LANDSCAPE SCALE MONITORING

RIO CHAMA CFLRP





Esmé Cadiente SW Region Director esme@forestguild.org

THE RIO CHAMA CFLRP

2-3-2 Cohesive Strategy Partnership and Rio Chama CFLRP **Footprints** Map created by Julia Ledford, Mountain Studies Institute

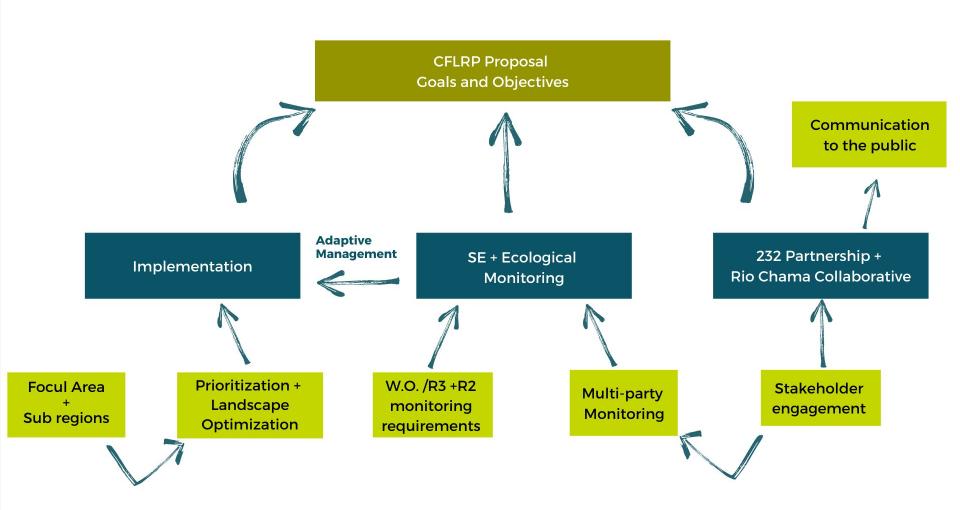
Project area, 3.8 million acres, includes four National Forests in Colorado and New Mexico.

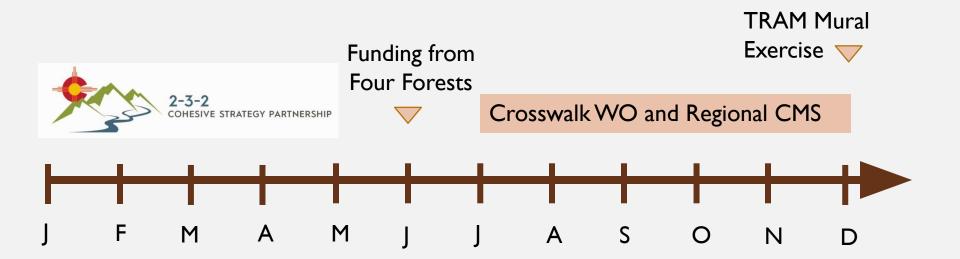
Many collaborative partners

Project goals and objectives include:

- Reducing the risk of uncharacteristic wildfire;
- Increasing forest diversity and old growth characteristics;
- Conserving critical habitat and improving wildlife connectivity;
- Improving water quality and watershed function; and
- Mitigating climate change impacts.

