



Supporting the Blue Economy - SECOORA 2018 Annual Meeting

SECOORA Principal Investigator Abstracts

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Porting a prototype operational ocean prediction system to a cloud-computing infrastructure

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The effort supports [NOAA's Total Water Initiative](#), which calls for a boundary-spanning partnership across multiple sectors to predict and deliver water information to meet the needs of the 21st century. The project team, comprised of RPS/ASA, NOAA National Ocean Service (NOS) water team, and NOS leadership, is working to port a prototype operational ocean prediction system to Amazon Web Services' (AWS) cloud computing infrastructure.

Specific project goals include:

- 1) Hosting a project team meeting with NOS and RPS/ASA to discuss expectations for cross-NOS collaboration and reporting (completed on September 13-14, 2017).
- 2) Collaborating with the cyber infrastructure team at RPS/ASA to explore the utility of AWS cloud-computing infrastructure in coastal ocean modeling (ongoing).
- 3) Documenting procedures and lessons learned in porting a prototype operational ocean prediction system to AWS cloud-computing infrastructure (ongoing).