

## **Proposed SAB Work Plan 2020-21 Topic from the Climate Working Group**

**Title: S2S2S- A pathway to Improved Predictions**

### **Description of Planned Work:**

The CWG will provide research-based priorities in Subseasonal-to-Seasonal-to-Decadal (S2S2D) forecasting to understand and predict changes in the Earth's environment, with recommendations from the 2-year, 5-year, and long-term perspectives. The report will focus on hybrid dynamic-statistical models, boundary layer processes, expanded ocean observations, and the use of biogeochemical profiles.

### **Proposed Deliverables:**

The CWG will write a report in the calendar year 2019 that includes recommendations for NOAA's current and future S2S2D research program.

### **Participants:**

The members of the Climate Working Group, a working group under NOAA's Federal Advisory Board (SAB), will research and draft the proposed report.

### **Potential Challenges:**

CWG members have the necessary expertise, and there is significant interest in these topics. The only potential challenge is the short timeline for completing and submitting the report to the SAB by the end of 2019. To address this challenge, a timeline of activities and major milestones was approved by CWG members at the CWG's June 12<sup>th</sup> Spring Meeting.

### **How does this topic relate to the Terms of Reference for the SAB or your Working Group?**

For the CWG, this matches all six requirements in the terms of reference, especially bringing a broad view (#1), devising on programmatic guidelines (#2), and advising on integrated activities (#6). For the SAB, this fits the objectives and scope of activities, especially advising the Under Secretary to better understand and predict changes in the Earth's environment.

### **Is NOAA interested in this topic? If so, who from NOAA expressed interest?**

These topics have been discussed with the leadership of the Climate Program Office and members of the NOAA Climate Team. They also come up frequently in NOAA's Weather, Water, Climate Board meetings.