

Supporting Information. Quantifying the impact of habitat modifications on species behavior and mortality: A case study of tropical tuna. Amaël Dupaix, Laurent Dagorn, Jean-Louis Deneubourg, & Manuela Capello. Ecological Applications.

Appendix S3: Prediction maps of \overline{CAT}_{diff} , \overline{CAT}_{return} and R

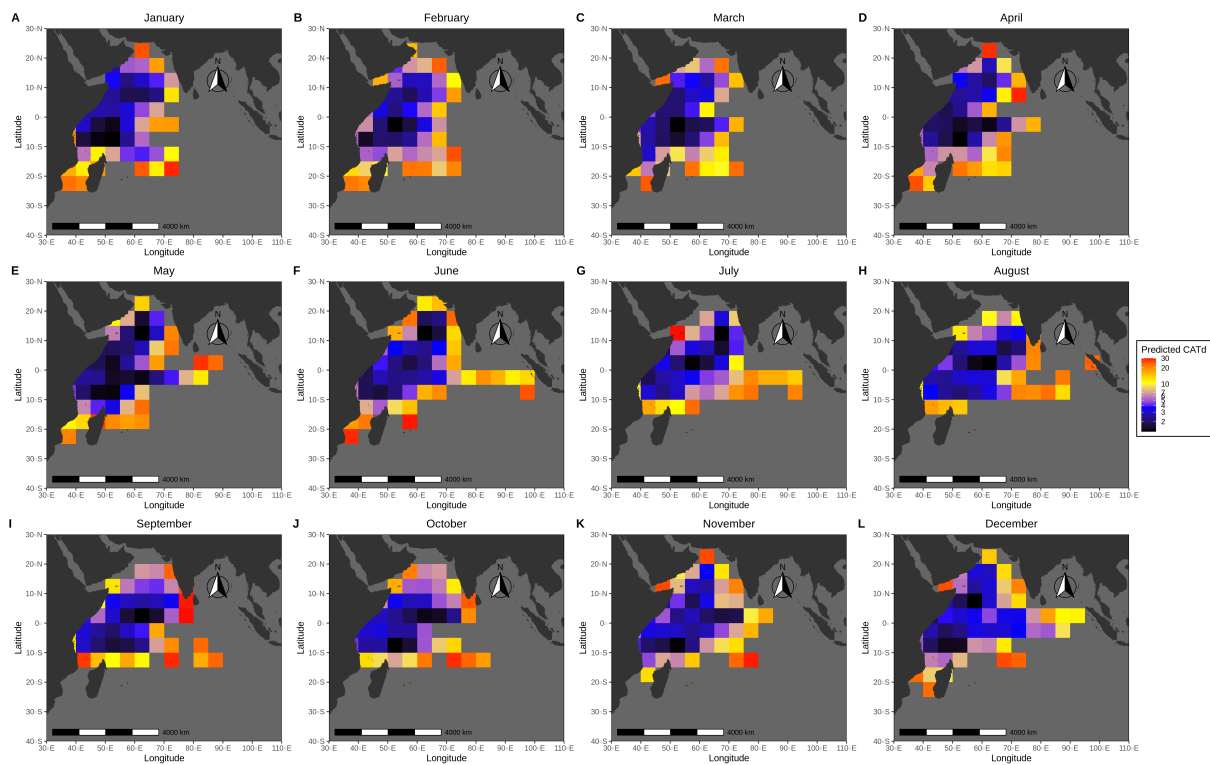


Figure S1. Predicted monthly mean \overline{CAT}_{diff} of individual YFT (in days) per 5° cells in the western Indian Ocean in 2020. The color scale is log transformed. \overline{CAT}_{diff} longer than 30 days, out of the main fishing grounds, were not represented.

