

EARTHCUBE COMMUNITY UPDATES

Monthly Webinar

December 19, 2013

Organized by the EarthCube Test Enterprise Governance Project



- ▶ Welcome & Introductions
- ▶ EarthCube Updates & EarthCube Solicitation Overview
- ▶ EarthCube Test Enterprise Governance
 - ▶ Advisory Committee
 - ▶ A Call for Your Participation
- ▶ Audience Q & A

AGENDA



EARTHCUBE FUNDING SOLICITATION 13-529

Amendment III Overview

Q&A

Eva Zanzerkia, NSF EarthCube Program Officer



EarthCube AGU Town Hall

The Next Stage of EarthCube—NSF perspective

What is the Goal?

A future state of geosciences cyberinfrastructure that serves the entire academic geosciences community

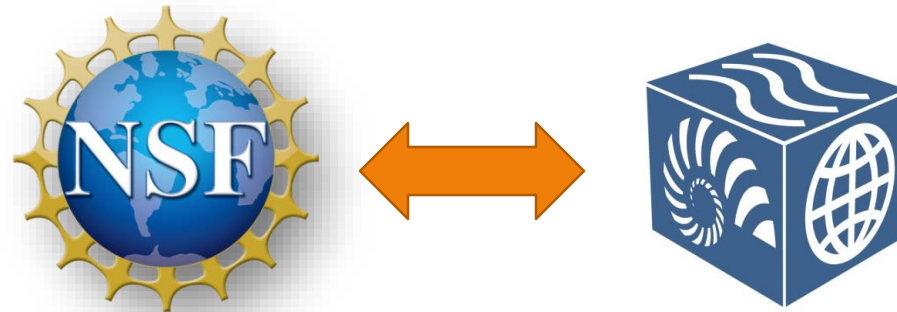
- facilitates science on the Earth System
- simple and easy access to data and information
- seamless connection to tools and services
- flexible and community-driven development





- ACADEMIC GEOSCIENTISTS
- GEO FACILITIES
- CI/SOFTWARE ENGINEERS
- AGENCIES

NSF AND COMMUNITY PARTNERSHIP





Establish A Framework for EC

Each theme connects essential components of the geosciences research landscape

Outcomes for 2013:
50 proposals

Awards:

