

PINEMAP Executive Committee Meeting

Thursday, January 12, 2012, 9:30-10:30 a.m. EST

--MEETING MINUTES--

Participants in attendance:

Jessica Ireland	Ross Whetten
Tim Martin	Steve McNulty
Bill Hubbard	Tom Byram
Eric Taylor	Gwendolyn Boyd
Lisa Samuelson	Mike Kane
Rod Will	Martha Monroe
Damian Adams	Tom Fox

Administrative updates (Tim Martin)

- Year 2 funding: We've submitted answers to year 2 budget questions to NIFA, full funding should be released on time. Given the federal budget constraints, it's great that we are receiving full funding and obvious that NIFA is supporting these projects.
- No-cost extensions: To ensure there is no lapse in funding, we are going to go ahead and submit a no-cost extension for year 1 funding.
- Change in IDC rate: sent an e-mail in Dec. to institutional coordinators about this; should not be an issue, as most universities are "held harmless" for the duration of the grant when changes like this occur, but I wanted to remind folks to confirm that this is the case at your institution.

Year 1 Annual Report (Tim Martin)

- NIFA has provided us with a required year 1 annual report template; the deadline for submitting the annual report to NIFA is **February 29, 2012**.
- **We will need some items from Aim groups in order to complete the report:**
 - Aim group work plans for year 2 (March 1, 2012-February 28, 2013)
 - We already have work plans through Sept. 2012, so we need to expand those to go through Feb. 28, 2013
 - Jessica will send existing work plans and Aim groups will build on these. Deadline for Aim groups to submit year 2 work plans for inclusion in annual report is **January 30** (Aim 2 will need additional time).
 - It was suggested that quarterly tasks would be more appropriate than monthly, as was required in original work plan template.
 - Information, etc. for highlight sidebars (1-2 per Aim group)—1-2 highest impact, most interesting, best graphic, etc. that you'd like to highlight in side bar. Please be prepared to assemble info. to build these sidebars within the next month.

- Agreed upon annual report timeline: (red dates indicate deadlines for Aim Leaders)
 - January:** Jessica, Tim draft various portions of report; identify information needs from Aim groups
 - January 30:** Aim Leaders submit year 2 work plans for inclusion in annual report
Draft report sent to Aim Leaders for revision, additional information
 - February 10:** Aim Leaders submit revisions, additional information to Jessica; Jessica sends to Project Management Team for final review, editing
 - February 17:** Project Management Team completes review/revision
 - February 22:** Jessica completes layout/design and sends to Project Management Team for final review
 - February 29:** Required report copies sent to NIFA via e-mail, Fed Ex

Round Robin Updates (Aim Leaders)

Aim 1 (Mike Kane & Tom Fox)

- Initiated transfer of Tier 1 data, Coops sending data in to Brandon Hoover, Data Manager.
- Holding off on Tier 2 data until Tier 1 data is complete and we are finished with Tier 3 sites.
- Ongoing installation of 4 Tier 3 sites—should be up and running this spring.
- Nitrogen fertilizer efficiency work N15 study—7 sites installed in 2011, monitoring sites for nutrient uptake with different fertilizer sources; Dec., Jan., final destructive harvest, will be starting mass spec analysis for N15 soon—should have data early in spring.
- Need to coordinate with Aim 2 to discuss what’s needed for Tier 2 installations.
- Measurement protocols still being developed (Dan M. working on soils; Lisa S., Duncan W., Rod W. have draft of C protocol; Brian S. working on NO_x fluxes)

Aim 2 (Steve McNulty)

- Case study of management and climate effects: clear cut and mature stand being used—interesting work coming out of this—retranslocation of water from lower to upper soil horizon (J.C. Domec just submitted paper on this work); Asko Noormets and Ge Sun working on carbon budgets and water budgets and papers on this (one paper focuses WASSI model at regional scale).
- Conf. call in Nov. re: developing and assessing management alternatives with Tier 1 data and existing models of C sequestration—discussion re: potential methods, ease, cost, reproducibility of protocols, linking to existing data.
- Sampling protocol in place—field plot layout, treated buffer, looking at old and new plot boundaries, changes to dimension of space, survey methods for stem, stump surveys, C balance and C stocks on sites. Also, woody shrub measurements—how measured and at what intervals. Finally, discussion on vegetation, litter, and soil sampling and respiration.
- Next thing we need to do: Integration. So far, we’ve est. and linked types of data we’re collecting; need to address model integration—linking databases, linking model inputs and outputs.

