Overview of Australian Bureau of Meteorology Seasonal Forecast System and Research

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ABSTRACT

The dynamical model ENSO forecast skill has been dramatically improved in the past two decades due to continuing effort in observing and understanding the coupled ocean-atmosphere system. At the Australian Bureau of Meteorology (BoM) there is an ongoing call for exploring dynamical model based seasonal prediction beyond ENSO, most noticeably drought prediction. This talk will introduce the BoM seasonal forecast system Predictive Ocean Atmosphere Model for Australia (POAMA) development and relevant research and application studies. Issues and challenges facing seasonal prediction will also be discussed.