

Relevant Projects:

Tropical Pacific Observing System for 2020 (TPOS2020)

Year of the Polar Prediction (YOPP)

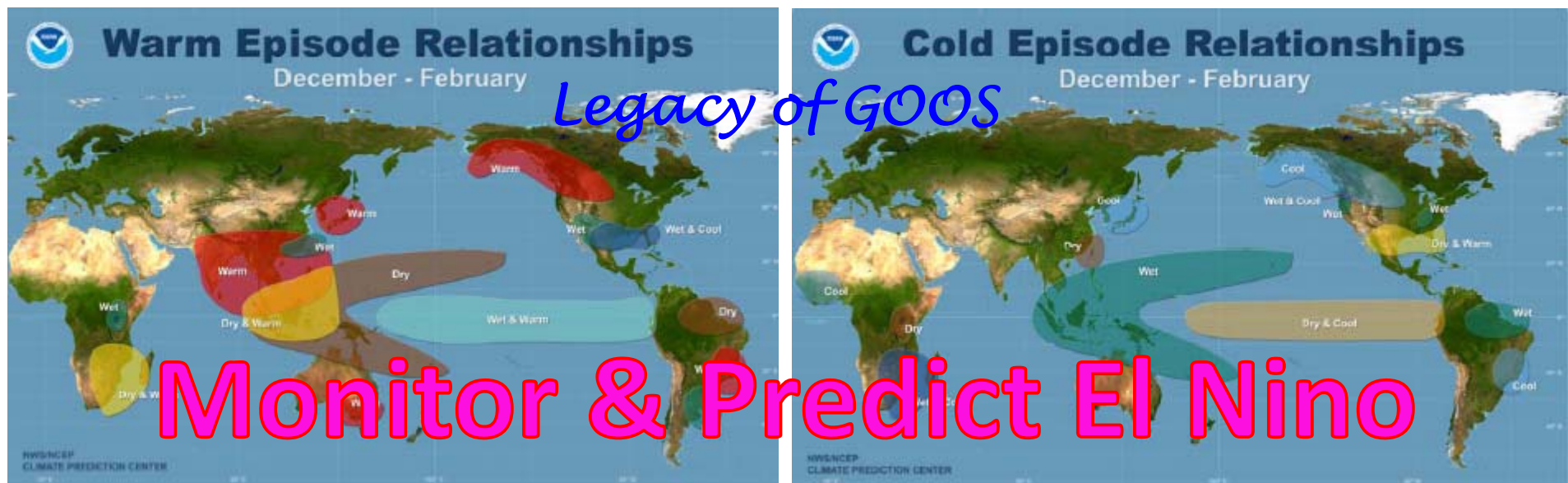
TPOS & TPOS2020

Background & Social Needs



TAO/TRITON is perennially suffering from vandalism & insufficient ship time.

In addition to conventional mooring, new technology including argo & gliders, satellites, model, should be incorporated into a backbone system.



TPOS & TPOS2020

Objectives

- 1) To redesign and refine the TPOS to observe ENSO and advance scientific understanding of its causes,
- 2) To determine the most efficient and effective observational solutions to support prediction systems for ocean, weather and climate services, and
- 3) To advance understanding of tropical Pacific physical and biogeochemical variability and predictability.

By 2020, an efficient, effective and comprehensive observing system, sustained by an international network should be established.



YOPP (Year of Polar Prediction)

