



Center for Earth

Observations and Applications



CEOA and ORION RFA

2:00 Introduction of CEOA and ORION RFA (*John Orcutt*)

2:20 SDSC Cyberinfrastructure for Observing Systems (*Ilkay Altintas*)

2:30 LOOKING (and ROADNet) (*Tony Fountain*)

2:40 ROADNet (*Frank Vernon*)

2:50 HiSeasNet (*Jon Berger*)

3:00 Visualization at SIO (*Atul Nayak*)

3:10 Open Discussion on collaboration



Center for Earth Observations and Applications

- Spring, 2005 - UCSD Chancellor Fox commits five years of start-up funding.
- CEOA is based at SIO and directed by John Orcutt.
- The **mission** of the CEOA is to:
 - *stimulate, support, coordinate, and sustain large UCSD activities in Earth observations, and*
 - *facilitate relationships with outside organizations.*
- Inaugural symposium 20-22 November 2005: *Science & Technology in Global Earth Observing System of Systems: The Roles of Universities*
- For more information about CEOA please visit ceoa.ucsd.edu



Request for Assistance (RFA) Proposals

ORION Design &
Implementation
27-30 March '06
SLC

- 53 Letters of intent with 48 full proposals
- 550 investigators and participants
- 130 separate research and educational inst.
- NSF review panel met two weeks ago
 - *Evaluate and prioritize - acoustic thermometry received the greatest interest*
- Will be used to lead development of preliminary design



ORION OOI Timeline

Possible Independent Operators (IO):

*Regional Cabled
Observatories

*Global Observatories

*East Coast and West Coast
coastal observatories

*Cyberinfrastructure

Activity	Start	Finish
Draft RFP for IO	8/15/05	9/30/05
JOI Board	10/3/05	
ESC	10/17/05	
Release RFP	11/1/05	
Preparation of responses	11/1/05	3/3/06
Evaluation Committee	3/6/06	3/31/06
Eval Committee meets	4/3/06	
Results to ORION Office	4/10/06	
JOI and NSF approve	4/10/06	4/21/06
Awards announced	5/1/06	
Contract negotiated by JOI	5/1/06	5/31/06
IO's hire staff	5/1/06	7/31/06
IO's assist in PEP	6/1/06	9/29/06
IO's hold Concept Design Reviews	11/15/06	
IO's finalize scope of work and develop procurement plans for construction	6/1/06	1/26/07
IO's hold Preliminary Design Reviews	6/1/07	
IO's finalize design requirements and develop procurement RFP's	1/29/07	9/28/07
IO's issue procurement RFP's	10/15/07	

OOI = Ocean Observatories Initiative
IO = Independent Operators
PEP = Program Execution Plan



