

***Interactive comment on “What are the prospects for seasonal prediction of the marine environment of the Northwest European shelf?” by Jonathan Tinker et al.***

**Jonathan Tinker et al.**

[jonathan.tinker@metoffice.gov.uk](mailto:jonathan.tinker@metoffice.gov.uk)

Received and published: 26 March 2018

Dear all,

We believe that a revised paper can address the reviewers' concerns. In particular:

We will make it clearer that Section 3.1 demonstrates the impact of known deficiencies in global seasonal forecast systems for shelf seas predictions. While we agree with the reviewer that this will come as no surprise to experienced shelf seas scientists, the point may be less well recognised in the global modelling community. In any case we provide an explicit demonstration of the extent of this limitation in a state of the art

C1

global seasonal forecast system. [Reviewer 1]

We will strengthen the discussion of physical mechanisms for some of the empirical relationships shown (we removed some material on this from our original submission in the interests of brevity) [Reviewer 1]

We will include evaluation of the reanalysis against further observed timeseries, as suggested by Reviewer 2.

Kind Regards

Jonathan Tinker et al.

---

Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2018-1>, 2018.

C2