FLN Networker No. 357: October 4, 2023

The FLN Networker is a publication of the Fire Learning Network—a partnership of the USDA Forest Service, agencies of the Department of the Interior and The Nature Conservancy—intended to foster communication within the network and among its friends. Submit comments, information to share, and subscription requests to Liz Rank.

For more about the FLN, visit www.conservationgateway.org/fln.

News from the Field

California: The Karuk Tribe, Round Valley Indian Tribes and Scotts Valley Band of Pomo Indians are among the 13 recipients of the first round of funding from the CAL FIRE Tribal Wildfire Resilience Grants program.

Colorado: In July, The Ember Alliance and Loveland Fire Rescue Authority, along with numerous partners, completed the first community wildfire protection plan for the city and surrounding rural areas. Project areas identified in the Loveland CWPP are being taken into consideration for larger planning efforts with the Northern Colorado Fireshed Collaborative. See the StoryMap for more. The Ember Alliance is also hosting a pre-workshop training, "Leading the Modern CWPP Process," November 4-5 at the National Cohesive Wildland Fire Management Strategy Workshop in Santa Fe (details).

Nebraska: **Chad Bladow** (cbladow@tnc.org) celebrated 25 years with TNC by talking about his career in fire, and burning in the Sandhills, in the nature.org essay "Saving the Sandhills."

New Mexico: The Forest Stewards Guild, The Ember Alliance, The Nature Conservancy and other partners are gearing up to conduct a **broadcast burn** at Cottonwood Gulch as early as today. The <u>press release</u> **details some of the safety measures** to be taken, as partners work to return to burning in the state. For more, contact **Sam Berry** (sam@forestguild.org).

North Carolina: From Carmella Stirrat (carmella.stirrat@tnc.org) leading a burn to WTREX to Laurel Kays (laurel.kays@tnc.org) talking about being a woman in fire, Fire Networks people and programs are touched on several times in a recent story in Audubon Magazine. "Meet the Fire Starters Restoring One of North America's Greatest Forests," is a suitably expansive look at longleaf pine and fire and the people working to make sure everyone is welcome in the effort to keep these forests growing.

WTREX: The Karuk Women's TREX (KWTREX) that was scheduled to start later this week has been called off due to ongoing wildfires in the area. As they look forward to the smoke clearing, watch the excellent video "The Women They Are Carrying Fire—Pa'asik`tavaansas Kuniktáamvunatih," which was filmed at the event last year.

TREX: Recent participation in Loup River, Flagstaff, Yurok and Klamath River TREX events helped inform the writing of journalist and author M.R. O'Connor (maura.r.oconnor@gmail.com). Her new book, Ignition: Lighting Fires in a Burning World, will be available October 17.

Funding: AIM

AIM: Coalitions and Collaboratives Inc. is soliciting applications for its Action, Implementation and Mitigation Program. A variety of entities, including fire departments, tribal authorities, local collaboratives and NGOs are eligible. For more information, see the COCO website or register for the informational webinar on October 5 at noon Eastern / 9:00 Pacific. Applications, in the form of concept papers, are due by October 27.

Resources: After the Fire / Short-Term Rentals

After the Fire: In the Fire Networks blog post "Stuck in the Mud: Gaps in Post-Fire Recovery Programs," Collin Haffey (collin.haffey@dnr.wa.gov) talks about his experiences last year speaking with New Mexico communities after the Hermit's Peak Calf Canyon Fire. Now the post-fire recovery program manager for the Washington DNR, he closes with a call to action, as the Fire Networks create a community of practice for those engaged in post-fire work—or with such work on the horizon. Details are still being worked out, but if you're interested in being part of this group, contact Tiernan Doyle (tiernan@thewatershedcenter.com) to be added to the update list.

Short-Term Rentals: The **Fire Adapted Montana Learning Network** has a new <u>publication</u>, "**Wildfire Preparedness Guide** For Short-Term Rentals," for those who rent out their properties. It includes tips for **preparing the home**, as well as tear-out sheets to provide **visitors with essential wildfire safety** information. See other resources in Fire Adapted Montana's <u>wildfire preparedness folder</u>.

