Mainz, 26 May 2023

Dear Editor,

many thanks for the positive evaluation of our manuscript.

Concerning the raised minor issues:

1) Please provide a publicly available DOI link to your data in the main text (no any restrictions, easy for everyone to access directly).

We have published the dataset at World Data Centre for Climate (WDCC) under https://doi.org/10.26050/WDCC/No_xPointEmissionsV2. The data can be accessed by everyone without restriction; however, we are aware that users need to register first at WDCC.

Since we provide an update to a previous version of the catalog, we decided to provide the data for v2 at the same repository as v1 (https://doi.org/10.26050/WDCC/Quant_NOx_TROPOMI). This reference was accepted in the previous ESSD paper at that time (https://essd.copernicus.org/articles/13/2995/2021/). Thus, we just assumed that WDCC is a data repository accepted by ESSD.

We have checked the current criteria that ESSD defines for accepted repositories and found that "**Open access**: the data sets have to be available free of charge and without any barriers.". So we conclude that the mandatory registration process demanded by WDCC is considered as "barrier" (or "restriction"). However, we have no impact on WDCC's publication policy.

So we do not know how to proceed now: the catalog is already published at WDCC with a valid doi. Is there any possibility to proceed with this link for now, as in the previous paper? Please note that the catalog itself, which is a rather small dataset, is also provided in the ESSD Supplement.

If this is not possible at all, we would have to discuss with WDCC how to proceed and have to find an alternative repository.

2) Your reference list includes works "in review". Such works can be cited upon submission if being available to the reviewers. They should not be cited in the final, accepted manuscript, unless published, accepted for publication, or available as preprint with a DOI.

We have updated the publication list accordingly.

Kind regards,

Steffen Beirle