

Project Summary

Rocky Mountains Cooperative Ecosystem Studies Unit

Project Title: Collaborative Modeling Approaches for Climate and Landscape Planning in the Northern Rockies: Exploring FRAME-SIMPPLLE

Discipline: Natural
Type of Project: Research
Funding Agency: USGS
Other Partners/Cooperators: Montana State University
Effective Dates: 9/15/2011 - 9/30/2016
Funding Amount: \$152,026

Investigators and Agency Representative:

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Project Abstract: This project will utilize and evaluate the FRAME-SIMPPLLE approach and collaborate with the Landscape Conservation Cooperatives and Climate Science Centers to:

1. Explore adaptive management for climate and landscape change in the Northern Rockies with possible emphasis on Glacier National Park, the Crown of the Continent Ecosystem, and the Rocky Mountain Front by further developing the use of FRAME-SIMPPLLE.
2. Recommend how to foster the long term development of such collaborative planning tools as a joint effort between the USGS and the Institute of the Environment.
3. Develop graduate student mentoring opportunities focused on collaborative planning and adaptive management science.
4. Investigate the use of GIS to further landscape science and conservation, especially related to energy development.

Outcomes with completions dates: September 30, 2016

Keywords: FRAME-SIMPPLLE, modeling, climate change, landscape change, planning, Landscape Conservation Cooperatives and Climate Science Centers, USGS, Montana State University