June 6, 2011 11am PDT

BioEarth Working Group #I Meeting (Cyberinfrastructure and Modeling Working Group)

Location: Sloan 146

Primary Option: Skype (with Video if you have a camera). My skype name is jennifer.c.adam

Back-Up Plan #1: teleconferencing at 509-335-4700, Meeting ID # 3202

Back-up Plan #2: videoconferencing at http://tinyurl.com/BioEarthVRoom

People involved in WG #1: Adam, Chung, Evans, Guenther, Harrison, Ananth K., Lamb, R.Leung, Stockle, Tague, Vaughan (all faculty, postdocs, students invited as well; students involved in modeling/cyberinfrastructure are strongly encouraged to attend)

<u>Agenda</u>:

1. Announcements and reminders
2. Go over meetings notes and milestones from April 11 Kick off meeting
3. Updates from individuals on any progress or decisions made since kick-off
4. Finish first year milestones
5. Discussion on decisions needing to be made (depending on who is able to attend). Topics for discussion are listed in the meeting notes for the kick off meeting.

<u>Notes from Meeting:</u>

Participants: Adam, Chung, Evans, Ananth, Vaughan, Anderson, Reyes, Allen, Poinsatte, F. Leung, Harrison

1. Announcements and reminders:
    a. Subawards going out this week
    b. Reminder about stand along model web material (particularly bioearth-relevant publications)
2. Discussion focused on cyberinfrastructure decisions
    a. Videoconferencing: when needing to share a screen, we may try and utilize the VirtualRoom but then do all audio through the WSU teleconference system
    b. Another decision to add to the list of decisions (from kick off meeting notes): what to do about the $60k donated by Dr. Grimes? Central or LAR cluster? **Action Item:** Ananth will identify a current user of the central cluster to find out more about it .
    c. First steps for CI team:
        i. **Action Item:** Joe will set up subversion tool on Aeolus for now.

      ii. **Action Item**: Joe will send out a list of requests to each contact person for each model that includes information as to: list of variables needed for model run (including units and spatial and temporal scales), code (as a tarball and with a check sum value or file for testing) and supporting files needed for test implementation.

      iii. One or two BioEarth students will become involved in the process of setting up the sequential runs on the cluster and then in maintaining the central archive of code as the model develops.

      iv. **Action Item:** Fok will set up VBulletin for model developers to communicate interactively.

d. Emissions data: need to identify what emissions data will be used for historical and predictive runs (both Harrison and LAR have emissions data; we will need to compare the datasets). We also need to decide how much we will do towards the MEA scenarios over the PNW.

e. There is a need to collect testing/evaluation data

      i. Data to test that results are similar as models move from sequential to iterative

      ii. Observed/experimental data to test if models are capturing key processes (primarily for offline eval runs)

      iii. Need to be careful with the word "data" – mention if observed or simulated as people have different interpretations

f. Communications Research.

      i. **Action Item**: Liz Allen will be setting up interviews with PIs individually. Please respond to her quickly.