

Presenter: Jacqueline Ott, USDA Forest Service. Rocky Mountain Research Station, Rapid City, SD.

Contributing authors: Brice Hanberry (RMRS); Jack Butler (RMRS); others to be determined

Jacqueline Ott is currently a Research Ecologist with the USFS- Rocky Mountain Research Station (RMRS) in Rapid City, South Dakota. She received her BS in Biology (2006) at Concordia University- Nebraska and her MS (2009) and PhD (2014) in Biology-Plant Ecology at Kansas State University. After a post-doctoral research associate position at South Dakota State University, she started as a Research Ecologist in the Grassland, Shrubland, and Desert Program of the RMRS in 2016. Her current research focuses on understanding the role of vegetative reproduction in grassland response to disturbance and invasive species. Ongoing research projects include: 1) examining post-fire recruitment and regeneration of exotic annual bromes and key forb species for sage-grouse and pollinators in sagebrush steppe and mixed-grass prairie, 2) evaluating the effect of drought on and mechanisms underlying belowground grass bud mortality, 3) comparing vegetative growth of invasive and native perennial grasses under a range of environmental conditions, and 4) collaborating on an international protocol for evaluating belowground functional traits. She also is involved with providing science syntheses and developing management tools for the National Grasslands. Recent technology transfer efforts include calibrating PhenoMap, a near real-time phenology assessment tool, for the National Grasslands and co-authoring a USFS report titled “Biological Assessment of Oil and Gas Development on the Little Missouri National Grassland.” Ott has published in numerous peer-reviewed journals such as *Journal of Plant Ecology*, *American Journal of Botany*, *Plant Ecology*, *Botany*, *Journal of Tropical Ecology*, and *Austral Ecology*. She currently serves as a council member on the USFS-National Grassland Council.