

EarthCube
2016 All Hands Meeting
Denver, CO
Wednesday, July 6 – Friday, July 8, 2016

Agenda

Wednesday, July 6

7:00 – 8:30 AM **Registration - Mezzanine Foyer**
Light Refreshments - Platte River Room

Wi-Fi
Network: WestinMeetingRooms

Password: NSF2016 (not case sensitive)

8:30 – 8:50 AM **Welcome, Opening Remarks**
Speakers:
Kerstin Lehnert, Chair, EarthCube Leadership Council
Eva Zanzerkia, EarthCube Program Officer, National Science Foundation (NSF).
Description: Welcome and introduction of new Leadership Council Members, Remarks by NSF.
Confluence C

8:50 – 9:20 AM **Keynote: Dan Stanzione - Architectures for Cyberinfrastructure: Frameworks for Science Progress**
Description: Dr. Stanzione is the Executive Director of the Texas Advanced Computing Center (TACC) at The University of Texas at Austin.
Confluence C

9:20 – 9:35 AM **EarthCube Vision and Direction**
Speaker: Kerstin Lehnert, Chair, EarthCube Leadership Council
Description: EarthCube Vision
Confluence C

9:35 – 9:45 AM **EarthCube Science Support Office**
Speaker: Mohan Ramamurthy, PI, EarthCube Science Support Office (ESSO)
Description: The newly awarded EarthCube Science Support Office (ESSO) will provide the needed backbone services to facilitate the advancement of EarthCube's mission, goals, and implementation plans.
Confluence C

- 9:45 – 10:00 AM** **Overview of Architecture and Assessment Workshop Outcomes**
Speakers:
David Arctur, Chair, 2016 EarthCube Architecture Workshop
Lindsay Powers, Chair, 2016 EarthCube Software Assessment Workshop
Description: Brief descriptions of two important workshops held earlier this summer.
Confluence C
- 10:00 – 10:30 AM** **Break-Confluence Foyer**
- 10:30 – 12:00 PM** **Committee and Team Reports and Panel Discussion**
Ken Rubin, Emcee
Speakers:
Sara Graves, Council of Data Facilities (CDF)
Mimi Tzeng, Engagement Team
Lindsay Powers, Liaison Team
Emma Aronson, Science Committee
Jay Pearlman, Technology and Architecture Committee
Description: EC Committee and Team representatives provide an update on their team's accomplishments over the past year and participate in a panel discussing how these groups contribute to the EarthCube Vision.
Confluence C
- 12:00 – 1:00 PM** **Working Lunch**
Speakers: Thematic Session Leads
Description: Thematic Session Overview
Platte River Room
- 1:00 – 1:30 PM** **Research Coordination Networks: Key Activities and Goals**
Ken Rubin, Emcee
Description: Representatives and PIs from EarthCube's Research Coordination Networks report on the state of their projects.
Confluence C
- 1:30 – 3:00 PM** **Thematic Discussion – Please select one (1) See page 3.**
- 3:00 – 3:30 PM** **Break – Confluence Foyer**
- 3:30 – 5:00 PM** **Thematic Discussion – Please select one (1) See page 4.**
- 5:30 – 7:30 PM** **Welcome Reception -Augusta Room**
(cash bar)

Thematic Discussion I - Choose 1 of 4

Wednesday, July 6 1:30 – 3:00 PM

Session 1: Cross Disciplinary Studies: Mechanisms for Enabling Major Geoscience Advances through EarthCube

Speakers: Emma Aronson, Ken Rubin, Basil Gomez - Science Committee

Description: Scientific advances are beginning to flow from EarthCube already, but not at the expected level of complexity/importance or speed for a 5-year old program. John Delaney, UW and Paul Kucera, NCAR will discuss their experiences and outcomes on this topic, followed by group discussion, with a view to maximizing the value-added science outputs. We will discuss mechanisms that will both maximize existing and create new opportunities for geoscience community involvement with the development and utilization of EC products, particularly with their potential for enabling cross-disciplinary science.

Confluence A

Session 2: Geosciences Modeling and Software

Speakers: Scott Peckham, Yolanda Gil

Description: Computational models and other software written by geoscientists are an important type of EarthCube resource. This session will focus on best practices, stewardship, model coupling, reproducibility, sustainability, standardized interfaces and several distinct categories of metadata.

Lawrence A

Session 3: Mapping the EarthCube Landscape

Speakers: Rowena Davis, Josh Young, Dawn Wright - Liaison Team

Description: Liaison Team created an interactive map of the facilities that can connect to EarthCube. The map can be a useful tool to quickly convey information on location, contacts, purpose, and to explain how mapped facilities can fit into EC at a glance. This session invites community input from all the EC governance teams and funded projects on the most important connections to display and discusses how the map can be used by those who want to get more involved in EarthCube.

Lawrence B

Session 4: Standards

Speakers: Steve Richards

Description: Policies for an EC standards registry to implement the recommendations from the Standards Working Group

Confluence B

Thematic Discussion II – Choose 1of 4

Wednesday, July 6 3:30 – 5:00 PM

Session 5: Use Cases

Speakers: Karen Stocks, D. Sarah Stamps, Lisa Kempler

Description: Aligning the various use case efforts in EarthCube and planning the next phase of the Use Case Working Group Efforts.

