

# **IOOS Regional Build Out Workshop**

November 16 & 17, 2011

Gulf of Maine Research Institute, 350 Commercial St. Portland ME

## Goal of the Workshop:

- To develop the vision for the regional components of US IOOS based on the 11 regional build out plans.

## Objectives:

- To discuss the elements of a synthesis of the 11 regional build out plans, including the identification of commonalities among regions and understand regional differences;
- To come to agreement about the content and purpose of the synthesis document;
- To define the products and services to be included in the synthesis
- To define the observing system required at the regional scale by identifying and quantifying the system elements required to deliver products and services;
- To learn from one another about the rationale and assumptions behind the system plans; and
- To identify required further actions and recommendations.

Attendees: Representatives from IOOS RAs, IOOS Program Office, and IOOC members

## Background materials:

- Explanation of spreadsheets and common products and platforms
- Synthesis spreadsheets
  - Part 1 Products/Services
  - Part 2 Subsystem elements(observing, models, DMAC, education, governance, R&D)
- Common products/services by theme
- Common platforms and models

## **Agenda**

### **Wednesday, November 16**

- |      |  |                                  |
|------|--|----------------------------------|
| 8:30 | Plenary: Introductions, purpose of workshop  | Molly McCammon                   |
| 8:40 | Update on IOOC   | Eric Lindstrom and Bob Hautman   |
| 9:30 | IOOS Program Office Perspective  | Suzanne Skelley                  |
| 9:45 | Regional commonalities, regional differences: Approach to synthesis and what the initial review reveals. | Holly Price and Leslie Rosenfeld |

10:15 Break

10:30 Session #1: Purpose and Outcome of the Synthesis      Josie Quintrell

10:45 Session #2: Products and Services: Marine Operations and Coastal Hazards  
Facilitator: Ru Morrison

10:45 Overview Presentation on Common Products      Holly Price

11:00 Discussion (15 min each)

1. Identify commonalities across regions not already identified above
2. Discussion other of key regional differences and new/innovative products not covered above that should be considered
3. Describe the end-to-end system requirements to deliver products
4. Identification of follow up actions that are required to complete the synthesis document and/or to move the system forward.

12:00 Summary of discussion, key points

12:15 Lunch

1:15 Session #3: Products and Services: Climate and Ecosystems, Fisheries and Water Quality

Facilitator: Jan Newton

1:15 Overview Presentation on Common Products      Holly Price

1:30 Discussion (15 minutes each)

1. Identify commonalities across regions not already identified above
2. Discussion other of key regional differences and new/innovative products not covered above that should be considered
3. Describe the end-to-end system requirement to deliver products
4. Identification of follow up actions that are required to complete the synthesis document and/or to move the system forward.

2:30 Summary of discussion, key points

2:45 BREAK

3:00 Session #4: The Observing System. Setting the Stage      Leslie Rosenfeld

3:15 Session #5: Fixed Platforms      Facilitator: Harvey Seim

3:15 Overview Presentation on Common Platforms      Leslie Rosenfeld

3:30 Discussion:

1. Identification of the commonalities not identified above
2. Discussion of other new/innovative platforms/sensors that should be included or discussed in the national synthesis
3. Discussion on the key differences among the regional approaches, including the rationale and/or assumptions for the differences in platform types and numbers identified by the various RAs.

- 4. Agreement on how the synthesis document should address quantifying platforms.
- 5. Identification of follow up actions that are required to complete the synthesis document and/or to move the system forward.
- 5:00 Summary of Fixed Platform Discussion
- 5:30 Break / Dinner (provided on site, cash bar)
- 6:30 Interlude: The Northeast Region Ru Morrison
- 6:45 Session # 6: Discussion of other system elements  
Charges to the breakout groups: 1) What are commonalities and differences?  
2) What should synthesis say about these topics?  
  
Group #1: Product Development/Education and Training  
  
Group #2: Research and Development/Governance and Management
- 7:30 Brief recap of group discussion
- 8:00 Adjourn

**Thursday, November 17**

- 9:00 Plenary: Recap of Previous Day, Charge for the Day Molly McCammon
- 9:10 Session #7: Mobile Platforms Josh Kohut
- 9:10 Overview Presentation on Common Platforms Leslie Rosenfeld
- 9:20 Discussion:
  - 1. Identification of the commonalities not identified above
  - 2. Discussion of other new/innovative platforms/sensors that should be included or discussed in the national synthesis
  - 3. Discussion on the key differences among the regional approaches, including the rationale and/or drivers for the differences in platform types and numbers identified by the various RAs.
  - 4. Agreement on how the synthesis document should address quantifying platforms.
  - 5. Identification of follow up actions that are required to complete the synthesis document and/or to move the system forward.
- 10:15 Summary of Mobile Platform Discussion
- 10:30 Break
- 10:45 Session #8: Models Ru Morrison
- 10:45 Overview Presentation on Models Leslie Rosenfeld
- 11:00 Discussion

1. Identification on the commonalities among modeling efforts in regions
  2. Discussion on what the role of the RAs should be in regional modeling, including involvement in research and development, operations, and partnering with other organizations
  3. Identification of potential synergies among regional modeling efforts
  4. Discussion on the relationship between regional and national modeling efforts
  5. Agreement on how models should be addressed in the synthesis document
  6. Identification of follow up actions that are required to complete the synthesis document and/or to move the system forward.
- 12:00 Summary of Discussion

12:30 Lunch

- 1:30 Session # 9: Pulling it Together Molly McCammon and Harvey Seim
1. Summary of major conclusions of the discussion
  2. Discussion of remaining key issues
  3. Next steps
    - a. Required actions for the completion of the document
      - i. Writing/expert teams to dig deeper into certain issues
      - ii. Other?
    - b. Other recommended actions
  4. Timeline for review, revisions and completing document

2:30 Break

- 2:45 Informal Concluding Remarks
- IOOS Program Office: Looking Ahead      Suzanne Skelley
  - IOOC Reactions      Eric Lindstrom, Bob Hautman
  - NFRA Reactions      Ru Morrison
  - Other Reactions

4:00 Adjourn

4:15 Short Steering Committee meets to discuss next steps

5:00 Steering Committee adjourns