This workshop is sponsored by COSEE Networked Ocean World and NSF
**Proposed Visualization Challenges**

1) *Global Change in Local Habitats* – The effects of global climate change will have widespread implications on local habitats. For example, sea grass beds and marshlands serve as prime nurseries for numerous species but as sea level rises these habitats will be lost. (Hannah & David)

2) *Impacts of Coastal Storms* – Storms and hurricanes can cause tremendous damage on land, but they also greatly affect ocean habitats. Sea level, coastal currents and satellite data can be used to show the impacts these storms have on both human and marine environments. (Dan & Sage)

3) *Harmful Blooms and Beach Closures* – Harmful algal blooms and poor water quality are responsible for increasing illnesses among coastal residents. Monitoring these conditions and helping people make choices to abate or avoid these hazardous situations is a pressing concern. (Laura)

4) *Ecosystem-based Fisheries Management* – A tremendous effort is now underway to use OOS data to help understand, monitor and protect marine ecosystems. For example, fisheries researchers in Alaska and New York are using ocean currents (from radars and ADCPs) and vertical profiles of water column properties to better understand the transport and fate of fish larvae. This new information will help policy makers better manage fish stocks. (Ned)

**The Visual Storytelling Process**

Each group will present its work to the full group as material for future dialogue. This initial charrette will serve as a way of quickly generating possible design solutions while engaging the aptitudes and interests of a diverse group of people. The ultimate goal of this exercise is to familiarize participants with the design process demonstrated during this charrette and how participants can play a role in developing storyboards to tell visual stories. Other discussion areas include: How can participants take this process back to their organization (RA, RCOOS, etc.)? What part can participants play in this process, and how can they take a leadership role in their design teams? How can resources be identified (i.e. data experts in federal agencies and other institutions charged with helping IOOS)?

**5:30 pm First Day Reflection and Wrap Up**

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**Friday, January 9, 2009**

**8:00 am Continental Breakfast**

**8:30 am Welcome Back and Round Table Discussion**

Our second day will start off with reflections and questions on the previous day’s work (facilitated by Janice McDonnell and Josie Quintrell). Followed by an idea sharing session consisting of informal presentations (about 5 minutes, no power point slides) on education and outreach activities in the RAs and the NOAA IOOS Office. Discussion topics include: products you have developed, plans you have for the future, ideas or topics to discuss with other outreach coordinators, or ideas for collaboration.

**10:00 Break**

**10:15 Discussion on Possible Collaborative Projects**

This workshop is only the first step. Are there joint projects people are interested in pursuing (such as funding opportunities for the outcomes of this workshop, developing an ocean observing kiosk for the Smithsonian’s Ocean Hall, etc.)?

**10:45 am Next Steps**

This workshop is the starting point a new community of collaborators who can continue to work together to develop engaging stories and visualizations for OOS.

- January strategic communication phone/web conferences (Janice McDonnell)
- Building an online community of OOS scientists and educators (Sage Lichtenwalner)
- OOS Science in the Media (Ari Shapiro, WHOI)
- What can we do to keep our momentum going as a community of scientists and educators in OOS? (Chris Parsons)

**12:00 pm Workshop Wrap Up**

**12:30 pm Informal Tours of the “Science on a Sphere” and “Ocean Today Kiosk”**

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