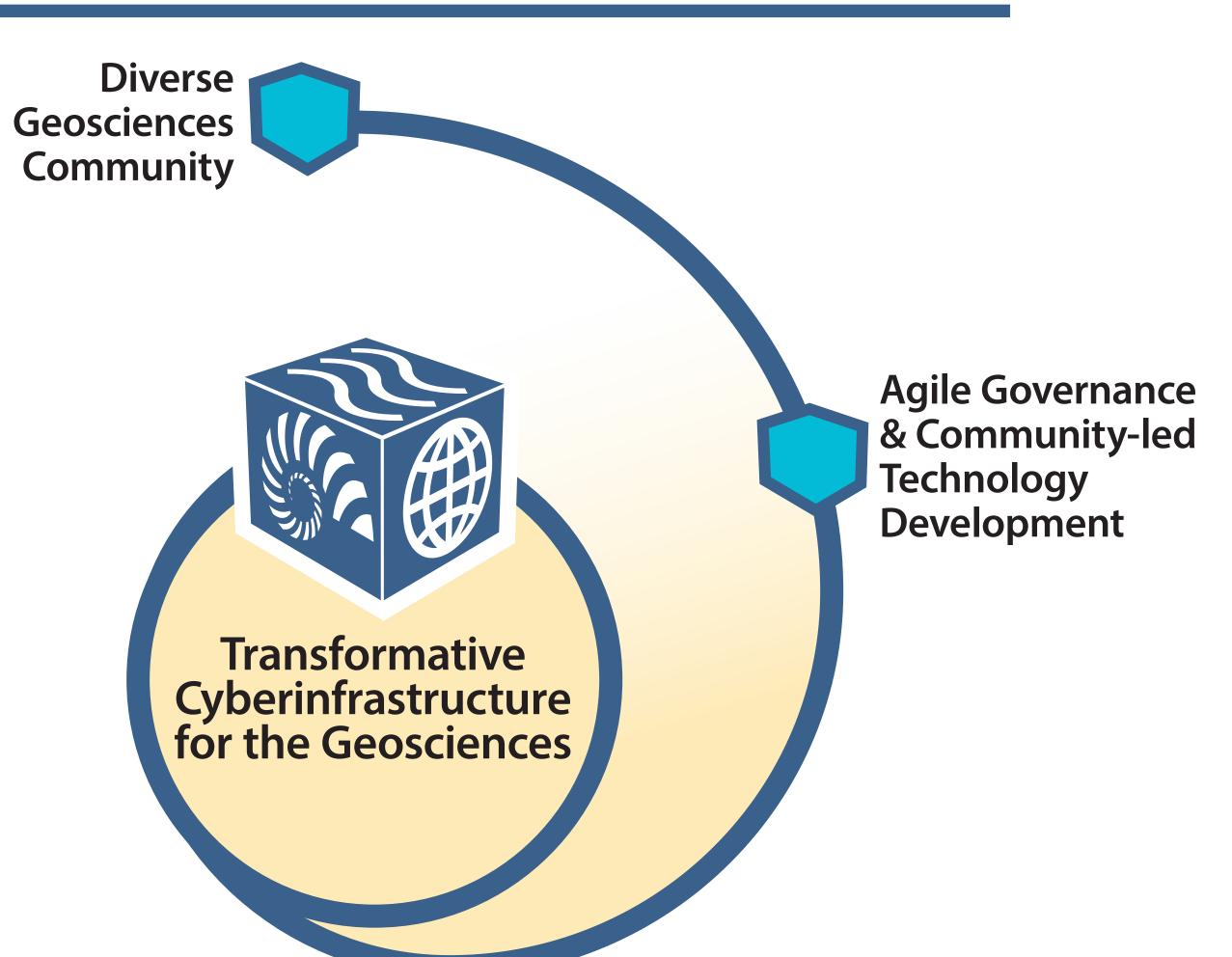
EARTHCUBE: A COMMUNITY-DRIVEN ORGANIZATION FOR GEOSCIENCE CYBERINFRASTRUCTURE

ALLISON, M. Lee, BLACK, Rachael, KATZ, Anna, KRETSCHMANN, Kate, and PEARTHREE, Genevieve; Arizona Geological Survey, 416 W. Congress, #100, Tucson, AZ 85701-1381, earthcube.org

use cases.

EARTHCUBE VISION:



- -Transform the conduct of data-enabled geoscience-related research
- -Create effective community-driven cyberinfrastructure
- -Allow global data discovery and knowledge management
- -Achieve interoperability and data integration across disciplines

EARTHCUBE IS...

- -Building on and leveraging existing science & cyberinfrastructure
- -Community-driven, with >2,500 members and growing
- -Representing all the geosciences domains

EARTHCUBE JOURNEY:

-Dear Colleague Letters & Charrettes

-White Papers & Expressions of Interest

-Roadmaps & Concept Designs

-Establish partnerships among data centers and encourage communication. -Provide information on potential for shared services to

Leadership

Council.

-Develop communication and outreach plan for use within the EarthCube community.

-Assist Science Standing Committee in compilation

and dissemination of end-user science

-Develop science use cases based on End-User Domain Workshop reports. -Work with other committeees and teams to

Engagement Team ensure collaboration between the scientific process and technical EarthCube development.

-Work with Engagement Teamto develop follow-up activities in addition to the end-user science use cases.

Science Standing Committee

Technology & Architecture Committee

-Coordinate and align funded projects to foster integrated technology, identify gaps, and provide recommendations to meet end-user needs.

-Design a testbed for EarthCube components, and facilitate community convergence on EarthCube's architecture. strategy for proactive outreach to external

partners to avoid duplication of existing initiatives.

2011

2013

2014

2012

-End-User Workshops & Stakeholder Alignment

-Building Blocks, RCNs, & Conceptual Design Awards

-Demonstration Governance phase 2015



in project awards

-Enhance

coordination of

EarthCube constituent

projects and present

suggestions to Leadership

Council for integration.

Funded projects

dm

-Implement a

Domain workshops

OVER 2,500 COMMUNITY MEMBERS



This material is based upon work supported by the National Science Foundation under Grant No. 1340233.

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the authors and do not necessarily reflect the views of the National Science Foundation.