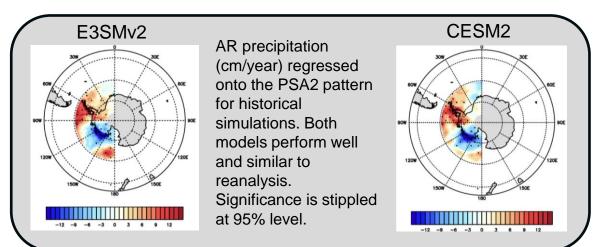
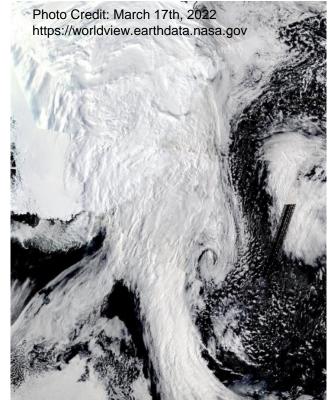


Teleconnection drivers for Antarctic atmospheric rivers in E3SMv2 and CESM2 Christine A. Shields NSF NCAR | CATALYST

Objective:

Teleconnections and modes of variability can be used as source of predictability for Antarctic ARs. The Pacific South American Mode 2, (PSA2), and the Indian Ocean Dipole (IOD) in phase with ENSO, are good candidates. (Shields et al., 2022, GRL, Shields et al., in prep).





EESM PI Meeting: High-Latitude Breakout Grand Challenge 1

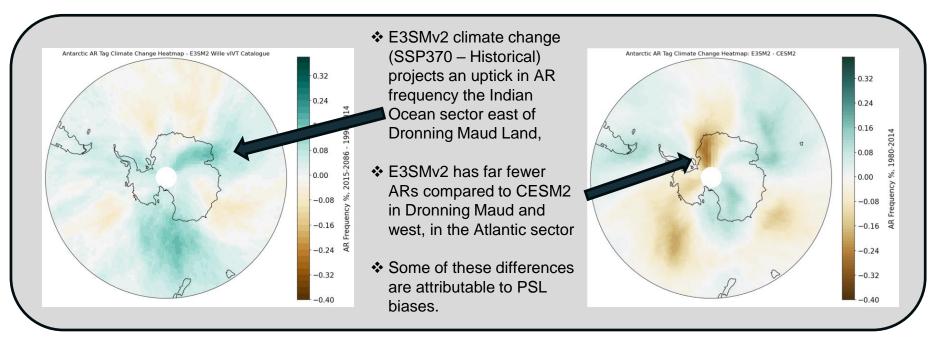
August 7, 2024



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Impact:

As we move into a future warmer world, understanding the mechanics and teleconnections of Antarctic ARs will help with their predictability and assessment of impacts on ice sheet, ice shelves, and sea ice.



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