STRUCTURE & PROCESS

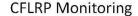




CROSSWALK ANALYSIS

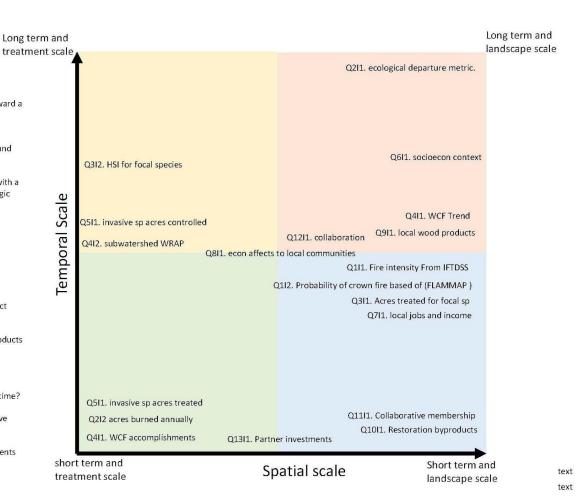
RC CFLRP Goals (from Proposal)	Implementation Strategy	Potential MPM Indicator	WO Question	WO Indicator	R3 draft	R2 Final	Rio Chama Monitoring Plan (includes WO, regions, and MPM)	CANF FP Monitoring indicators	CANF DFC	SFNF FP Monitoring Indicators	RGNF FP Monitoring Indicators	SINF FP Monitoring Indicators	
gical													
Pleduse risk of uncharacteristic widther and restore natural fire region.	I) Soutspirally planed communical coursers (Soutspirally planed communical Coursers (Soutspiral Course) through and instructional borning planes (Soutspiral Course) through a course of an extension to have the width of the course of the facility of the course of the facility of the course of the course of the course of the course of the facility of the course of t	WTOSS2. Does MAPM want to consoluce sampling more at the project level?	based on our treatments?	1. The Security granted flows templally low PTESS. Throughtful of come also for President on Commission (SAMANO) Throughtful of come also for President on Commission (SAMANO) Commission (SAMANO)	no answer	10.0 TIMES — request least and support COLP project. ITTOSC can not support these probability in signs of an extractive the testing of the support these probability is signed as many times of the support to support the sup		Auss of weightein treatments, Area of canops, loss in formative specials communities due to the discussion, beautiful services, and the first discussion of the communities of the communities of the communities of proposal such large states composition, size class, and canops your beautiful services of first communities of properties and communities of properties and communities of properties and communities of properties of properties properties of properties p		Aces of feel and restandes heatments	Changes in the regime condition less. Size and service of files 1,200 acres (set changes in value of the 1,200 acres (set changes in value of files 1,200 acres (set changes in value of the 1,200 acres of all files, head on the 1,200 registrion management in different varieties (specificate in disorder of half freeziments (muchassed and prescribed fire)	mortality;	
Miligate Climate chunge impacts, and an appropriate characteristic.		Choose representative areas that serve as ground truth modeling. There could	on moving the Forest landscape toward a more sustainable	L. Segetimos degrames ON Missel for specific OR Engineerisation entric. On the Commission of the	and cover), 2) fire regime (frequency and severity), 3) patch size, 4) large trees, and 5) FRCC (sero) state diversity + fire regime); Project Rule: Provide actual or modeled changes in segetation structure and fire regime,	Dones Directors, Vegetation Ecologic Scan Symwers, Fire Ecologic and state of this Management Specielis, and Symwers, Fire Ecologic and Symwers Readon, and the state of the Management Specielis, and State	AND Tally sees Sunned by windfeer and by precodined burning pressults, burning the regime company to what second be expected in the annual regime of windfeer. And the supposition by piles of a "test area" \$2.57 Sin to project sugstation conditions and changes in fine regime.	Tweetern dischrissens as indens to the Count Chapter Visional Name (Inc.) And Count Chapter Visional Name (Inc.) And County Chapter Visional Name (Inc.) And County Visional Name (Inc.) And C		//egetation-position-tuncker, demity, end chromothype-tuncker and chromothype-tuncker and chromothype-tuncker and chromothype-tuncker and chromothype-tuncker and chromothype-tuncker and chromothype-	ecosystems; Percent of different structural classes in major forest ecosystems; Mortality: Number of snags per acre; net volume live vs	soon of related regeoration, the control stages the control stage course, Earn of Functs and stage course, Earn of Functs and states outdoors; Supplied control stages the course of the course products; Supplied control products; Supplied products; Supplied products; Supplied products; Supplied pr	
and connectivity; conserve critical habitat to help recover threatened	1) Decommission us to 40 miles of reads to reduce impacts of flagge motor vehicle as on water resources and reservise width history. Johnston impacts of the resource and the results of width history of the resource and the results of the results	Outermine size specific effects of restaurchin treatments on heat specific sizes. The property of the property Project specific monitoring on reparts shadows which size of Source Will Schroder residented that he sizes are support of the company for this.	across the CFUR Project Area?	Learn treated in more travelle deviced conflicts (Milliferitated Sparter Ministry and Ministry	no answer	men. Parel feed by Nigoriul and Good shifting occidable an encessing standard meritary for higher and body and shifting occidable and excellent and shifting occidable and the shifting occidable and the shifting occidable and the shifting occidable and excellent angionates the enterior. A Product wilder for section as memory to enterind programs and the shifting excellent as memory to enterind programs and the shifting excellent as memory to enterind programs and the shifting excellent and excellent and the shifting excellent and excellent and the shifting extensive and the shifting extensive and the shifting excellent and ex	whether speed of the speed in response to treatment for the speed of t	Number of register framers received, proceed or standard, and of emission processors (proceeding or standard or processors) processors (proposed) in agriculture standard processors (processors or processors (processors or processors or		impacts on abundance and distribution of focal species northern goshawks in upland forests. Management activity impacts on abundance and distribution	habitatill, Northstation of elsi- ference place succession cloreditions. Fine caula indicators: Number of live trees pare sets 1-20, 200 - 100s (for all indicators, Northstatic and in magain and indicators, Northstatic and in magain controlled in the controlled in the controlled place of the controlled in the controlled trees pare sets; 1-51, 5-10, 2-50 indicators and page pare sets 1-51, 5-10, 2-50 indicators and page pare sets 1-51, 5-10, 2-50 indicators and page pare sets 1-51, 5-10, 2-50 indicators wordy other lower sets wordy other (CWO) per sets re-1-10, 251 indicators (in controlled in the controlled wordy other controlled in the controlled wordy other controlled page 250 in the controlled page 25	(Abert's solvent, American martan, hardy woodpooker, continue to void.) Number of abors of the pondersol hardy woodpooker, continue to about the pondersol obtained to solve the pondersol and cool most mixed confer treated; Number of self-martaning management of self-martaning management of self-martaning management of the self-martaning of threats to colorado Rose continues troot that are reduced or eliminated.	
at training to the appropriet	plants through a combination manual, mechanical and herbicide reduction methods. The project will use established agreements with federal, state, and county partners to work with willing landowners to reduce invasive plants on intermixed private lands.	Number of new infestations successfully controlled. (This is outside [ACTS.) - MPM Ground truthing in a	800	(provided). Z. Number of new Infestations successfully controlled. (This is outside FACTS.)		effective defined? Can report number of across treated, (disrage needed in ARCES: report on resided and weeted and resided and reposited price desirably of pediatribution treated; urdanillar with the IMDES model, so uncertain how tall admiss; treatment secure mentioning reported in IRCES; curvious to indexe; treatment secure mentioning reported in IRCES; curvious to individuals found - so individuals found - so individual found - so in the RG security and resident in the reporting and resident in the	мэм.			Redings	Acres nasious seeds treated	treated for Class. A and Class B species; Distribution and spread maps of quagga mussel	