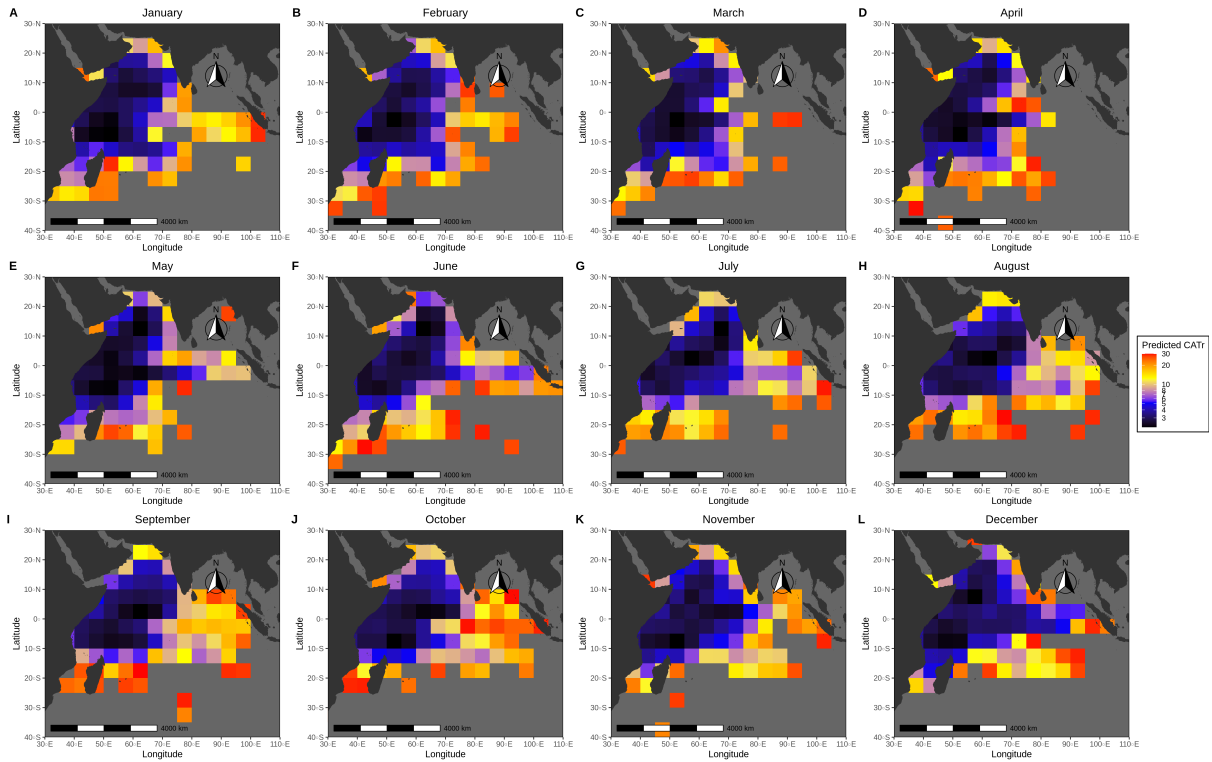


Figure S2. Predicted monthly mean $\overline{CAT_{return}}$ of individual YFT (in days) per 5° cells in the western Indian Ocean in 2020. The color scale is log transformed. $\overline{CAT_{return}}$ longer than 30 days, out of the main fishing grounds, were not represented.

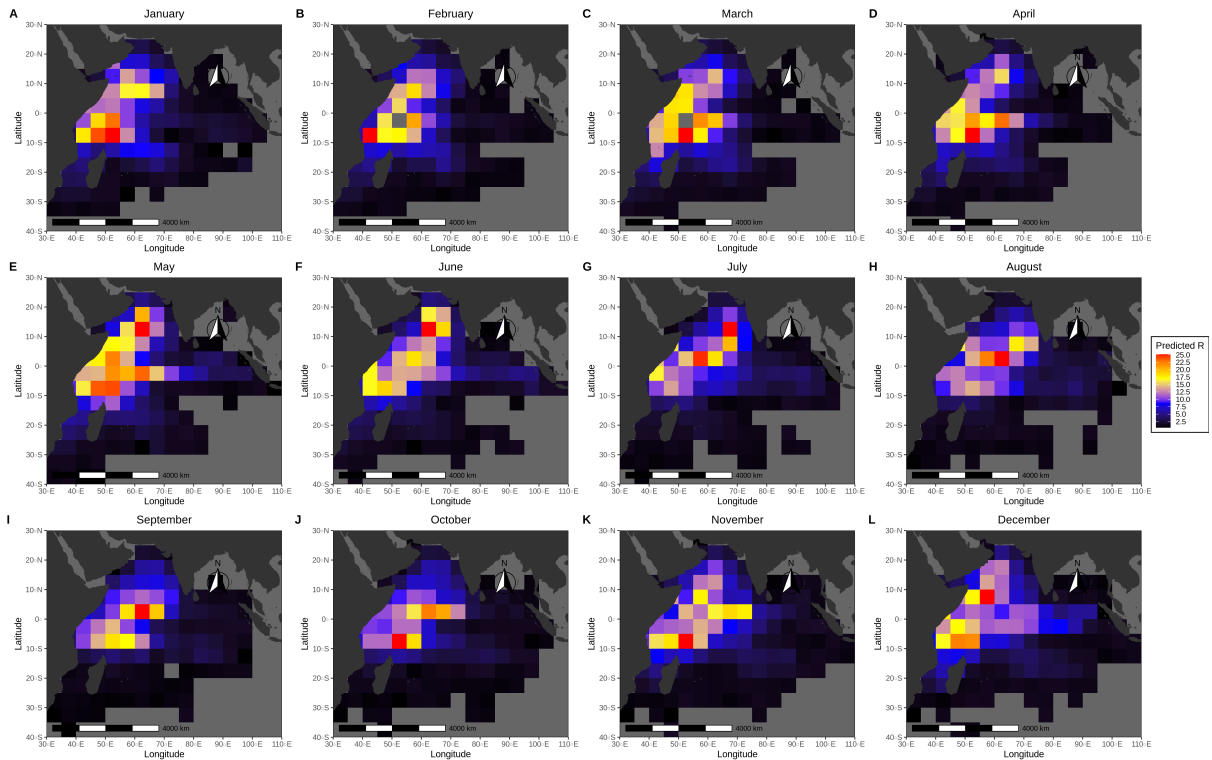


Figure S3. Predicted monthly mean ratio between the number of $\overline{CAT_{diff}}$ and the number of $\overline{CAT_{return}}$ (R) of individual YFT (in days) per 5° cells in the western Indian Ocean in 2020.