Articles & Reports: Wildland Fire Commission / Risk Governance / Grassland Fire / Ticks / Refugia

Wildland Fire Commission: After a year of work, the 50-person Wildland Fire Mitigation and Management Commission has released its final report. While addressed to Congress, the report contains a holistic suite of 148 recommendations and explicitly calls out—as one of the seven key themes—the need for collaboration to meet the scope and scale of the challenges at hand. Four of the Commission members have ties to the Fire Networks—Bill Tripp (representing tribal governments), Kelly Martin (wildland firefighters), Marek Smith (NGOs) and Neil Chapman (municipal governments).

Risk Governance: The <u>article</u> "Wildfire Risk Governance From the Bottom Up: **Linking Local Planning Processes** in Fragmented Landscapes" looks at patterns of participation in **CWPPs in the western U.S.** and their linkages.

Grassland Fire: The <u>paper</u> "Calculating Fire Danger of Cured Grasslands in Temperate Climates—The Elements of the **Grassland Fire Index** (GLFI)" discusses an update to a model developed about 15 years ago by the German Meteorological Service to account for an increase in **extreme weather** events.

Ticks: The <u>publication</u> "**Prescribed Fire as a Tool** for Controlling Tick Populations in the Southeastern United States" from University of Florida Extension discusses the range of ways **fire can impact tick populations** and their **encounters with hosts**.

Refugia: The <u>article</u> "Refuge-yeah or refuge-nah? Predicting Locations of Forest Resistance and Recruitment in a Fiery World" looks at **upland conifer forests** in the southwestern U.S. The authors "found that **low pre-fire forest cover**, **flat** slopes or topographic concavities, **moderate weather** conditions, **spring**-season burning, and areas affected by **low- to moderate-severity fire within the previous 15 years** were most commonly associated with refugia."

In the News: Community Climate Resilience

Community Climate Resilience: A <u>statement</u> from the Gordon and Betty Moore Foundation notes that four major philanthropic organizations have committed to <u>building more climate-resilient</u> communities. The announcement was made in conjunction with the **White House** releasing the first-ever National Climate Resilience Framework.

More: Food Sovereignty / The Size of the Moon

Food Sovereignty: The <u>video</u> "Healing the People by Healing the Land with Fire" was produced by the Northern Rockies Fire Science Network and the Spokane Tribal Network. Having started on the path of revitalizing cultural burning for food sovereignty, "the Spokane Tribal Network and Washington Prescribed Fire Council are exploring options to conduct a larger cultural burn at the garden" through TREX, according to a recent *Friday Flash* newsletter.

The Size of the Moon: Last month the 2 Watersheds-3 Rivers-2 States Cohesive Strategy Partnership (the **2-3-2**) kicked off **The Dirt and Dust**, a <u>new podcast</u> that **explores the landscape** on the New Mexico-Colorado border. In "Five Million Acres or Roughly the Size of the Moon," host **Alex Handloff** catches up with a **long-distance hiker**.

Jobs

Director: The **Indigenous Stewardship Network** is seeking a **network director**, who will be instrumental in networking Indigenous people throughout California and beyond. See the attached position description for details; review of applications will begin **October 6**.

Debris Flow: The **Washington Geological Survey** is hiring a geologist to serve as **program manager** for its new **Post Fire Debris Flow Hazard Program**. See the state's careers page (<u>job number 2023-9-A280-11954</u>) for details; applications are due by **October 11**.

Research: The University of Idaho is seeking a research scientist (postdoc) and a research associate (data analyst) for a research effort to evaluate the effectiveness of fuel reduction treatments through case studies of wildfires interacting with those treatments. See the attached flyer for details; applications are due by October 12.

Fire Extension: **Oregon State University** is filling an **extension fire regional specialist** position responsible for program development and delivery related to wildland fire science and management across all land ownerships and vegetation types in **northeastern Oregon**. See the <u>posting</u> on the OSU website for details; applications are due by **October 13**.

Development & Comms: The **Watershed Research and Training Center** is seeking a **development and communications director** to lead strategy development and implementation. See the WRTC <u>careers page</u> for details; review of applications begins **October 16**.

Prescribed Fire: Fire Forward, a program of Audubon Canyon Ranch, is hiring four prescribed fire practitioners (details) and five prescribed fire apprentices (details). Reporting to the squad lead, the prescribed fire practitioners will work alongside the prescribed fire apprentices as a prescribed fire and ecosystem stewardship crew to prepare and conduct prescribed burns. Applications for both positions are due by November 5.

