

## ***Interactive comment on “Contribution of shipping NO<sub>x</sub> emissions to the marine nitrogen budget of the western Baltic Sea – A case study” by D. Neumann et al.***

**D. Neumann et al.**

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### **Response to the comments of Reviewer #2**

We thank the reviewer for the constructive comments on the manuscript. The reviewer's comments are written in **bold font**. The authors' replies start with a ">" and are written in normal font.

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#### **1 General comments**

**The manuscript attempts to answer a relevant ocean research question, which is very clearly stated in the title.**

**The manuscript reads in a clear, concise, and well-structured way. The scientific approach is transparent and the methods and results are presented in an appropriate way.**

**However, the manuscript is lacking in the discussion and conclusions sections.**

> see below our reply to **Specific comments**

#### **2 Specific comments**

**The summarizing discussion section mainly consists of a summary of the results and very little actual discussion and the results are not set in context to relative literature.**

**The conclusions section partly consists of discussion and recommendations for further studies. It is not very clear what the conclusions are, except “... , the shipping sector might relevantly contribute to eutrophication at specific locations in the wester Baltic Sea in summer.”**

**It seems too unsubstantial for the work that has been done and needs to be improved.**

> A new “*Discussion*” section has been added, in which we discuss relevant aspects. The “*Summarizing Discussion*” section has been integrated into this new section and

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has been modified. Some paragraphs of the conclusions have been replaced by new ones.

### **3 Technical corrections**

**Page 2, Line 33: I think it should be ‘*where*’ instead of ‘*with*’.**

> replaced as suggested

**Page 3, Line 79: Remove ‘*But*’ at the start of the sentence.**

> removed as suggested

**Page 16, Line 288: Consider rephrasing “... *stations distant to the coast* ...”.**

> replced by “*stations in the center of the basins*”

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2019-78>, 2019.