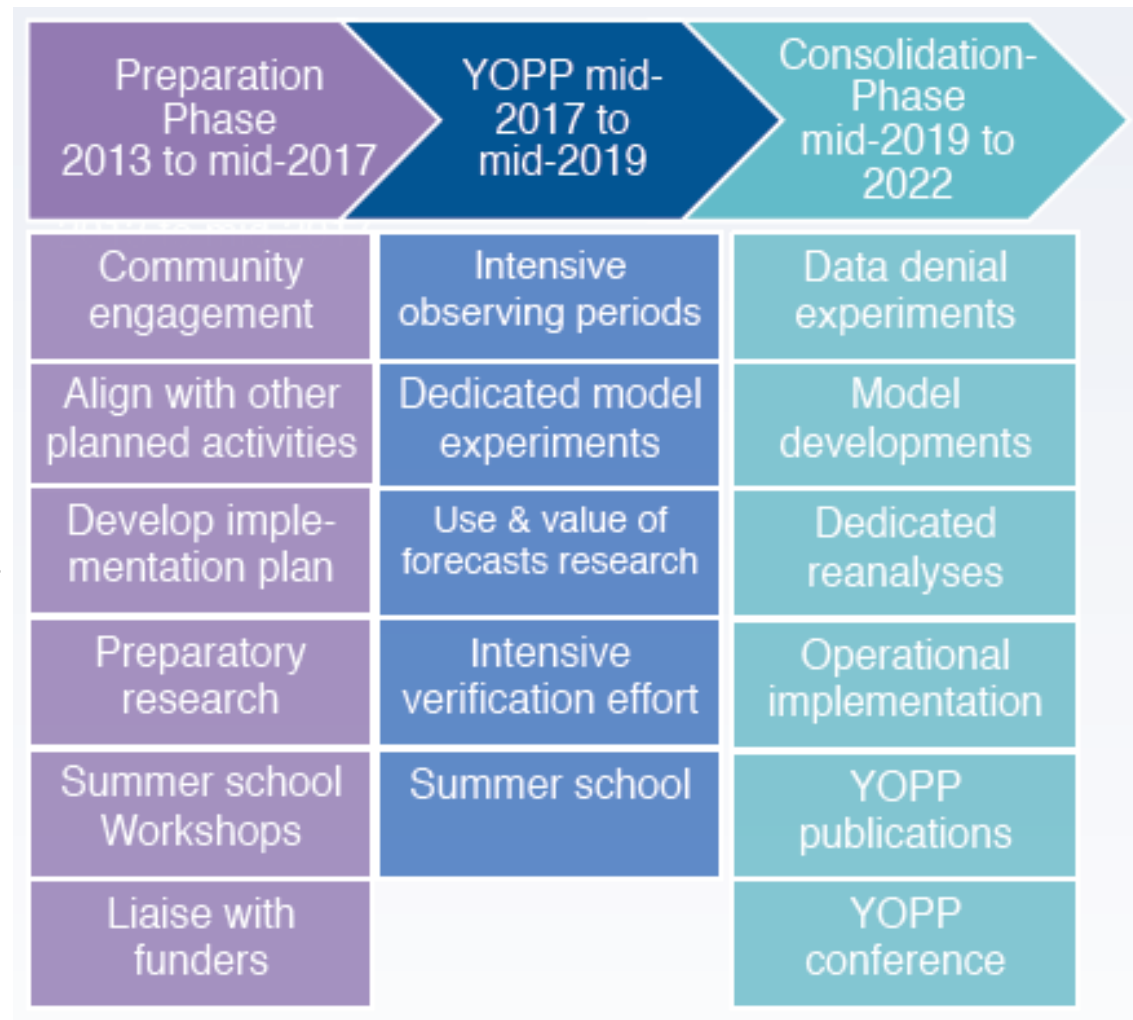
YOPP is one of activities of decadal-scale project “Polar Prediction Project (PPP)” of WWRP.

Mission.

