

***Interactive comment on “Assessment of a physical-biogeochemical coupled model system for operational service in the Baltic Sea” by Z. Wan et al.***

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Thank you for the additional material regarding remote sensing; in my opinion, at least the seasonal maps of satellite data vs model results are interesting to appear in the paper, even if the correlation of satellite chlorophyll with the sampled chlorophyll at some few stations is not so good: global maps bring information on spatial patterns unavailable from scarce stations.

As far as the non-simulated anoxia in the deeper areas is concerned, I don't understand why the model does not gradually erode the initial nitrate stock corresponding to fully oxic condition: denitrification should be triggered as soon as the initial oxygen content

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of the bottom water has been consumed by mineralisation of falling detrital matter after the first bloom...

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Interactive comment on Ocean Sci. Discuss., 9, 835, 2012.

**OSD**

9, C316–C317, 2012

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