FLN Networker No. 347: March 8, 2023

News from the Field

California & Beyond: In the FAC Net blog post "Building A **Global Fire Family**: An Interview with **Andrea Bustos** and **José Luis Duce Aragüés**," Andrea (abustos@thewatershedcenter.com) and José (jose@thewatershedcenter.com) talk about their respective journeys in—and visions for—fire.

North Carolina: From the **Southern Blue Ridge FLN**, last week **Adam Warwick** (awarwick@tnc.org) reported that "Our **TNC-NC crew** is available and we've been fortunate to have been drier in some areas along the **Southern and Central Blue Ridge escarpments**, so we have **helped burn a little bit** on the Grandfather and Andrew Pickens ranger districts and on North Carolina Wildlife Resources Commission Gamelands. We have also been doing a **ton of burn unit prep** at Headwaters State Forest, Greenville Water, and on the Appalachian Ranger District. We have **25 crew members**, and are up to about **20 fire volunteers**." Since then, things have picked up, with the SBR crew working on nearly 7,000 acres of burning this week.

IPBN: **Don Hankins** wrote the SoCal Grantmakers op-ed "**Mitigating Wildfires Through Indigenous Fire Stewardship Practices**," with special attention to progress being made in **California**.

WTREX: The **Women-in-Fire TREX** in southeastern **North Carolina** wrapped up last week. There were plenty of posts with **photos and video clips** on the WTREX Facebook page, and on Instagram, as well as a story in the *Columbus County News*. You can also learn more about this and other WTREX on the WTREX StoryMap. **Nikole Simmons** (nikole.simmons@tnc.org)—one of the **women behind the first WTREX**—is one of six "Conservation Trailblazers" featured in *Nature Conservancy* magazine this month.

For **more about TREX**, see "Training Exchanges Support Fire Practitioners, Expand Controlled Burns," the freshly updated page on nature.org.

National: A **yearlong partnership** between **The Nature Conservancy** and the **Aspen Institute** brought together **more than 250 experts** in forest and fire management and policy. Today they released the "**Wildfire Resilience Policy Roadmap**," which weaves together lessons from decades of policy and practice with forward-thinking approaches that incorporate new technology and knowledge to lay out **actions needed** from **Congress, the executive branch and partners**. Several members of the **Fire Networks** contributed to this work, and **Marek Smith** (marek_smith@tnc.org) was among those briefing Congress this morning. Read more in "Roadmap for Wildfire Resilience: How to Get There from Here" on nature.org.

Input Requested: Wildfire Commission

Wildfire Commission: The federal **Wildland Fire Mitigation and Management Commission** has held its first couple of meetings, and several workgroups have begun discussing several topics. Other workgroups will take up the remainder of the topics over the next few months. Through March 22 you can **submit recommendations** via a web form to the groups working on **appropriations** and **workforce** issues.

Funding: America the Beautiful Challenge / R9 Cohesive Strategy

America the Beautiful Challenge: The America the Beautiful Challenge is a public-private grant program for **locally led ecosystem restoration projects** that invest in watershed restoration, resilience, equitable access, workforce development, corridors and connectivity, and collaborative conservation. They are accepting pre-proposals through **April 20**. For more, see last year's funded projects, or sign up for the **applicant webinar** being held on March 9 at 2:00 Eastern.

R9 Cohesive Strategy: **Region 9** of the **USDA Forest Service** has announced an opportunity for **wildfire risk reduction** and **cross-boundary hazardous fuels** funding. For details, see the grants.gov listing for USDA-FS-2023-COHESIVE-STRATEGY. Applications are due by **April 30**.

Resources: Safety Zones / Who Works on FAC / Fire Management 101

Safety Zones: Scientists from the **University of Utah** and **Rocky Mountain Research Station** collaborated on an **interactive online tool**, the **Safe Separation Distance Evaluator**, to help incident management teams identify and assess potential safety zones. An overview of the tool—which uses **slope** and **vegetation height** from LANDFIRE and **burn conditions** and **wind speed** supplied by the user—is in the latest issue of *Science You Can Use* and in a brief video presentation and demo.

Who Works on FAC: A new graphic to explore the various **roles that play a part in fire adapted communities** is available on the recently upgraded fireadapted.org website. The graphic has links to **resources relevant to each of 11 roles**, from academia through utilities.

Fire Management 101: "Fire Prevention vs Fuels Reduction," a recent newsletter from **Fire Adapted New Mexico**, provides **accessible definitions and examples** of some **basic fire management concepts**. For more from FAC NM, you can join the network or subscribe to the newsletter.

Articles & Reports: Invasive Grass / Thinning Costs / Wildfire Costs / Oaks & Rx / Fire & Restoration

Invasive Grass: The article "Feeding the Fire: Annual Grass Invasion **Facilitates Modeled Fire Spread** Across Inland Northwest **Forest-Mosaic Landscapes**" looks at the potential effects of the annual grass **ventenata** (*Ventenata dubia*) in north-central Oregon. The authors conclude that "annual grass invasion can influence fire behavior and resilience across forest landscapes despite primarily invading nonforested areas, and highlights invasion as an important management issue in an expansive forest-mosaic ecosystem."

