NSF 16-514 EarthCube
Webinar 2:00PM EST
Please mute your audio when you join

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This Webinar

• Summarize key aspects of the EarthCube opportunity, NSF 16-514

• Answer questions through chat function in webex.

• If you have an issue with webex email ramartin@nsf.gov **may not be able to fix it in time

• Webinar will be posted
• Email program directors after the webinar
Deadlines

• Submit your proposals, regardless of government status

• March 5: Science Enabling Data Capabilities

• March 14: EarthCube RCNs – with agreement of program director
Developed under CIF21
Cyberinfrastructure for the 21st Century

Successful **community building**
Between geosciences and CS/CI

Increased interoperability, improved technology **across the geosciences** for data access

EarthCube **Strategic Priorities**
Priorities

• Science Advancement and Community Engagement
• Resource Integration and Reuse
• Scientific Workflow and Data Platform

https://www.earthcube.org/info/about/earthcube-governance
Key Governance Documents

The governing charters of EarthCube and its supporting Council, Committees, and Teams are provided below. These documents were finalized and adopted in 2014 and 2015 and detail the roles, responsibilities, and operations of each unit of EarthCube’s governance structure. As living documents, these charters may be changed or amended by the community by the means detailed in each document.

The links below are permanent links to documents meant to give a broad overview to the EarthCube project, as well as pertinent documents describing current implementation efforts.

EarthCube Guidance for next office and 2019 target data Project Solicitations

- **(NEW) Cyberinfrastructure for the Geosciences - Opportunities** [NSF Link]
- **(NEW) NextEarthCube Office Solicitation** [NSF link]
  - Webinar for EarthCube Office solicitation - Monday, February 4, 2019: 2 PM EST
    - Webex meeting link: https://nsf2.webex.com/nsf2/j.php?MTID=m33a5e48352b2132670745f586c09ae39f
    - Join by phone: +1-510-210-8892 (Webex meeting number: 908 784 526, Webex meeting password: EarthCube2019)
- **(NEW) 2019 EarthCube Projects Solicitation** [NSF link]
  - Webinar for EarthCube core solicitation - Tuesday, February 12: 2 PM EST
    - Webex meeting link: https://nsf2.webex.com/nsf2/j.php?MTID=m414cb0b6e575d3f8205d32156538a349
    - Join by phone: +1-510-210-8892 (Webex meeting number: 904 603 181, Webex meeting password: EarthCube2019)
- **(NEW) 2018 AGU - EarthCube town hall. Check out slides 38-47 for NSF’s reference to EC Solicitation**
- **LC Guidance for Support Office** [link]
- **LC Guidance on EC Projects** [link]
- **LC Guidance on EarthCube Workbench** [link]

Governance and Office Documents

- **LC Strategic Priorities 2018**
- **2017 Roadmap Document**
- **EarthCube Past, Present, and Future**
- **EarthCube Reverse Site Visit (RSV) Final Report**
- **Intro Letter to Formal Response to RSV**
- **Response to the EarthCube Advisory Committee (RSV) Report**
- **EarthCube Strategic Science Plan: Geoscience 2020**
- **EarthCube Architecture Workshop 2016: Final Report and Recommendations**
- **EarthCube Mission and Vision**
- **EarthCube Strategic Vision**
- **EC Governance AZ Budget Summary January 2014 - June 2016**
- **EarthCube Resources for the NSF GEO Domain Data Workshops 2018-2019**

Architecture Documents

- **Final Report from the 2017 Architecture Refinement Workshop**
- **EarthCube Architecture & Implementation Plan Executive Summary**
- **EarthCube Architecture Implementation Plan**
- **EarthCube Solution Architecture**
- **Community Feedback from the TAC and CDF**
- **AIP Tiger Team Response to the Architecture Implementation Plan**
Organization of the Solicitation

• Amendment VII
• Funding Opportunities
  • Award Information
  • Description of the Activity
  • Specific Requirements
  • Additional Solicitation Specific Review Criteria
  • Additional Proposal Preparation Guidelines
Advancing Geosciences Research - Amendment VII

• Two Funding Opportunities
  • Science Enabling Data Capabilities
  • Research Coordination Networks

• Supplements
  • Science Adoption
  • Data Resource Adoption
Science-Enabling Data Capabilities

• Up to 36 months; Budgets commensurate with scope of work and collaboration
• 3-6 awards

• Build capabilities to improve geosciences data use and reuse
• Interoperable with emerging standards and resources from EarthCube and other sources
• Improve data management, discovery and/or access
• Data analysis, visualization, integration tools or broaden usage of research-driven tools
Science-Enabling Data Capabilities