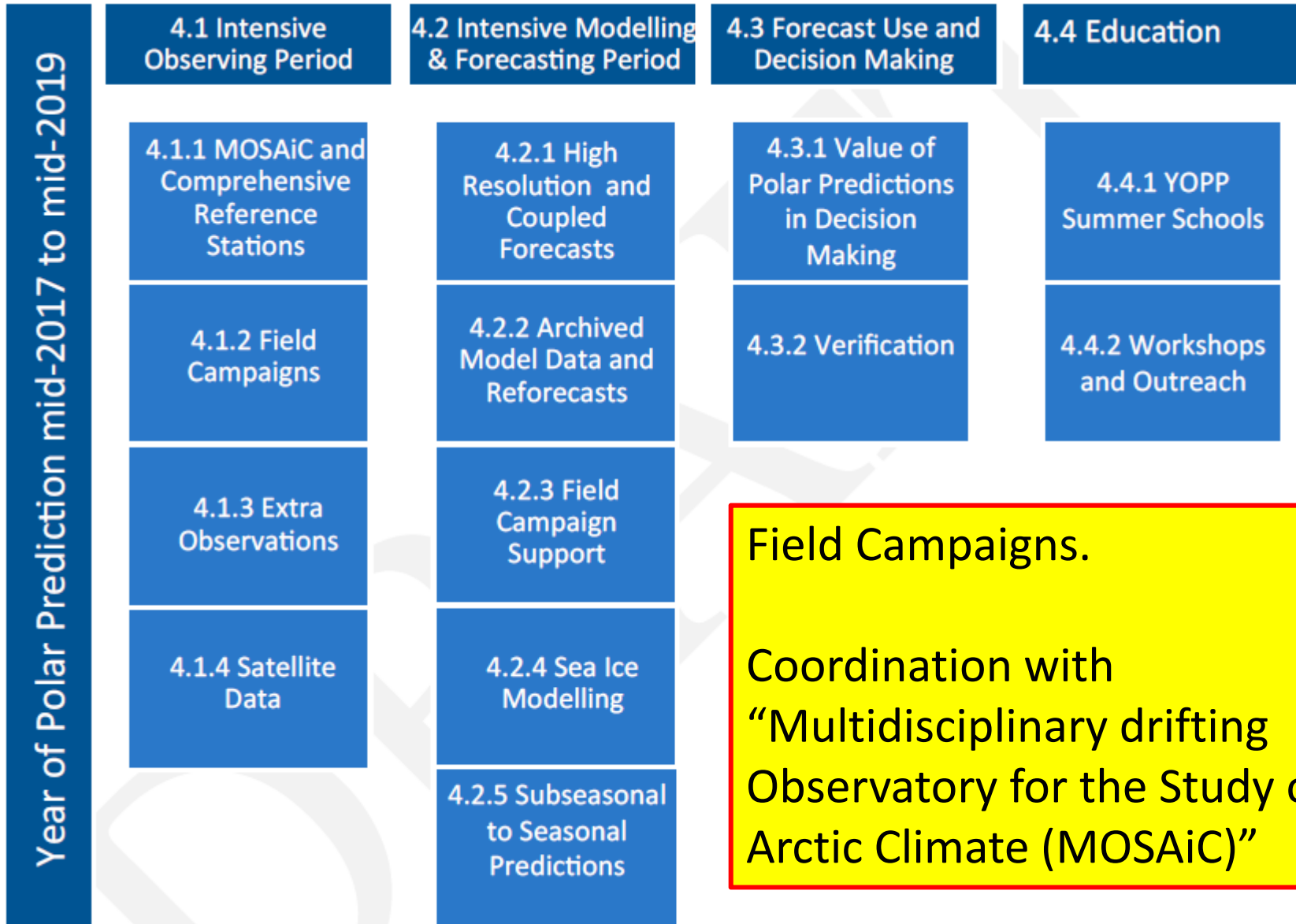
Enable a significant improvement in environmental prediction capabilities for the polar regions and beyond, by coordinating a period of intensive observing, modelling, verification, user-engagement & education activities.

Project Office.

AWI, Germany



YOPP (Year of Polar Prediction)



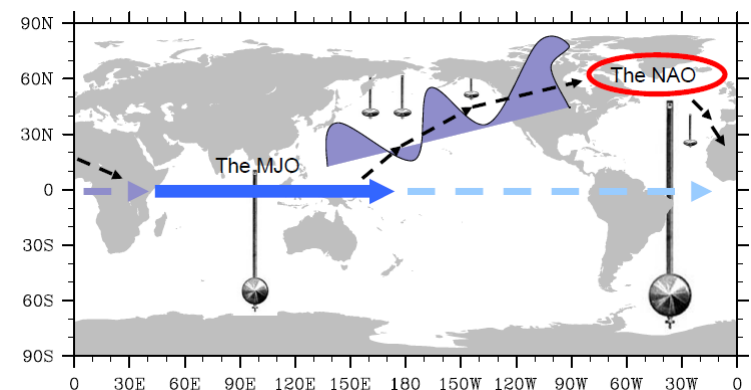
YOPP (Year of Polar Prediction)

Special Remarks for YMC on the relationship to YOPP.

- 1) WWRP and WCRP require the coordination of two projects.
- 2) ECMWF will produce hi-res (10-km) analysis.

cf.

Tropical forcing (MJO) is critical for mid-latitude atmospheric predictability (AO and NAO) at S2S scale.
(ex. Lin et al. 2009, JC)



From G. Brunet (2014, WWOSC)
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