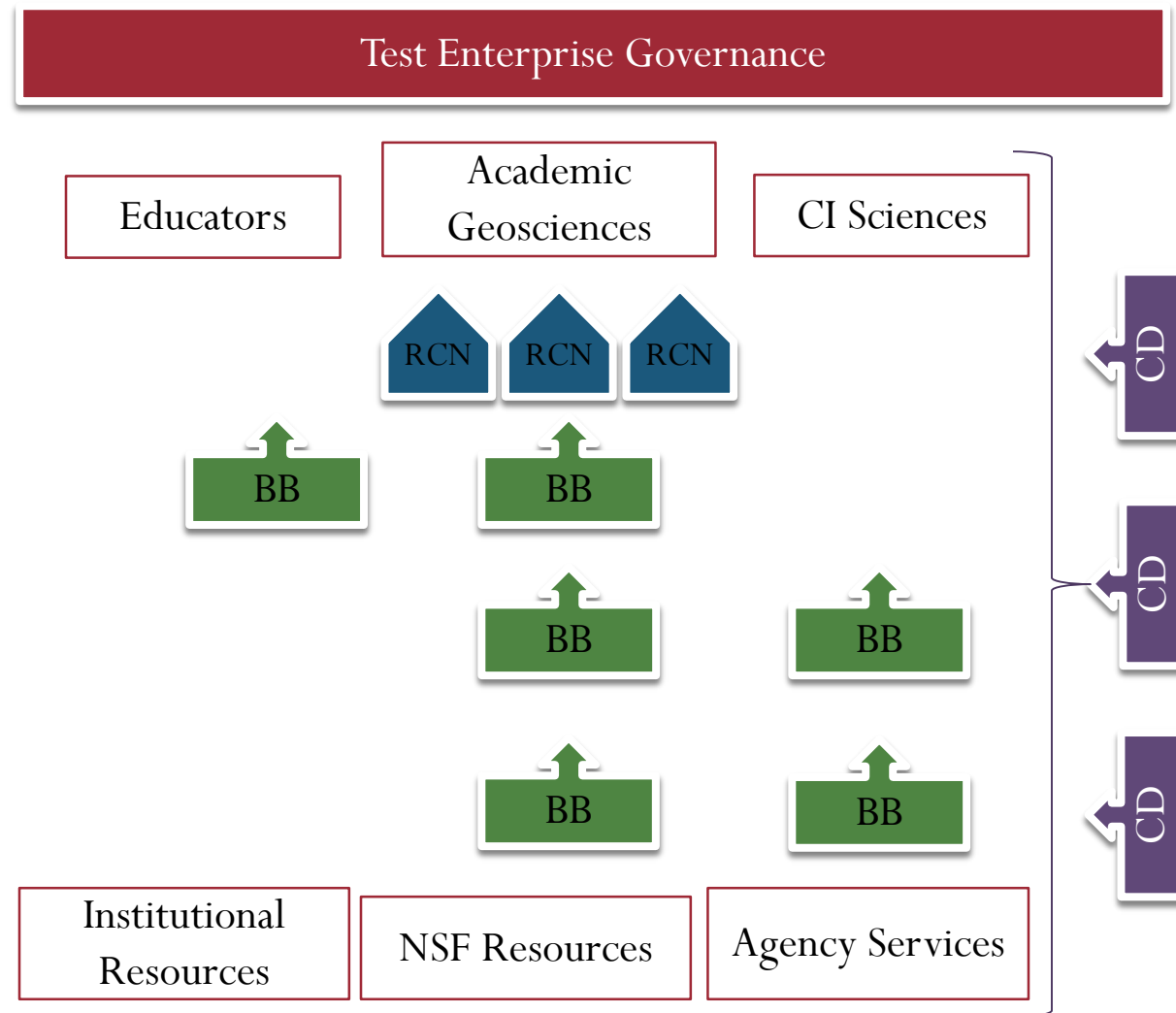
TEG: 1

RCN: 3

CD: 3

BB:9 (6 full)

\$9.75M+\$3.5M





Test Enterprise Governance Project

University of Arizona; PI: Lee Allison; significant collaboration and expertise in organization activities—ESIP; OGC; social scientists; facilitator/evaluator

Facilitation/Outreach



- Help BBs, RCNs, CDs
- Provide a web presence
- Outreach to the broader geosciences community
- Facilitation community activities
- Organize community event

Planning



- Open Process for Charter Development
 - Awardees
 - CI Facilities
 - WS Conveners
 - Geoscientists
 - Professional Societies
- Crowd-source component
- Game theory used to test models
- Multi-phase selection/review process

Demonstration



- Stand up organization
- Implement Charter
- Support 1st year function



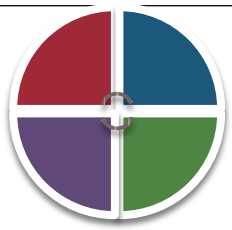
- Initial interactions between all groups
- Community meeting facilitated by TEG
- Governance Terms of Reference



