AGENDA
EarthCube Modeling Workshop for the Geosciences
April 22-23, 2013
Millenium House Boulder, Colorado

Monday, April 22
7:30a Breakfast Millenium Room

Century Room
8:00 Welcome - Louise Kellogg, University of California, Davis 10 min
8:10 Intro from NSF - Eva Zanzerkia, NSF 40 min

Plenary Session: What does “modeling” mean to my community?
20 min each + 5 min questions each
8:50 Speaker 1 - Hydrology - Larry Band, University of North Carolina, Chapel Hill
9:15 Speaker 2 - Atmospheres - Fuqing Zhang, Pennsylvania State University
9:40 “Working” Break - Assignment: write and post thoughts on science drivers, challenges, and needs for your community needs Century Room
10:20 Speaker 3 - Geodynamics - Peter Van Keken, University of Michigan
10:45 Speaker 4 - Surface Processes - Nicole M. Gasparini, Tulane University
11:10 Speaker 5 - Cyberinfrastructure - Katherine Riley, Argonne National Laboratory
11:35 “Working” Break - Assignment: organize and group posted ideas

noon Lunch Millenium Room

1:30p Charge to Groups Century Room
1:40p Breakout Session I: Important Science Drivers and Challenges
3:10 Break Century Room
3:30 Breakout Session II: Current Challenges to High-Impact Interdisciplinary Science
5:00 End of Day
6pm No host happy hour
Tuesday, April 23
7:30a  Breakfast  Millenium Room

Century Room
8:00  Report from Social Scientist - Joel Cutcher-Gershenfeld, University of Illinois  30 min
8:30  Report Back from Breakout Session I & II  10 min each

**Plenary Session:** What technology does my community use to meet its modeling challenges?

9:40  Speaker 1: On the Use of Technology to Enable the Flow of Digital Rivers at Continental-Scale - Cedric David, University of California, Irvine
10:00  Speaker 2  - Data Integration, High Performance Computing, and Scientific Visualization in the Geodynamics Workflow, Margarete Jadamec, Brown University
10:20  Speaker 3 - Discretization, Solvers, and Statistics in Computational Geodynamics, Jed Brown, Argonne National Laboratory

10:40  Break

11:00  **Plenary Session I:** Technical Information/Issues/Challenges - Scott Peckham, University of Colorado, Boulder

12:30  Lunch  Millenium Room

Summary - Louise Kellogg, University of California, Davis

Century Room
1:30  **Plenary Session II:** Community Next Steps - Louise Kellogg, University of California, Davis

3p  Adjourn  Refreshments Available @ 2pm