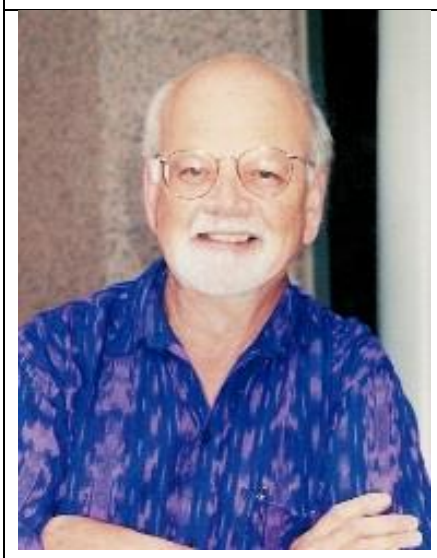
Rx310 Cadre – Orlando, AFE Congress 2017

Beth Buchanan
Welcome to Rx310
Beth Buchanan is a Regional Fire Ecologist for the US Forest Service. She works with national forests across the 13-state Southern Region as well as with federal, state, NGO and university partners. She is co-lead of the Southern Blue Ridge Fire Learning Network, a successful four-state collaboration which works to reduce barriers to fire use. Additionally, she oversees the Region 8 fire effects monitoring program, and encourages managers to work together to compile data across unit boundaries in order to show successful adaptively-managed fire programs. Beth is a member of the Association for Fire Ecology, and three JFSP-funded knowledge exchange consortia.



Cecil Frost
Fire Regimes & Fire History
Cecil Frost is a landscape fire ecologist who has spent his career on fire-dependent species and ways to create maps reconstructing pre-European fire frequency and vegetation. He received his doctorate from the University of North Carolina, Chapel Hill, in Plant Ecology. For 14 years he was coordinator of a state endangered and threatened species program (North Carolina) until 2003 when he retired to work full time in historical fire frequency mapping. In 2004 he was a member of the national team for mapping Fire Regime Condition Class, a precursor to LANDFIRE. He has produced fine-scale maps of pre-European fire frequency for over 3 million acres of lands for USFS, USFWS, the National Park Service, military bases and TNC. In 2016 he received the Stoddard award for Lifetime Achievement in Fire Ecology from AFE.

Eric Menges
Dynamics of fire, vegetation, and populations at multiple spatial scales
Eric Menges obtained his PhD in Botany from the University of Wisconsin and has worked as a Research Biologist at Archbold Biological Station for 29 years. He heads the Plant Ecology program with research in plant population biology, fire ecology, restoration ecology, and vegetation dynamics. The research is both basic and applied, with applications in fire management, conservation strategies, restoration, and rare plant recovery. He has published over 160 papers, participated in over 100 fires, and mentored over 120 interns during his time at Archbold. He is also the Lead Editor for the Natural Areas Journal.

	**Carrie Sekerak** **Fire Effects on Wildlife** Carrie Sekerak is the Supervisory Biologist for Ocala National Forest. Since 1991, she has enjoyed working in applied freshwater and terrestrial habitat management and restoration, listed species recovery, invasive species control, fire management, and watershed protection, as part of a US Forest Service interdisciplinary team. She is currently serving on the interagency Peninsula Florida At-risk Species Working Group, emphasizing multi-system prescribed burn tactics to keep wetland-dependent guilds of species from becoming threatened with extinction. Outside of work, she cares for a small menagerie of pets, two not-so-small teenagers that keep her busy with band and dance, and an old home whose yard has the greatest native plant biodiversity in downtown DeLand, Florida.
	**Matt Busse** **Fire Effects on Soils** Matt is a Research Soil Scientist with the US Forest Service, Pacific Southwest Research Station in Davis, California. He is the Team Leader for the Water, Air, and Soil program at PSW and also serves as a visiting scholar at UC Davis where he co-teaches an undergraduate course, Forests and Society. Matt received his doctorate in Soil Microbiology and has worked for the Forest Service for the past 28 years as a research scientist. He has published on a variety of topics including soil heating, long-term soil productivity, nitrogen fixation, and fire effects on plants and soils. His current projects include (1) understanding long-term forest responses to thinning and repeated burning, and (2) editing a book on global change and its impact on forest soils.
	**Francisco Seijo** **Traditional Fire Knowledge: Theoretical Relevance of TEK for Common Pool Resource Long Term Sustainability and Evidence from a Research Case in Europe** Francisco Seijo is a professor and researcher at the Instituto de Empresa's School of International Relations in Madrid, Spain. His fields of academic expertise include forest policy, fire ecology, climate change and coupled human and natural systems theory. His work has appeared in scientific peer reviewed journals such as Environmental Politics, Journal of Environmental Policy and Planning, Human Ecology Review, BioScience, Frontiers in Ecology and the Environment, and Land Use Policy and Human Ecology among others. Dr. Seijo has collaborated with various Spanish and international governmental and non-governmental organizations as a