Science Driven

• Must be driven by scientific needs in major community activities, reports
• Demonstrate close coordination with scientific communities
• Examples: science RCNs, community science experiments, observatories, etc.
• Project must enable
  • New science outcome
  • Reduction in “time to science”
Science-Enabling Data Capabilities

Specific Requirements

• Advancing Geosciences Research
• Reuse of existing tools/cyberinfrastructure
• Sustainability
• Metrics and Assessment
Proposal Preparation

• Titles
  • Begin with “EarthCube Data Capabilities” followed by “Collaborative Proposal” if applicable

• Project Description
  • Specific Requirements
  • Management Plan
  • Sustainability Plan

• Budget
  • Any institution with a <$100,000 budget must be a subaward

• Additional Supplementary Documents
  • Personnel List
  • Letters of Collaboration for any institution not receiving funds
Research Coordination Networks (RCN)

• 36 months, $300,000

• Proposals only accepted after a discussion with program directors and agreement for submission. Include email as Additional Single Copy Document

• Target Date – with permission proposals can be submitted after March 15 – Talk to a Program Director in your core program
Research Coordination Networks (RCN)

- Organize, Seek input, Prioritize, Build consensus in a geoscience domain
- Outcomes must be tangible
- Build and strengthen geo/CI partnerships
- Lead to better scientific outcomes
- New ideas, methods, tools, approaches
- Reduce redundancies
- Best practices and lessons learned in data management
Research Coordination Networks (RCN)

Specific Requirements

• Focus/Topic
  • community standards/data management
  • common CI & technology grand challenges
  • areas convergent with Big Ideas

• EarthCube Participation
• Steering Committee
• Network Participants
• Outcomes
Research Coordination Networks (RCN)

Proposal Preparation

• Title: "EarthCube RCN:"

• Project Description:
  • List of the Steering Committee members and their institutions.
  • Management, coordination, and participant diversity

• Budget:
  • Any institution with a <$100,000 budget must be a subaward

• Single Copy Document:
  • list of program directors within GEO that have agreed to interest in this RCN and email allowing submission
Proposal Evaluation

**Intellectual merit**—Encompasses the potential to advance knowledge;

**Broader impacts**—Encompasses the potential to benefit society and contribute to the achievement of specific, desired societal outcomes.

1. What is the potential for the proposed activity

2. To what extent do the proposed activities suggest and explore creative, original, or potentially transformative concepts?

3. Is the plan for carrying out the proposed activities well-reasoned, well-organized, and based on a sound rationale? Does the plan incorporate a mechanism to assess success?

4. How well qualified is the individual, team, or institution to conduct the proposed activities?

5. Are there adequate resources available to the PI (either at the home institution or through collaborations) to carry out the proposed activities?
Proposals will be evaluated on how successfully they meet the Specific Requirements:

**Science-Enabling Data Capabilities**
- Advancing Geosciences Research
- Reuse of existing tools/cyberinfrastructure
- Sustainability
- Metrics and Assessment

**Research Coordination Networks**
- Focus/Topic
- EarthCube Participation
- Steering Committee
- Network Participants
- Outcomes
EarthCube Supplements

Science Adoption
- Achieve new, geosciences research and education outcomes
- Adoption of existing tools or standards

Data Resource Adoption
- Data facilities or resources
- Adopt EarthCube/CDF standards
- Improve interoperability, access to data and services
- Initial implementation not to sustain existing efforts

• Must comply with PAPPG guidelines for supplements
• PIs must speak with an EarthCube program director
• Requirements
  • Integration with EarthCube, registries
  • Metrics, Assessment and Sustainability
EarthCube Office Solicitation NSF 19-523

Proposals Due: February 28, 2019

Looking for an organization to proactively lead
And execute the following activities

Facilitation of EarthCube Governance
https://www.earthcube.org/info/earthcube-governance

Data Discovery and Access
https://github.com/earthcubearchitecture-project418
Harnessing the Data Revolution


HDR Webinar

Event Title: Harnessing the Data Revolution (HDR) Information Webinar

Date/Time: February 15, 2019 – 1:00pm until 3:00pm Eastern Time

Register in Advance at URL: https://nsf2.webex.com/nsf2/onstage/g.php?MTID=e825991c55703f366add84da206f055b3

Audio Options: Connect using computer audio. Alternatively, choose call-me and enter your phone number to receive a call back, or call-in using USA/Canada Toll: +1-510-210-8882 or Toll-Free: 1-844-700-9959 and event number/access code 900 748 538.

Real-time Captions: View real-time captions the day of the event at: www.fedrcc.us/ by clicking “Join Now” and entering event ID # 3912679.
Questions

▪ Leave comment in webex chat
▪ After the webinar, email a program director