



WFLC and CWSF Fall Meeting | November 5-6, 2024


Inventory, Monitoring, and Assessment Research


Effective policy development and stewardship of U.S. forests and rangelands relies on solid data and information about the status of resources. Inventory, Monitoring, and Assessment Research (IMAR) undertaken by the Forest Service and university partners provides these foundational data and tools. IMAR is comprised of a set of programs that collect, analyze, and share data to track the health, biomass, extent, and ownership of U.S. forests and rangelands. IMAR also integrates and synthesizes information to increase understanding about the effects of landscape and climate change on important resources such as carbon, wildlife, forest products, biodiversity, urban forests, water, outdoor recreation, wilderness, and ecosystem services.

Representatives at meeting:




- **Renate Bush**, Forest Inventory and Analysis (FIA) National Program Lead; Inventory, Monitoring, and Assessment Research, USDA Forest Service, Washington Office, Renate.Bush@usda.gov
- **Katie Renwick**, FIA National Analyst; Inventory, Monitoring, and Assessment Research, USDA Forest Service, Washington Office, Katherine.Renwick@usda.gov
- **Ben Irej**, Research Social Scientist, Bureau of Business and Economic Research, University of Montana, Ben.Irej@mso.umt.edu











Overarching Topics of Interest:

Topic of Interest	QR code/URL
Inventory, Monitoring, and Assessment Research	Inventory, Monitoring and Assessment US Forest Service Research and Development
Forest Inventory and Analysis (FIA) is a congressionally mandated program that delivers current, consistent, and credible information about the status of forests and forest resources within the United States by continually collecting and analyzing data about these forest resources and the values they provide.	 Forest Inventory and Analysis US Forest Service Research and Development
The Resource Planning Act (RPA) Assessment focuses on past, current, and projected future availability and condition of forests, forest product markets, rangelands, wildlife and fish, biodiversity, water, outdoor recreation, and urban forests, as well as effects of socioeconomic and climate change on these resources.	 Resources Planning Act Assessment US Forest Service Research and Development
The National Report on Sustainable Forests (2020) provides an evaluation of forest ecosystems and associated socioeconomic systems in the United States. It applies a standard, internationally recognized set of criteria and indicators to help answer important questions about forest sustainability.	 Sustainability Reporting US Forest Service Research and Development


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<p>Forest Inventory Research Program at the Bureau of Business and Economic Research provides a variety of economic and forest industry data for western states.</p>	 <p>BBER Forest Industry Research Program</p>

Further information on poster topics:

Poster/contact	QR code/URL
<p>FIA in Colorado: from plot measurements to statewide insights Amanda West Fordham, Ph.D., CO State Forest Service, csfs.colostate.edu</p> <p>Michael Wilson, USDA Forest Service, Rocky Mountain Research Station (RMRS), RMRS FIA Program Manager, Michael.j.Wilson@usda.gov</p>	 <p>Agency Profile Colorado State Forest Service Colorado State University</p>  <p>Colorado Forest Carbon Inventory</p>
<p>New Mexico uses FIA data to develop comprehensive state forest action plan Mary Stuever, New Mexico Forestry Division, Mary.Stuever@emnrn.nm.gov Michael Wilson, USDA Forest Service, Rocky Mountain Research Station (RMRS), RMRS FIA Program Manager, Michael.j.Wilson@usda.gov</p>	 <p>NM Forest Action Plan - Forestry</p>

Poster/contact	
<p>Forest Inventory and Analysis data for National Forest System monitoring in the West</p> <p>Kristen Pelz, Rocky Mountain Research Station FIA, Kristen.pelz@usda.gov</p> <p>Natalie Morgan, National Forest System (NFS) Northern Region, Natalie.a.morgan@usda.gov</p> <p>Erin Berryman, NFS Office of Sustainability and Climate, erin.Berryman@usda.gov</p> <p>Mike Tooley, NFS Rio Grande National Forest, mike.tooley@usda.gov,</p> <p>Andy Gray, Pacific Northwest Research Station FIA, andrew.gray@usda.gov</p>	 Adaptive Management, Monitoring, and Analysis US Forest Service
	 Paper: FIA data for NFS management (Hoover et al. 2020)
	 Paper: FIA data for planning (Wurtzebach et al. 2019)
	 Northwest Forest Plan - Interagency Regional Monitoring Program
	 NFS Pacific Northwest Region-Mapping based on FIA
	 USFS Carbon Dashboard
<p>CFLRP timber processing capacity and capability in the West</p> <p>Ben Irej, Research Social Scientist, Bureau of Business and Economic Research, University of Montana, Ben.Irej@mso.umt.edu</p>	 BBER Timber Processing Capacity and Timber Flow
	 Timber Use, Processing Capacity, and Capability within the USDA FS, Rocky Mountain Region
	 Timber-Processing Area Journal of Forestry
	 Timber Processing Capacity and Capability Rio Chama CFLRP

FIA Program Data Download and Analysis Tools:

 <p>FIA Data and Tools Landing Page</p> <p>FIA Data and Tools landing page is the gateway to access data download and analysis tools for all Forest Inventory and Analysis inventories and surveys: Nationwide Forest Inventory, National Woodlands Owner Survey, Timber Products Output Survey, and Urban-FIA.</p>	 <p>FIA One-Click State Factsheets</p> <p>FIA One-click State Factsheets allows users to generate a fact sheet about forest resources for a state based on the most recent available nationwide forest inventory data.</p>
 <p>FIA Nationwide Forest Inventory and Urban Data Download</p> <p>FIA DataMart allows visitors to download raw data files for the nationwide forest inventory and urban FIA inventory, standard tables, and SQLite databases. It also provides access to the FIA State reports, FIADB load history, API EVALIDator, and FIADB User Guides.</p>	 <p>EVALIDator and FIADB-API US Forest Service Research and Development</p> <p>EVALIDator and FIADB-API allows users to produce a large variety of population estimates and their sampling errors based on the current nationwide forest inventory, FIA, database.</p>
 <p>National Woodland Owners Survey Dashboard</p> <p>National Woodland Owners Survey Dashboard generates plots and tables for user selected survey question, cycle (i.e. time period), and geography (e.g. national-, regional-, or state-level summaries).</p>	 <p>FIA Land Resources Explorer</p> <p>FIA Land Resources Explorer is an interactive, suite of tools for viewing land area estimates and presents information on land use, land cover, and change to support land management decisions.</p>
 <p>FIA BIGMAP Forest Carbon and Aboveground Biomass Dashboard</p> <p>The FIA Forest Carbon and Aboveground Biomass dashboard shows aboveground biomass of live trees and seedlings for the top 5 tree species by State for CONUS.</p>	<p>Interested in learning more about the FIA Land Resources Explorer? Join the Society of American Foresters and FIA for a presentation that will familiarize users with query capabilities to generate and save Land Resources Explorer outputs for their own areas of interest. Meeting Registration - Zoom</p>  <p>November 12, 12-2 pm MST</p>