



Center for Advanced Forestry Systems



Semi-Annual CAFS Virtual IAB Meeting

December 8, 2025

2-5 PM ET

[ZOOM Link: CAFS 12.8.25](#)

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

Time	Item	Presenter
2:00 PM	Welcome/Overview	Aaron Weiskittel, UM
2:05 PM	CAFS Lead Site, Phase IV Updates	Aaron Weiskittel, UM
<i>Continuing Project Updates</i>		
2:15 PM	Jupyter Notebook demo for SDImax models	Mark Kimsey, UI
2:20 PM	19.75. Assessing and mapping regional variation in potential site productivity	Rachel Cook, NCSU
2:25 PM	20.79. Multi-regional evaluation of new machine learning algorithms for mapping tree species distribution abundance	Kasey Legaard, UM
2:30 PM	23.100. Use of carbon isotopes for assessing tree response to thinning	Lila Beck, UM
2:35 PM	23.101. Site-stand dynamics and pine beetle mortality in ponderosa pine ecosystems	Haley Anderson, UI
2:40 PM	23.104. The Interplay between Sampling Design and Small Area Estimation to Improve Timberland Inventory	Suchana Aryal, OSU
2:45 PM	Continuing Projects Review and Discussion	IAB
<i>Continuing Project Updates</i>		
2:50 PM	24.105. Robust small-area estimation strategies for developing accurate stand-level diameter distributions	Jaslam Poolakkal, UI
2:55 PM	24.106. Integrating SAE methods with stand-level forest inventory and growth projection for southern pine plantations	Sheng-I Yang, UGA
3:00 PM	24.107. Using Small Area Estimation and 3D-NAIP/Sentinel-derived Variables for Multivariate Prediction of Stand Attributes	Sukhyun Joo, OSU
3:05 PM	24.108. The Effect of Silvicultural Treatment on Douglas-fir Stem Form	Doug Mainwaring, OSU

Continuing Project Updates		
3:10 PM	25.110. Silviculture by genetics loblolly pine research trial	Bronson Bullock, UGA
3:15 PM	25.111. Quantifying wood property variation and carbon sequestration from different loblolly pine families	Joe Dahlen, UGA
3:20 PM	Continuing Projects Review, Discussion and Vote	IAB
New Project Proposals		
3:30 PM	UGA FVS	Sheng-I Yang, UGA
3:40 PM	VP FVS API	David Diaz, VP
3:50 PM	LiDAR and high-res site index	Mark Kimsey, UI
4:00 PM	UM Species Mapping	Kasey Legaard, UM
4:10 PM	UM Carbon Isotope	Lila Beck, UM
4:20 PM	UM Digital Soils Mapping	Mike Premer, UM
4:30 PM	PU Forest Health	Doug Jacobs, PU
4:40 PM	Enhancing GY Model Accuracy and Transferability Through Open Data	Temesgen Hailemariam, OSU
Concurrent Business Meetings		
4:50 PM	IAB Closed Door Business Meeting	IAB Members
4:50 PM	Site Directors Business Meeting	CAFS Site Directors
5:00 PM	1-minute wrap-up and Adjourn	

<https://crsf.umaine.edu/cafs/>