MINUTES
PINEMAP Executive Committee Meeting
June 20, 2013

Meeting recording link: http://ufifas.adobeconnect.com/p5reiuujod8/

Attendees

Jessica Ireland	Ross Whetten
Tim Martin	Tom Byram
Rod Will	Randy Wynne
Damian Adams	Gary Peter
Steve McNulty	

BUSINESS ITEMS

Communication (Tim Martin)

- Please continue with your regular Aim meetings. Looking at progress in the last year as well as feedback from the annual meeting survey, it's clear that these regular Aim meetings are really helpful. If you don't have the next slate of Aim meetings scheduled, I encourage you to do so. If you haven't been meeting as regularly, please make a point to step this back up.
- We are searching for ways to encourage and facilitate cross-Aim communication. In the annual meeting survey, we heard that there is still room for improvement related to cross-Aim communication. The management team has been exploring ideas to improve and facilitate this type of communication, and we would like to propose implementing quarterly project-wide webinars ("All Team PINEMAP," or "ATP" meetings). These would be focused on/organized around a specific topic, with an opportunity for brief updates from each Aim. The first of these meetings would be this fall. Timing will be an issue; we'll try to schedule these a couple of months in advance; clearly everyone won't be able to make it, but we'll do the best we can.
- We are also working with Aim 6 to start back up the internal webinar series, with the focus of the next series being on graduate student research. These will occur once a month starting in the fall, with each Aim assigned a month.

Reporting (Jessica Ireland)

- NIFA requires two reports/year: the continuation proposal for the next year's funding in September of each year and the online REEport (formerly the CRIS report) in December of each year.
- Based on these requirements, we've opted to reduce the number of progress reports required of Aims each year. We will only ask for 2 progress reports/year (one in September and one in March). The complete timeline is as follows:

Reporting Timeline

Year	Report	Date
Year 3 (2013-2014)	Aim Year 3 Progress Report 1	September 6, 2013
	Continuation Proposal (Year 4)	September 2013
	Progress Report (REEport system)	December 1, 2013
	Aim Year 3 Progress Report 2	March 21, 2014
	Year 3 Annual Report	April 2014
Year 4 (2014-2015)	Aim Year 4 Progress Report 1	September 5, 2014
	Continuation Proposal (Year 5)	September 2014
	Progress Report (REEport system)	December 1, 2014
	Aim Year 4 Progress Report 2	March 20, 2015
	Year 4 Annual Report	April 2015
Year 5 (2015-2016)	Aim Year 5 Progress Report 1	September 4, 2015
	Progress Report (REEport system)	December 1, 2015
	Aim Year 5 Progress Report 2	March 25, 2016
	Final Report	April 2016

- We have received positive feedback regarding the format of the annual report, and plan to do a similar report next year. We would like to start the process of identifying article topics and writing earlier so that we are not as rushed and have more time for the review and editing phase. The management team will review the September Aim progress reports and begin to identify potential topics which will then be discussed with the EC and during the fall project-wide ATP webinar (October). We will then ask authors to begin writing drafts in November. The report will again be finalized and published prior to the annual meeting.

2014 Annual Meeting dates/venue (Jessica Ireland)

- Based on spring 2014 academic calendars, we would like to propose May 14-16, 2014 as the dates for the next annual meeting. We were extremely pleased with the facilities and service at the UGA Hotel and Conference Center and would like to use them as the venue for next year's meeting.
- There may be a conflict with OSU and TAMU summer camps, and Tim will follow up with Rod Will and Jason Vogel on this.
- We will send a save the date to the list serv next week.

ROUND ROBIN UPDATES

- What emerged from the annual meeting?
- What does the coming year look like for your Aim?

Aim 4 (Damian Adams)

- We realized we needed more face time; Aim 4 is scheduling an in person meeting in October.

- We found a lot of "low hanging fruit" not specifically promised in proposal, but a good use of our time, at the last annual meeting. There are a number of additional papers and mini projects that we now have in the works.
- We are pleased with discussions regarding integration with Aim 2 that took place at the annual meeting and will continue to work on this effort.
- We are really going to push to integrate our own work within the Aim and get synced up with Aim 2 so that we have a nice, compatible modeling approach that will be useful to other Aims.

