

Report Summary

Webinar: Exploring the carbon effects of forest transformation and exotic annual grassland restoration in the North Central United States

A part of the NC RISCC Ecosystem Transformation Series

The goals of this series are to 1) identify areas of transformation due to wildfire and grass invasion and 2) evaluate management practices that enhance carbon storage, native biodiversity, and improve resilience, including tradeoffs among priorities.



Event 2 out of 3



May 8th, 2025



Two Talks

Forest Transformations affect on Carbon Storage (Chelsea Nagy, University of Colorado Boulder) - Shared preliminary results from a study using satellite data to quantify how wildfire and invasive species-driven ecological transformations affect carbon storage across North Central U.S. forests. This project identifies vegetation shifts and associated biomass changes, and is being developed in collaboration with regional stakeholders to support management decisions. (See slides <u>here</u>)

Restoration of Areas Invaded by Exotic Annual Grasses affect on Carbon Storage (Toby Maxwell, Oregon State University) - Shared preliminary findings from a study examining how restoration of exotic annual grass-invaded sites across 48 locations in MT, WY, and CO influences soil carbon and health. This project explores how restoration practices, climate, and time all interact to determine the potential for carbon benefits.









NORTH CENTRAL Climate Adaptation Science Center