

July 22, 2013 2:10pm PT
BioEarth Steering Committee Meeting

Location: Sloan 146

Teleconferencing at 509-335-4700, Meeting ID 3232#

Steering Committee Members: Adam, Brady, Chung, Evans, Kruger, Lamb, Liu, Stockle, Vaughan (all are welcome to attend)

Present: Serena, Jenny, Joe, Mike, Mingliang, Julian, Von, Chad

Agenda:

1. Short updates and progress reports by working group
 - a. Atmospheric: call last week with PNNL – working plan on where to go with loosely coupled research question related to droughts, ozone formation, and impacts (including on crops)
 - b. Terrestrial:
 - i. Rangeland – jenny and julian visited UCSB to begin development/parameterization of RHESSys for rangeland/grasslands and grazing
 - ii. Cultivated Ag – Kirti and Keyvan – keyvan working on adding mechanistically based evap losses due to irrigation, finalizing second version of VIC-CropSyst, presenting early results at ASABE this week; Kirti spending time with NASS statistics and comparing standardized yields against model runs. Creation of crop response curves for CGE econ group.
 - iii. Forest– use of the kepler workflow for the RHESSys application of forest thinning across a gradient of western US watersheds – starting first with Reynolds Creek.
 - iv. CI –
 1. Updating of Aeolus
 2. Kepler vision and progress
 3. (*Von’s suggestion - possibility of also working with python workbooks for data sharing – prop up an ipython server – where might we find funds for this? Sloan foundation?*) – ipython does clustering well – this will be very useful for the ABM integration with biophysical models....
 4. Meeting to be held with Christina Mailhiot – for long-term vision of clusters at the university
 - v. Econ – working towards the CGE of the 2-pronged econ project; work on understanding crop aggregation literature to understand how to simplify the problem with crop diversity (both biophysical and economic factors in aggregating); a few papers almost finished with relevance to BioEarth (seminars in the fall?): 1) Roza (curtailed historically) and Sunnyside (not curtailed) irrigation districts – everything else the same, is Roza more likely to move towards more efficient irrigation systems; 2) land-use change in perennials by land owners – who is adjusting acreage, who is

- entering/exiting production of perennials – info on production adjustment and therefore effects of price change on who plants, etc. 3) similar question on how those same land owners diversify across an orchard.
- vi. Comm – Liz’s paper published. Interpretation of stakeholder results – developing a spreadsheet to do this. Forum – starting discussions on this/overlapping with other projects. Next stakeholder meetings.
2. Nov 19-20 All-Hand Meeting (I will have a very preliminary agenda for us to discuss)
 - a. Goals:
 - i. Future funding discussions and products that can lead to future funding
 - ii. Going over model results – run a scenario, ask question on what that means, how to interpret
 - iii. Focused small group discussions?
 - iv. Student event????

The following items will be left for the next meeting – tentatively scheduled for Monday Aug 19 at 2:10pm PT

3. Webpage – summary of tasks submitted to working groups, discussion on what we want to do with the “Teams” pages.
4. Stakeholder results – creation of the “response by modelers” spreadsheet.
5. BioEarth Integration Topics for Fall semester
6. Peer Reviewers for next academic year
7. Discussion on “state of the project” – Where are we now? Where are we going? What do we need to do differently?