



Center for Advanced Forestry Systems



Semi-Annual CAFS IAB Meeting & Field Tour

June 11-12, 2024

Edgewater Hotel, Madison WI

<https://maine.zoom.us/j/84450460761>

Hosted by the University of Maine, Center for Research on Sustainable Forests

Field tour June 12, 2024: WholeTrees and University of Wisconsin Arboreteum

IAB Meeting Agenda

Tuesday, June 11, 2024, Central Standard Time

Time	Item	Presenter
7:30 AM	Breakfast in Meeting Room	-
8:30 AM	Welcome/Overview/Introductions	Aaron Weiskittel, UM
8:40 AM	CAFS Lead Site & Phase III Updates	Aaron Weiskittel, UM
<i>Continuing Project Updates</i>		
9:00 AM	16.69. Stand and tree responses to late rotation fertilization	Kim Littke, UW
9:15 AM	19.75. Assessing and mapping regional variation in site carrying capacity	Jaslam Poolakkal, UI
9:30 AM	19.76. Assessing and mapping regional variation in potential site productivity	Andrew Trlica, NCSU
9:45 AM	20.78. Intraspecific hydraulic responses of commercial tree seedlings to nursery drought conditioning	Andrei Toca, PU
10:00 AM	20.79. Multi-regional evaluation of new machine learning algorithms for mapping tree species distribution abundance	Kasey Legaard, UM
10:15 AM	Continuing Projects Review, Discussion and Vote	IAB
10:30 AM	Break	
11:00 AM	20.80. Using hyperspectral imaging to evaluate forest health risk	John Couture, PU
11:15 AM	20.81. Resilience of soil organic matter to harvesting: A global study of long-term soil productivity experiments	Jeff Hatten, OSU
11:30 AM	20.84. Physiologic response to commercial fertilization programs in Pacific Northwest forest plantations	Kim Littke, UW
11:45 AM	21.85. Variation in productivity, wood quality & soil carbon of nine conifer species across a gradient in water deficit	Carlos Gonzalez-Benecke, OSU
12:00 PM	21.87. Linking leaf area index and remote sensing across different forest types	Andrew Trlica, NCSU
12:15 PM	Continuing Projects Review, Discussion and Vote	IAB

12:30 PM Lunch Break		
<i>Continuing Project Updates</i>		
1:30 PM	21.88. Quantifying silvicultural treatment effect on lumber quantity and quality in loblolly pine	Joe Dahlen, UGA
1:45 PM	21.89. Quantifying carbon sequestration as a function of silvicultural treatment in loblolly pine	Joe Dahlen, UGA
2:00 PM	21.92. UMaine/UMFK START	Kennedy Rubert-Nason, UMFK
2:15 PM	22.98. Center for Advanced Forestry Systems Interactive Mapping Platform (CAFSIMP)	Okan Pala, NCSU
2:30 PM	Continuing Projects Review, Discussion and Vote	IAB
3:00 PM Break		
3:15 PM	23.100 Use of carbon isotopes for assessing tree response to thinning	Lila Beck, UM
3:30 PM	23.101 Site-stand dynamics and pine beetle mortality in ponderosa pine ecosystems	Haley Anderson, UI
3:45 PM	23.102 Enhancing Resistance to Fungal Pathogens in Commercial Tree Seedlings	Abby Ferson, UI
4:00 PM	23.103 Determination of crown morphological traits using laser scanning in Douglas-fir and loblolly pine genetics trials	Doug Mainwaring, OSU
4:15 PM	Continuing Projects Review, Discussion and Vote	IAB
5:00 PM Adjourn		
6:30 PM Dinner		
Wednesday, June 12, 2024, Central Standard Time		
7:30 AM Breakfast in Meeting Room		
<i>Finishing Project Updates</i>		
8:00 AM	20.82. Stand response to thinning: Enhancing response prediction through modeling	Eric Turnblom, UW
8:15 AM	22.99. The effects of dominant tree height definition on loblolly pine growth and yield model outputs	Bronson Bullock, UGA
<i>New Project Proposals</i>		
8:30 AM	Robust small-area estimation strategies for developing accurate stand-level diameter distributions	Jaslam Poolakkal, UI
8:45 AM	Refining stand-level species distribution estimates using alternative small area estimation methods and high-	Kasey Legaard, UM
9:00 AM	Integrating SAE methods with stand-level forest inventory and growth projection for southern pine plantations	Sheng-I Yang, UGA
9:15 AM	Using Small Area Estimation and 3D-NAIP/Sentinel-derived Variables for Multivariate Prediction of Stand Attributes	Sukhyun Joo, OSU

9:30 AM	The Interplay between Sampling Design and Small Area Estimation to Improve Stand- and Forest-level Estimates	Temesgen Hailemariam, OSU
9:45 AM	The Effect of Silvicultural Treatment on Douglas-fir Stem Form	Doug Mainwaring, OSU
10:00 AM	New Projects Review, Discussion and Vote	IAB
10:15 AM	BREAK	
<i>Concurrent Business Meetings</i>		
10:30 AM	IAB Closed Door Business Meeting	IAB Members
10:30 AM	Site Directors Business Meeting	CAFS Site Directors
11:45 PM	IAB/Site Meeting follow-up	All
12:15 PM	Adjourn	
12:30 PM	Lunch Break/Amelia Baxter WholeTrees CEO	
1:30 PM	WholeTree HQ/Festival Foods (Walking Tour & Discussion)	
3:00 PM	University of Wisconsin–Madison Arboretum (WholeTree Scanning by Derek Mayhew, VP of Operations and Team; Remote Sensing Overview and Demo by Dr. Phil Townsend and team)	
5:00 PM	Social Hour	
	6:30 PM Transport back to hotel	