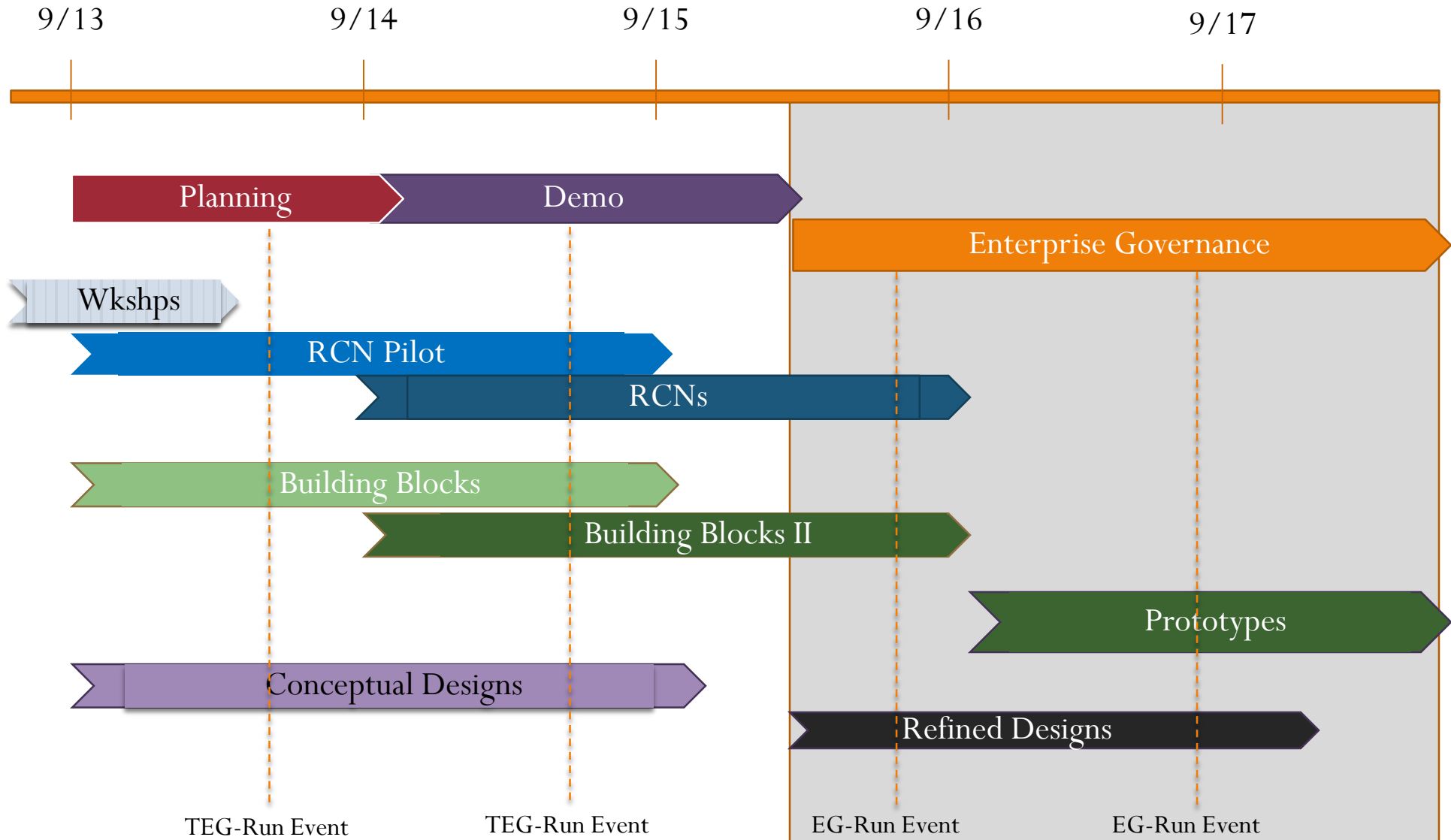
- Conceptual Design Reports
- Building Block demos
- RCN interaction
- Demo Community Assessment-> Priorities



- Design revisions
- Gaps/ Missing Pieces
- Pilots/Prototypes
- Decisions about Enterprise Governance



Timeline



2014: Amendment III

DEADLINE: 3-12-2014

- Collaborative Proposals allowed.
- Spreadsheet of collaborators/COIs still required ->submit to earthcube.nsf.gov.
- RCNs
 - capitalize on activities/ideas from workshops
 - emphasize virtual organizations
- Building Blocks
 - Opportunity to missing communities
 - Fill in some promising missing pieces using input from workshops, emerging activities
- Continued close NSF guidance for PIs/communities



Research Coordination Networks

- Planning activity for geosciences communities
 - Shared resources
 - Requirements for needed CI
 - Data/CI standards and policies
 - Not designed to build CI
- Clear deliverable in 24 mo.
- Broad representation of academic geoscientists
- Communication and Participation in EarthCube Required

