

CI DESIGN WORKSHOP

17-19 October 2007

WEDNESDAY, 17 OCTOBER 2007

0830 **WELCOME AND INTRODUCTIONS** *John Orcutt*

PROJECT OVERVIEW PRESENTATIONS

0845 Ocean Observatories Initiative Vision & the CI's Role
John Orcutt, Oscar Schofield

0915 Concepts of Operation: A Day in the Life of Data *Frank Vernon*

0945 Education & Public Awareness: Objectives & Plan *Cheryl Peach*

1015 **Break**

1030 Project Execution Plan *Matthew Arrott*

1100 System & Software Engineering Plan *Alan Chave*

1130 Conceptual and Deployment Architecture *Ingolf Krueger*

1200 Work Breakdown Structure *Matthew Arrott*

1230 **Lunch**

PROJECT REVIEW SESSIONS

1330 Traceability of the CI's Capability to the Science Objectives *Yi Chao*
Panel: *John Orcutt, Oscar Schofield*

1400 Traceability of the CI's Deployment Architecture to the Marine Node
Deployments *Kent Lindquist*
Panel: *Frank Vernon, Alan Chave*

1430 CI Applications & Architecture *Chaitan Baru*
Panel: *Ingolf Krueger, Matthew Arrott*

1500 **Break**

1530 System Engineering: Process and Oversight *Antony Ferlaino*
Panel: *Alan Chave, Ingolf Krueger*

1600 Project Management & Risk Mitigation Strategies *Alex Talalayevsky*
Panel: *Matthew Arrott, Alan Chave*

1630 Moderators' Assessments of Review Sessions (10 min. each) *Moderators*

1730 **EOD**

1800 **Dinner**

THURSDAY, 18 OCTOBER 2007

INTEGRATION ARCHITECTURE

The challenge of diverse "communities of use" & candidate technologies

0830 Common Operating Infrastructure *Ingolf Krueger*

0900 Interaction Patterns & Governance Framework *Munindar Singh*

0930 Policy Framework *Von Welch*

1000 **Break**

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A BASIS FOR THE ARCHITECTURAL APPROACH

The modeling of existing integrative technologies & standards

- 1015 AMQP, Erlang/OTP - A Secure, Fault-Tolerant, Scalable Communication Infrastructure
Matthias Radestock
- 1045 OASIS CPPA/ebBP - An Agreement-Based Service Participation Framework
Monica Martin, Dale Moberg
- 1115 Liberty Alliance - Core Interaction Patterns of an Identity Federation Framework
Nick Ragouzis
- 1145 Internet2 CO-Manage - A Federated Identity and Attribute Management Platform for Internet Scale Collaboration
Ken Klingenstein
- 1215 Lunch

REVIEW OF PROPOSED CI SUBSYSTEM TECHNOLOGIES

Data Management

- 1300 IRODS/SRB
Arcot Rajasekar
- 1320 ShoreSide Data System
Kevin Gomes
- 1340 BIRN & Telescience Portal
Abel Lin

Sensing & Acquisition

- 1400 ROADNet & Antelope
Kent Lindquist
- 1420 Sensors Project & PCK
Duane Edgington

Common Execution Environment

- 1440 Swift & Globus Technology Suite
Frank Siebenlist
- 1500 Break
- 1520 Virtual Workspaces
Kate Keahey

Analysis & Synthesis

- 1540 Kepler Core
Ilkay Altintas
- 1600 Meta Scheduler & Pegasus
Ewa Deelman
- 1620 Ocean Modeling Network & the Virtual Ocean
Yi Chao

Planning & Prosecution

- 1640 PLUSNet-IvP MIT (not confirmed)
Mission planning for sensorwebs
Steve Chien

Knowledge Management

- 1700 SDSC Semantic Mediation & OBIS
Chaitan Baru & Karen Stock
- 1720 MMI & OOSTeThys
John Graybeal
- 1740 EOD

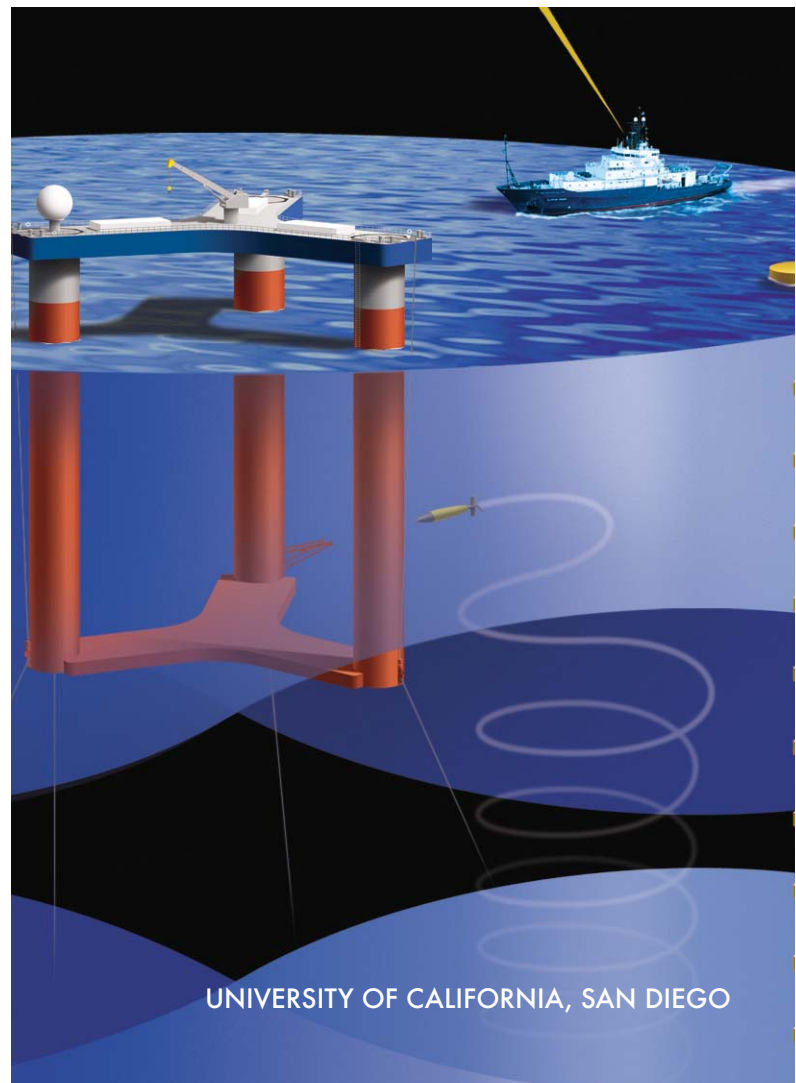
FRIDAY, 19 OCTOBER 2007

REVIEW OF CI PROJECT PLANNING

- 0830 WBS Resource Allocations & Risk Assessment
Matthew Arrott

SUBSYSTEM PLANNING ASSESSMENTS

- 0900 Common Operating Infrastructure
Ingolf Krueger
- 0900 Sensing & Acquisition
Kent Lindquist
- 0900 Analysis & Synthesis
Yi Chao
- 1000 Presentations of Assessments
Moderators
- 1030 Break
- 1100 Common Execution Environment
Kate Keahey
- 1100 Data Management
Arcot Rajasekar
- 1100 Planning & Prosecution
Steve Chien
- 1200 Presentations of Assessments
Moderators
- 1230 Adjourn



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