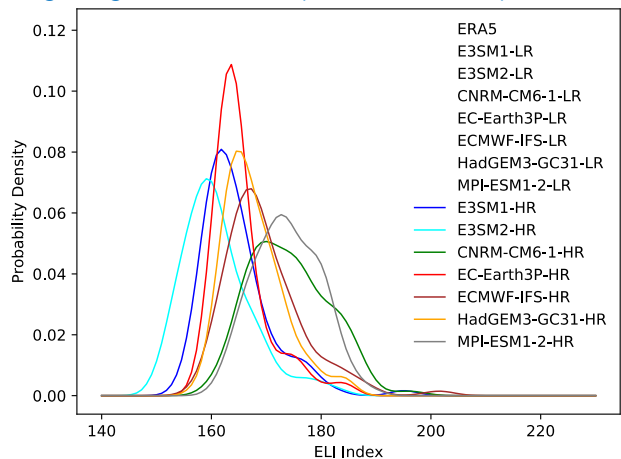


Simulated ENSO Teleconnections to US Winter Precipitation Extremes in a Model Resolution (complexity) Hierarchy

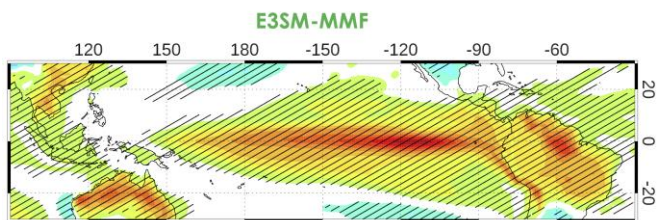
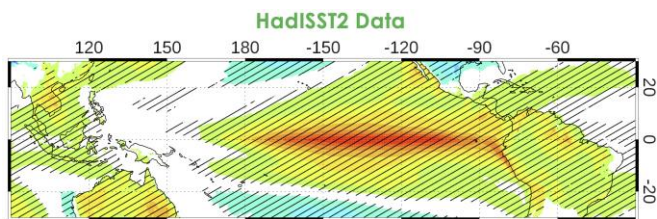
Salil Mahajan, Qi Tang, Walter Hannah, Noel Keen, Chris Golaz and Luke van-Roekel

ENSO Diversity and Biases

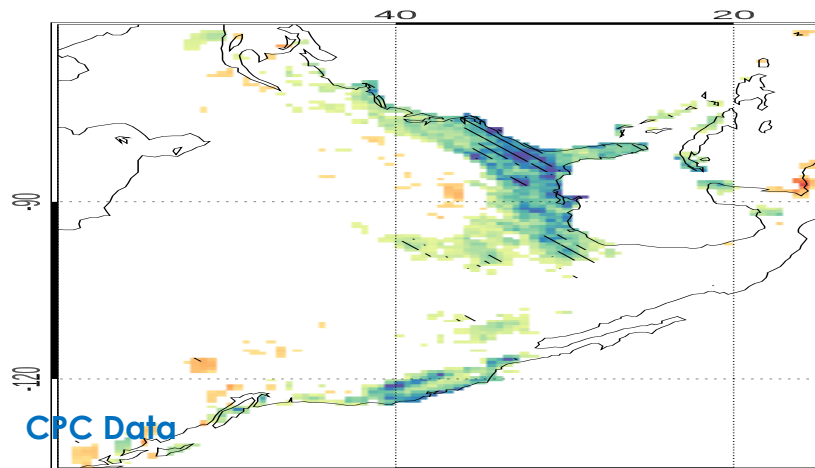
ENSO Longitudinal Index (ELI):
Avg. long. location of Tropical Pacific deep convection



Regression of SST against the Nino3.4 Index

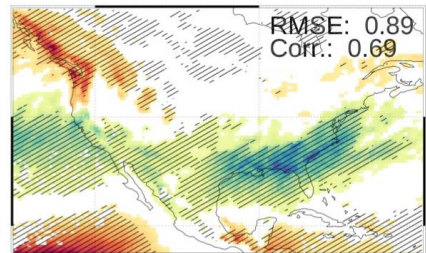
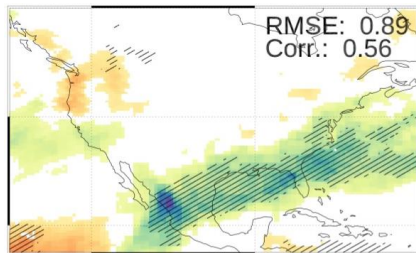