Building Blocks

Objective: Develop, Integrate, and Use current CI to serve a broader segment of the geosciences

- Broad collaboration and integration of facilities/resources across the geosciences
- Demonstration of broadly applicable effective technology/techniques on a smaller set of communities

Projects Must:

- Demo utility to geosciences communities within 24 months
- Have credible links to end-users geosciences communities—not just a subset of a community
- Motivate how the solution might be broadly applied across ALL geosciences community
 - How does the approach extend and fit into “ecosystem”

What is not appropriate

- Creation of databases or domain specific resources;
- Creating resources or connecting two communities in a way that is not extensible;
- Projects that do not deeply involve the academic geosciences and their resources
- End-to-end solutions



Geoscientist
Community of geoscientists

Facilities; CI resource
CI Scientist with innovative ideas

NSF partnership will guide you to the opportunity
that matches your need/idea. EarthCube principles
will apply.



- Forum
- Existing Resources
- Connections to CI specialists

- RCNs
- Building Blocks



EarthCube Solicitation

Data

SI2

BigData

HPC

EARTHCUBE TEST ENTERPRISE GOVERNANCE

A Call For Your Participation

M. Lee Allison, University of Arizona

EarthCube Test Enterprise Governance [ECTEG] Project, PI



EARTHCUBE TEST ENTERPRISE GOVERNANCE

An agile approach to design a system that catalyzes the field and works for you

How do we bring your tools, standards, and skills into EarthCube?



Test Governance – Year 1

All
Hands
Meeting
June 24-
26, 2014

Stakeholders
(Assembly) –
governance
ideas, testing

Integrate
stakeholder
concepts -
crowdsource

Synthesize and
recommend to
NSF: Draft
charter, by-laws

Test Governance – Year 2

Establish Test
Governance

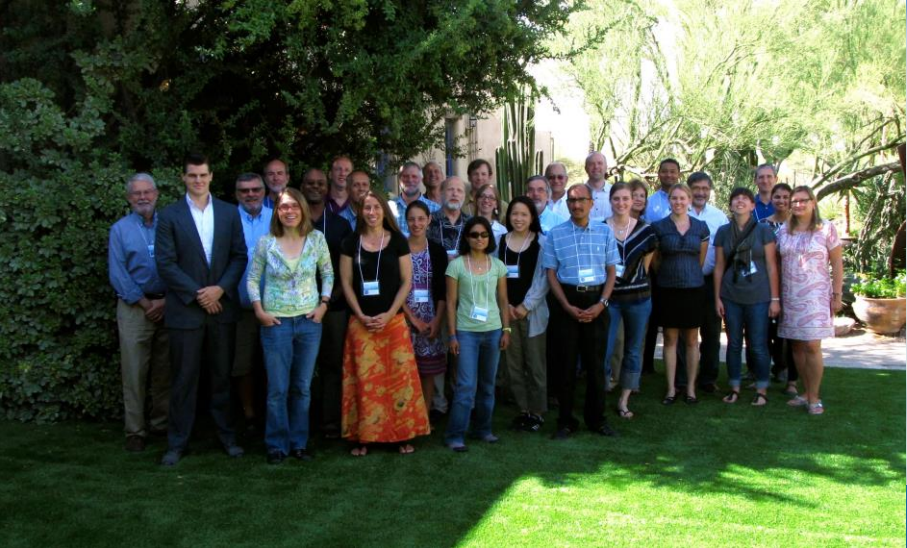
Facilitate
convergence
on system
design, data
standards

Evaluate
results: basis for
long term
governance



DEMONSTRATION GOVERNANCE (YEAR 2)

To be decided by you in Year 1



Richard A. Anthes

University Corporation for Atmospheric Research (UCAR) Emeritus

Paul N. Edwards

University of Michigan, School of Information

Holly Given Scripps Institute of Oceanography (SIO)/International Ocean Discovery Program (IODP)

Linda Gunderson

USGS Scientist Emeritus

Thomas L. Hoffmann

GeoScience Research Center Potsdam (GFZ)