W.O. QUESTIONS AND INDICATORS





- Q2. What is the effect of the treatments on moving the Forest landscape toward a more sustainable condition that includes scale and intensity of historical disturbances?
- Q3. What are the specific effects of restoration treatments on focal species and species at risk habitat across the CFLR Project Area?
- Q4. What is the status and trend of watershed conditions in the CFLR area, with a focus on the physical and biological conditions that support key soil, hydrologic and aquatic ecosystem processes?
- Q5. What is the trend in invasive species within the CFLRP project area?
- Q6. How has the social and economic context changed, if at all, from the beginning of CFLRP to the end?
- Q7. How have CFLRP activities supported local jobs and labor income?
- Q8. How do sales, contracts, and agreements associated with the CFLRP affect local communities?
- Q9. Did CFLRP maintain or increase the number and/or diversity of wood products that can be processed locally?
- Q10. Did CFLRP increase economic utilization of restoration byproducts?
- Q11. Who is involved in the collaborative and if/how does that change over time?
- Q12. How well is CFLRP encouraging an effective and meaningful collaborative approach?
- Q13. If and to what extent has CFLRP investments attracted partner investments across the landscapes?



Multiparty Monitoring in the Rio Chama CFLRP Landscape

TRAM Committee input Dec. 1st, 2021



First, read the CFLRP goals in the middle of the circle and the related implementation activity from the CFLRP proposal. Then, read the Washington Office and related Region 2 & 3 stepdowns for required monitoring. Lastly, use the yellow sticky notes provided below to write a proposed multiparty monitoring activity.



Place the proposed MPM activity typed on a yellow sticky note into the pie chart where it correlates to a CFLRP goal. Initial your MPM yellow

Proposed Multiparty Monitoring





Acronyms defined:

CNF: Carson National Forest

ERU: Ecological Response Unit

FACTS: Forest Service Activity Tracking System

FLAMMAP: a fire behavior mapping and analysis program

FIA: Forest Inventory Analysis

FRCC: Fire Regime Condition Class

FSveg: Field Sampled Vegetation HUC: Hydrologic Unit Code

HSI: Habitat Suitability Index

IFTDSS: Interagency Fuels Treatment Decision Support System

INREV: Existing Vegetation Mapping

LCMS: Landscape Change Monitoring System

MPM: multiparty monitoring

R2: USFS region two

R3: USFS region three

REV: Riparian Existing Vegetation

RGNF: Rio Grande National Forest

SJNF: San Juan National Forest

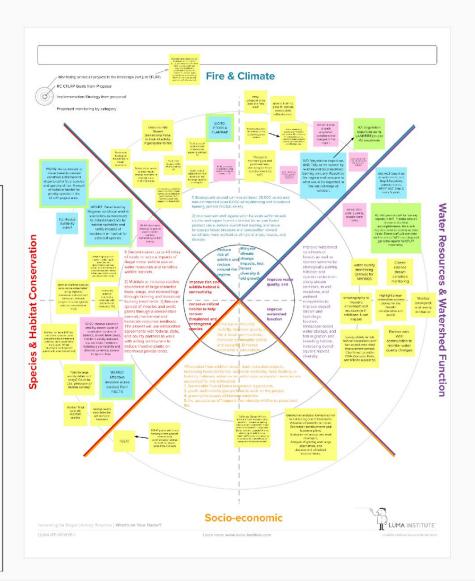
SNFN: Santa Fe National Forest

TEUI: Terrestrial Ecological Unit Inventory

TREAT: Treatments for Restoration Economic Analysis Tool

WCF: Watershed Condition Framework WIT: Water Innovation Technologies

WO: Washington Office



2022

Collab. Governance Survey

 $\overline{}$

TREAT

SE Interviews

Data Management

Reviews: USFS 2-3-2 & USFS

_

Input from Subject Matter Experts

RC CFLRP Funding

Started MPM Development



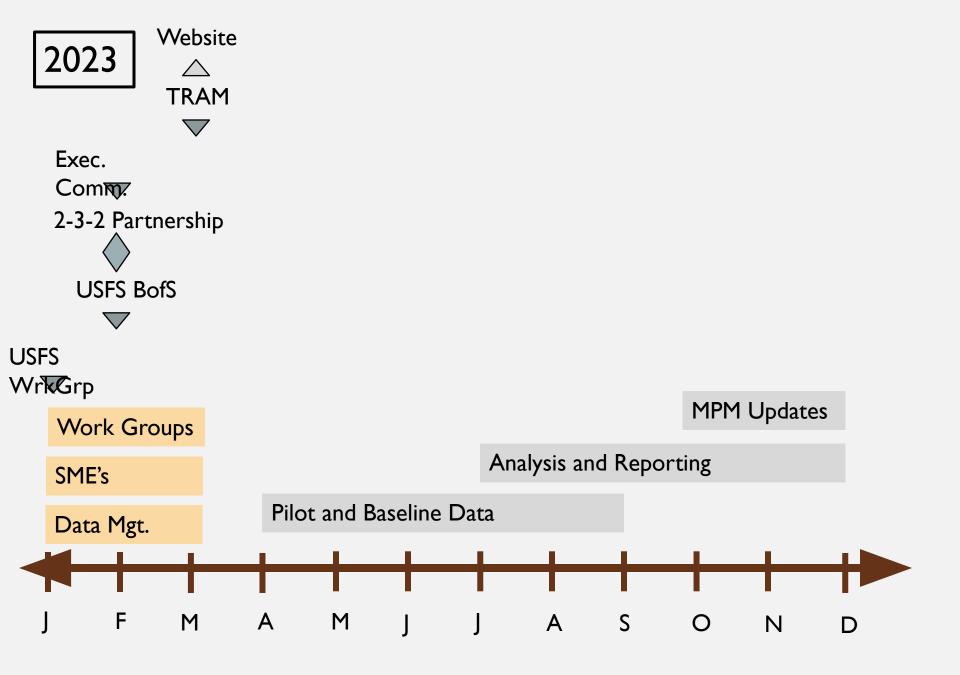


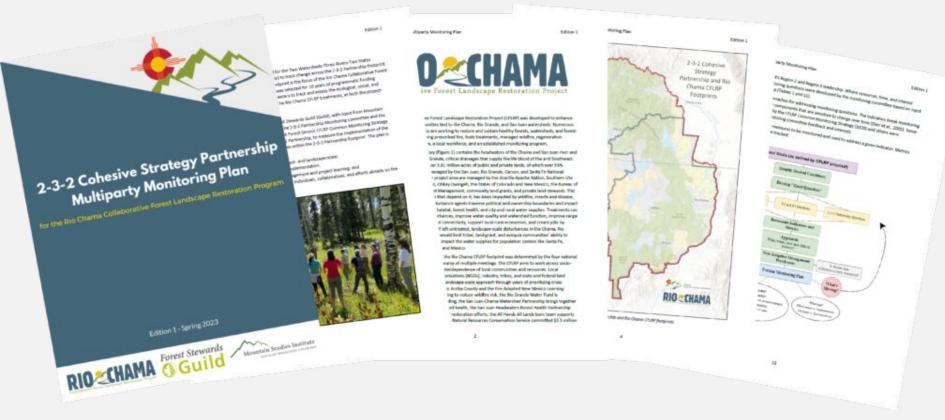












View the plan here: https://232partnership.org/monitoring/