Decadal Prediction Activities at NCAR

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Decadal prediction and predictability is a topic of great interest at the National Center for Atmosphere Research (NCAR) and its Community Climate System Modeling (CCSM) activity. The interest is in part driven by the expectation of IPCC AR5 request for decadal outlook integrations which would be of higher resolution and short time horizon to meet the requirements of application and take advantage of the relative certainty in the signal of emission scenarios over the next 30 years. It is also driven by the science questions related to the essential predictability of decadal climate variations and the fundamental climate dynamics underlying existence. In this light, NCAR’s plans for decadal studies and its collaborative activities with other centers is reviewed.