

A Discussion about Cyberinfrastructure for Environmental Observing systems

December 6th and 7th, 2004

National Science Foundation, Arlington VA.



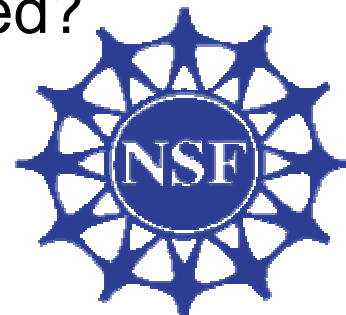
CEO Discussion Group

- Welcome
- Housekeeping
 - Quiz 1
 - Lunch choice
 - Dinner
 - Travel reimbursement
- Goals
- Introductions



CEO Discussion Group

- NEON+OOI+HOI+CLEANER_EFF = significant investment
- What sort of cyberinfrastructure is needed to maximize the ability to use EOs for research?
- What sort of cyberinfrastructure is needed to maximize access to and use of information from EOs (now & in future)?
- How should information infrastructure for EOs be designed to maximize flexibility as EOs and their uses evolve?
- How much of the necessary cyberinfrastructure do we know how to build now? Is any further research needed to develop CI for EOs?
- What should be the steps in the process by which information infrastructure for EOs is developed and implemented?
- How much of CI for EOs is independent of the EO?



CEO Discussion Group

9:15 10 minute briefings on OOI, CLEANER, HOI, NEON

- Detrick, Bonner, Maidment/Duncan, Michener

10:30 Introduction to CI topics

– Baru, Ludaescher, Welge

11:10 Observatory CI Use Cases

- L: Michener & Detrick; R: Pancake & Jones

1:30 Observatory CI Challenge 1: Networking and security

- L: Papadopoulos; R: Maidment & Sanderson

2:30 Observatory CI Challenge 2: Metadata, semantic information, and ontologies.

- L: Forsyth; R: Bonner & Ludaescher

4:00 Observatory CI Challenge 3: Resource registration, collections management and workflow

- L: Baru; R: Helly & Krishtalka

5:00 Observatory CI Challenge 4: Collaborative environments

- L: Minsker; R: Jones



CEO Discussion Group

December 7

9:00 Closing the gap between observatory needs and IT tools & approaches that span the observatories.

- L: Gray; R: Livny, Ellisman, Burch

10:45 The path forward.

- L: Michener, Sanderson, Chao, Duncan, Welge, Baru



CEO Discussion Group

Introductions



Agenda

8:45 Welcome and NSF Perspective **Dave Campbell & Sangtae Kim**

9:00 Charge/Agenda Coordinating group

9:15 **10 minute briefings on OOI, CLEANER, HOI, NEON**

10:05 Discussion

10:20-10:30 Break

10:30 **Introduction to CI topics – Baru, Ludaescher, Welge**

11:10 **Observatory CI Use Cases**

LEAD: Bill Michener & Bob Detrick, RESPONDENTS: Cherri Pancake & Matt Jones

12:30-1:30 Working Lunch

1:30 **Observatory CI Challenge 1: Networking and security**

LEAD: Phil Papadopoulos, RESPONDENTS: David Maidment & Art Sanderson

2:30 **Observatory CI Challenge 2: Metadata, semantic information, and ontologies.**

LEAD: Danielle Forsyth, RESPONDENTS: Jim Bonner & Bertram Ludaescher

3:30 Break

4:00 **Observatory CI Challenge 3: Resource registration, collections management and workflow**

LEAD: Chaitan Baru, RESPONDENTS: John Helly, Leonard Krishtalka

5:00 **Observatory CI Challenge 4: Collaborative environments**

LEAD: Barbara Minsker, RESPONDENTS: Matt Jones

5:30 Summary, what have we neglected, planning for homework.

6:00 Break for dinner (Neighboring restaurant)



"Virtual Organization" conceptual view of information infrastructure