Beth Plale

School of Informatics and Computing, Indiana University

John Towns

National Center for Supercomputing Applications (NCSA), University of Illinois Urbana-Champaign

▶ **Additional Members TBD**

ADVISORY COMMITTEE

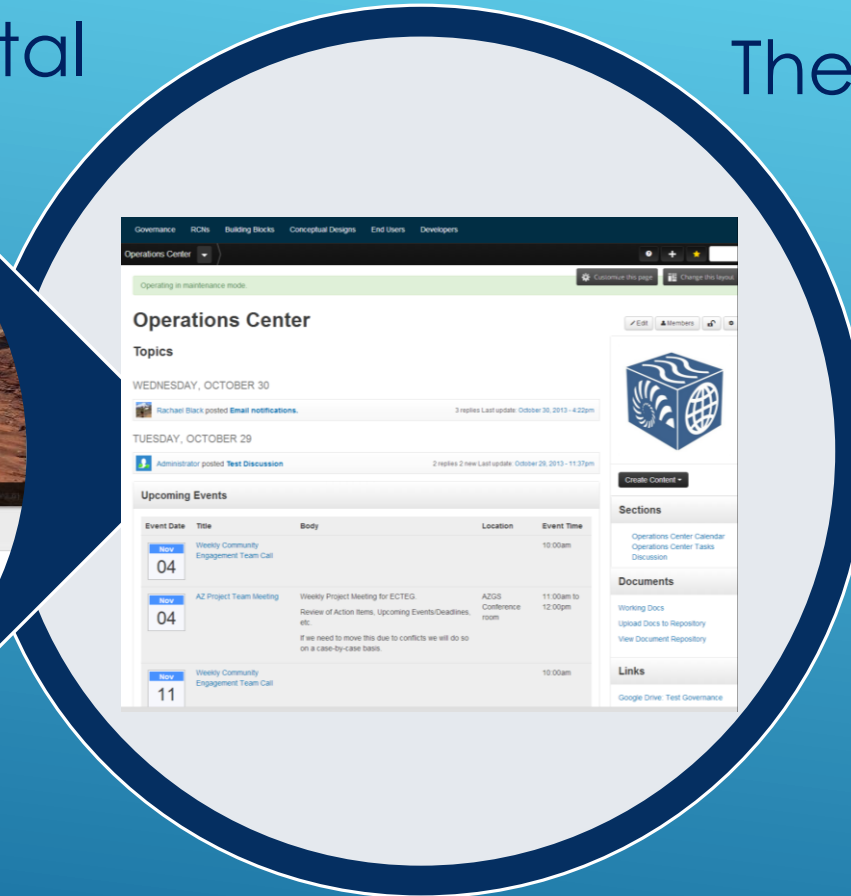
EarthCube Test Enterprise Governance Project



NEW COMMUNITY WEB PLATFORM

The “Informational Site” Portal

The “Workspace”



EarthCube.org

Workspace.EarthCube.org



- Assembly Stakeholder Meetings (Spring 2014)
- Crowdsourcing:
 - Virtual Strategic Pathways Exercises (Spring 2014)
 - Feedback on Governance Models (Spring 2014)
- Social Media (Facebook, Twitter) - Ongoing
- www.earthcube.org – NEW!
- **EarthCube All-Hands Meeting, June 24-26, 2014**
- Look for us at AMS, Ocean Sciences (Spring 2014)

GET INVOLVED!



▶ **Data Facilities**

- ▶ Arlington, VA
- ▶ January 15-17, 2014

▶ **EarthCube Projects**

- ▶ NEON Offices,
Boulder, CO
- ▶ February 12-14, 2014

▶ **IT/CS/IS/FOSS**

- ▶ Boulder or Denver, CO
- ▶ Week of March 3, 2014

▶ **End-Users & Professional Societies**

- ▶ Week of March 17, 2014
- ▶ AGU Offices, Washington DC

ASSEMBLY STAKEHOLDER MEETINGS



THANK YOU FOR PARTICIPATING!

Join our next EarthCube Community Webinar

January 23, 2014, 11 am EST

