

U.S. Interagency Ocean Acidification Planning

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FOARAM Act

- *Subtitle D – Federal Ocean Acidification Research and Monitoring Act of 2009*
- ***SEC 12401.SHORT TITLE***
 - *This subtitle may be cited as “Federal Ocean Acidification Research and Monitoring Act of 2009” or the “FOARAM Act”.*
- ***SEC 12402.PURPOSE***
 - *(a) Purposes – The purposes of this subtitle are to provide for –*
 - *(1) development and coordination of the **comprehensive interagency plan** to–*
 - *(A) monitor and conduct research on the processes and consequences of ocean acidification on marine organisms and ecosystems; and*
 - *(B) establish an interagency research and monitoring program on ocean acidification;*
 - *(2) establishment of an **ocean acidification program** within the National Oceanic and Atmospheric Administration;*
 - *(3) assessment and consideration of **regional and national ecosystem and socioeconomic impacts** of increased ocean acidification; and*
 - *(4) **research adaptation strategies and techniques for effectively conserving marine ecosystems** as they cope with increased ocean acidification.*

Interagency Working Group on Ocean Acidification (IWG-OA)

- Ned Cyr, NOAA (Chair)
- Libby Jewett, NOAA
- Richard Feely, NOAA
- Chris Sabine, NOAA
- Kenric Osgood, NOAA
- Phil Taylor, NSF (Vice-Chair)
- Priscilla Viana, NSF
- Paula Bontempi, NASA
- Chris Moore, EPA
- Erin Seney, NOAA
- Bill Fisher, EPA
- Jennie Dean, Navy
- Mary Boatman, BOEMRE
- Lisa Robbins, USGS
- Bret Wolfe, USFWS
- Adriana Muir, DOS

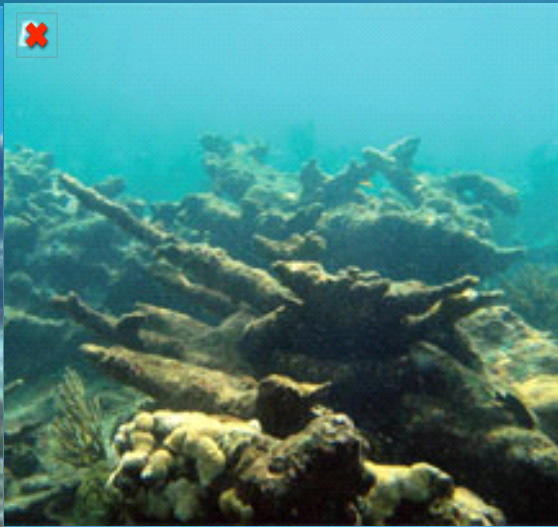


Major Tasks for the IWG-OA (from FOARAM Act)

- “Strategic Plan for Federal Research and Monitoring” on ocean acidification
- Reports to Congress on OA activities
- Facilitate input, communication and outreach among the relevant research communities and agencies, including designation of an OA information exchange
- Facilitate international coordination of OA activities

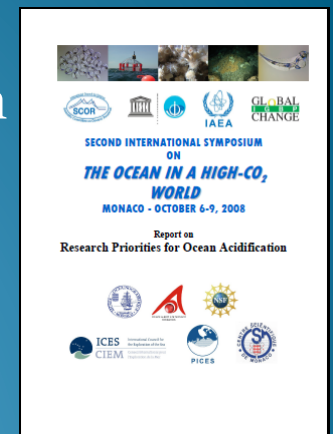
IWG-OA Activities

- Produced an initial IWG-OA Report to Congress on Federal agency activities (delivered March 2010)
- Developed a draft Strategic Plan for Federal Research and Monitoring (due April 2011)



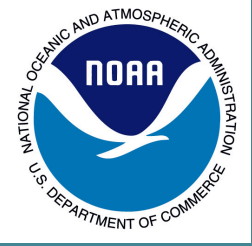
Strategic Plan for Federal Research and Monitoring

- Establishes 10-yr goals and priorities for federal OA research
- Describes federal agencies':
 - roles
 - Budget requirements
- Considers reports from agencies, NRC, ORRAP
OA Task Force, other entities
- Recommendations for international coordination
- Identifies and prioritizes existing and required observing systems for OA and its impacts
- Includes an outreach and data exchange program with stakeholders
- Describes specific activities to be undertaken in 7 themes



Themes

- **Theme 1:** Monitoring of Ocean Chemistry and Biological Impacts
- **Theme 2:** Research to Understand Responses to Ocean Acidification
- **Theme 3:** Modeling to Predict Changes in the Ocean Carbon Cycle and Impacts on Marine Ecosystems and Organisms
- **Theme 4:** Technology Development and Standardization of Measurements
- **Theme 5:** Assessment of Socioeconomic Impacts and Development of Strategies to Conserve Marine Organisms and Ecosystems
- **Theme 6:** Education, Outreach, and Engagement Strategy on Ocean Acidification
- **Theme 7:** Data Management, Integration, and Synthesis



National Program Office

- Develop a detailed implementation plan with community input
- Establish a national OA steering committee to help identify needed research, monitoring, education, etc
- Coordinate, help plan Federal and federally-funded OA research and monitoring activities.
- Act as a Federal nexus for State, local, and private sector partners.
- Coordinate U.S. research and monitoring with international activities.
- Establish OA information exchange
- Support workshops, advisory group meetings, etc
- Develop a comprehensive data management plan.

Next steps

NRC and public review
Submission to Congress
Stand up national OA program/office
Implementation