Hotshot Program: The New Mexico Forestry Division is looking for two passionate, qualified wildland firefighter supervisors for an opportunity to build a new state Hotshot program and develop a NWCG Type 1 crew from the ground up. Details are on the state's <u>careers website</u>—see <u>job ID 137173</u> for the Pecos River Hotshot superintendent, or <u>job ID 137166</u> for the Eagle Peak Hotshot superintendent. Applications are due by November 12. Current State of New Mexico employees should apply through their SHARE account.

Program Director: Sustainable Northwest is seeking a **forest program director** to advance their vision of forest health, resilience and rural economic development across the Pacific Northwest. See the job announcement for details.

Crew Manager: The Nature Conservancy in Nebraska is hiring a burn crew manager (FFT1). Details are on the TNC careers page (job ID 53890); current employees should apply through PeopleSoft.

Burn Crew: The Nature Conservancy in North Carolina is seeking three Coastal Plain Burn Crew managers (FFT1 preferred) and seven crew members (FFT2). Details are on the TNC careers page (job ID 53878 and job ID 53877); current employees should apply through PeopleSoft.

Fire Management: The Nature Conservancy in Tennessee is hiring a fire management specialist (minimum ENGB) who will provide technical leadership and overall programmatic support to the Tennessee and Kentucky fire and stewardship programs. Details are on the TNC careers page (job ID 52599); current employees should apply through PeopleSoft.

CWPP: The Ember Alliance is seeking a CWPP project manager, to be based in Colorado or Montana. Details are in a posting on smartrecruiters.com.

Webinars	
October 4 new listing	Wildfire Risk Reduction, Carbon Dioxide Removal, and Biochar: The Challenges of Scaling Up 8:00 Pacific / 9:00 Mountain / 10:00 Central / 11:00 Eastern (3.5 hr) Increased federal funding for forest restoration and wildfire risk mitigation is expected to generate enormous volumes of biomass. Biochar is an alternative to returning all the carbon to the atmosphere through burning or decay. This event will be live-streamed, and a recording available afterwards (details).
October 6	Mid-21st Century Shifts in Fire Regimes of Pacific Northwest Westside Forests Due to Future Climate Change & Impacts to Communities 10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern John Kim and Alex Dye will be the presenters on this webinar in the Forest Service's First Friday All Climate Change Talks series (register).
October 10 new listing	Are Hydrological Services Overlooked in Our Advocacy for Savanna Restorations? Inferring Grassland Hydrology From Woody Encroached Savannas 11:00 Pacific / noon Mountain / 1:00 Central / 2:00 Eastern Shishir Basant will be the presenter for this webinar from the Oak Woodlands & Forests Fire Consortium (register). Continuing education credits are expected.
October 11 new listing	Prescribed Burns as a Tool to Mitigate Future Wildfire Smoke Exposure 11:00 Pacific / noon Mountain / 1:00 Central / 2:00 Eastern Makoto Kelp will be the presenter for this Southwest Fire Science Consortium webinar (register). See also the article of the same name.
October 25	LANDFIRE Office Hours 10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern Robert Ziel and Jennifer Schmidt will speak on "Wildfire Exposure Assessment for Three Boreal Communities in Alaska" (register).

November 1 new listing

Prescribed Fire for Forest Management: Oak and Fire in the Eastern U.S. 6:30 Pacific / 7:30 Mountain / 8:30 Central / 9:30 Eastern (1.5 hr) Charles Ruffner and Wayne Clatterbuck will be the presenters for the first webinar in this year-long series from the Wisconsin Forestry Center at the University of Wisconsin-Stevens Point (register).

November 1 SMOKE: State of the Science

new listing 6:30 Pacific / 7:30 Mountain / 8:30 Central / 9:30 Easter for the fin (1.5 hr)

A discussion by a facilitated panel of Rocky Mountain Research Station Scientists will be guided by questions submitted when registering (register).

December 6 new listing

Prescribed Fire for Forest Management: Fire in Northern Pine Systems 6:30 Pacific / 7:30 Mountain / 8:30 Central / 9:30 Easter for the fin (1.5 hr)

Brian Palik and Jed Meunier will be the presenters on this webinar in the yearlong series from the Wisconsin Forestry Center at the University of Wisconsin-

Stevens Point (<u>register</u>).

Network Workshops & Field Tours

October 23-27 Fire Learning Network Workshop / Blackfoot Valley, MT

FLN leads from across the country will meet for this annual workshop.

