NATIONAL ACADEMIES Sciences Engineering Medicine

BOARD ON ATMOSPHERIC SCIENCES AND CLIMATE

# BASC Fall Virtual Meeting
# Advancing Subseasonal to Seasonal (S2S) Forecasting

## Purpose

This session aims to reflect on recommendations from the 2016 study, *Next Generation Earth System Prediction: Strategies for Subseasonal to Seasonal Forecasts [link]*, examine advances in S2S forecasting ability and approaches, and explore opportunities for the Board on Atmospheric Sciences and Climate (BASC) to support progress in the science and utility of S2S forecasts.

## MONDAY, NOVEMBER 27, 2023 | 1:30 PM–4:45 PM (All times EST)

**1:30–2:00** **Welcome and S2S Introduction**

***Brad Colman*** **–**Welcome and Introduction to BASC Interest in S2S

***Andy Brown*** *(European Centre for Medium-Range Weather Forecast)* **–** 2016 S2S NASEM Report Overview and Reflections

**2:00–2:50** **Session 1: Uncertainty in S2S Forecasts – How do we make S2S forecasts more useful?**

**Speakers:** (5-minute lightning talks)

- ***Steve Yeager*** *(National Center for Atmospheric Research)*
- ***Ben Kirtman*** *(University of Miami)*
- ***Kathy Pegion*** *(University of Oklahoma)*
- ***Michael Anderson*** *(California Department of Water Resources)*
- ***Linda Hirons*** *(University of Reading)*

**2:50–3:00** **BREAK**

**3:00–3:50** **Session 2: Emerging Role of Data-driven Methods for S2S Forecasting**

**Speakers:** (5-minute lightning talks)

- ***Aneesh Subramanian*** *(University of Colorado, Boulder)*
- ***Kirsten Mayer*** *(National Center for Atmospheric Research)*
- ***Maria Molina*** *(University of Maryland)*
- ***Dale Durran*** *(University of Washington)*
- ***Jason Furtado*** *(University of Oklahoma, Salient Predictions)*

**3:50–4:00** **BREAK**

**4:00–4:45** **Session 3: Discussion on Bringing Together Climate and Weather for S2S**

**Panelists:**

- ***David Novak*** *(Weather Prediction Center, NOAA)*
- ***David DeWitt*** *(Climate Prediction Center, NOAA)*
- ***Andrew Robertson*** *(International Research Institute Climate Group, World Weather Research Programme/World Climate Research Programme S2S Prediction Project)*
- ***Andrea Lopez-Lang*** *(University of Wisconsin-Madison)*

**4:45** **MEETING ADJOURNS**