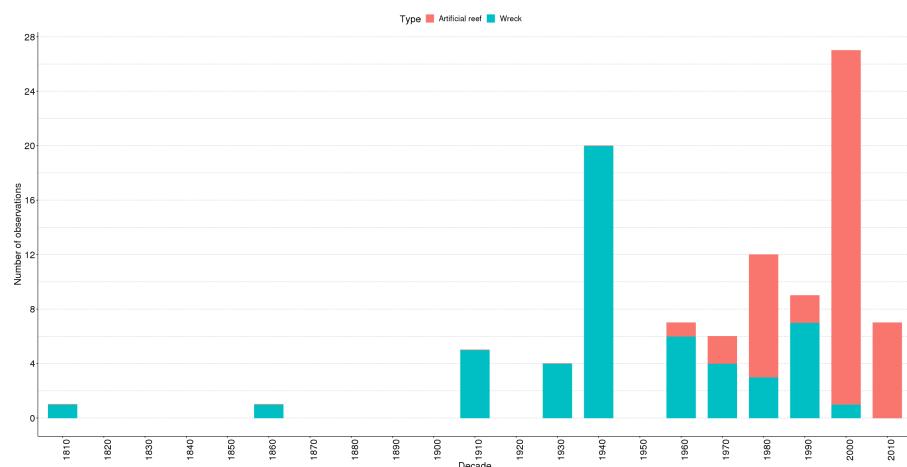


Fig. 1. Artificial reefs and wrecks by year of deployment at decadal scale.

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