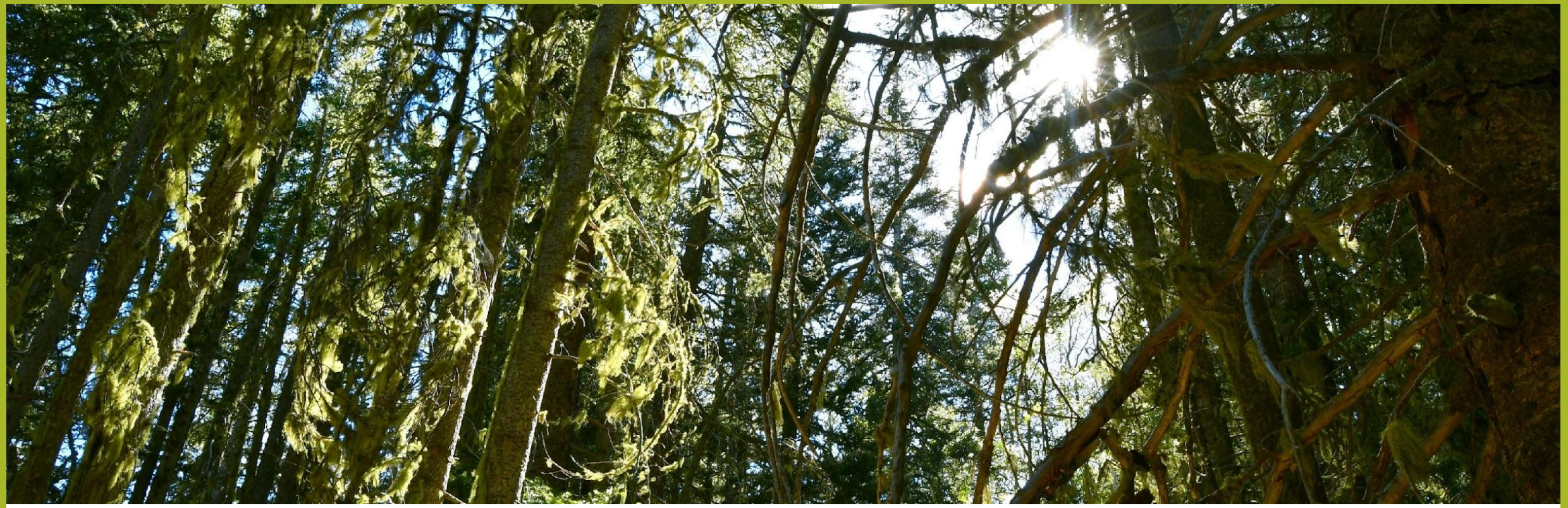


INVENTORY OF FOREST RESOURCES: FOREST MANAGEMENT RESOURCES IN NEW MEXICO AND ARIZONA

Lauren Kramer

USDA Southwest Climate Hub, ARS

Scope of Work

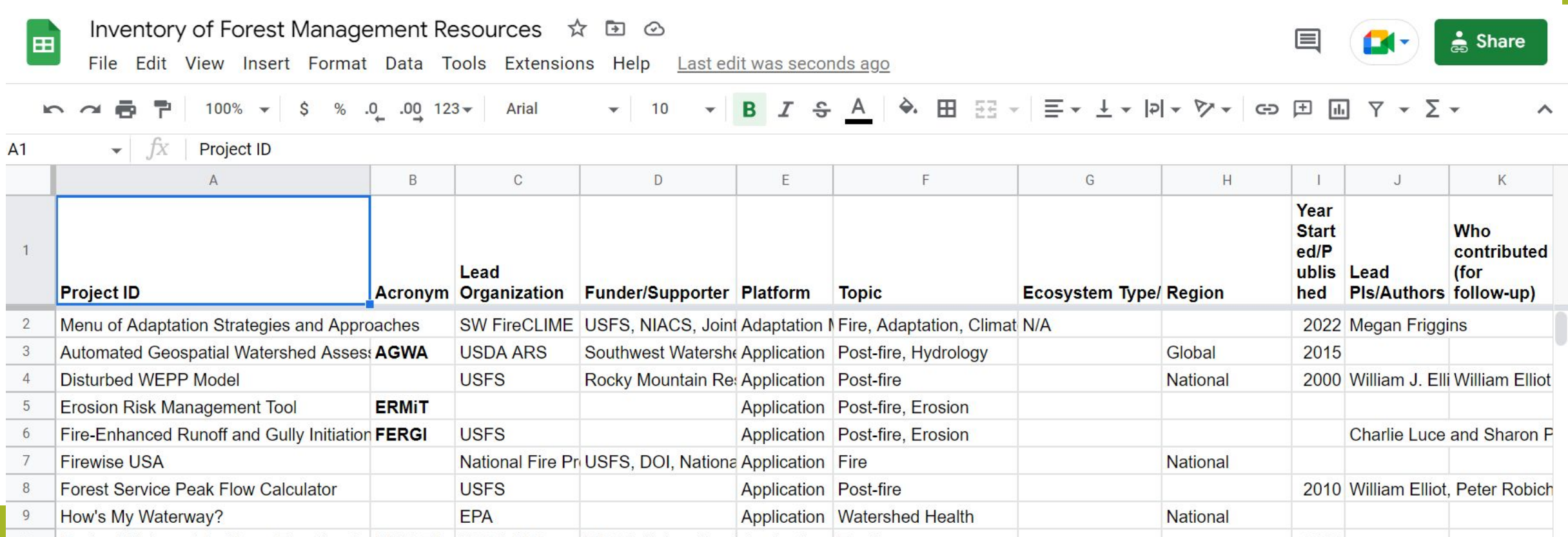
- 2-year collaborative effort between USDA SWCH, South Central CASC, and the Southwest CASC
- Support climate change adaptation decision-making in New Mexico and Arizona for forestry and related professions

