

OOSC Recommendations

May 16, 2012

Recommendation

- Provide Early Career Scientist Opportunities
- Climate Studies - Sampling rate to Climate Studies: organize a workshop that brings climate scientists and modelers together to address this issue and provide recommendations on the sampling requirements and rates.
- Data Management programs - So engage the current cyberinfrastructure - HOTS, BATS, Neptune, ARGO
- Explore the feasibility of performing a full system test (one year) of a Global Array in a location near the US for accessibility if the need for repair arises. Additionally, the first deployment of a Global Array should not be in the Southern Ocean.

Recommendations

- A Cooperative Approach to Science Research at Pioneer Array
- Consider an approach for collaborative science planning for use of the Pioneer Array that will optimize its use for its planned 5 year deployment period.
- OOSC recommends that NSF draft and distribute a “Dear Colleague” letter announcing the opportunity to submit proposals for science use of OOI. Timeline- ASAP.
- Expand external community involvement in OOI design reviews.
- The glider operations should have a recompetete clause.
- The framework for relocation of the Pioneer Array should be developed now.

Recommendation

- Data Quality - Insure that data quality is of highest priority. User community confidence in data quality is critical. Engage data

Recommendation: Hold Science Workshops (2 per year)

- Organized through UNOLS and OOSC with OOI collaboration
- Engage the broader community
- Participation by other UNOLS Committees
- Incorporate an early career/student component (poster sessions, etc
- Identify Workshop Theme (s) by (refer to OOI science plan)
- Participation by other existing ocean observing systems - HOTS, BATS, MARS, etc
- First Workshop - tied to Coastal - Gliders

Science Workshop

- Theme - Coastal Ocean Dynamics and Ecosystems
- Identify champions/steering committee - Jim Nelson
- Multidisciplinary
- Facilitator - “Knowledge Innovation”
- Location - marine lab, West Coast
- Organization support - UNOLS Office
- Hands-on Demos - Glider Data
- Linking the OOI Infrastructure to science and other applications

Science Workshop

- Participation by Data groups: NODC, NOAA Fisheries
- Speed Dating Model - provide participant introductions.
- Goals
 - Excite them about the capabilities of OOI
 - Team building - Foster science user collaborations/partnerships

Brainstorming:

- Make software tools that make it easy to download the OOI data
- How can OOI data be used for alternate communities - fisheries.
- Provide berths on ships servicing OOI. Application process Coordinated through OOSC
- Critical = water sampling during the cruises that install the OOI infrastructure is essential - Calibration
- Provide infrastructure for additional sensors.
- Website for proposal prep - details of how to use OOI (example - MARS)

Brainstorming

- Provide funds for young investigators
- Evaluate Neptune Program - lessons learned
- Science PM for ocean observing assets at NSF - maybe part time
- Create vision of NSF and US ocean observing assets and how we use them.
- Webinar - broadly announce
- Dear Colleague letter - announce the proposal process

Brainstorming

- Chief scientist training program
- Community science workshop that highlights the exciting science that is going on in other observatories
- Grad student funding for using the infrastructure
- There is going to be a way of engaging non-operator, non-construction folks.
- Re-compete Pioneer Array

Brainstorming

- NUDE or Noodle - a “Year for Ocean Observing”
Tie the commissioning to a big event.
- NPR - Earth and Sky segment. A couple minute segment on ocean observing.
 - Radio Lab WNYC
- A better avenue for getting user groups active and engaged.
- Outreach mechanisms that reach all generations.

Action Items

- Review OOI User Access Screen Designs
- Review Irminger Sea project paper and provide recommendation on whether or not to deploy a partial Global Array.
- OOSC webpage with a brief description of what OOSC is