**Mission Statement**

Promote cooperative international research enabling development of improved prediction services for the polar regions, on time scales from hourly to seasonal.

The Polar Prediction Project constitutes the hourly to seasonal research component of the Global Integrated Polar Prediction System (GIPPS).

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**Research Goals**

**Service-oriented Research**
- Understand and evaluate the use of enhanced prediction information and services in polar regions

** Forecasting System Research**
- Improve representation of key polar processes in (coupled) models of the atmosphere, land, ocean and cryosphere
- Establish and apply verification methods appropriate for polar regions
- Develop and exploit ensemble prediction systems with appropriate representation of initial and model uncertainty for polar regions
- Develop data assimilation systems that account for the unique characteristics of polar regions

**Underpinning Research**
- Determine predictability and identify key sources of forecast errors in polar regions
- Improve knowledge of two-way linkages between polar and lower latitudes, and their implications for global prediction
- Provide guidance on optimizing polar observing systems, and coordinate additional observations to support modelling and verification

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**Implementation**

An international Steering Group representing both the research and operational communities. The 5th steering group meeting is scheduled for August 2014, in Montréal.

An intensive observing and modelling effort to advance polar prediction. This activity, termed the Year of Polar Prediction (YOPP), is envisaged to take place from mid-2017 to mid-2019.

A strong educational component, which will be jointly implemented with the Association of Early Career Scientists (APECS), e.g. Polar Prediction Summer School 2016, Abisko, Sweden.

A series of science workshops on polar prediction, e.g. Linkages Workshop, December 2014, Barcelona, Spain.

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**Steering Group**

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- Peter Bauer, UK
- David Bromwich, USA
- Jonathan Day, UK
- Francisco Doblas-Reyes, Spain
- Chris Fairall, USA
- Marika Holland, USA
- Trond Iversen, Norway
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