November 2-4 Indigenous Peoples Burning Network Workshop / Santa Fe, NM

IPBN leads from across the country will meet for this annual workshop.

January 23-24, 2024 Central Appalachians FLN Workshop / TBD, WV

Save the date for this workshop for Central Apps FLN members and partners.

Prescribed Fire Training Exchanges (TREX) & Cooperative Burning

October 2-8 Yurok-CFMC Cultural Burn Training Exchange (Session 2) / Weitchpec, CA rescheduled Dates of this TREX are being adjusted due to weather and wildfires in the region.

October 2-13 Selkirk Prescribed Fire Training Exchange / Loon Lake, WA

This TREX is in progress.

October 7-22 Intercambio y Entrenamiento en Quemas Prescritas en Español / Hayfork, CA

The deadline for this TREX has passed.

October 8-14 Karuk Indigenous Women+ Training / Karuk ancestral territory (CA)

cancelled This WTREX has been cancelled due to wildfires in the area.

October 9-20 Columbia Gorge Prescribed Fire Training Exchange / Glenwood, WA

The deadline for this TREX has passed.

October 16-20 Canadian Prairies TREX / Saskatoon, Saskatchewan

The deadline for this TREX has passed.

Oct. 30-Nov. 10 Southern Blue Ridge Prescribed Fire Training Exchange / Pickens, SC

The deadline for this TREX has passed.

Oct. 30-Nov. 12 Klamath River Prescribed Fire Training Exchange / Orleans, CA

rescheduled This TREX was rescheduled (from September 25-October 8) due to wildfires in

the area. The deadline has passed.

November 11-18 Santa Barbara Prescribed Fire Training Exchange / Santa Ynez Valley, CA

The deadline for this TREX has passed.

Nov. 25-Dec. 9 Mexico TREX (Intercambio de Experiencias y Entrenamiento en Quemas

Prescritas en México) / Ixtlán de Juárez, Oaxaca

The deadline for this TREX has passed.

March 4-15, 2024 Southern Missouri Prescribed Fire Training Exchange / Marshfield, MO
Nominations for this TREX are being accepted through November 10. See the
announcement for details and a nomination link.

Trainings, Conferences, Workshops, Etc.

October 24-26 California Wildfire Conference / Simi Valley, CA

At this event, a diverse community of wildfire practitioners will focus on understanding, preventing and recovering from wildfires (details).

October 25-28 Society of American Foresters National Convention / Sacramento, CA

Details are at https://eforester.org/safconvention2023.

October 30-31 Oregon Summit on Wildfire Recovery / Eugene, OR

new listing Details are at https://center.uoregon.edu/OregonSummitWildfireRecovery/2023/.

November 1-3 Rural Voices for Conservation Coalition Annual Meeting / South Lake

Tahoe, CA

This year's meeting will explore the emerging vision for rural western communities rooted in the stewardship economy (details).

November 6-10 6th National Cohesive Wildland Fire Management Strategy Workshop /

Santa Fe, NM

Details are at http://cohesivestrategyworkshop.org/.

Nov. 20-Dec. 18 RX-310—Introduction to Fire Effects / online

This course is offered by the University of Idaho as a combination of self-paced

study and live virtual sessions (details).

Nov. 27-Dec. 1 S-290—Intermediate Fire Behavior / online

This course is offered by the University of Idaho as a combination of self-paced

study and live virtual sessions (details).

December 4-8 10th International Fire Ecology and Management Congress / Monterey, CA

Details are at https://afefirecongress.org/.

December 12-14 FEMO: Fire Effects Monitor Workshop / Vandenberg AFB, CA

new listing See the <u>announcement email</u> for details; nominations are due by October 12.

January-May 2024 National Interagency Prescribed Fire Training Center (NIPFTC) 20-Day

deadline Sessions / Tallahassee, FL

PFTC Mixed Module and Fire Leadership for Women 20-day sessions are accepting applications through October 15. See the website for details.

January 22-26 M-580—Fire in Ecosystem Management / Tucson, AZ

Nominations are being accepted for this National Advanced Fire & Resource

Institute (NAFRI) course through October 31 (details).

January 22-26 RX-510—Advanced Fire Effects / Tucson, AZ

Nominations are being accepted for this National Advanced Fire & Resource

Institute (NAFRI) course through October 31 (details).

