



Center for Advanced Forestry Systems



Semi-Annual CAFS IAB Meeting & Field Tour

June 7-8, 2022

Salish Lodge, Snoqualmie WA

<https://maine.zoom.us/j/3914609418>

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

Field tour June 8, 2022: Digital technology (forest inventory & soil mapping), SMC type 1 & 3 installations

IAB Meeting Agenda June 7, 2022 Pacific Time

Time	Item	Presenter
7-8 AM	Breakfast in Salish Ballroom Meeting Room	
8:00 AM	Welcome/Overview	Aaron Weiskittel, UM
8:05 AM	CAFS Lead Site & Phase III Updates, Funding Opportunities	Aaron Weiskittel, UM
8:15 AM	Current university forestry R&D capacity	Bob Wagner, PU
8:35 AM	NAFO's USDA Climate Smart Proposal	Edie Sonne Hall, Three Trees Consulting
8:55 AM	IAB Discussion	All
<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 potential site productivity	Rachel Cook, NCSU Cristian Montes, UGA
9:30 AM	19.76 Assessing and mapping regional variation in site carrying capacity	Mark Kimsey, UI
9:45 AM	20.78 Intraspecific hydraulic responses of commercial tree seedlings to nursery drought conditioning	Andrei Toca, PU
10:00 AM	Break	
10:15 AM	20.79 Multi-regional evaluation of new machine learning algorithms for mapping tree species distribution and abundance	Kasey Legaard, UM
10:30 AM	20.80 Using hyperspectral imaging to evaluate forest health risk	Sylvia Park, PU
10:45 AM	20.81 Resilience of soil organic matter to harvesting: A global study of long-term soil productivity experiments	Carlos Gonzalez, OSU

11:00 AM	20.82 Stand response to thinning: Enhancing response prediction through modeling	Eric Turnblom, UW
11:15 AM	20.83 Using predictive analytics to decompose site index	Jason Cross, UW
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 and soil carbon of nine conifer species across a gradient in water deficit	Emily Von Blon, OSU
12-1 PM Lunch Break		
<i>Continuing Project Updates</i>		
1:00 PM	21.86 Stem form of nitrogen fertilized Douglas-fir trees	Doug Mainwaring, OSU
1:15 PM	21.87 Linking leaf area index and remote sensing across different forest types	Andrew Trlica, NCSU
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	21.90 Improving forest sample estimation through UAS canopy structure stratification	Logan Wimme, UI
2:15 PM	21.91 NCSU START	Rachel Cook, NCSU
2:25 PM	21.92 UMaine START	Aaron Weiskittel, UM
<i>New Projects</i>		
2:35 PM	22.93 UMaine INTERN	Ryan Smith, UM
2:50 PM	22.94 NCSU INTERN	Rachel Cook, NCSU
3:05 PM Break		
<i>Concurrent Business Meetings</i>		
3:30 PM	IAB Closed Door Business Meeting	IAB Members
3:30 PM	Site Directors Business Meeting	CAFS Site Directors
4:15 PM	IAB/Site Meeting follow-up	All
4:30 PM	Field Tour Preview	Bruce Ripley
5:00 PM Adjourn: Dinner at William Grassie 6-9pm		

Wednesday, June 8, 2022		
CAFS Field Tour Hosted by UW, WA DNR, & Manulife		
7-745 AM	Continental Breakfast (Salish/Snoqualmie)	
8:00 AM	Bus departs Salish	
morning	Manulife forestland: operational LiDAR	David Wilkinson
Lunch	Federation Forest State Forest: digital soils mapping	Colby Brungard
afternoon	WA DNR Holder 1A SMC Type III Installation: Digital inventory	Eric Turnblom/ Peter Gould
4:30 pm	Return to Salish Lodge	
6:30 pm	Dinner at Snoqualmie Falls Tavern (in town)	