



## Funded Projects Fiscal Year 2016

<b>Project Title</b>	<b>Contact</b>	<b>Agency/Organization</b>
Overlapping Layers of Fire Management Examined Through the Lens of Post-Fire Erosion	Pierce, Jennifer L.	Boise State University
Towards improved quantification and prediction of post-fire recovery in conifers	Kolden, Crystal A.	University of Idaho
Improved modeling of tree mortality from statistical sampling of recent wildfires on the West Coast	Gray, Andrew N.	Forest Service
Hierarchical 3D fuel and consumption maps to support physics-based fire modeling	Hudak, Andrew T.	Forest Service
Long-term effects of restoration treatments in a Wyoming big sagebrush community invaded by annual exotic grasses	Kerns, Becky K.	Forest Service
Southern Integrated Prescribed Fire Information System for Air Quality and Health Impacts	Odman, Mehmet T.	Georgia Institute of Technology
Effects of climate change and climate-altered fire regimes on whitebark pine populations	Tomback, Diana F. PhD	University of Colorado-Denver
Modeling support for FASMEE experimental design using WRF-SFIRE-CHEM	Kochanski, Adam K.	University of Utah
End-of-rotation prescribed fire: tree- and stand-level effects on quality and lumber value recovery	Saunders, Michael R.	Purdue University
Policy Barriers to Prescribed Fire: Identifying Opportunities and Mechanisms for Change	Schultz, Courtney A.	Colorado State University
Development of a comprehensive plume dynamics and meteorology study plan for FASMEE	Potter, Brian E.	Forest Service
What makes for a resilient landscape? Climate, fire and forests in the Northern Rockies	Turner, Monica G.	University of Wisconsin-Madison
FIRETEC and WFDS Modeling of Fire Behavior and Smoke in Support of	Mell, William E.	Forest Service

FASMEE		
Using multi-scale spatial data to improve predictions of immediate and delayed fire mortality	Lutz, James A.	Utah State University
Defining “Resilient Landscape” From Multiple Stakeholder Perspectives in a Wildland Urban Interface (WUI) Area	Jahn, Jody L.	University of Colorado-Boulder
Determining public influences on managers’ decisions regarding prescribed fire in longleaf pine ecosystems	Gordon, Jason S.	Mississippi State University
Active Fire Datasets for Fire and Smoke Model Evaluation	Dickinson, Matthew B.	Forest Service
Native bee nesting habitat use after wildfire in Montana	Burkle, Laura A.	Montana State University
Fighting Wildfire with Prescribed Burning in the Southern Great Plains	Kreuter, Urs P.	Texas A&M University-College Station
Post-fire restoration to avert novel conditions in Sierra Nevada Forests	Long, Jonathan W.	Forest Service
Impacts of Climate and Management Options on Wildland Fire Fighting in Alaska: Implications for Operational Costs and Complexity under Future Scenarios	Schultz, Courtney A.	Colorado State University
The interactive effects of prescribed fire timing and climate change on Midwestern tallgrass prairie communities	Damschen, Ellen I.	University of Wisconsin-Madison
Resilient landscapes and fire regimes: Meaning, metrics, and management	Hood, Sharon M.	Forest Service
Application of Daysmoke & PB-P Models in Phase I of the Fire and Smoke Model Evaluation Experiment	Liu, Yongqiang	Forest Service
Firescapes in the mid-Atlantic: Mismatches between social perceptions and prescribed fire use	Smithwick, Erica A.	Pennsylvania State University
Applied nucleation as a restoration strategy in cheatgrass-invaded sagebrush ecosystems	Haubensak, Karen A.	Northern Arizona University
Effects of post-fire management on vegetation and fuels following successive wildfires	Coppoletta, Michelle L.	Forest Service
Post-fire landscape management and fire severity influences in Western Oregon forests	Kauffman, John B.	Oregon State University
Post-fire recruitment of Great Basin big sagebrush species: spatial and temporal controls along regional gradients of soil temperature and moisture	Weisberg, Peter J.	University of Nevada-Reno

Landscape Evaluations and Prescriptions for Post-Fire Landscapes	Larson, Andrew J.	University of Montana
Identifying ecological and social resilience in fire-prone landscapes	Higuera, Philip E.	University of Montana
Climate variability and post-fire forest regeneration in the Northern Rockies	Higuera, Philip E.	University of Montana
U.S. EPA Smoke Emissions, Chemistry, and Transport Modeling Team	Baker, Kirk R.	EPA-Environmental Protection Agency
A low-cost sensor network for wildfire smoke detection and monitoring	Volckens, John A.	Colorado State University
Community and ecosystem-level effects of growing v. dormant season burning in the southern Appalachians	Hagan, Donald L.	Clemson University
Ecosystem Change in the Blue Mountains Ecoregion: Exotic Invaders, Shifts in Fuel Structure, and Management Implications	Kerns, Becky K.	Forest Service
Alaskan Tundra Fires during a Time of Rapid Climate Change	Mann, Daniel H. Ph.D.	University of Alaska-Fairbanks
Modeling fire-induced tree mortality for eastern hardwood forests	Dey, Daniel C.	Forest Service
Quantifying the effects of post-fire decision-making on forest recovery in a severely burned southwestern landscape	Hurteau, Matthew D.	University of New Mexico
Airborne and ground-based measurements of wildland fire emissions: composition, intensity, transport, and processing	Urbanski, Shawn P.	Forest Service
Post-fire tree regeneration and fuels across the Northern Rockies following large wildfires: science meta-analyses, scenarios and manager workshops	Morgan, Penny	University of Idaho
Identifying and protecting wildfire refuge in a warmer, drier Pacific Northwest	Meddens, Arjan JH	University of Idaho
Integrating Social and Ecological Resilience into Forest Management Planning	Abrams, Jesse B.	University of Oregon
Mortality reconsidered: Testing and extending models of fire- induced tree mortality across the US	Hood, Sharon M.	Forest Service