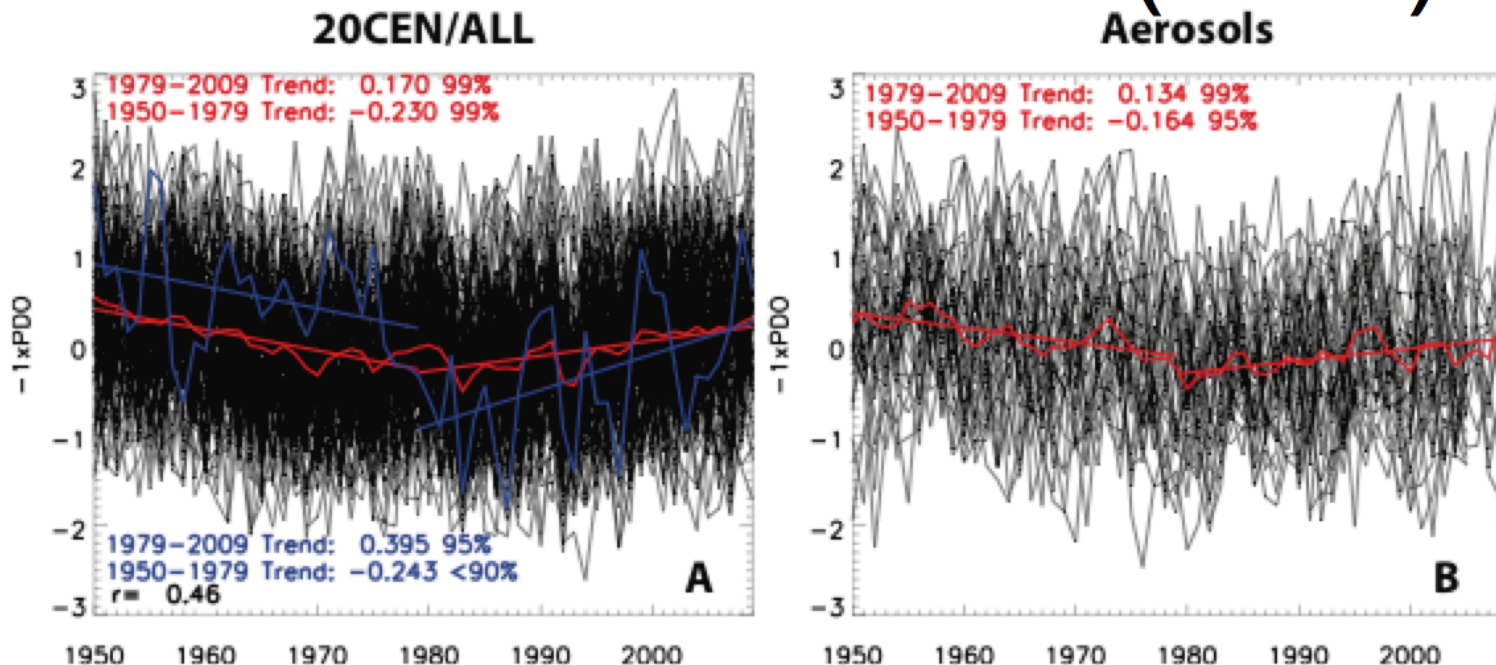




Aerosol Forcing of the Pacific Decadal Oscillation (PDO)



- The Pacific Decadal Oscillation (PDO) is a long-lived pattern of Pacific sea-surface temperature variability that affects climate throughout the world, particularly the west coast of North America. Panel A shows the multi-model mean historical simulation (red) yields similar PDO trends as observed (purple). This suggests external forcing of the PDO since 1950. Moreover, Panel B shows the anthropogenic aerosol-only simulations yield a very similar multi-model trend, implying anthropogenic aerosols are the primary agent forcing the PDO.