Teleconnections to Extremes (GEV)



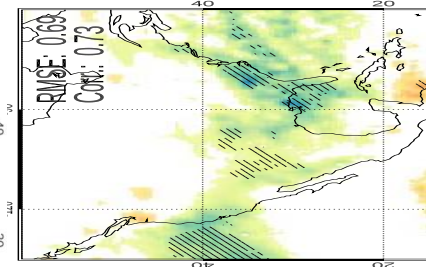
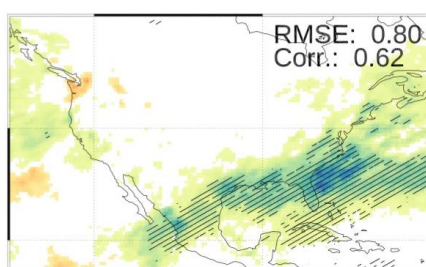
E3SMv1-LR

E3SMv1-HR



E3SMv2-NARRM

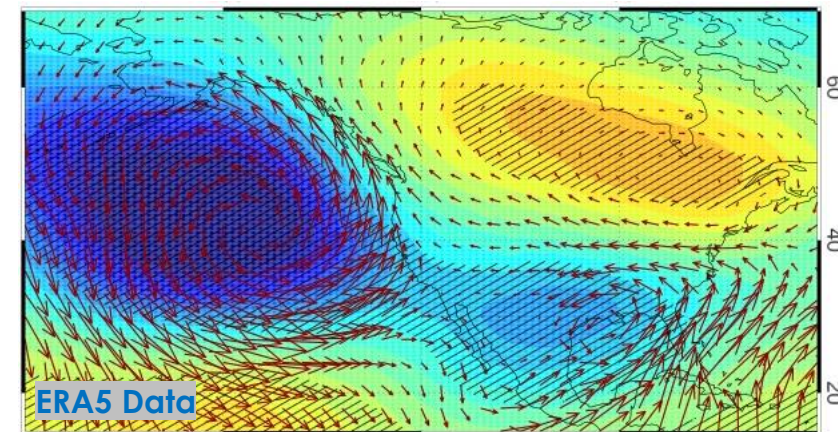
E3SM-MMF



ENSO Dependence of Precipitation Extremes (mm/day)

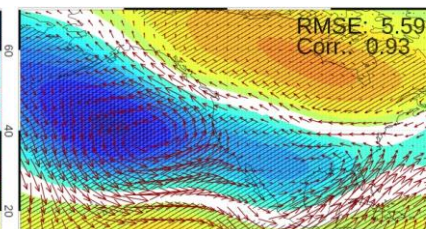
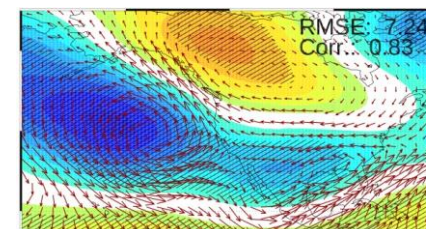


Physical Drivers (Moisture Transport)



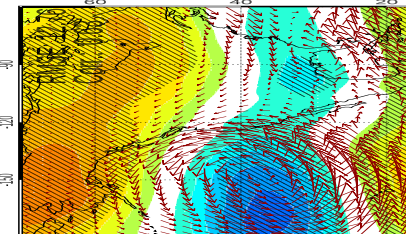
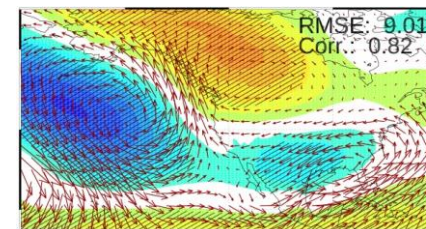
E3SMv1-LR

E3SMv1-HR



E3SMv2-NARRM

E3SM-MMF



Geopotential Height at 500mb (m)

