

Dear Editors,

Thank you very much for your careful proof-editing and helpful comments.

We have revised the manuscript accordingly and addressed all points raised.

Redundancies and repetitions in the text have been removed, and the reference list has been thoroughly reviewed and corrected, including all DOIs and links.

Please find our line-by-line responses below this letter (in blue).

We appreciate your support and look forward to the next steps in the publication process.

Best regards,

Joanna Staneva

The manuscript is of excellent quality and does only need a few updates to be ready for publication:

Thank you.

Some repetition in the introduction, in line 38-42 and 56-61. Please rephrase/consolidate or remove.

Text has been revised, and repeating phrases have been removed. Thank you.

Line 274. The given link is no longer safe to access (no https) and has been archived. An alternative link could be used if useful: <https://forge.nemo-ocean.eu/nemo>. Please check.

The link has been updated in references. In the main text correct reference has been provided.

Some repetition in line 303-306 compared to line 307-315. Please rephrase/consolidate or remove

Redundant text has been removed. Thank you

The references list requires some checks and revisions:

Thank you for the thoughtful review. The references have been carefully checked, and all links and DOIs have been verified and corrected.

Line 496 please add full link: <https://doi.org/10.1029/CO004p0001>

Full link has been added. Thank you.

Line 501 link not working (replace hyphens with forward slashes)

Done.

Line 502 link not working (last part: "<425::AID-FLD847>3.0.CO;2-D" is not part of link)

Done.

Line 505 link not working (remove two dots at the end link)

Done.

Line 510 link not working (remove dot at the end of link)

Done.

Line 513 please add full link: <https://doi.org/10.3389/fmars.2023.1105626>

Done.

Line 515/516 link given is not complete, please update

Done.

Line 522 link not working (remove dot at the end of link).

Done.

Line 524 link not working (remove dot at the end of link).

Done.

Line 530 link not correct, please check

Link corrected.

Line 535 please update paper title/compare link

Paper title has been updated. Paper link updated.

Line 539 link not working (remove dot at the end of link).

Done.

Line 541 link not working (remove dot at the end of link).

Done.

Line 543 doi not working, please use

<https://cordis.europa.eu/project/id/101133911/results>

The link has been added. In addition the DOI has been updated

Line 547 link not working (remove dot at the end of link).

Done.

Line 552 link not working (remove dot at the end of link).

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Line 555 link not working (remove dot at the end of link).

Done.

Line 557 link not working (remove dot at the end of link).

Done.

Line 560 link not working (remove comma at the end of link).

Done.

Line 567/568 - doi incorrect, cannot locate the paper

DOI link has been corrected. Thank you.

Line 571 link not working (remove dot at the end of link).

Done.

Line 576 link not working (remove dot at the end of link).

Done.

Line 578 link not working (remove dot at the end of link).

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Line 583 link not working (remove dot at the end of link).

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Line 587 link not working (remove dot at the end of link).

Done.

Line 593 link not working (remove dot at the end of link).

Done.

Line 594 link not working, please update to: <https://sp.copernicus.org/preprints/sp-2024-9/>

The correct link has been updated.

Line 598 link not working (remove dot at the end of link).

Done.

Line 605 link not working (remove dot at the end of link).

Done.

Line 610 link not working (remove dot at the end of link).

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Line 612 link not working (remove dot at the end of link).

Done.

Line 614 link not working (remove dot at the end of link).

Done.

Line 616: please update paper title and current doi with:
<https://a.tellusjournals.se/articles/10.3402/tellusa.v66.21640>

Link updated. Thank you.

Line 618 link not working (remove dot at the end of link).

Done.

Line 625 link not working (remove dot at the end of link).

Done.

Line 627 link not working (remove dot at the end of link).

Done.

Line 633 link not working (remove dot at the end of link).

Done.

Line 635 link not working (remove dot at the end of link).

Done.

Line 638 please use link: <https://doi.org/10.1016/j.csr.2021.104582>

Link has been updated. Thank you.

Line 641 link not working (remove dot at the end of link).

Done.

Line 651 link not working (remove comma at the end of link).

Done.

Line 653 please add break to position next publication correctly. Link address <https://doi.org/10.1016/j.ocemod.2013.04.010> can be used here.

Done.

Line 654 Link not working as "marine-122414-033913" missing from link address.

Done.

Line 661 link not working (remove dot at the end of link).

Done.

Line 664 link not working (remove dot at the end of link).

Done.

Line 668 link not working (remove dot at the end of link).

Done.

Line 670 link not working (remove dot at the end of link).

Done.

Line 675 link not working (remove dot at the end of link).

Done.

Line 697/680 couldn't verify doi number. Please check.

DOI has been updated. Thank you

Line 685 link not working (remove comma at the end of link).

Done.

Line 688 link not working (remove dot at the end of link).

Done.

Line 690 link not working (remove dot at the end of link).

Done.

Line 692 link not working (remove dot at the end of link).

Done.

Line 695 link not working (remove dot at the end of link).

Done.

Line 704 please replace doi with link: <https://doi.org/10.3389/fmars.2021.644525>

DOI has been replaced with the link. Thank you.

Line 710 link not working (remove dot at the end of link).

Done.

Line 721 link not working (remove dot at the end of link).

Done.

Line 724 link not working (remove dot at the end of link).

Done.

Line 727 link not working (remove dot at the end of link).

Done.

Line 733 link not working (remove dot at the end of link).

Done.

Line 735 option to add full link: <https://doi.org/10.1175/BAMS-D-19-0155.1>

Full link has been used. Thank you!

Line 737 link not working (remove dot at the end of link).

Done.

Line 739 link not working (remove dot at the end of link).

Done.

Line 741 link not working (remove dot at the end of link).

Done.