

Climate Impacts, Stakeholder Needs, and Adaptation in Northern Great Plains Grassland Ecosystems

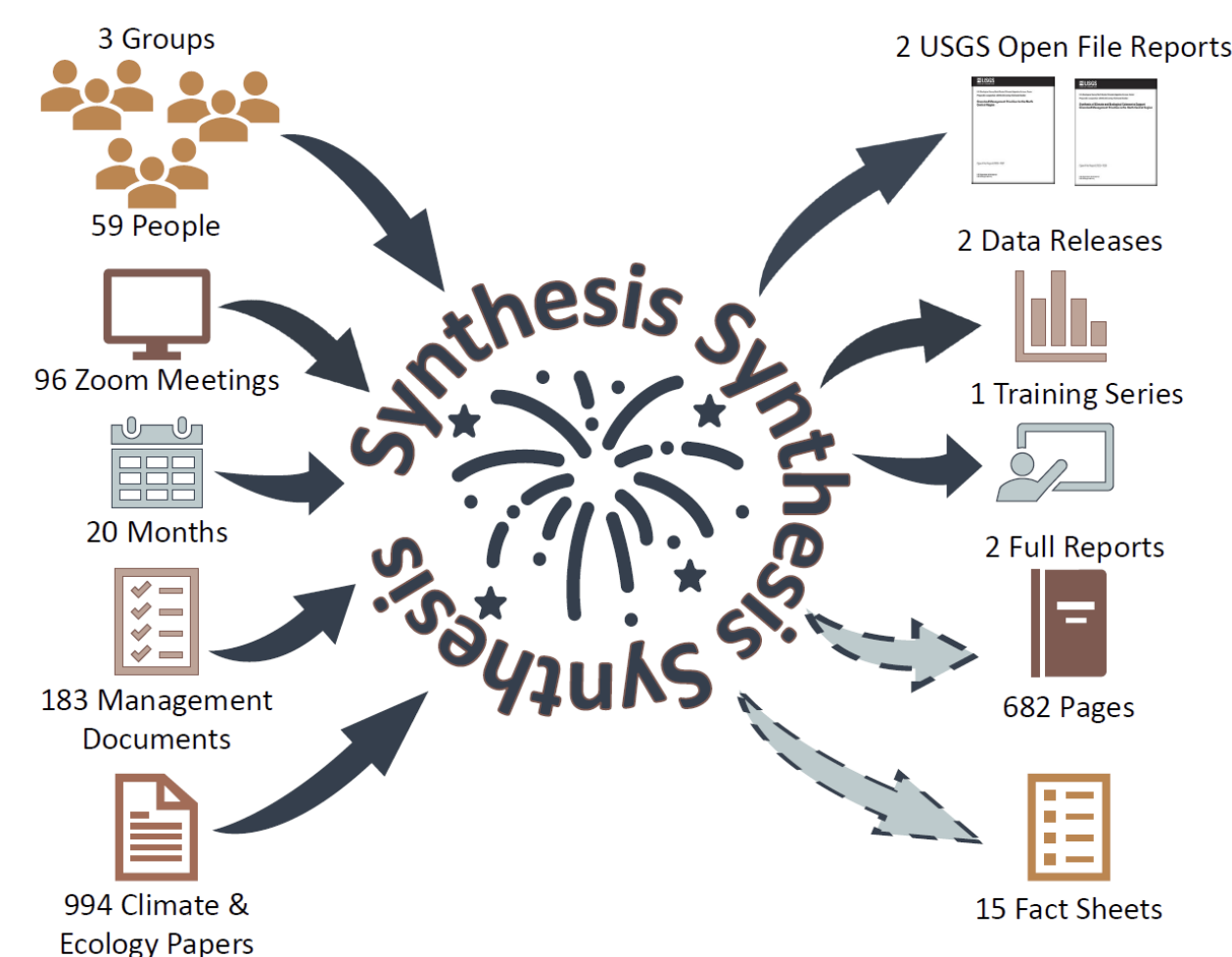
Heather M. Yocum, Christine D. Miller Hesel, Imtiaz Rangwala

