Referred Publications

Ferster, B. S., A. Simon, A.V. Fedorov, J. Mignot, and E. Guilyardi (2022). The transient climate response of the Atlantic meridional overturning circulation to Arctic sea ice decline and the North Atlantic warming hole, *Geophys. Res. Lett.* 49. https://doi.org/10.1029/2022GL097967

Ferster, B. S., A.V. Fedorov, J. Mignot, and E. Guilyardi (2021). Sensitivity of the Atlantic meridional overturning circulation and climate to tropical Indian Ocean warming. *Climate Dynamics*, 1-19, http://doi.org/10.1007/s00382-021-05813-w.

Ferster, B. S., B. Subrahmanyam, and A. Arguez (2019). Recent changes in Southern Ocean Circulation and Climate, *IEEE GRSL*, pp. 1-5, http://doi.org/10.1109/LGRS.2018.2880589.

Ferster, B. S., B. Subrahmanyam, I. Fukumori, and E. S. Nyadjro (2018b). Variability of Transports in the Southern Ocean, *Journal of Physical Oceanography*, 48(11), http://doi.org/10.1175/JPO-D-18-0055.1.

Ferster, B. S. and B. Subrahmanyam (2018). A Comparison of Satellite-derived Sea Surface Salinity and Salt Fluxes in the Southern Ocean, *J. Remote Sensing in Earth Systems Sciences*; http://doi.org/10.1007/s41976-018-0001-5.

Ferster, B.S., B. Subrahmanyam, and A.M. Macdonald (2018a). Confirmation of ENSO-Southern Ocean Teleconnections using Satellite Derived SST, *Remote Sens*., **10**, 331; http://doi.org/10.3390/rs10020331.

Subrahmanyam, B. and **B. S. Ferster** (2017). Investigating the Role of the Southern Ocean on Global Climate Change, *IEEE Xplore, Oceans 2017, Anchorage, Pages 1-4.*

Submitted and In review

Ferster, B. S., A.V. Fedorov, E. Guilyardi, J. Mignot (2023). The effect of Indian Ocean temperature on the Pacific trade winds and ENSO, Climate Dynamics (Submitted).

Povea Perez, Y, A.V. Fedorov, E. Guilyardi, **B. S. Ferster** (2022). The central role of the Atlantic meridional overturning circulation in Bjerknes compensation in the IPSL-CM6A-LR model. Climate Dynamics. (Submitted)

Hourdin, F, **B. S. Ferster,** J. Mignot, J. Deshayes, I. Musat (2022). Towards a machine-assisted tuning that avoids underestimating the uncertainty of climate change projections, Science Advances (In review).

Studholme, J., A.V. Fedorov, **B. S. Ferster** (2022). Stratospheric control of the ocean's role in Atlantic Multidecadal Variability. Nature (In revision).

Ferster, B. S., L. Borchert, J. Mignot, M. Menary, C. Cassou, A.V. Fedorov (2022). Internal AMOC modulations driven by Tropical Indian Ocean SST, NPJ Climate and Atmospheric Science (In revision).

Ferster, B., Borchert, L., & Mignot, J. (2022). *Observed Indian Ocean Warming Trend Applied to the IPSL-CM6A-LR model* (Version v0). Zenodo. https://zenodo.org/record/7092228#.Yyg11exByi4

Ferster, B., Simon, A., Fedorov, A., Mignot, J., & Guilyardi, E. (2022). *Climate Response to ~23% Albedo Reduction in IPSL-CM5A-LR* (Version v1). Zenodo. https://zenodo.org/record/6572208#.Yo_BEOxBzFo

Invited Seminars

Ferster, B. S. (2021). *AMOC and North Atlantic responses to Sea Ice decline and tropical teleconnections,* The University of Natural Resources and Applied Life Sciences (BOKU), Vienna. Invited seminar.

Ferster, B. S. (2021). *AMOC and North Atlantic responses to Sea Ice decline and tropical teleconnections,* University of Hamburg and the Max-Planck-Institut für Meteorologie, Germany. Invited seminar.

Ferster, B. S. (2019). *The Role of Teleconnections in Southern Ocean SST*, US CLIVAR Webinar, (*Webinar Presentation*)(*Invited Webinar Speaker*)