

An Introduction to the Seasonal Diagnostics Consortium and its Activities

Arun Kumar
Climate Prediction Center
NCEP/NOAA
Washington DC

Recently, under the sponsorship of Office of Global Programs (OGP)/NOAA, a consortium focused on the near real time attribution of seasonal climate anomalies was established. One goal of this consortium activity is to analyze the extent seasonal atmospheric climate anomalies could be linked to the global observed sea surface temperature anomalies. Our approach is to maintain a continually updated set of AMIP simulations from participating institutions, and compare ensemble mean anomalies from them with the observed anomalies. Agreement between the seasonal mean anomalies simulated by different AGCMs and the observations gives us confidence in the attribution of seasonal climate anomalies. Examples from this activity, from AGCM simulations for the period January 2000-present, will be shown.