

Interactive  
Comment

## ***Interactive comment on “Greenhouse gas emissions (CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O) from perialpine and alpine hydropower reservoirs” by T. Diem et al.***

**Anonymous Referee #5**

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The three reviewers who have already commented have identified many points in need of attention. Several points worth highlighting are as follows: 1. The many figures which are just vertical profiles should be reduced and the information condensed. 2. The calculation of degassing below the dams need to be fully explained. Were not down-river measurements also made? 3. The bubble fluxes are surely underestimated as they are quite undersampled. 4. The number of visits to the reservoirs are rather low in most cases. 5. The conclusion that the sediments are not a source of methane is quite surprising and requires further examination. 6. The English, while clear, can be improved in style.

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