

Numerical Prediction of the Earth system: putting it all together

Environmental Prediction Systems: Tropical Aspects

In the session “Environmental Prediction Systems: Tropical Aspects” we focus on a broad spectrum of phenomena related to the prediction of tropical meteorology and oceanography, including the multi-scale organization of convection, tropical waves, tropical cyclones, storm surge, extratropical transitions, intraseasonal variability, large-scale circulations, monsoons, air-land-sea interaction, interannual variability and climate, aerosol-cloud-precipitation processes, data assimilation, predictability, numerical modeling techniques for the tropics including climate downscaling, and operational prediction systems focused on the tropics. Weather and climate prediction systems that represent the complex coupled earth system processes over the tropics are of interest, including the interactions among the land, ocean, waves, and biosphere. Prediction studies that are relevant to ongoing and recently completed field campaigns are also of interest.