Update from the YOPP International Coordination Office for Polar Prediction

Kirstin Werner
Director WMO WWRP PPP International Coordination Office/Alfred Wegener Institute Helmholtz Centre for Polar and Marine Research
YOPP Overview in 2020

2020 has been a year far from being normal, but community efforts to advance and improve polar prediction still were ongoing. Here’s a summary of YOPP activities and deliverables made available through the YOPP International Coordination Office.

Jan - Feb - Mar - Apr - May - June - July - Aug - Sept - Oct - Nov - Dec

- Special Issue in Polar Geography: Societal Value of Improved Forecasting
- Polar Prediction Matters: Risk and Reward: Assessing the Ocean Risks Associated with a Reducing Greenland Ice Sheet
- YOPP session at APECS SCAR Workshop “Arctic Sciences: Global Connections”
- First live session of The IcePod Bonus with Villki Heimstein - Paul to look at the Clouds and Play with Balloons
- YOPP session at APECS SCAR Workshop “Arctic Sciences: Global Connections”
- First live session of The IcePod Bonus with Villki Heimstein - Paul to look at the Clouds and Play with Balloons
- The IcePod #03 with Gunner Sprees - How do you like your eggs?
- The IcePod #02 with Hannes Fettweis - The Clouds Episode
- The IcePod #01 with Tone Hallas - The Weather Man
- Special Issue in Advances in Atmospheric Sciences: Antarctic Meteorology and Climate: Past, Present and Future
- Special Issue in Advances in Atmospheric Sciences: Antarctic Meteorology and Climate: Past, Present and Future
- YOPP session at APECS SCAR Workshop “Arctic Sciences: Global Connections”
- First live session of The IcePod Bonus with Villki Heimstein - Paul to look at the Clouds and Play with Balloons
- YOPP session at APECS SCAR Workshop “Arctic Sciences: Global Connections”
- First live session of The IcePod Bonus with Villki Heimstein - Paul to look at the Clouds and Play with Balloons
- Special Issue in Advances in Atmospheric Sciences: Antarctic Meteorology and Climate: Past, Present and Future
PPP Steering Group Meetings 2020/2021

#11: 19–21 February 2020
Alfred Wegener Institute, Bremerhaven, Germany

#12: 8–12 March 2021
Virtual
PPP-SG [...] agreed to extend the YOPI Southern Hemisphere effort (YOPP-SH) to the end of 2024 to accommodate planned activities such as the YOPP-SH Targeted Observing Period (TOP-SH1) expected in 2022.

(from PPP SG #11 meeting report, 2020)
“[...]David Bromwich advised the PPP-SG that he had been **successful in getting support** from the Byrd Polar and Climate Research Center to take over the **administrative support of YOPP-SH after PPP completes in December 2022** [...]”

(from PPP SG #12 meeting report, 2021)
YOPP-SH Activities 2020

• Regular ± monthly online **calls with YOPP-SH group** (two each time to accommodate all time zones)

• **YOPP-SH science session** and *The IcePod* podcast live episode with Vicki Heinrich (APECS Online Workshop “Antarctic Science: Global Connections” alongside online SCAR Meeting, 11–13 August 2020)

Find this and other episodes of *The IcePod* on Spotify, Apple Podcasts or Castbox
YOPPSiteMIP in the Southern Hemisphere

YOPPSiteMIP = YOPP Site Model Intercomparison Project

➔ Get all the data from all the sensors from key (YOPP-SH?) sites into one (netcdf) file that looks just like the corresponding model (netcdf) file.

➔ Make data readily available through the YOPP Data Portal
YOPP Final Summit

YOPP Final Summit Montreal 2022

1–4 May 2022 \* MONTREAL \* CANADA

Online participation possible

**REVIEW**
Progress

**SHOWCASE**
Key Findings & Success Stories

**DISCUSS**
The YOPP Legacy

**FORTHCOMING TIMELINE**
June 2021
Registration and abstract submission opens

October 2021
Abstract submission deadline

October 2021
Early registration deadline

December 2021
Letter of acceptance

February 2022
Online registration deadline

May 2022
YOPP Final Summit

**INVITED PLENARY SPEAKERS**

- Petteri Taalas (WMO)
  Secretary General of WMO

- Thomas Jung (AWI)
  Chair of the YOPP Advisory Group

- Gilbert Brunet (BoM)
  President YOPP Secretariat

- Peter Bauer (ECMWF)
  Deputy Director Research Department

- Gunilla Svensson (Stockholm University)
  Lead Researcher for the YOPP-A

- Greg Smith (ECMWF)
  Head of Planning and Project Management

- Matthew Shupe (CIRES-NOAA)
  Co-ordinator of the YOPP-A

- Jackie Dawson (University of Ottawa)
  Canada Research Chair

- Karin Strand (Hurtigruten)
  Vice President, Expedition, Norway

**FURTHER INFORMATION**
www.polarprediction.net

**CALL FOR ABSTRACTS**
Late August

**PARTNERS**

- YOPP Final Summit Task Team (partnering with ECCC, CMOS and agenda managers)

- YOPP-SH session

**PUBLIC EVENT**

- Proposal: 17th WAMC and 7th annual YOPP-SH meeting in Montreal, Canada (could be arranged with ECCC)
YOPP Final Summit School & Fellowship Program

- YOPP Final Summit School: 29 April – 1 May 2022
  - Probably in Quebec province (either Montréal or tbd)
  - Field component involved
  - Networking
  - Ca 30 early career scientists
  - applications in August/September

- Fellowship Program at YOPP Final Summit
  - Highly competitive
  - ca 3 to 5 ECRs with contributions to PPP/YOPP
  - Fire side chats with selected seniors from the field
  - Prominent feature of their scientific outcome at the conference
  - applications in August/September
YOPP-SH Mailing list

• Send email to yopp-sh-taskteam@listserv.dfn.de
• Currently 88 subscribers
• To be added, message office@polarprediction.net
Further Information

Social Media
@polarprediction

Website
www.polarprediction.net

Mailing Lists
office@polarprediction.net
≈ 700 subscribers

Newsletter
PolarPredictNews
17 issues published since Oct. 2018

Polar Prediction Matters
21 contributions since Sept. 2017
https://blogs.helmholtz.de/polarpredictionmatters/
PPP/YOPP Evaluation & Legacy

• "success stories" from YOPP-SH (in preparation of YOPP Final Summit)

• YOPP-SH legacy
  • YOPP-SH mailing list (maintaining the network)
  • extension of YOPP-SH activities (administrational support through BPCRC)
Points for Discussion

• sorts of activities and costs of YOPP-SH after 2022
• 17th WAMC and 7th annual YOPP-SH meeting in Montreal, Canada (could be arranged with ECCC)