

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?*

20 min each

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*