

CESM Societal Dimensions Working Group Meeting
19 – 20 February 2013
National Center for Atmospheric Research – Boulder, Colorado
Mesa Lab – Main Seminar Room

TUESDAY, 19 February

Plenary - Water

- 8:30 [Co-chairs](#) – Welcome and introduction
- 8:40 [Marika Holland](#) – CESM Chief Scientist: CESM status and development trajectory
- 9:00 [Levi Brekke](#) – Climate projections for water resources and environmental planning
- 9:20 [Alison Adams](#) – Water utilities and climate change
- 9:40 [Ruby Leung](#) – Modeling the integrated water cycle in CESM

Plenary - IAM

- 10:30 [Allison Thomson](#) – The role of future agricultural productivity assumptions in integrated assessment model projections of land use change
- 10:50 [Xiaolin Ren](#) – Climate impact on land use distribution
- 11:10 [Avery Cohn](#) – Modeling the land and GHG effects of land sparing interventions: The case of cattle ranching intensification in Brazil
- 11:30 [Kate Calvin](#) – The Latin American Modeling Project

Parallel Session I: Integrated Earth System Model (iesm) – Main Seminar Room

- 1:30 [Bill Collins](#) – iESM code plans
- 1:50 [John Truesdale](#) – iESM code demo
- 2:05 [Peter Lawrence / Allison Thomson](#) – Report back from presentation of iESM to the Integrated Assessment Modeling Consortium (IAMC)

Parallel Session II: Water Focus – Damon Room

- 1:30 Discussion: SDWG – Water research plan (including SDWG assessment of CESM code / data developments)
- 2:15 Discussion: SDWG – Water directions and projects

Plenary – Main Seminar Room

- 3:30 [CGD Seminar – Tom Hertel](#): Climate adaptation as mitigation: Agricultural productivity, global land use, and GHG emissions

- 4:45 Co-chairs – Options for WG activity on land use and water.
IAM and SDWG morning discussion summaries

- 5:00 Discussion and next steps

WEDNESDAY, 20 February

Parallel Session 1: Land Use – Joint with Land Model Working Group – Main Seminar Room

- 8:30 [Brian O'Neill](#) – Intro to joint session
- 8:40 Andrew Jones – Toward a more consistent treatment of land-use change within climate assessment
- 9:00 [Prasanth Meiyappan](#) – A spatial downscaling procedure for allocating agricultural land-use change
- 9:20 [Alan Di Vittorio](#) – Understanding the influence of averaging CLM output within agro-ecological zones on GCAM land use distribution estimates in the iESM
- 9:40 [Beth Drewniak](#) – Assessing the impacts of a new planting date scheme on crop productivity and yield in CLM-Crop
- 10:30 [Erwan Monier](#) – An agriculture module for CLM
- 10:50 [Lara Kueppers](#) – Effects of dynamic crop growth and irrigation on surface energy partitioning and climate over the continental U.S. using WRF-CLM
- 11:10 [Response to SSC request](#): Plans for and process of component model development and assessment

Parallel Session 2: SDWG – Water / CORDEX Joint Session – Chapman Room

- 8:30 [Bill Gutowski](#) – Introduction, NA-CORDEX structure, relation to CESM / SDWG and goals of this meeting
David Behar – WCRP working group on regional climate – wcrp.ipsl.jussieu.fr/regionalclimate/background.html
- 9:00 [Gerry Hatfield](#) – Ag sector needs from global and regional climate science
- 9:20 [Ammann / Kaatz](#) – Usable Climate Science for Society
- 9:40 [Linda Mearns](#) – Science priorities – Strawdog science questions
- 10:40 [David Behar](#) – Applications priorities
- 11:00 Applications discussion
- 11:10 [Joseph Barsugli](#) – Services priorities
- 11:20 Services discussion
- 11:30 Open discussion
- 1:30 Guided Discussion I – *Bill Gutowski, Linda Mearns, David Behar, Joe Barsugli*
- Developing the simulation plan and Coordination with ongoing NA CORDEX-like activities
- 3:00 *Break*
- 3:20 Guided Discussion II
- Developing the analysis plan
 - Developing the archival and data access plan – ESGF & CMIP lessons
- 4:30 Moving forward
- Implementation and agency support, Integration with CESM – SDWG efforts
- 5:30 *Adjourn*