

**Welcome to Boulder (in-person or online)
and the US CLIVAR Workshop on Societally-
Relevant Multi-Year Climate Predictions**

~~March 31-April 2, 2020~~

~~June 2-June 4, 2021~~

March 28-March 30, 2022



Workshop goal

To stimulate research into developing useful multi-year climate predictions, by exploring the intersection of

- what can be predicted**
- what might be predictable**
- what needs predicting**

for a time horizon beyond a year.

Workshop aims

- Advance scientific understanding of multi-year predictability
- Characterize physical and dynamical processes that can be exploited to improve multi-year forecasts
- Highlight successes/challenges for producing skillful multi-year predictions
- Assess specific observational needs for improving multi-year predictions that are not met with the existing system
- Identify knowledge gaps, determine future research direction and foster new initiatives and collaborations by bringing together research, operational, and applications community

Workshop topics

Monday

- Ocean/cryosphere multi-year processes/predictability
- Potential applications of ocean multi-year forecasts

Tuesday

- Land/atmosphere multi-year processes/predictability
- Numerical and empirical (machine learning) modeling approaches
- Potential applications of atmospheric/land multi-year forecasts

Wednesday

- Current and planned multiyear prediction capabilities

Workshop structure

Morning

- Two talk blocks separated by coffee break
- Morning breakout: processes/predictability

Afternoon (after lunch)

- Poster session (online)
- One talk block
- Afternoon breakout: prediction and applications

Talk blocks

- Consists of 3-4 invited (15 min) and/or contributed (10 min) talks
- Questions/comments during and after talks in webex chat and slack channel
- Q&A/discussion (15 min) follows each block

Thanks!

Scientific Organizing Committee

Ben Kirtman, University of Miami (co-chair)
Ed Blanchard-Wrigglesworth, University of Washington
Pedro DiNezio, University of Colorado
Sarah Larson, North Carolina State University
Bill Merryfield, Environment and Climate Change Canada
Haiyan Teng, Pacific Northwest National Laboratory

Sarah Kapnick, formerly GFDL
Toby Ault, Cornell University

Program Organizing Committee

Cyndie Graddy (US CLIVAR)
Mike Patterson (US CLIVAR)
Jennie Zhu (US CLIVAR)

Workshop Sponsors

