

CLiPAS Seasonal Prediction and Predictability of the Summer Monsoon Precipitation

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The “Climate Prediction and Its Application to Society” (CliPAS) is aimed at supporting the Asia-Pacific Economic Cooperation (APEC) Climate Center (APCC) for seasonal prediction and its application to society. The objective of CliPAS is to develop a well-validated Multi-Model Ensemble (MME) prediction system. A coordinated research community has been formed consisting of ten institutions and a large group of leading scientists in the field of climate prediction and societal application from United State of America (USA), Korea and Japan under the project. A 24-year (1981-2004) MME hindcast experimental dataset are produced. This dataset consists of five Tier-one models from National Aeronautics and Space Administration (NASA), National Center for Environmental Prediction (NCEP), Frontier Research Center for Global Change (FRCGC), Seoul National University (SNU), and University of Hawaii (UH) and five Tier-two models from Florida State University (FSU), Geophysical Fluid Dynamic Lab (GFDL), SNU, and UH. The prediction skill and potential predictability of multi-model ensemble seasonal prediction system are shown by various methods including the signal-to-noise ratio and correlation skill.