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#### DESIGNATED FEDERAL OFFICIAL

Krisa Arzayus  
U.S. IOOS Office  
1315 East-West Highway  
Second Floor  
Silver Spring, MD 20910  
(240) 533-9444



### U.S. Integrated Ocean Observing System Advisory Committee

May 19, 2022

Dr. Bauke Houtman, NSF  
Dr. David Legler, NOAA  
Dr. Laura Lorenzoni, NASA  
Deerin Babb-Brott, OSTP

Dear IOOC Co-chairs:

The IOOS Advisory Committee met May 11 and 13 to receive briefings and begin developing recommendations on the IOOS contribution to NOAA's priority issues of climate change, the blue economy, and diversity, equity, inclusion and accessibility (DEIA).

Detecting the climate signal was identified by the IOOS Advisory Committee last year as a priority issue, and one for which IOOS, with its network of eleven regional coastal observing system and 17 federal agencies, is uniquely positioned to help the country to monitor the coastal climate signal and its impacts on the ecosystem and stakeholders. While climate is changing globally, how it manifests varies greatly region to region. The IOOS Association formed a working group in the summer of 2021 to explore this issue in more depth and developed a short white paper "Detecting the Coastal Climate Signal: The IOOS Contribution." Since then, the Association has been sponsoring Webinar Dialogs to further explore how IOOS can partner with other programs to address these critical needs.

One time-sensitive issue we would like to bring to your attention is a proposal submitted to the US CLIVAR program by the IOOS Association to host a coastal climate signal workshop. The objective of this workshop is to develop a national implementation plan for the co-design and optimization of observing systems for improving the detection of the coastal climate signal that integrate knowledge, data, and approaches. The workshop will foster collaborations between the climate science, operational oceanographic, and research communities to improve the management and mitigation of coastal vulnerability to both event-driven and long-term impacts of climate change and connections to stakeholders. One of the outcomes of the workshop will be the launch of a Coastal Climate Task Force for the IOOC.

The IOOS Advisory Committee believes this workshop is a critical next step to furthering our nation's ability to understand, monitor and adapt to a rapidly changing ocean. The workshop will build from previous efforts, including several US CLIVAR workshops, and will provide a plan of action that can guide decisions at the national, regional and local level. We hope you can express your support for the workshop to the US CLIVAR program and encourage this proposal moving forward.

Sincerely,

Scott Rayder, Chair  
Sara Graves, Vice Chair