

Biographical Sketch - Cecilia M. Bitz (Co-I)

Academic qualifications

1997	PhD	Atmospheric Sciences	University of Washington
1990	MS	Physics	University of Washington

Professional positions held

2019–Present Chair, Atmospheric Sciences, University of Washington
2005–Present Assistant to Professor, Atmospheric Sciences, University of Washington

Bibliography of Recent Publications, more than 100 total peer reviewed papers - post docs and students in italics

Horvat, C., L. Roach, R. Tilling, C.M. Bitz, B. Fox-Kemper, C. Guider, K. Hill, A. Ridout, and A. Shepherd, Estimating the sea ice floe size distribution using satellite altimetry: Theory, climatology, and model comparison, The Cryosphere Discussions. doi:10.5194/tc-2019-134.

Wayand, N., C.M. Bitz, and E. Blanchard-Wrigglesworth, 2019: A year-round subseasonal-to-seasonal sea ice prediction portal, Geophys. Res. Lett., 46. doi:10.1029/2018GL081565.

Zhang, Y.-F., C.M. Bitz, J.L. Anderson, N. Collins, J. Hendricks, T. Hoar, K. Raeder and F. Massonnet, 2018: Insights on sea ice data assimilation from perfect model observing system simulation experiments, J. Climate, 31, 5911-5926, doi:10.1175/JCLI-D-17-0904.1.

Roach, L., C. Horvat, S. Dean, and C.M. Bitz, 2018: An emergent sea ice floe size distribution in a global coupled ocean-sea ice model, J. Geophys. Res. Oceans, 123, 4322-4337. doi:10.1029/2017JC013692.

Kimmritz, M., F. Counillon, C.M. Bitz, F. Massonnet, I. Bethke, and Y. Gao, 2018: Optimizing assimilation of sea ice concentration in a fully-coupled Earth system model with a multicategory sea ice model, Tellus A: Dynamic Meteorology and Oceanography, 70:1, 1435945, doi:10.1080/1600870.2018.1435945.

Blanchard-Wrigglesworth, E., M.A. Webster, S.L. Farrell, and C.M. Bitz, 2018: Reconstruction of Arctic snow on sea ice, J. Geophys. Res. Oceans, 123, 3588-3602, Doi:10.1002/2017JC013364.

Ordoñez, A.C., C.M. Bitz, and E. Blanchard-Wrigglesworth, 2018: Processes controlling Arctic and Antarctic sea ice predictability in the Community Earth System Model, J. Climate, 31, 9771-9786. doi:10.1175/JCLI-D-18-0348.1.

Select Professional Activities

National Research Council – Board on Atmospheric Sciences
Associate Editor, Journal of Advances in Earth System Modeling
Contributing author to the AMS statement on Climate Change