

# 2008 CPPA PI's Meeting

## An Overview of NCEP Official NLDAS Website

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### ABSTRACT

The NCEP Environmental Modeling Center (EMC) collaborated with its CPPA (Climate Prediction Program of the Americas) partners to develop a North American Land Data Assimilation System (NLDAS, <http://www.emc.ncep.noaa.gov/mmb/nldas>). The multi-institution and multi-model NLDAS system includes both an analysis/monitoring mode and an ensemble seasonal prediction mode.

The monitoring mode has generated 29-year (1979-2008) forcing data and made 29-year retrospective run for Noah, Mosaic, and SAC land surface models (VIC model soon). Realtime forcing data and four models' outputs are generating each day. The NCEP official NLDAS website is used to circulate NLDAS phase 2 data and products. In order to provide a convenient way for instructing public users of research institutes, government agencies, and private sectors to use this website, we overview its configuration and products. These include NLDAS concepts, forcing data downloading, model outputs downloading, NLDAS simulation validation, NLDAS drought monitor, publications update and useful links. The NLDAS drought monitor variables contains anomaly and percentile of 1m soil moisture, total soil moisture, snow water equivalent, total runoff, evaporation and routed streamflow for 3 models and their ensemble mean.

We also presented future improvement plan for monitoring part and future development plan for prediction part of the NCEP NLDAS official website.