



Supplement of

Drivers of the spatiotemporal distribution of dissolved nitrous oxide and air–sea exchange in a coastal Mediterranean area

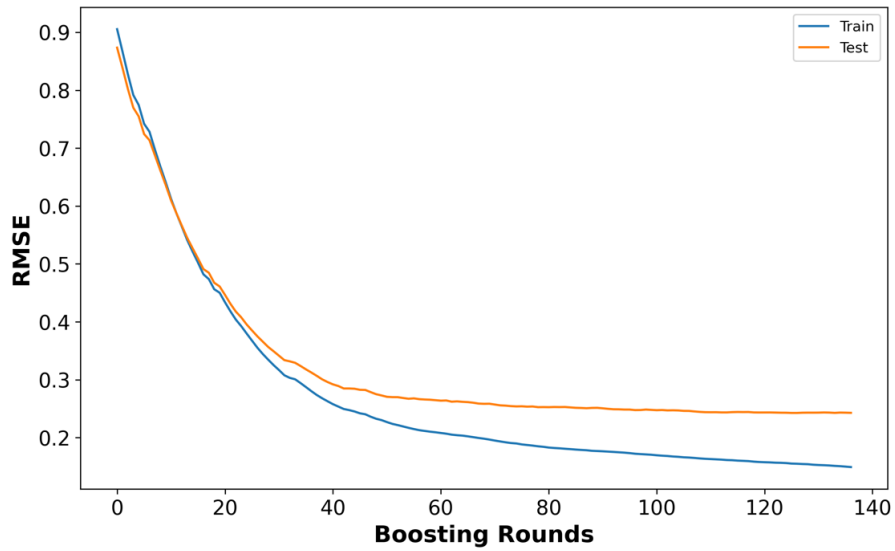
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1 **SUPPLEMENT**

2 **Figure S1:** Training process monitoring RMSE for both training and validation sets.



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Figure S2: Relationship of N₂O and main environmental parameters A) Temperature (°C), B) Chlorophyll a (Chl *a*: µg L⁻¹) and C) salinity (PSU) based on the generalized additive models applied. The black dots represent residual concentrations in nmol L⁻¹. The inward tick marks on the horizontal axes show data distributions. The model R² was 0.96 in the training set and explained 96 % of the response variable. *P*-values for the terms in the model are <0.005 for Temperature and Chl *a* and 0.1390 for salinity.

