



Polar Prediction Project update

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Photo: G. Dieckmann, AWI

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Polar Prediction Project

- 10-year project. Target lead time range: from hours to 6 months.
- Science and Implementation Plans.
- <http://polarprediction.net>
- Flagship activity – Year of Polar Prediction (mid-2017-mid-2019). Observational and Modelling components. All data should be available for research.
- Arctic science workshop in Jan 2019
- Observation layer for Google Earth for download

Preparation Phase 2013 to mid-2017

Community engagement

Alignment with other
planned activities

Development of
Implementation Plan

Preparatory research

Summer school
Workshops

Fundraising &
Resource mobilization

Core Phase mid-2017 to mid-2019

Intensive observing periods
& satellite snapshot

Dedicated model
experiments

Coupled data
assimilation

Research into use &
value of forecasts

Intensive verification
effort

Summer school
Workshops

Consolidation Phase mid-2019 to 2022

Data denial experiments

Model developments

Dedicated reanalyses

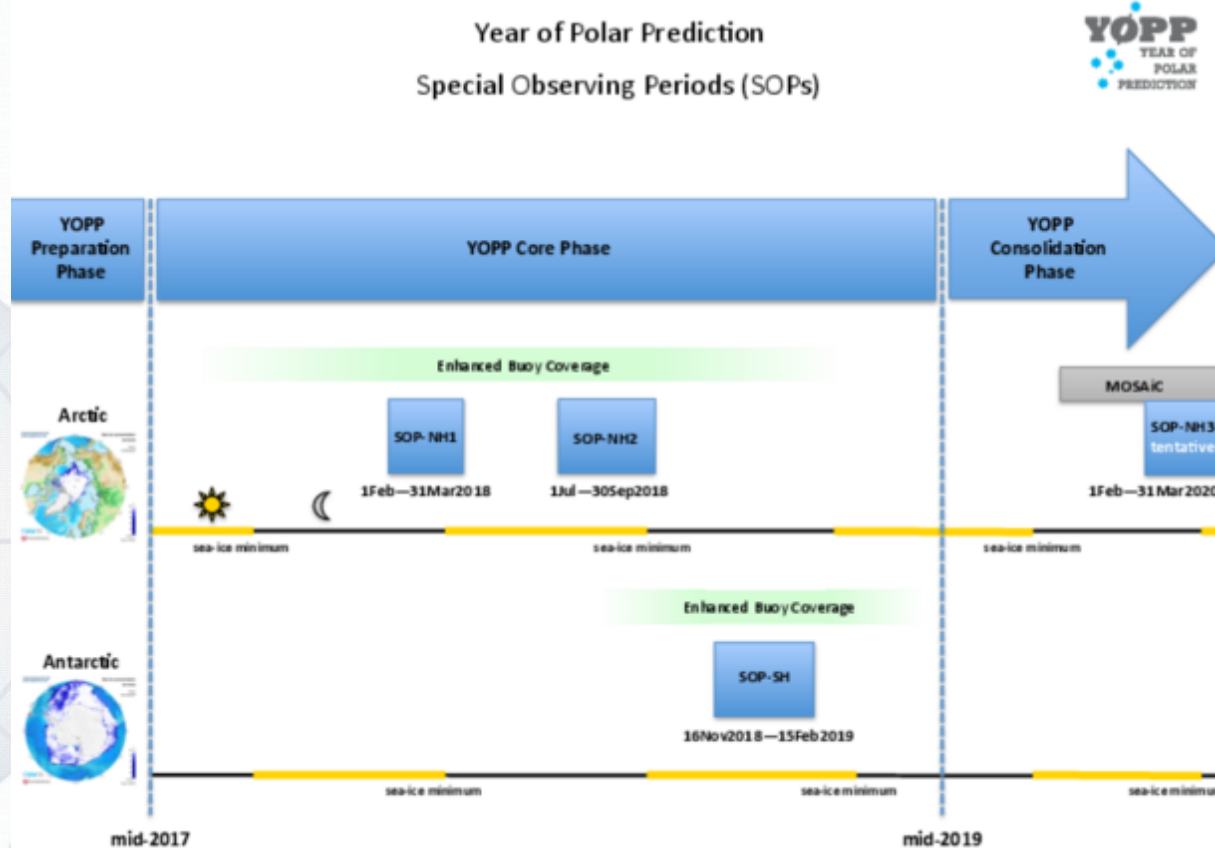
Operational
implementation

Evaluation of forecast
improvements and use

YOPP publications

YOPP conference

YOPP Special Observing Periods



- During Special Observing Periods (SOP) routine observations such as launches of radiosondes and buoy deployment will be enhanced in both the northern and southern hemisphere.
- In addition, shorter YOPP field campaigns will be scattered around the SOP during the YOPP Core Phase.

Information from YOPP

- extra radiosonde launches,
- surface ocean and ice buoys (including buoys in Russian Arctic),
- automatic weather stations,
- airborne activities during or outside the Special Observing Periods (SOPs).
- YOPP supersites that combine many frequent additional observations (including fluxes, profiles, ...).
- YOPP data portal <https://yopp.met.no/> is continuously growing.
- Ongoing activity – YOPPsiteMIP: comparing frequent atmosphere model output with obs at supersites.

Thank you for attention!

