

The WWRP Polar Prediction Project

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The World Weather Research Program (WWRP) Polar Prediction Project (<http://polarprediction.wordpress.com/>) is designed by the World Meteorological Organization as a follow on to the International Polar Year, and targets improved weather forecasting for the polar regions on time scales of hourly to seasonal. It is a decade long effort starting in 2013 focused around the Year of Polar Prediction in 2017-2018 with preparatory activities and followed by analysis. It encompasses forecasting system development (observations, modeling, data assimilation, and ensemble forecasting), underpinning research (predictability, diagnostics and teleconnections), and societal aspects (verification and forecast usability). There is a strong Arctic emphasis as many national weather services from that area are represented. The leading operational centers (like ECMWF and NCEP) are actively involved following on from THORPEX (The Observing System Research and Predictability Experiment, emphasizing improvements in the accuracy of 1-day to 2-week high impact weather forecasts) TIGGE (THORPEX Interactive Grand Global Ensemble) and THORPEX IPY Cluster Project (including Concordiasi in the Antarctic). A primary Antarctic focus of the Polar Prediction Project is the AMPS effort and its community of users. As a member of the Steering Group, the goals of this presentation are to brief the Antarctic community on the project status as well as to collect input for the next planning workshop at ECMWF 24-28 June 2013.