Aim 3 (Tom Byram/Ross Whetten)

- Data manipulation—working on scripts to transfer Tier 1 data into format useful for project; standardizing format that tree improvement coops will use.
- URF: data has been formatted; waiting on weather records.
- Testing genome reduction methods—Kostya Krutovsky working on experiment for methods for extracting fragments of genomic DNA part of functional genes and getting sequencing data; NC State, UF, and VT testing alternative ways of isolating random fragments of genomic DNA that can be isolated and sequenced more cost effectively.
- Pursuing owners of germplasm that we've decided to work with—primary tree 756; 201010, reference genotype being sequenced by pine sequence gene product—linking data that we obtain to published information in next year or two.
- CCLONES—Gary Peter taking additional measurements on these sites; ADEPT2 had only 10% survival rate after planting at Macon site—won't be able to collect genotypes on these trees; will affect allele discover process in next year.
- Coordinating with Aim 2: whether collecting foliage samples under conditions that would preserve DNA integrity for trees collecting stable isotope data on (all tree measurements that can be used to infer water, nitrogen use efficiency, translocation parameters can be subject to genetic analysis). Genotyping is getting cheaper—in a year or two, we'll be able to afford genotyping on all of these samples. Dried foliage can be used to isolate DNA, glued mounted wood strips not suitable.

Aim 4 (Damian Adams)

- In terms of assessing policies and programs affecting C mitigation, we've completed reviews of non-governmental programs, looking at regional markets, will also look at federal and state programs.
- Modeled regional timber markets based on business-as-usual assumptions using Sub-regional Timber Supply Model.
- NPV analysis, adaptive management impacts moving ahead; still looking at formatting precip. and temp. data.
- Landowner survey to assess mitigation and adaptation strategies is well under way—over 200 responses so far.
- Assessed carbon emissions from various silvicultural activities using LCA approach, calculated overall global warming impact.
- Sub-regional Timber Supply Model being used for modeling economic losses from SPB outbreaks as well as other disturbances.

Aim 5 (Martha Monroe)

- Grad course starts next week.
- PLT module:
 - Developed relationship with national PLT—developed draft scope and sequence for module we're developing.
 - Inviting people to be on PLT Advisory Committee.
 - Drafted needs assessment to send to high school teachers (and working on identifying teachers to survey).
- Intern program moving along.
 - Reminder: now is time for grad students to apply to work with an undergrad intern over the summer and find qualified undergrads to apply to be an intern—applications available on web site.

Aim 6 (Bill Hubbard)

- Ready to engage Extension forestry counterparts in all states we are working in—had an informational webinar in early-Feb. to give them an idea of project, scope, deliverables, and offer them an opportunity to get involved up front. Ultimately, we will extend efforts to larger group of stakeholders, eventually create state teams to deliver PINEMAP message.
- Internal webinar series ongoing, are archived for later viewing.
- Working on a number of fact sheets—forest health and resiliency, decision tree on to plant or not to plant; working on common template for PINEMAP fact sheets.
- Looking into online learning opportunities.
- Working towards presenting at Association of Natural Resource Extension Professionals conf.
- eXtension—working to provide southern pine plantation component to existing Forests and Climate topic area.
- 3 successful Extension-climatologist conf. calls—climatologists have great amount of interest in learning about forestry, concerns, etc. Opportunity to create a forestry 101 training module for climatologists in South.

Year 1 Annual Meeting (Tim Martin)

- May 15-16, Georgia Tech Hotel and Conference Center (also opportunity for Aim groups to have additional meeting time morning of May 17).
- Theme is going to be “Integration”—first year has been Aim-level focus on getting disciplinary work in place, good communication among Aims. Moving into year 2, need to focus on integration, doing transdisciplinary work. Good opportunity to do front work on development of Decision Support System.
- There will be activities focused on building cross-Aim linkages, more info. to come.
- Dedicated time for Aim-level work—we will be working with Aim Leaders to develop agenda for these Aim-level meetings.
- Ross W.—DSS—interested in objectives for deployment tool; Aim 3 objective is to advise landowners on what trees to plant and what regions; need to think about how to make this data available to general public—good topic for discussion at meeting.

Link to web conference recording: [View the Blackboard Collaborate recording](#)

NEXT EC MEETING: February 9, 2012, 9:30-10:30 a.m. EST