International LAnd Model Benchmarking (ILAMB) project

- Model-data intercomparison project for AR5 climate-carbon models (AIMES project, next phase of C4MIP)
- Objective: To intercompare AR5 models using observations to better understand the processes that contribute to model differences in climate-carbon feedbacks
- Three components:
  - Transient simulations (1850-2008?) in which models are forced with observations (climate, CO2, N, land use …)
    - Exact same copy of model used for AR5 coupled runs
    - Uploaded to ESG
  - New data sets processed and assembled on ESG
  - Integration – scoring and assessment stage
    - Do the models that have high (or low) gains have predictable biases when compared with observations

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- Timeline is short:
- Summer 2009: Design model simulation protocols (QUEST meeting, ICDC Jena)
- Fall 2009 - Spring 2010:
  - Complete simulations
  - Assemble data sets
  - Develop software tools for data-model intercomparison
- Summer 2010 - Summer 2011
  - Write intercomparison papers – so that AR5 can draw from these papers
  - Weight the gain of the feedbacks by score against observations?

Questions

Do the WGs want to move forward with ILAMB, N-LAMP?

What are the data sets that need to get into N-LAMP and I-LAMB?

What model driver data sets should we use for the transient model simulations