Earth Syst. Sci. Data Discuss., referee comment RC1
https://doi.org/10.5194/essd-2020-308-RC1, 2021
© Author(s) 2021. This work is distributed under
the Creative Commons Attribution 4.0 License.

Comment on essd-2020-308

Giuseppe M.R. Manzella (Referee)

Referee comment on "Climate-Biogeochemistry Interactions in the Tropical Ocean: Data collection and legacy" by Gerd Krahmann et al., Earth Syst. Sci. Data Discuss., https://doi.org/10.5194/essd-2020-308-RC1, 2021

General comment

The authors have provided a list of campaigns conducted as part of a project conducted from 2008 to 2019. The data collected during these campaigns are certainly useful for understanding many aspects related to climate-biogeochemical interactions. The data is accessible and available to every user, according to the FAIR concepts that animate the scientific community today.

The description of the sampling and quality control methodologies is well done. The presentation is therefore complete and satisfying.

Specific Comment

The authors assert that the final publication of the data in PANGEA was made after 3 years to allow the analysis of the data to the members of the work team. In addition, some data sets have been published in specialized databases. Campaign information can be found in other metadatabases. For example, the ATA_IFMGEOMAR campaign can also be found in

https://campagnes.flotteoceanographique.fr/campaign

BRANDT Peter (2008) GEOMAR4 cruise, RV L'Atalante, https://doi.org/10.17600/8010030

Is submitting a list of datasets within ESSD's publication policy? In an article devoted to data, some of which are certainly published in articles, I would expect answers to questions such as:

- What was the original purpose of the data collection?
- What were the applied quality assurance / quality control protocols?
- How were the data originally used?
- Have the data been reused?
- How has the data been assessed for fitness of use?

The first two questions have excellent answers in the article, but the others are absent. Furthermore, in an ambition project such as the one presented by the authors, I would have expected indications on the analysis of multidisciplinary data. The article seems to me essentially a technical report.