

**CESM Societal Dimensions Working Group Meeting**  
**26 - 27 February 2014**  
**National Center for Atmospheric Research – Boulder, Colorado**  
**Mesa Lab – Main Seminar Room**

▶▶▶▶ *Webcast: [www.fin.ucar.edu/it/mms/ml-live.htm](http://www.fin.ucar.edu/it/mms/ml-live.htm)* ◀◀◀◀

**WEDNESDAY, 26 February**

9:00 Pre-meeting side event: SDWG Water Discussion – ML Fleischman Building (*this will not be webcast*)

**Joint Land Model and Societal Dimensions Working Group Meeting**

- 1:00 Lawrence Buja/Marika Holland/Dave Lawrence – Introduction to Joint SDWG/LMWG session
- 1:30 Peter Thornton – The influence of prognostic land use and land cover change representations in CESM simulations over the period 1850-2100
- 1:50 Alan DiVittorio – From land use to land cover: Restoring the afforestation signal in GCAM to CESM land coupling and the implications for CMIP5 RCP simulations
- 2:10 Ruby Leung – Representing human influence in CESM: Global testing of a river routing and water management model coupled to CLM
- 2:30 Mark Rounsevell – Towards decision-based global land use models for improved understanding of the Earth system
- 2:50 Almut Arneth – The EU project LUC4C: Land-use change: Assessing the net climate forcing, and options for climate change mitigation and adaptation
- 3:10 *Break*
- 3:30 CGD Seminar – Jerry Nelson – Critical challenges for integrated modeling of climate change and agriculture: Addressing the lamppost problem
- 4:30 *Break*
- 4:45 Discussion (SDWG/LMWG research priorities on human dimensions of land surface modeling)
- 5:30 *Reception and poster session*

**THURSDAY, 27 February**

8:00 *Coffee*

***SDWG Science Session I***

- 8:30 Co-chairs – Introduction and objectives for the day
- 8:50 Chris Anderson – Object-oriented evaluation of downscaled Midwest warm-season rainfall
- 9:10 Mohamad Hejazi – The representation of water systems in GCAM: A perspective of the human dimension in CESM
- 9:30 Bill Collins – The Climate Readiness Institute initiative on adaptation and mitigation in the SF Bay Area
- 9:50 Kenichi Wada – The Water-Food-Economy-Climate nexus of ALPS scenario
- 10:10 Discussion
- 10:30 *Break*

***SDWG-related projects Highlight Session***

- 10:50 James McFarland – An overview of the CIRA Project: Multi-model framework to achieve consistent evaluation of climate change impacts in the United States
- 11:10 Eric Gilleland – Advanced climate and regional model validation for societal applications
- 11:30 Brian O’Neill – Project on Benefits of Reduced Anthropogenic Climate changeE (BRACE)
- 11:50 Kate Calvin – Climate change impacts in Latin America: A multi-model analysis
- 12:10 Discussion
- 12:30 *Lunch (on your own)*

***SDWG Science Session II***

- 1:30 Adam Schlosser – IGSM-CLM-WRS framework to undertake a large-ensemble scenario exercise to study Southeast Asia
- 1:50 Martyn Clark – ACE / BOR hydrology project
- 2:10 Erwan Monier – Greenhouse gas emissions and climate impacts of a large-scale biofuels expansion
- 2:30 Caspar Ammann – Enhancing use of CESM output through an efficient downscaling capability with feedback to model development
- 2:50 *Break*
- 3:10 Co-Chairs – Plenary discussion (SDWG goals and orientation)
- 4:30 *Adjourn*