



## SCIENCE ADVISORY BOARD

September 30, 2022

Dr. Richard W. Spinrad  
Under Secretary of Commerce for Oceans and  
Atmosphere & NOAA Administrator  
Herbert C. Hoover Building, Room 6811  
14th Street & Constitution Avenue, NW  
Washington, DC 20230

Dear Dr. Spinrad:

***Subject: Transmittal of Environmental Information Services Working Group (EISWG) Report Concerning the NOAA Report to Congress: Subseasonal and Seasonal (S2S) Forecast Innovation***

On behalf of the NOAA Science Advisory Board (SAB), I am pleased to transmit to you the SAB Environmental Information Services Working Group (EISWG) Report Concerning the NOAA *Report to Congress: Subseasonal and Seasonal (S2S) Forecast Innovation*. The EISWG presented this report to the SAB on August 11, 2022, and the SAB approved it at its August 30-31, 2022 meeting. The review was conducted by the SAB's Environmental Information Services Working Group (EISWG), in consultation with external subject matter experts and NOAA experts, to include members of the SAB Climate Working Group. NOAA is charged with addressing Subseasonal and Seasonal Forecasting Innovation under the Weather Research and Forecasting Innovation Act of 2017 (Weather Act), Title II Section 201, and EISWG provided its review under its mandate in the Weather Act, Title IV Section 401.

The review concluded that NOAA was responsive to the Congressional tasking and sufficiently addressed the specific information requested. It provided eight Summary Recommendations and thirteen Specific Review Results Recommendations. The Summary Recommendations included making the NOAA S2S Report Supplement publicly available, standardizing S2S definitions and terminology, developing S2S strategic goals, highlighting S2S as an Earth System effort, and encouraging interagency and international collaboration. The report also emphasized the need to further integrate social and behavioral sciences in the development of S2S products and services for specific stakeholder categories, and to develop means to consistently measure and assess stakeholder value.

The review report, as well as SAB members present at the meeting, emphasized the growing demand for S2S forecasts to be used by decision-makers at every level of government and the private sector. Recent subseasonal and seasonal extremes have amplified the importance of these products. The review notes

programs and plans described in the NOAA report provide an excellent framework to continue advancing S2S forecast products and decision-support services.

The SAB encourages NOAA to utilize the SAB and its expertise to help move these plans forward where appropriate. Please let me know if you have any questions, comments or concerns, or if the SAB can be of further assistance.

Very Respectfully,

A handwritten signature in blue ink that reads "John R. Kreider". The signature is fluid and cursive, with the first name being the most prominent.

John R. Kreider  
SAB Chair

Cc: Karen Hyun  
Michael Weiss  
Sarah Kapnick  
Ken Graham  
Andrea Bleistein  
Cindy Elsenheimer  
Carl Gouldman  
David Helms  
John Ten Hoeve  
Emma Kelley  
Cynthia Decker  
Brad Colman  
Scott Glenn  
Courtney Edwards  
Katherine Longmire

Attachment: EISWG Report Concerning the NOAA *Report to Congress: Subseasonal and Seasonal (S2S) Forecast Innovation*