CPAESS Discovery Seminars

Dr. Murali Nageswara Rao Malasala

CPAESS Project Scientist at NOAA's National Centers for Environmental Prediction, Environmental Modeling Center.

Prediction skill of GEFSv12 in depicting Monthly Rainfall and Associated Extreme Events over Taiwan during Summer Monsoon

DATE: **Wed. April 19, 2023**

TIME: **11:00 AM – 12:00 PM MDT** (VIRTUAL)

WATCH THE LIVE WEBCAST

The skillful prediction of monthly scale rainfall in small regions like Taiwan is one of the challenges of the meteorological scientific community.

Taiwan is one of the subtropical islands in Asia. It experiences rainfall extremes regularly, leading to landslides and flash floods in/near the mountains and flooding over low-lying plains, particularly during the summer monsoon season [June–September (JJAS)]. In September 2020, NOAA/NCEP implemented Global Ensemble Forecast System, version 12 (GEFSv12), to support stakeholders for subseasonal forecasts and hydrological applications. In the present study, the performance evaluation of GEFSv12 for monthly rainfall and associated extreme rainfall (ER) events over Taiwan during JJAS against CMORPH has been done.