Jan. 22-Feb. 21 RX-300—Prescribed Fire Burn Boss / online

This course is offered by the University of Idaho and Tall Timbers, with a

combination of pre-course work, self-paced study and live virtual sessions (details).

April 15-17 After the Flames / Estes Park, CO

Proposals for presentations are being accepted through December 15. See the website for details. Registration is open.

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Send News, Links & Comments

Liz Rank (editor) - Irank@tnc.org - Liz is out Thursdays.

Autumn Bjugstad - autumn.bjugstad@tnc.org - Autumn is out October 20.

Emily Hohman – emily.hohman@tnc.org – Emily is in Blackfoot Valley, MT October 23-27.

James Miller - james.miller@tnc.org - James is in the office.

Jeremy Bailey – jeremy bailey@tnc.org – Jeremy is in the office.

Laurel Kays – <u>laurel.kays@tnc.org</u> – Laurel is out October 6; in training October 9-11; and in Blackfoot Valley, MT October 23-27.

Lemaine Peo – <u>lemaine.peo@tnc.org</u> – Lemaine is out October 6.

Marek Smith – marek smith@tnc.org – Marek is in Dallas October 5-8; in Washington, DC October 25.

Mary Huffman – mhuffman@tnc.org – Mary is in the office.

Miranda Flora – miranda.flora@tnc.org – Miranda is in Blackfoot Valley, MT October 23-27.

Note: October 9 is a Conservancy holiday.

Links

FLN Networker—an archive of back issues is kept at:

http://www.conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/FLNNetworker/Pages/fln-networker.aspx

FLN Webinars—Information about upcoming FLN webinars and recordings of previous ones is at:

 $\underline{\text{http://conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/NetworkProducts/Pages/web} \\ \underline{\text{inars.aspx}}$

Notes from the Field—an index to all Notes is at:

http://www.conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/USFLNPublications/Pages/Index-FLN-Notes-from-the-Field.aspx

TREX—The latest application information for upcoming TREX is always listed at:

 $\underline{\text{http://www.conservationgateway.org/ConservationPractices/FireLandscapes/HabitatProtectionandRestoration/Training/TrainingExchanges/Pages/Upcoming-Training-Exchanges.aspx}$

The Fire Networks are supported by *Promoting Ecosystem Resilience and Fire Adapted Communities Together: Collaborative Engagement, Collective Action and Co-ownership of Fire*, a cooperative agreement between The Nature Conservancy, USDA Forest Service and agencies of the Department of the Interior.

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We seek motivated applicants for our **Network Director** position.

Position: Network Director

Employer: Indigenous Stewardship Network Location: Remotely based in California

Supervisor: Board of Directors

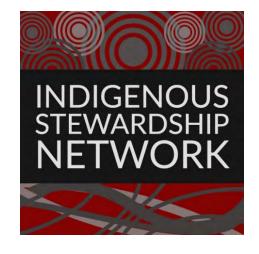
Job Classification: Exempt (salaried position)

Salary Range: Competitive salary negotiable based on

qualifications and experience.

Benefits: Employer provides competitive health benefits,

retirement match, and vacation



About the Indigenous Stewardship Network

The Indigenous Stewardship Network (ISN) is an emerging non-profit organization created in 2022 under a Tribal Charter with the Yurok Tribe. This Native-controlled and Native-led organization was established to bring people together who are committed to advancing community health and wellbeing, traditions and cultural values through Indigenous-led stewardship. While gatherings on these important issues have occurred informally, there is a need for an organized and dedicated support system to coordinate efforts more intentionally for Indigenous land stewardship practitioners in what is colonially known as California. ISN's core programmatic focus is to establish and leverage a network to develop strategies, models, investments as well as other opportunities that strengthens Indigenous stewardship. ISN is currently in its initial growth phase and seeking a Network Director to lead the organization through this phase.

Position Summary

The Network Director is responsible for overseeing and facilitating business operations and programs of the organization under the guidance and direction of the Board of Directors. This includes overseeing implementation of business plan and leading decisions to further the organization's growth consistent with the organization's purpose and bylaws. The Director will be a public face of ISN, creating and maintaining strong, collaborative relationships with all ISN members that is inclusive of all tribes, Native-led organizations, and traditional cultural practitioners. The Director's core function is to **facilitate impactful partnerships that are capable of community level change**. This requires a unique individual who thinks in terms of systems and has the adaptive skill set to work across sectors, political perspectives, and beyond any individual program. Director will also recruit and manage all of ISN's staff and contractors, manage its annual budget, administer policy and programs, and work with the Board of Directors and staff to ensure organizational sustainability.

