

DRAFT AGENDA

Building a Next-Generation Community Ice Sheet Model 18-20 August 2008 Los Alamos National Laboratory, Los Alamos, NM

All events will take place in the Jemez Room of the J. Robert Oppenheimer Study Center unless noted otherwise.

Monday, 18 August 2008

8:30-9:00 am	Registration and refreshments
9:00-9:10 am	Welcome and introductions
9:10-9:35 am	Robert Bindshadler, keynote talk
9:35-10:00 am	Peter Gent, "The CCSM and ice sheets"
10:00-10:20 am	Kees van der Veen, "Overview of the St. Petersburg ice sheet modeling workshop"
10:20-10:40 am	Break
10:40-11:00 am	Stephen Price, "Ice dynamics and physics in a next-generation ice sheet model"
11:00-11:20 am	Slawek Tulaczyk, "Basal boundary conditions for ice sheet models"
11:20-11:40 am	Sasha Carter, "Modeling subglacial water transport"
11:40 am-12:00 pm	Jeremy Bassis, "New and old approaches to ice sheet modeling: Solid earth geophysics and the cryosphere"
12:00-1:00 pm	Lunch
1:00-1:20 pm	David Holland, "Review of progress in observations and modeling of ice-shelf physics"
1:20-1:40 pm	Christina Hulbe, "Short time scale variation in grounding line position on the Siple & Gould Coasts, West Antarctica"
1:40-2:00 pm	Dan Goldberg, "Lessons from adaptive-mesh modeling of marine ice sheets"
2:00-2:20 pm	Paul Holland, "Regional models of ice shelf—ocean interaction"
2:20-2:40 pm	Todd Dupont, "Dynamic ice fronts: Implementing an empirical ice-shelf calving law"
2:40-3:00 pm	Break
3:00-5:00 pm	Breakout sessions: Ice sheet dynamics and physics (Jemez Room) Ice-shelf/ocean interactions (Cochiti Room)
5:00 pm	Adjourn
6:00 pm	Group dinner (La Vista restaurant, Best Western Hilltop House)

Tuesday, 19 August 2008

8:30-9:00 am	Refreshments and announcements
9:00-9:20 am	Jesse Johnson, "Software design issues for ice sheet models"
9:20-9:40 am	Phil Jones, TBA
9:40-10:00 am	Bill Lipscomb, "Implementing an ice sheet model in CCSM"
10:00-10:20 am	Todd Ringler, "New grid techniques for ice sheet models"
10:20-10:40 am	Break
10:40-11:00 am	Bernard Minster, "Community Modeling Environment at the Southern California Earthquake Center: Principles, architecture, and lessons learned"
11:00-11:20 am	Gordan Stuhne, "An overview of the University of Toronto Glacial Systems Model"
11:20-11:40 am	Jeremy Fyke, "Integrating an ice sheet/ice shelf model into an EMIC: progress and issues"
11:40 am-12:00 pm	Miren Vizcaino-Trueba, "Scientific questions to be addressed with a coupled climate-ice sheet model"
12:00-1:00 pm	Lunch
1:00-1:20 am	Ed Bueler, "Community tools for model initialization, spin-up, and evaluation"
1:20-1:40 pm	Eric Larour, "A new penalty based approach to large scale modeling of Antarctica using 2d-3d lower and higher order finite elements"
1:40-2:00 pm	Charles Jackson, "Data-driven model development"
2:00-2:40 pm	General discussion
2:40-3:00 pm	Break
3:00-5:00 pm	Breakout sessions Software design and coupling (Cochiti Room) Initialization, verification, and validation (Jemez Room)
5:00 pm	Adjourn

Wednesday, 20 August 2008

8:30-9:00 am	Refreshments and announcements
9:00-10:00 am	Reports from breakout sessions
10:00-10:20 am	General discussion
10:20-10:40 am	Break
10:40 am-Noon	General discussion
Noon	Adjourn

