

Breakout Session: Cyberinfrastructure / EarthCube / Web Services

Chairs: Sue Owen (JPL), David A. Phillips (UNAVCO)

This session included presentations by EarthScope facility personnel as well as open discussion periods intended to solicit feedback from the community. Discussions were guided by the following questions which were posed at the beginning of the session: (1) What are examples of successful cyberinfrastructure for EarthScope research? (2) What are examples of not-so-successful CI? (3) What are some limiting factors in EarthScope research process (thinking end-to-end — from data collection to publication/outreach) that cyberinfrastructure could help with? Are the pain points mainly at data access or integrative modeling or some other step? To provide context, a series of overview presentations and demonstrations of existing EarthScope facilities as well as collaborations with US and international partners were provided by Chuck Meertens, David Phillips and Christine Puskas from UNAVCO/GAGE and Chad Trabant from IRIS/SAGE. Eva Zanzierka from NSF also provided an update on the EarthCube project. Interest and suggestions from community participants focused on topics such as: expanded web services from the facilities to explore and utilize geodetic and seismic data; particularly strong interest in time series tools including direct information regarding metadata; and integration of data products from multiple sources to facilitate interdisciplinary and multidisciplinary research.