Confluence A

Session 6: Communications Plan

Speakers: Elisha Wood-Charlson- Engagement Team

Description: A communications plan has been developed to present a cohesive approach to EarthCube messaging. This session looks at communication and promotion outlets with case studies, as well as avenues of communication between the committees, teams, and funded projects.

Lawrence B

Session 7: Semantics and Ontologies for EarthCube

Speakers: Yolanda Gil- TAC

Description: How does Semantics connect across domains, agencies, and infrastructure?

Confluence B

Session 8: Interoperability and Integration: Testbed and Assessment

Speakers: Sara Graves, Lindsay Powers

Description: Connecting EarthCube Technologies & End Users -TestBeds

Lawrence A

Thursday, July 7

- 7:30 – 8:30 AM** **Registration - Mezzanine Foyer**
Light Refreshments - Platte River Room
- 8:30 – 9:00 AM** **Keynote: Harlan Spence**
Description: Dr. Spence leads a research group that studies the physics of cosmic plasmas, from the Sun's corona to interplanetary space to Earth's upper atmosphere
Confluence C
- 9:00 – 10:00 AM** **Architecture Framework Workshop Outcomes**
Speaker: David Arctur
Description: The Chair of the 2016 Architecture Workshop describes decisions and conclusions. Includes 15 minutes of audience Q&A.
Confluence C
- 10:00 – 10:30 AM** **Break – Confluence Foyer**
- 10:30 – 11:00 AM** **Conceptual Design Funded Projects Reports**
Speakers: Conceptual Design Award PIs
Description: PIs consider how to move forward within the proposed Architectural Framework
Confluence C
- 11:00 – 12:00 PM** **Funded Projects and Data Facilities: How do we fit into the architecture?**
Part 1: Lightning Talks
Speakers: Funded Project PIs and Council of Data Facilities members
Description: PIs give lightning talks answering the question of how to move forward within the proposed Architectural Framework
Confluence C
- 12:00 – 1:00 PM** **Working Lunch: Awards and Announcements**
Speakers: Mimi Tzeng, Josh Young
Description: The Engagement Team recognizes outstanding service to EarthCube in the 2016 Volunteer Recognition Awards; Birds of a Feather Session Information
Platte River Room
- * 1:00
Deadline for organizing a BOF
- 1:00 – 1:30 PM** **Keynote: Anne Thessen - Community-Driven Cyberinfrastructure for Biological Sciences**
Description: This presentation will review key aspects of existing cyberinfrastructure projects serving biological sciences, such as the Encyclopedia of Life, the Biodiversity Information Standards group, the National Center for Biotechnology Information, and the OBO Foundry (and others).
Confluence C

- 1:30 – 3:10 PM** **Funded Projects and Data Facilities: How do we fit into the architecture?**
Part 2: Group Discussion
Speaker: Funded Project PIs and Council of Data Facilities members
Description: Workshop-style discussion with small groups across three rooms
Confluence C, Lawrence A, Lawrence B
- 3:10 – 3:30 PM** **Break – Confluence Foyer**
- 3:30 – 5:00 PM** **Funded Project Poster and Demo Session**
Speakers: Funded Project PIs and Representatives
Description: Poster sessions and live demonstrations from over 30 EarthCube Funded Projects
Confluence A & B
- 5:30 – 7:00 PM** **Council of Data Facilities (CDF) Meeting**
Convener: Sara Graves
Lawrence A

** Birds of a Feather sessions (deadline 1 PM Thursday)
Sign up in the Platte River Room.*

Friday, July 8

- 7:30 – 8:30 AM** **Registration - Mezzanine Foyer**
Light Refreshments - Platte River Room
- 8:30 – 9:15 AM** **Keynote: Ariel Anbar - Transdisciplinary Training through Technology**
Description: Ariel Anbar is a scientist and educator interested in Earth's past and future evolution as an inhabited world, and the prospects for life beyond. His group's major focus is the chemical evolution of the atmosphere and oceans, as revealed by the development of novel geochemical methods.
Confluence C
- 9:15 – 10:00 AM** **EarthCube Sustainability Panel**
Cyndy Chandler, Moderator
Speakers: Leslie Hsu, Basil Gomez, Sara Graves, Eva Zanzerkia, Scott Peckham
Description: Discussion of how products of funded projects can be sustained after project end date and incorporated into the EarthCube architecture.
Confluence C
- 10:00 – 10:30 PM** **Break – Confluence Foyer**
- 10:30 – 11:30 PM** **Reports on Thematic Sessions**
Speakers: Thematic Session Leaders
Description: Brief overview of thematic sessions
Confluence C
- 11:30 – 12:30 PM** **EarthCube Connects**
Speakers: Kerstin Lehnert (moderator), group discussion
Description: Group discussion of moving toward the next phase
Confluence C
- 12:30 – 1:30 PM** **Working Lunch**
Speaker: Scott Peckham
Description: Closing Remarks
Platte River Room

