

EarthCube

transforming geosciences research for the 21st century

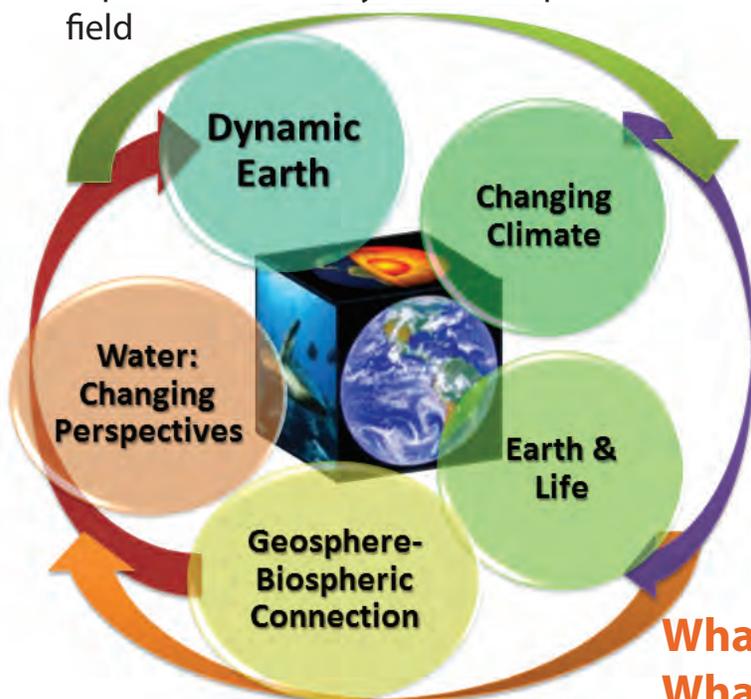
Now is your chance to design EarthCube

Tell us what you want EarthCube to do and be!

- Take our survey
- Join the online forum
- Attend a domain end-user workshop
- Attend EarthCube events at professional meetings

Imagine a world...

- With easy, unlimited access to scientific data from any field
- Where you can easily plot data from any source and visualize it any way you want
- Where you can easily model your results and explore ideas from your desktop, lab, or in the field



What is EarthCube?

EarthCube will build a knowledge management system to better understand our complex and changing planet.

EarthCube will:

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

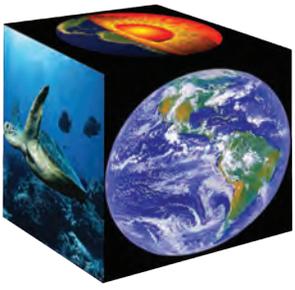
Why EarthCube?

- Nature does not recognize separate disciplines
- EarthCube will democratize access to data
- EarthCube will increase research time by reducing time needed to find, access, and analyze data
- EarthCube will enable more interdisciplinary research and the pursuit of new questions
- EarthCube will accelerate the pace of discovery
- EarthCube will give scientists the same chance of making major contributions regardless of institution size or endowment

What science would you do?
What discoveries would you make?

www.earthcube.ning.com

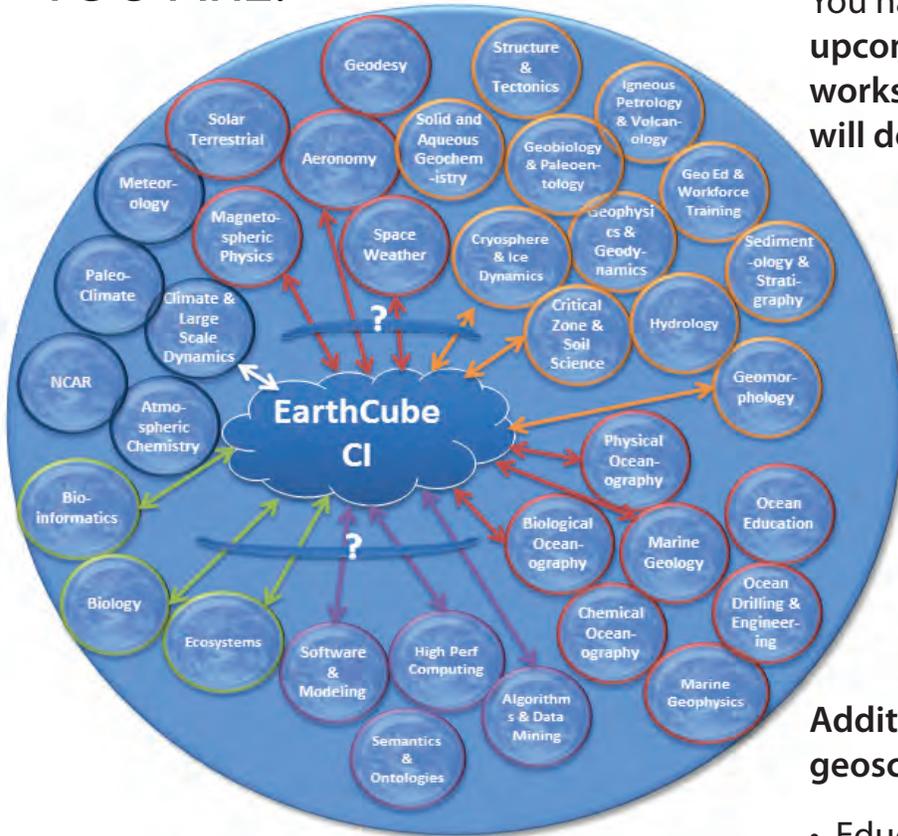




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Who is EarthCube?
YOU ARE!



Participate in EarthCube!

You have the opportunity to participate in upcoming EarthCube domain end-user workshops and influence what EarthCube will do and be. Scheduled workshops include:

- Geochemistry
- MYRES V: Sedimentary Record
- Early Career
- Structure and Tectonics
- EarthScope
- Experimental Stratigraphy
- Advances in Data Assimilation & Ensemble Prediction
- Critical Zone
- Envisioning a Digital Crust
- Paleogeoscience

Additional workshops proposed by geoscientists include:

- Education & Workforce Training
- Marine Geophysics
- Sensors and Real Time Data
- Geochemistry & Igneous Petrology
- Rivers & Biogeochemistry
- Paleoclimate
- Data Management Facilities
- Geochronology
- Community Modeling Facilities
- Biological Oceanography
- Geomicrobiology
- Chemical & Physical Oceanography

EarthCube is a collaboration between the Office of Cyberinfrastructure (OCI) and the Geosciences Directorate (GEO) of the U.S. National Science Foundation (NSF).

At this time, EarthCube is a virtual organization based around the community website <http://earthcube.ning.com>. There are almost 1300 participants!

EarthCube is an outcome and a process



Interested in organizing a workshop in your field?
Contact your NSF Program Officer or email Barbara Ransom at bransom@nsf.gov.

www.earthcube.ning.com