Deliverables

- Resource Inventory
- Toolshed development
- Literature and project review
- Science-to-services workshop for decision-makers

Resource Inventory

- Organize, summarize, and track existing and emerging decision-support resources for forest management in NM and AZ



Inventory of Forest Management Resources

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A1 Project ID

	A	B	C	D	E	F	G	H	I	J	K
1	**Project ID**	**Acronym**	**Lead Organization**	**Funder/Supporter**	**Platform**	**Topic**	**Ecosystem Type/**	**Region**	**Year Started/Published**	**Lead PIs/Authors**	**Who contributed (for follow-up)**
2	Menu of Adaptation Strategies and Approaches		SW FireCLIME	USFS, NIACS, Joint	Adaptation M	Fire, Adaptation, Climat	N/A		2022	Megan Friggins	
3	Automated Geospatial Watershed Assess	**AGWA**	USDA ARS	Southwest Watershe	Application	Post-fire, Hydrology		Global	2015		
4	Disturbed WEPP Model		USFS	Rocky Mountain Re	Application	Post-fire		National	2000	William J. Elli	William Elliot
5	Erosion Risk Management Tool	**ERMiT**			Application	Post-fire, Erosion					
6	Fire-Enhanced Runoff and Gully Initiation	**FERGI**	USFS		Application	Post-fire, Erosion				Charlie Luce and Sharon P	
7	Firewise USA		National Fire Pr	USFS, DOI, Nationa	Application	Fire		National			
8	Forest Service Peak Flow Calculator		USFS		Application	Post-fire			2010	William Elliot, Peter Robich	
9	How's My Waterway?		EPA		Application	Watershed Health		National			

Toolshed

- Develop a clearinghouse that allows managers and decision-makers to easily query based on their needs
- Online searchable platform
- Example: Tools for the Beef industry (TOBI)
  - https://webapps.jornada.nmsu.edu/livestock/

webapps.jornada.nmsu.edu/livestock/

Tools for the Beef Industry (TOBI)

A library of decision support tools for beef cattle production and management

PLATFORM

- Application (149)
- Hardware (9)
- Reference Material (13)
- Software (53)
- Spreadsheet (225)
- Website (162)

TOPIC

- Animal and Feed Performance (200)
- Crop Management (55)
- Environmental Quality (30)
- Finance (302)
- Livestock Management (221)
- Natural Resource Management (132)
- Weather and Climate (54)

AUDIENCE

- Consumers
- Producers
- Researchers and

Literature Review

- Document common garden studies and other information and resources in support of a deepened understanding of climate-adapted trees for NM & AZ
- Report data gaps and needs for further research
  - 300 million seedlings+ are needed to address burned areas – the current tree nursery capacity can only grow 300,000 seedlings per year

New Mexico Reforestation Center

- Collaboration between the Energy, Minerals and Natural Resources Department (EMNRD) and higher education institutions will invest in climate-smart tree seedling production
  - New Mexico Highlands University, New Mexico State University, and University of New Mexico
- The center is needed to coordinate, develop, and invest in:
  - Climate-smart tree seedling production of up to 5 million trees per year
  - Workforce training and research to ensure trees planted today will survive in the future climate

https://www.emnrd.nm.gov/officeofsecretary/wp-content/uploads/sites/2/ReforestationCenterRelease011022.pdf