

Joint Planning

3Cs: Enhanced Communication, Coordination and Collaboration: Ocean Acidification, Extreme Events, Ecological Forecasting

Topic #1: Ocean Acidification

Tools for implementing initiatives:

- Webinars
- Teleconferences
- Strategy sessions
- Working groups
- Side meetings at other meetings
- Professional conferences
- Informal communications
- Funding opportunities (e.g., FFO, private foundations)

Statement of issue: Ocean acidification has become a growing issue in the past 5 years in the coastal U.S., with a new national program requiring more observations, research, and interaction with impacted stakeholders.

Goal of initiative: Develop a vision and plan for leveraging and integrating regional OA activities (observing, modeling, data products and outreach) with the national program to create a more robust national program.

Proposed Outcome: A robust national OA program that incorporate IOOS RA assets and capabilities, enhances regional OA monitoring, and synchronizes regional OA outreach and data products with national products.

Key points of contact: Jan Newton (NANOOS), Ru Morrison (NERACOOS), Molly McCammon (AOOS), Gabrielle Canonico (IOOS), Libby Jewett (NOAA OA Program), others?

Suggested calendar of events:

Nov. 7 2013: IOOS regional mtg, share regional activities (including LOIs submitted to OA FFO) at west coast/east coast breakouts. Note any outcomes from CERF conference.

Dec-March: Collaborate on regional OA website pages to develop common look & feel & approach to date. Identify ways to visualize data for stakeholders. Work with NOAA IOOS office (Jennie Lyons) and others (Ocean Conservancy) on OA messaging.

Jan. 2014: Host IOOS webinar to discuss future plans for national program & areas for regional intersection, including messaging, outreach, and additional OA moorings.

Feb: Ocean Sciences 2014 - Strategy session with those involved.

Feb: Conduct education/outreach activities in conjunction with release of new U.S. National Climate Assessment

March: Report on effort at IOOS mtg; identify plans for upcoming year with Libby Jewett.

April: Molly & Jeremy Mathis do something at Arctic Observing Summit in Finland

April - RAs include OA information on their website

References:

National OA Plan: <http://oceanacidification.noaa.gov/AboutUs/OAResearchPlan.aspx>

**3Cs: Enhanced Communication, Coordination and Collaboration:
Topic #2: Extreme events**

Statement of issue: Extreme events occur throughout our nation, although they are manifested differently in each region (e.g., southeast & gulf: hurricanes; Alaska: tropical cyclones w/storm surge & coastal erosion; west coast: Great Lakes: The RAs have capabilities and capacity to support our federal, state and local partners. Examples of these activities include:

1. Provision of marine weather data
2. Inundation modeling, nowcasts and forecasts
3. Capability to deploy observation assets, i.e. gliders or hf radar
4. Site-specific inundation tools

Goals of initiative:

1. Understand and highlight RA capabilities in regions w/interest
2. Improve interface with federal and state responders (FEMA, NOAA, emergency managers)
3. Identify focus area, demonstrate RA capability, determine common products that could be shared among regions and with national programs including Storm Surge Roadmap.

Proposed Outcomes:

1. Spreadsheet/one pager of RA capabilities
2. Specific focus within this topic area identified.
3. Planned communication & collaboration activities between national and regional efforts.

Key points of contact: Debra Hernandez, SECOORA, Gerhard Kuska, MARACOOS, Becky Baltes, IOOS office, _____, NCEP and NWS, Ashley Chappell, NOAA Integrated Mapping Program, _____SURA Modeling Testbed, Jesse Sehen, NOAA Storm Surge Roadmap

Suggested calendar of events

Nov 7 2013: IOOS regional mtg discussion & CERF conference

December - Hold webinar/conference call with key players to understand where we stand on extreme events for IOOS with goal to develop systematic approach for enabling IOOS RA contributions to these initiatives. Identify focus area (e.g., storm surge? Subsurface monitoring?) Review Jesse Sehen/s Storm Surge Roadmap.

Feb 2014: Ocean Sciences – strategy session for those attending.

March 2014: IOOS RA mtg - Update & get input from regions.

Funding Opportunities: marine sensor FFO, other?

Reference: Storm Surge Roadmap on IOOS Association website <http://www.ioosassociation.org/documents>

**3Cs: Enhanced Communication, Coordination and Collaboration:
Topic #3: Ecological Forecasting**

Statement of issue: NOAA has identified as a priority implementation of its Ecological Forecasting Roadmap. Ecological Forecasting begins with Harmful Algal Blooms, hypoxia and pathogens such as vibrio and PSP as priorities, but also includes ocean acidification forecasts, habitat & species distribution, & ultimately full-scale ecosystem responses to change. The RAs have observing assets, modeling capability (and in some cases, existing ecological models), data management expertise and stakeholder/outreach connections to assist with these efforts.

Goal(s) of initiative: Develop recommendations for IOOS RA contributions to the national Ecological Forecasting Roadmap efforts and identify potential opportunities for collaborations among regions and with national offices.

Proposed Outcome for FY 14: A strategy for enhancing national and IOOS regional communication and collaboration for ecological forecasting and recommended actions for FY 15.

Key points of contact: Molly McCammon, AOOS, Debra Hernandez, SECOORA, Gabrielle Canonico, IOOS office, Allison Allen, NOAA NOS

Funding opportunities: Marine Sensor FFO
Biodiversity Observing Network FFO
??

Suggested calendar of events

Nov. 7: IOOS regional meeting; CERF conference - initiate discussion & identify regional topics of interest, points of contact and members of small working group.

Jan: Webinar for working group highlighting national operational products & regional experimental products for topic of most interest to regions (HABs, hypoxia or pathogens), with dialogue on possible collaborations with national initiatives and among IOOS regions.

Feb: Ocean Sciences 2014 - Further discussions among working group members attending.

March 2014: IOOS mtg – update on progress, seek input.

April: Working group discussions

May: Working group discussions

June: Draft strategy and FY 15 recommendations

References:

Ecological Forecasting Roadmap on IOOS Association website <http://www.ioosassociation.org/documents>