EarthCube Enterprise Governance Critical Functions

The following set of functions were developed at the EarthCube Test Enterprise Governance Synthesis workshop. The functions were developed as a means of determining what needs must be met prior to developing the proposed governance structure.

Functions are numbered only to aide in the review process; numbering does not indicate precedence. The functions are distributed between three primary categories: EarthCube Leadership & Vision, Guiding the Technical Implementation, and Advocacy & Engagement. Comments on the functions are possible through our Survey tool at http://workspace.earthcube.org/test-governance/charter-review.

EarthCube Governance Functions	
	Critical Functions: EarthCube Leadership & Vision
1	Set, implement, and revisit as needed the strategic direction, plan, and Annual Meeting (monitor metrics and adjust course as needed)
2	Ensure consistency and transparency in policies, procedures, and decision-making including providing multiple ways for people to participate in the process of making decisions and communicating outcomes of decisions and processes
3	Create communication pathways among different governance structures
4	Establish and manage committees, subcommittees, and working groups as needed to perform functions
5	Foster business models to sustain and maintain the infrastructure of EarthCube
6	Establish, facilitate, and maintain policies and procedure
7	Public dispute resolution and proactive management of risk and conflicts of interest
8	Coordination with and recommendations to the funding agency
9	Encourage, engage, and enable the next generation of EarthCube leadership
	Critical Functions: Guiding Technical Implementation
10	Ensure the explicit connection between scientific process and technical functions (Coordinate testbeds, and other mechanisms for evaluation of cyberinfrastructure components; identify and prioritize use cases)
11	Maintain alignment of the funded projects (interoperability, connections to end users) to ensure end user requirements

12	Stewardship of a reference architecture: Identify what data, software, infrastructure, standards, etc. is in alignment with EarthCube and incorporate it into EarthCube cyberinfrastructure (including meeting specific criteria, going through technical reviews, and/or testing)
13	Identify gaps in coverage of needed cyberinfrastructure capabilities, and determine recommendations on how to fill them
14	Ensure, improve, and monitor the technical user requirements
	Critical Functions: Advocacy & Engagement
15	Dissemination & Communication: Create branding to easily trace EarthCube results and enable broad dissemination of EarthCube information across academic, private sector, and government. Use a variety of tools (including a forum/commons) to enable community discussion. Actively share information about resources included in EarthCube (data, workflows, software, etc.).
16	Engagement: End user and stakeholder (e.g. professional societies, publishers, government, commercial) engagement and support, including onboarding new audiences to EarthCube (attracting new users)
17	Connections: Establish partnerships to the organizations and initiatives and leverage existing resources
18	Connections: Engage and establish partnerships with existing data facilities
19	Connections: Serve as an emissary between software developers, the science community, and infrastructure, as well as educators
20	Advocate and engage the community in the management of geoscience cyberinfrastructure assets