

Draft Agenda, NCAR IAM Group Annual Meeting, July 19-20, 2012

Damon Room, NCAR Mesa Lab (<http://www2.ucar.edu/campus/mesa-laboratory>)

Thursday, July 19

- 8:00-8:30 coffee available
- Overview**
- 8:30-9:00 Brian O'Neill IAM group overview and introductions
- Socio-economic pathways**
- 9:00-10:30
- 20 Vanessa Schweizer, NCAR Status of work on Shared Socio-economic Pathways (SSPs)
- 20 Beth Bee, University of Denver Developing a framework for understanding challenges to adaptation
- 20 Dale Rothman, University of Denver Modeling Infrastructure Development in International Futures (IFs)
- 30 Discussion
- 10:30-11:00 Break
- Land use in iPETS**
- 11:00-12:30
- 20 Xiaolin Ren, NCAR Progress on land use in the iPETS model
- 20 Mike Dalton, NOAA Theoretical framework for spatial land use modeling
- 20 Prasanth Meiyappan, Univ. Illinois Progress on a spatial allocation model of land use change
- 30 Discussion
- 12:30-1:30 Lunch
- Land use**
- 1:30-3:00
- 20 Dave Theobald, Colorado State University Developing a land use (not cover) dataset and its potential applications
- 20 Atul Jain (Univ. Illinois) Biophysical (and economic) analysis of Bioenergy Crops
- 20 Avery Cohn, UC Berkeley and NCAR Representing National Land Use Policies in Global Integrated Assessment Models: Agricultural Intensification Policies in Brazil
- 30 Discussion
- 3:00-3:30 Break

3:30-5:00 **Land use/population modeling**
 20 Dan Runfola, CU Boulder & NCAR Quantifying spatial and temporal instability of land change
 20 Leiwen Jiang, NCAR NCAR demographic modeling
 20 Bryan Jones, NCAR Progress on spatial population modeling
 40 Discussion

5:00-5:30 Day 1 wrap-up discussion

5:30-7:00 Reception

Friday, July 20

8:30 coffee available

8:45-9:00 **Overview**
 Brian O'Neill Intro to Day 2

9:00-10:30 **Energy system modeling**
 20 Bas van Ruijven, NCAR Energy modeling in iPETS
 20 Keith Oleson, NCAR Building energy use in the Community Land Model - Urban (CLMU)
 20 Daniel Johansson, Chalmers University Reversing global warming using bioenergy with carbon capture and storage (BECCS)
 30 Discussion

10:30-11:00 Break

11:00-12:00 **Earth system interactions**
 20 Patrick Sullivan, National Renewable Energy Lab Long-term renewable resource variability
 20 Brian O'Neill, NCAR IAM interactions with earth system models
 20 Jean Francois Lamarque, NCAR Climate impacts of short-lived species
 30 Discussion

12:30-1:30 Lunch

1:30-3:00 **Impacts**
 20 Jordan Macknick, NREL Water and integrated assessment modeling
 20 Olga Wilhelmi, NCAR System for Integrated Modeling of Metropolitan Extreme Heat Risk
 20 Anton Seimon, Wildlife Conservation Society Climate change and nature conservation
 30 Discussion

3:00 - ? Wrap up discussion at the Southern Sun