	development consultant and participated in the ongoing environmental and forest policy debate in Spain through appearances in the media.
	**Caroline Noble** **Introduction to IFTDSS** Caroline began her federal career in 1984 in Idaho working seasonally with the US Forest Service on a timber crew, conducting stand exams, and eventually working on the St. Joe Hotshot crew through 1990. From 1990 to 1993, she worked as a fuels specialist on the Kootenai National Forest. Caroline switched to the National Park Service in 1993 serving a prescribed fire specialist in Yosemite and later assistant Fire Management Officer for Glacier National Park. In 2000 Caroline moved to the southeast region where she served as regional fire ecologist for 14 years based out of Tall Timbers Research Station. In June of 2014, Caroline moved back to the US Forest Service accepting a position with the Wildland Fire Research, Management, and Applications Team working in fuels management. Caroline currently serves as the US Forest Technical lead for IFTDSS.
	**Penny Morgan** **Implementing Ecologically-Based Fire Management: Wrap-up discussion** Penny Morgan is a Professor in the Department of Forest, Rangeland, and Fire Sciences at the University of Idaho. There she teaches Fire Ecology & Management, Fire Ecology, Prescribed Burning Laboratory, and Science Synthesis and Communication. Penny's research focuses on fires, especially how, why, when and where fires burn severely and their implications. She is on the steering committee for the Northern Rockies Fire Science Network and the advisory committee for the Great Basin Fire Science Exchange, and she serves on the board of the Association for Fire Ecology. She is proud to be an AFE Certified Senior Fire Ecologist.
	Steve graduated from the University of Wisconsin Stevens Point with a degree in Forest Administration in 1985, and Masters in Ecological Restoration from the University of Florida in 2016. He has since worked for a private forestry consultant, the USDA Forest Service, Texas Forest Service, and Florida Division of Forestry and is currently the Chief of the Bureau of Land Resources for the St. Johns River Water Management District. In his present capacity, Steve is responsible for directing a multiple use land management program on over 600,000 acres. Most of the lands SJRWMD manages require fire on a 3-5 year interval to sustain them ecologically, so prescribed fire is a major part of his duties. Steve is active in the North Florida Prescribed Fire Council,

	serving on the steering committee since 1992. He served on the 1998 Governor's Task Force on Wildland Fire, Florida Forestry Blue Ribbon Commission, the Florida Georgia Fire Summits (I &II) and is a current member of the Florida Forest Council. This year he joined the Board of Directors for the International Association of Wildland Fire. He has feet firmly planted in both fire camps (suppression and prescribed fire) and is qualified as and ICT2, OSC2 and an RXB1. He is committed to preparing the next generation of land/fire managers, he regularly travels to teach NWCG classes, and serves as an Adjunct Instructor for the University of Florida. Steve and his wife are parents of two adults; one of whom is a second-generation forester and fire manager.
	**Duncan Lutes** **Monitoring: Linking treatment results and burn plan objectives** Duncan Lutes is a Fire Ecologist at the U.S. Forest Service, Fire Sciences Laboratory in Missoula, Montana. He has a background in fuels and has been involved in the development of FEAT and FIREMON Integrated (FFI), the First Order Fire Effects Model (FOFEM), FuelCalc and the Fire and Fuels Extension to the Forest Vegetation Simulator. Duncan has a BS and MS from the University of Montana.