

SESSION: (C3) Time scale interaction (includes teleconnections)

(C3-02)

North America winter circulation regime change and implications on S2S/S2D

Simon Wang

Utah State University, USA

The 2018 New Year extreme coldness in the eastern U.S. created hazards, while western states like California and CO underwent a wild swing from drought to flooding and to fires. The heat/cold contrast or “dipole” may be a new normal. We show progress in understanding the dipole variation in the decadal time scale and the effect of tropical and Arctic forcings at the S2S spectrum.