

# OVERVIEW

NOAA's 38th Climate Diagnostics and Prediction Workshop was held in College Park, Maryland, on 21-24 October 2013. It was hosted by the Climate Prediction Center (CPC) of National Centers for Environmental Prediction (NCEP) and the Cooperative Institute for Climate and Satellites (CICS) of University of Maryland; and co-sponsored by NOAA Climate Program Office (CPO) Modeling, Analysis, Predictions and Projections (MAPP) Program, and the Climate Services Division (CSD) of National Weather Service (NWS). The American Meteorological Society (AMS) was a cooperating sponsor.

To accelerate improvements in NOAA operational products and datasets, and delivery of climate information, this workshop brought NCEP and the broader climate community together to address the following themes:



1. Exploring potential sources of predictability on intra-seasonal to interannual (ISI) time scales;
2. Realizing prediction skill by improving forecast tools and techniques through dynamical models and statistical methods, forecaster practices and protocols, data quality and assimilation, and scientific best practices;
3. Enhancing monitoring and timely attribution and assessment of recent high impact weather, water, and climate events;

4. Improving the forecast evaluation process, including verification techniques, performance metrics, evaluating existing forecast tools, the process of phasing out old tools and implementing new forecast tools, and engaging users in the evaluation process;
5. Developing applications that enhance NOAA climate services by improving understanding of user needs and delivering the best available climate information for the NOAA societal challenges in water, coasts, extremes, and marine ecosystems.



This Digest is a collection of extended summaries of the presentations contributed by participants. The workshop is continuing to grow and expected to provide a stimulus for further improvements in climate monitoring, diagnostics, prediction, applications and services.