

## ***Interactive comment on “The CMEMS GlobColour Chlorophyll-a Product Based on Satellite Observation” by Philippe Garnesson et al.***

**Emmanuel Boss (Referee)**

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Reviewer: Emmanuel Boss, University of Maine This paper describes the chlorophyll products based on Satellite Observation and disseminated in the frame of the Copernicus Marine Environmental Monitoring Service (CMEMS). Different strategies for merging remote sensing data are presented (e.g. merging radiance vs. merging the products) and the choice of using a merged product approach is justified.

While I see the benefit in publishing this paper, in its current form, it reads like a report to a funding agency rather than a scientific paper. In addition, this paper can benefit a lot from being read by a native English speaker (I am not).

For example, I would have expected that the comparison between products will also

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involve the statistics of distributions of values of chlorophyll (histograms) as done when such algorithms are published (both globally and regionally). Statements are made in the conclusion sections that are not justified by results. Figures look like they were taken out of a report or a powerpoint presentation rather than high quality publication type figures (with cryptic titles, which is not the norm in papers, lines that don't show as in Fig. 4). Some results are provided in an external private website (<http://hermes.acri.fr/index.php?class=animation>). If they are to be considered they should be in the public domain.

I am returning an annotated PDF with many detailed comments.

Please also note the supplement to this comment:

<https://www.ocean-sci-discuss.net/os-2018-155/os-2018-155-RC2-supplement.pdf>

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2018-155>, 2019.

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