Aim 1 (Rod Will)

- Fruitful annual meeting: discussed Tier II data formats, mortality at Tier III.
- Tried to get a better handle on research that students and postdocs are doing.
- Discussed protocols for sap flux data processing, soil nutrient, carbon, biomass data.
- Discussed an overview paper for Tier III which we are working on this summer.

Aim 2 (Steve McNulty and Randy Wynne)

- By late July, early August, we will give Bob Abt our % change model for productivity with WaSSI (baseline and future runs) for him to use in his economic models.
- Submitted a paper to *Forest Ecology and Management* on nitrogen availability—use existing eddy flux tower data to look at productivity, specifically nitrogen productivity, mineralization rates: how representative are these eddy flux tower mineralization rates to a large geographic area. If eddy flux towers are on more productive or less productive sites, they can over or under estimate evapotranspiration and C exchange. Since so many models are based on eddy flux data, this is an important question.
- We followed up on scenario activity from annual meeting. We looked at draft list from Tom Fox:
    1. CO_2 change in the atmosphere.
        a. Current CO_2 concentration
        b. Future CO_2 concentrations
    2. Climate scenarios
    3. Site/Soil Type.
        a. Well drained, Sandy Texture
        b. Well drained, Clay Texture
        c. Poorly drained, Sandy Texture
        d. Poorly drained, Clay Texture
    4. Silviculture Intensity. These might correspond to the management practices of small landowners, and the range of practices used by industry.
        a. Plant (minimal site prep = SI 60)
        b. Plant + Low Intensity Silviculture (site prep and competition control = SI 70)
        c. Plant + High Intensity Silviculture (site prep, competition control, fertilization = SI 80)
    - Discussion circulated within Aim 2 group, Bob Teskey taking lead on continuing this discussion among a larger group.
    - During meeting and afterwards, we made it clear that despite our lack of interest in CO_2 increases, it is absolutely essential that we do this; we've come up with

mechanisms that will make this happen (i.e., 3-PG—canopy quantum; WaSSI—water use efficiency, LAI can be adjusted accordingly). We realize this is an essential part of the model framework.
- Discussions re: addressing fertility rating in 3-PG; group at VT looking at site index-based way of adjusting fertility rating.
- Agreeing upon scenarios, especially with respect to management will be important as we move forward.
- We really need to know relative proportion of intensity classes with respect to silviculture currently and post-PINEMAP.

Aim 3 (Tom Byram and Ross Whetten)

- Thanks to Rod for help with WGFTIP meeting—had mtg. in OK; Rod gave presentations on PINEMAP, went to Tier III site—very good moment to integrate folks in genetics with PINEMAP.
- Talking with Steve McNulty with possibility of using WaSSI to model water availability and incorporate that into our URF model for deployment. We've started with the Western Gulf material; intent is to see how useful this is before we request data for other 2 projects; we are working on this throughout the summer.
- Beginning to scale up sequencing projects. We really need to do DNA collection at Tier III sites before there is mortality; working on protocol to get that done—hope to complete before end of summer.
- Steve McKeand is redoing seeding deployment survey we did in 2002, so we'll have a benchmark for how seedlings are being deployed, what kind of genetics, affected population sizes, diversity, etc.
- Scaling up sequencing analysis—Jason Holliday est. contact with test site for PSSS study in VA; test is intact and not yet thinned; all trees from 100 families planted there are still available; working on sampling protocol and getting DNA samples collected and extracted
- Working on identifying another site in N TN; most different from coastal GA site in terms of climate; will be collecting tissue sites later this summer
- DNA sampling at Tier III sites will be extraordinarily valuable, even if we only collect foliage samples from measurement plots; being able to compare genetic composition of individuals that die early vs. ones that die late will be very interesting in long run; by end of project, may be able to completely resequence genes of interest from Tier III sites.

Next EC Meeting: Thursday, July 18, 2013, 9:30-10:30 a.m. EDT