



Meeting Agenda | May 24-26, 2016 | Warnell School

Meeting Objectives:

1. Share research results and primary interpretations
 2. Collaboratively assess PINEMAP accomplishments
 3. Discuss implications for communicating findings to various audiences
 4. Plan 2nd order integrative analyses
 5. Finalize DSS completion pathway and public data release
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Day 1: Tuesday, May 24

8:00-8:30 General Welcome & Overview

Panel Session listening tasks for audience during presentations:

- *Task 1:* Confirmatory/surprising element of science
- *Task 2:* Who will want to know this and how do we get it to them: mitigation and adaptation goal context, management/ behavior change

Panel Session Discussion:

- What is novel? (How far have we come?) -- Confirmatory/surprising element of science
- Where do we have consensus? Where are friction points?
- Can we settle or set up structure to discuss later?

8:30-9:15 Panel Session A - Presentations & clarification questions

1. Regional net ecosystem productivity- net primary productivity tradeoffs: the role of soil respiration (By Strahm, Seiler, Markewitz, Wynne, Q. Thomas, Brooks). Presented by Brian Strahm.
2. The effects of rainfall reduction and nutrient availability on net ecosystem productivity. (by Bracho, Noormets, Gonzalez, Martin, Vogel, Markewitz). Presented by Rosvel Bracho

9:15-10:15 Panel Session A - Discussion

10:15 -10:30 BREAK

10:30-11:15 Panel Session B - Presentations & clarification questions

3. Thinning, fertilization and weed control effects on soil, detrital, and biomass carbon pools: A regional assessment. By Akers, Bacon, Bracho, Burkhart, Cucinella, Fox, Gonzalez, Grunwald, Jokela, Kane, Laviner, Martin, Meek, Ross, Vogel, Will. Presented by Jason Vogel
4. Regionalization of nitrogen use efficiency. Presented by Jay Raymond
5. Synthesis of regional sap flow and hydraulics: how does reduced precipitation and fertilization affect water use and how do site characteristics change that relationship? By Ward and many others. Presented by Eric Ward

11:15-12:15 Panel session B - Discussion

12:15-1:30 LUNCH & Feedback Session on Extension Handbook, DSS, Posters

1:30-2:15 Panel Session C - Presentations and clarification questions

6. Regional loblolly pine productivity and sequestration forecasting with Physiological Principles Predicting Growth using a Bayesian Data Assimilation Framework. By Q. Thomas, Wynne, Brooks, Ward, V. Thomas, Jersild, Dinon-Aldridge (for MACA data contributions), Sampson (for model parameterization and priors), [for plot data contributions: Gonzalez, Seiler, Bracho-Garrillo, Fox, Burkhart, Noormets, Albaugh], Teskey (for plot data contributions and priors/parameterization). Presented by Quinn Thomas
7. Loblolly pine Growth & Yield regional simulations. By Burkhart, Brooks, Dinon Aldridge, Sabatia, Gyawali, Wynne, V. Thomas. Presented by Evan Brooks

2:15-3 Panel Session C - Discussion

3-3:30 BREAK

3:30-4:15 Panel Session D - Presentations and clarification questions

8. Community Land Model predictions of carbon cycling in pine plantation ecosystems of the Southeastern U.S. over the 21st century. By Q. Thomas, Ahlswede, Wynne, ... Presented by Quinn Thomas.
9. WaSSI predicts increased forest productivity and decreased stream flow across the southeastern US during the 21st century By G. Sun, Ward, McNulty, Mack, Dinon Aldridge, Gonzalez-Benecke. Presented by Steve McNulty

4:15-5 Panel Session D Discussion

5-5:30 Wrap-up activity: Creating consensus on project outcomes

6-9:30 Dinner at Flinchum's Phoenix

Day 2: Wednesday, May 25

8:30-10:30 Recognizing research, education, & Extension achievements in PINEMAP
Identifying and recognizing the full range of contributions to our outcome themes.

10:30-10:45 BREAK

10:45-12:00 Overcoming Communication Challenges

Consider our findings: what results or misinterpretations could cause problems? How can we communicate more strategically to avoid or better manage misinterpretation of PINEMAP results?

12:00-12:30 Orientation to 2nd order papers activity

12:30-1:30 LUNCH AND GROUP PHOTO

1:30-5:30 2nd Order Papers Working Sessions & Plenary Discussion

1. Ensemble modeling of pine productivity over the 21st century. (by Q. Thomas/R. Wynne/E. Brooks, authors on all individual model papers, Sabine, Wade Ross)
2. Life cycle impacts of certified wood under a changing climate. (by Puneet, Bob T., Dan M., Mark M., James McC., Gary P., Bob A.)
3. The future of southern timber markets: PINEMAP and the sub-regional timber supply model. (by Bob A., Jesse H.)
4. Soil C in a dynamic management and climate environment (Sabine, Wade, others?)
5. Water: Carbon tradeoffs in planted pine (sap flow, WaSSI, regional C models) (Eric W, Ge S., Steve McN, others?)
6. Management effects on ecosystem C (soil respiration, Tier I, II, III analyses) (Markewitz, Vogel, others?)
7. Management path to get to our 15%- what has to change on how much acreage (Wynne, Fox, others)
8. Process paper: interdisciplinarity, research/outreach interaction, social network analysis (Wendy-Lin, others?)
9. Incorporating effective education and outreach opportunities in interdisciplinary research (Monroe, Oxarart, Kidd, Li, Ritchie, Seiler)
10. PINEMAP's outreach evaluation: translating results for foresters and Extension. (by Eric Taylor, Leslie Boby (co-leaders); Heather D., Corey D., Mark M., Bill H., Dan G., Rachel B.)

1:30 – 2:00 Brainstorming session to ID additional papers.

2:00 – 3:00 Working Session 1 - Choose your first priority paper.

3:00-3:30 BREAK

3:30 – 4:00 Working Session 2 - Move to your second priority topic.

4:00 – 5:30 Report back for discussion:

Results (actual or anticipated), how to message your results, which audience would be most interested – packaging, medium

5:30-6:00 Team Science: What have we learned?

Day 3: May 26

8:00-10:00 PINEMAP's Legacy

- **8-9 --- Terra C**

Creative commons licensing consensus, tracking of data downloads, attribution tags for data, timing of public data release, authorship concerns, ownership and format for continued citation, Tier I data negotiations

- **9-10 --- DSS**

Updating existing tools, additional tool development

10-10:15 Timeline Activity - How have your perspectives changed over the course of the project?

10:15-10:30 BREAK

10:30-12:00 Packaging PINEMAP results: a path forward

Final report, joint coop meeting rollout & future cooperation/ collaboration, framing the next NIFA RFA, leveraging our built capacity & resources