Key Responsibilities

Operations

- Planning and organization of ISN's day-to-day operations including fundraising, strategy and goal setting, communications, staffing, budgeting, and reporting.
- Recruits, hires, orients, and supervises full-time and part-time staff, and contracted workers.
- Ensures implementation of all policies, procedures, and performance standards by all staff.
- Oversees new initiatives under the direction of the board to support the strategic direction of the organization.
- Builds and maintains relationships with current and potential funders.
- Develops and implements a successful fundraising plan in accordance with ISN's mission and goals.
- Provides regular board reports on all strategic, operational, and programmatic matters.
- Works under the direction of the board members to set the organization's strategic direction and priorities and develop policies and procedures.
- Oversees board and staff development and trainings and supports recruitment of new board members and staff.
- Maintains flexibility.

Network Facilitation

- Act as the 'backbone staff' of the ISN to build on the excellent work that has been done to date by
 ensuring newly launched strategies are well aligned, monitored for impact, and build involvement
 across the network and partnerships.
- Engage tribes, Native-led non-profits, and traditional cultural practitioners, government agencies, community members, and any other relevant partners to participate in ISN in moving toward system change through meaningful action.
- Facilitate connections between and among network members where opportunities exist.
- Promotes collaborative partnerships with non-governmental organizations and state and federal agencies that align with ISN's purpose.
- Advocates for effective policy and legislation affecting Indigenous Stewardship.
- Ensure accountability to outcomes.
- Work with directors, members, and partners to facilitate action.

Qualifications

- A minimum of 10 years' combined experience in management, nonprofit or comparable business administration, working with tribes, Native organizations, and Native peoples, and fundraising.
- Demonstrated effectiveness working with tribal, state, and federal governments.
- Working knowledge of and appreciation for Indigenous stewardship practices.
- Ability to multitask and adapt to unforeseen situations and events.
- Demonstrated leadership and management skills.
- A passion for building a coalition that strengthens Indigenous-led stewardship efforts, promotes Indigenous lifeways, and increases community-based opportunities.
- Experience and proven ability to encourage and nurture collaboration among diverse partners.
- Excellent written and oral communication skills, with proven ability to convey information clearly.
- Ability to work independently.
- Valid driver's license and willingness to travel up to 1/4 of the time annually throughout California, with travel to other areas of the United States on occasion.

Applications

To apply, please send a cover letter and resume (in pdf format) to https://docs.google.com/forms/d/e/1FAlpQLSeazleIXwkK6CIP4Xtcon56w552gX7dLZSTPH3CdbS4OumkAQ/viewform?usp=pp_url. Applicants may contact Indigenous Stewardship Network co-leads by email at intertribalfire@thewatershedcenter.com.

Position is open until filled, with application review beginning October 6, 2023



POSITION ANNOUNCEMENT University of Idaho



In collaboration with USDA Forest Service, Northern Research Station & Washington Office

Two positions available in Fire Ecology / Fire Science: Research Scientist I (postdoc) and Research Associate I (data analyst)

About the positions: Two positions are available as part of a collaboration between the University of Idaho and the USDA Forest Service Northern Research Station on a National research effort to evaluate the effectiveness of fuel reduction treatments including mechanical thinning and prescribed fire, through case studies of wildfires interacting with those treatments. The objectives of the research are to (1): advance knowledge about the conditions under which wildfire fuel treatments produce desirable outcomes, including reduction in fire severity, successful containment of fire spread by suppression operations, and reduction of wildfire impacts to homes and other infrastructure; (2) apply that knowledge to inform future adaptive management in a changing climate; and (3) evaluate differences across geographic regions using analyses of case studies. Both positions will work closely with scientists at multiple USDA Forest Service research stations and University partners. Each position will take on different roles (flexible and to be determined, based on strengths and interests) in accomplishing the project objectives. Funding for each position is available for 2.7 years and possibly longer based on satisfactory performance and availability of additional funding. Both full-time, exempt positions will be based in the Department of Forest, Rangeland, and Fire Sciences at the University of Idaho (Moscow, ID) but remote options may be considered. Most of the work effort will be office-based although opportunities to assist in field-based research may be available depending on interest. Occasional travel to attend project meetings and/or conferences to present results is expected.