The Grasslands Synthesis Project

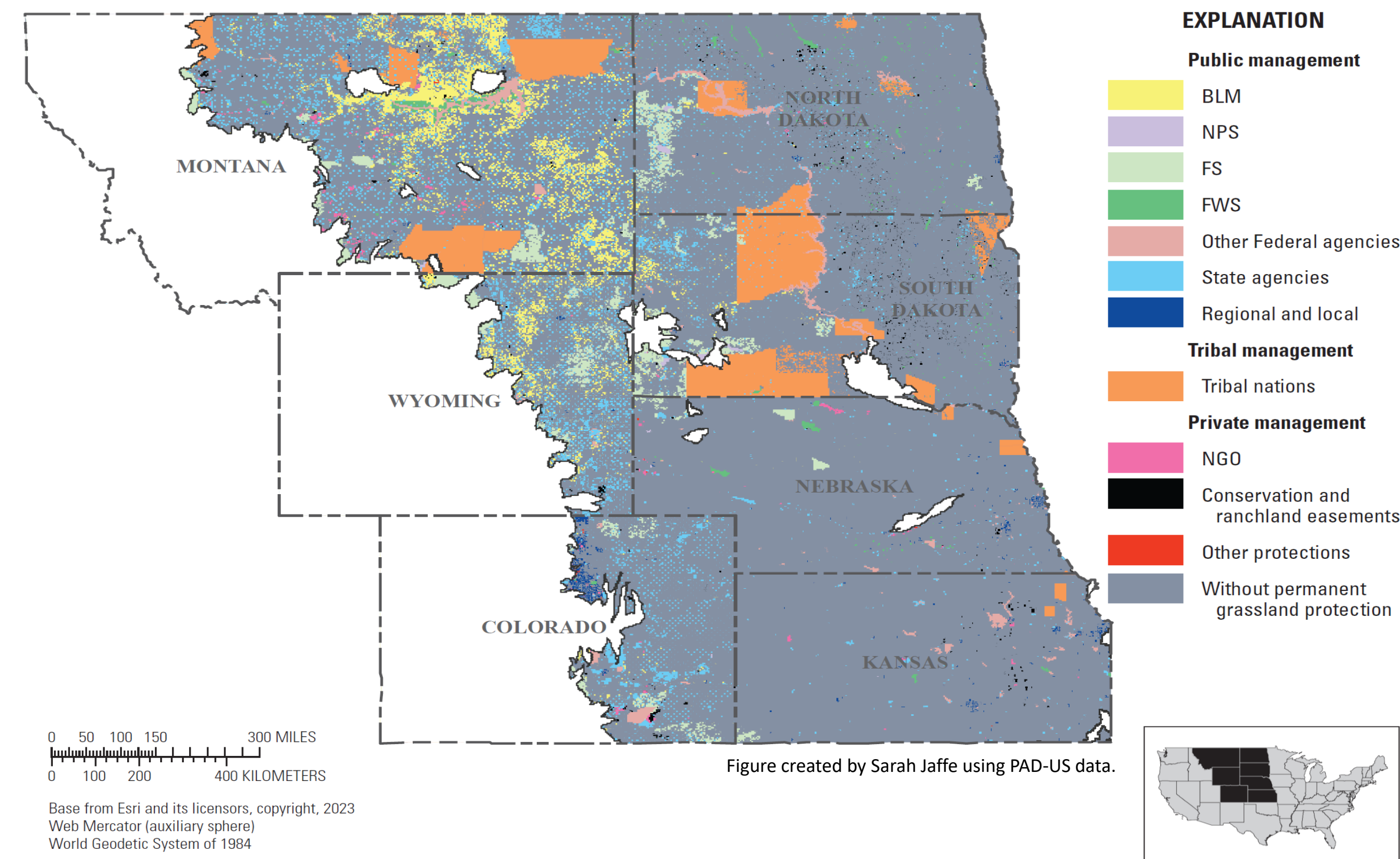
Understanding how climate change and variability will impact grassland ecosystems is crucial for successful grasslands management in the future. This project created a baseline of information on broadly shared grassland management goals and challenges in the North Central region. The outcomes include a list of stakeholder information needs and a synthesis of relevant climate and ecological data that can help grasslands managers to meet their goals.

Methods

- Virtual working group model
- Literature review to reduce stakeholder fatigue



Management of protected grasslands in the North Central region



How can *you* use the info in these reports?

If you are a researcher:

- Volumes 1 & 2 can help you ID research questions;
- Vol. 1 provides a primer on different agencies and organizations managing grasslands that can help you ID potential partners or key stakeholders;
- Vol. 2 can help you build interdisciplinary research teams.

If you manage grasslands:

- Vol. 1 can help you communicate information needs to interested researchers and provides a snap shot of other agencies managing grasslands;
- Vol. 2 provides summaries of climate impacts for grassland ecosystems in the north central region.

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Management priorities, challenges, and information needs

The Grasslands Project results are summarized in 2 reports. The first, “**Grassland Management Priorities for the North Central Region,**” provides:

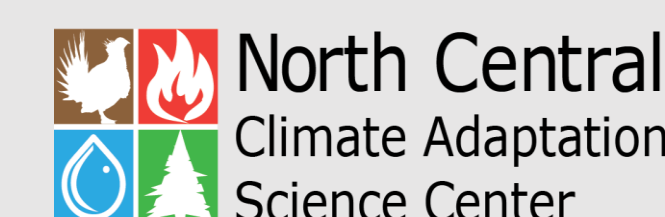
- 1) a synthesis of regional grassland management goals and challenges for federal, state, private, non-profit, and Tribal grassland managers;
- 2) a list of 70 information needs organized into 15 categories to guide future research to support grassland management in a changing climate; and
- 3) summaries of grassland management issues by ecoregion and management organization or agency (this will be published in a future report).

Volume 1:
[Grassland Management Priorities for the North Central Region](#)



Climate and ecological impacts

The Grasslands Project results are summarized in 2 reports. The second report, “**Synthesis of Climate and Ecological Science to Support Grassland Management Priorities in the North Central Region,**” addresses the information needs identified in the first report by synthesizing available climate and ecological science. This report also identifies areas where additional research is still needed. The available report provides a high level summary of these findings. Over the next year, we will be publishing each chapter as a stand-alone publication.



Volume 2:

[Synthesis of Climate and Ecological Science to Support Grassland Management Priorities in the North Central Region](#)