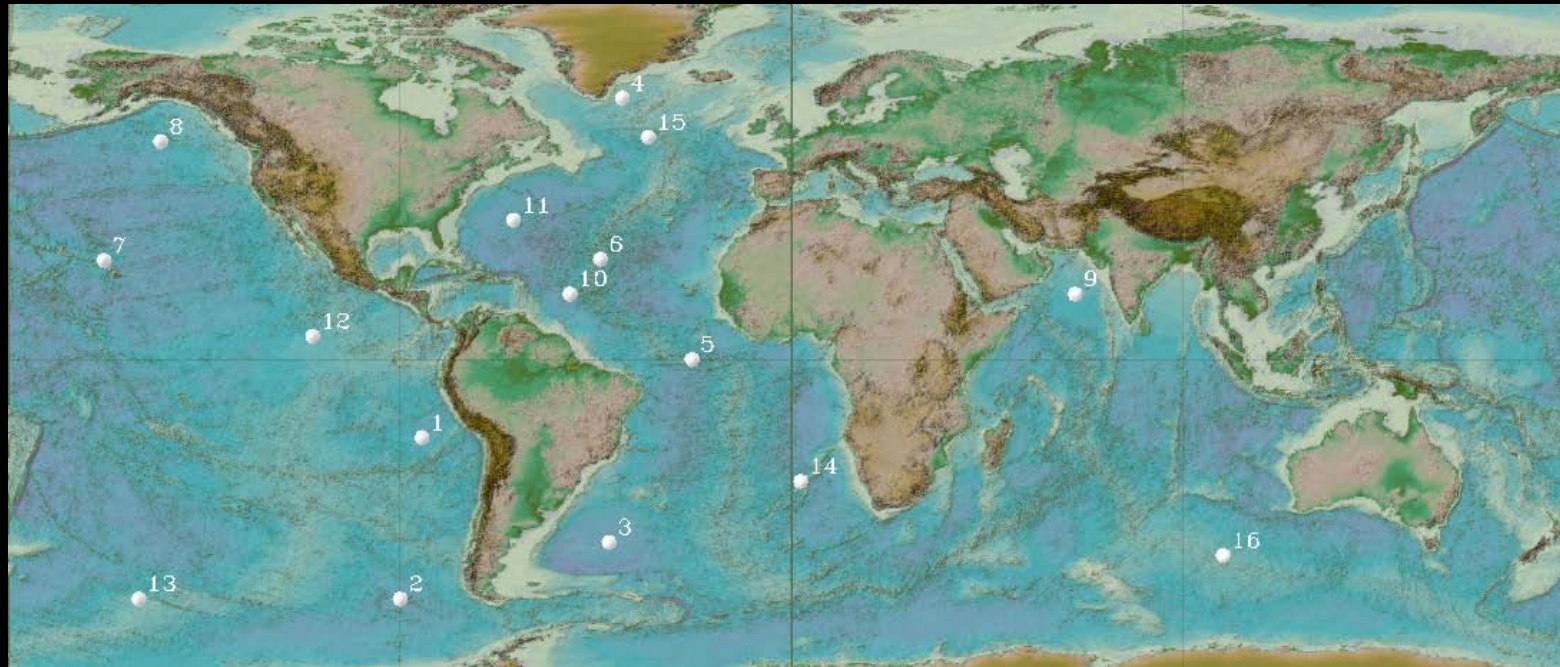
Post Appropriation Tasks

Activity	Start	Finish
PEP Review ed	11/13/06	12/8/06
PEP revised and construction proposal to NSF	12/11/06	2/16/07
Construction proposal submitted to NSF	2/16/07	
Construction proposal review ed	2/19/07	4/13/07
Revisions to construction proposal	4/16/07	5/2/07
GEO review	5/2/07	
Preparing DRB package	5/3/07	6/4/07
Director's Review Board	6/4/07	
NSB material prepare d	6/4/07	7/2/07
NSB mailout	7/2/07	
NSB meeting to approve	8/9/07	
Award and negotiation with NSF	8/13/07	9/28/07

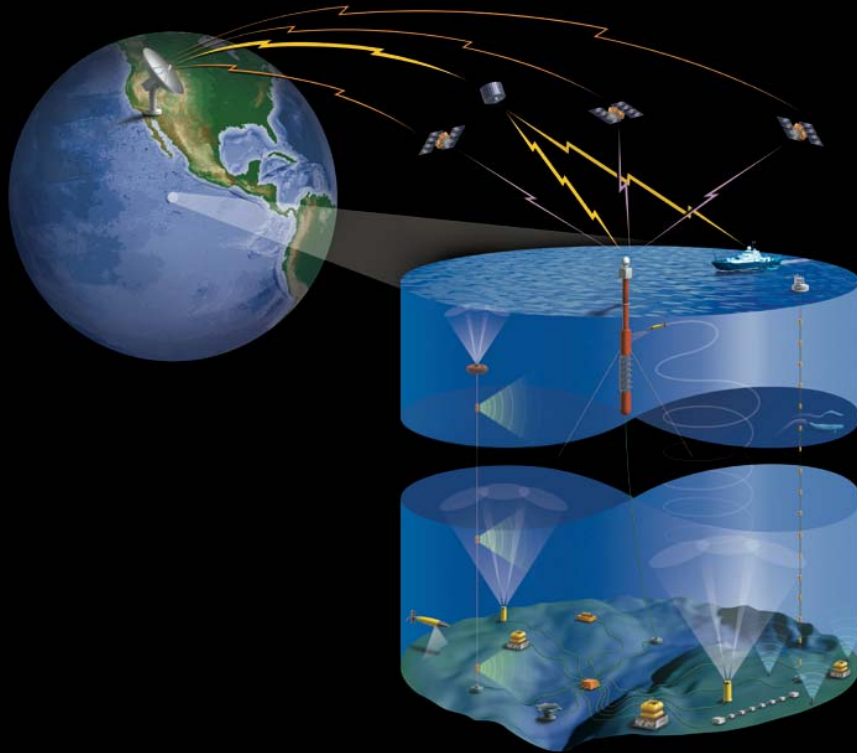
DRB = Director's Review Board (NSF)
NSB = National Science Board



Prioritized ORION Global Sites, 1-16



Spar Design - High Bandwidth, SF Power



Discus Buoy - Low BW, no SF Power/Telemetry



Questions?



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Current CEOA Activities

- Conducting an extensive survey of UCSD/SIO faculty and staff to ensure that CEOA meets their needs;
- Exploring the possibility of developing an SIO/UCSD engineer and technical personnel pool to promote the availability of specialized and high-end engineering capability;
- Coordinating a symposium titled: ***Science & Technology in Global Earth Observing System of Systems: The Roles of Universities***
- Providing support for proposal preparation and cost sharing; and
- Creating a lecture series designed to enhance staff understanding of the research being conducted on campus.



For more information about CEOA please visit ceoa.ucsd.edu.



Center for Earth Observations and Applications

- CEOA will provide an **integrating vision** for work across the spectrum of natural, physical, and social sciences, engineering, and information technology related to **Earth observations and applications**.
- As the science of Earth observations moves towards more **complex, integrated research** programs, it is vital to create an **infrastructure at UCSD** that provides scientists with support for pursuing funding for large-scale projects.
- The CEOA will assist scientists pursuing multidisciplinary research proposals by facilitating **administrative tasks** and assisting with **securing funding** and **collaborators**.