Required qualifications:

- Research Scientist I (postdoc): An earned PhD in quantitative sciences, quantitative ecology, resource management, forestry, remote sensing, geographic information systems, or data science, with a focus on geospatial analysis and forest ecology and management is required. A Master's Degree plus an additional two years of research experience (5 years total) may be substituted for a Ph.D. The Research Scientist I position requires a demonstrated record of published peer-reviewed publications and will assist in overseeing relevant research work of graduate and undergraduate students.
- Research Associate I (data analyst): MSc (strongly preferred), or at minimum BSc plus two years of additional experience, in quantitative sciences, quantitative ecology, resource management, forestry, remote sensing, geographic information systems, or data science, with a focus on geospatial analysis and forest ecology and management is required.
- Both positions: Advanced geospatial analysis skills; documented academic and/or research
 experience in statistical modeling and big data analytics; demonstrated oral and written
 communication skills; ability to work independently and collaboratively on scientific manuscripts;
 demonstrated ability to work independently and within a group; and ability to pass a criminal
 background check.

Preference will be given to candidates who demonstrate: experience processing and analyzing large remote sensing datasets (e.g., Landsat, Sentinel-2, MODIS) and geospatial datasets (e.g., FACTs, FTEM, field data) both locally with R/Python and via Google Earth Engine for wildfire and fuel treatment outcome research; proficiency with running machine learning algorithms (e.g., Random Forest, CART) and regression models (e.g., SAR, LME) to derive ecological insights from big data sets; experience developing reproducible and scalable methodologies using common software and programming languages that can be used by land managers for multi-scale and/or multi-resource decision-making

support for planning, assessments, and monitoring; a background in natural resource management applications and wildland fire sciences; experience presenting research results to scientific and/or management audiences; and ability to work in an interdisciplinary team of scientists and managers.

Responsibilities:

The positions involve research and outreach responsibilities, including:

- Obtaining, compiling, and analyzing geospatial and related datasets
- Collaborative analysis of case studies across the US
- Examining wildfire-treatment outcomes to infrastructure and the built environment
- Writing project reports and leading and/or contributing to peer-reviewed publications
- Disseminating research results through peer reviewed publications and presentations
- Participating in local, regional, and national team meetings through all stages of the research
- Participating in outreach events with project stakeholders
- Presenting results at regional and national professional conferences

About the University of Idaho: The University of Idaho College of Natural Resources is committed to disciplinary and interdisciplinary programs that integrate ecological, social and natural resource science and management systems. Our research, education and outreach sustains people and the land through innovative science, technology and leadership. More information about the University, employee benefits, and resources for applicants is available at https://uidaho.peopleadmin.com/. The University is located in Moscow, ID which has a population of 25,336 and is the county seat of Latah County. Moscow is consistently rated as one of the best places to live in Idaho, offering ease of walking/biking, many community events, and easy access to a multitude of outdoor recreation opportunities.

How to apply:

Apply for these positions at https://uidaho.peopleadmin.com/ by searching for the following position posting numbers:

- Research Scientist I (postdoc): posting # SP004120P (https://uidaho.peopleadmin.com/postings/42123)
- Research Associate I (data analyst): posting # SP004119P (https://uidaho.peopleadmin.com/postings/42119)

Required application documents:

- 1. Detailed academic CV;
- 2. Cover letter / application statement that includes a description of your qualifications for the position and how the positions fit into your longer-term career goals;
- 3. List of three professional references including complete contact information.

Applications will be reviewed on a rolling basis and the positions will be available until filled. For full consideration, apply by October 12, 2023. The positions will start as soon as possible.

For more information:

Contact Drs. Jessica Miesel (<u>imiesel@uidaho.edu</u>) and Matt Dickinson (<u>matthew.b.dickinson@usda.gov</u>) for questions about the positions.

The University of Idaho (U of I) is an equal opportunity and affirmative action employer committed to assembling a diverse, broadly trained faculty and staff. Women, minorities, people with disabilities and veterans are strongly encouraged to apply. In compliance with applicable laws and in furtherance of its commitment to fostering an environment that welcomes and embraces diversity, U of I does not discriminate on the basis of race, color, religion, national origin, sex, age, sexual orientation, gender identity/expression, disability, genetic information or status as any protected veteran or military status in its programs or activities, including employment, admissions and educational programs.