Thinning Costs: The authors of the article "The Cost of Forest Thinning Operations in the Western United States: A **Systematic Literature Review** and New Thinning Cost Model" developed a **spreadsheet-based model to estimate thinning costs** for various harvesting systems.

Wildfire Costs: "The True Cost of Wildfire in the Western U.S.," a report from the Western Forestry Leadership Coalition, lays out **three high-level categories of costs** and includes eight **case studies** of major wildfires from 2011 through 2020, as well as brief **highlights from previous works** on wildfire costs.

Oaks & Rx: The article "Prescribed Fire Causes **Wounding and Minor Tree Quality Degradation** in Oak Forests" is based on a **retrospective study** of 139 oak-dominated stands across four national forests (in Indiana, Kentucky, Missouri and Ohio), each with a history of **zero to six prescribed fires** over the last 30 years.

Fire & Restoration: The authors of the [article](#) "Too Hot, Too Cold, or Just Right: **Can Wildfire Restore Dry Forests** of the Interior Pacific Northwest?" applied models and historical reconstructions to four national forests in **eastern Oregon**. Their "results suggest historical forest conditions created by recurrent fire are not readily restored by single fires and **landscapes have likely passed thresholds** that preclude the effectiveness of managed wildfire alone as a restoration tool."

Podcasts: Ecological Fire Restoration / PODs

Ecological Fire Restoration: **Deb Landau** talks fire, past and present, in the **Rewilding Earth** podcast [episode 98](#),"The Story of **Fire and Ecological Restoration** With Deborah Landau."

PODs: **Matt Thompson** and **Kit O'Connor** talk "Potential Operational Delineations: New Horizons for **Proactive, Risk-Informed Strategic Land and Fire Management**" on [episode 20](#) of **Fire Ecology Chats**, from the **Association for Fire Ecology**.

Jobs

Burn Crew: **The Nature Conservancy** in **Pennsylvania** is seeking **as-needed burn crew members** (FFT2) in the northeastern part of the state. Details are on the Conservancy's careers page ([job ID 53050](#)); current employees should apply through [PeopleSoft](#). Applications are due by **March 9**.

Research Fellow: The **Aldo Leopold Wilderness Research Institute** is seeking a **wilderness research fellow** to conduct research on **prescribed fire in designated wilderness**. For details, see the position description on zintellect.com ([reference code USDA-USFS-2023-0004](#)); applications are due by midday on **March 10**.

Rx Specialist: **The Nature Conservancy** in **Washington** is hiring a **prescribed fire specialist** (ICT4/ RXB3 or FIRB) to be part of a new effort to accelerate the use of ecological fire in the central and eastern part of the state. Details are on the Conservancy's careers page ([job ID 52891](#)); current employees should apply through [PeopleSoft](#). Applications are due by **March 14**.

Executive Director: The **Grand County Wildfire Council** (Colorado) is hiring an **executive director**. Details are in the attached job description. Apply by **March 15**.

Postdocs: Lindsay Campbell and Miranda Mockrin (both **USDA Forest Service**) are leading a new project focusing on community-level adaptation to wildfire, working in collaboration with Portland State University, Community Wildfire Planning Center and CU Denver. They are seeking to fill **three postdoc positions**—in **wildfire adaptation**, **environmental governance** and **communications networks**. See the attached flyer for details. Review of applications begins **March 15**.

Land Management: **The Nature Conservancy** is hiring a **Virginia director of land management**. Details are on the Conservancy's careers page ([job ID 53008](#)); current employees should apply through [PeopleSoft](#). Applications are due by **March 19**.

Graduate Students: The **University of Idaho** has two funded opportunities for students working with **Travis Paveglio**—a **PhD research assistantship** in **wildfire recovery** and an opportunity for an **MS or PhD** student interested in the **assessment of wildfire adaptation program evaluation** and development of fire adapted communities. See the attached flyer for details.

Crew Lead: **The Ember Alliance** is seeking a **prescribed fire/fuels module leader** for its crew based in Troy, North Carolina. See the [posting on smartrecruiters.com](#) for details.

Burn Crew: **The Nature Conservancy** in **Arkansas** is hiring four seasonal (March-November) **burn crew members** (FFT2) in the northeastern part of the state. Details are on the Conservancy's careers page (job ID 53053); current employees should apply through PeopleSoft.

Webinars

March 9
updated

Community-Focused Programs, Datasets and Planning Resources for Wildfire Risk Mitigation
10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern
Gregory K. Dillon, Eva C. Karau and Kelly Pohl will be the presenters in this webinar from the Missoula Fire Sciences Laboratory (details).

March 13, 20

Wildfire and Prescribed Fire Effects on Wildlife
11:30 Pacific / 12:30 Mountain / 1:30 Central / 2:30 p.m. (1.5 hr)
In this series from the Northern Rockies Fire Science Network, each session will feature three speakers, with a synthesis in the final session (details; register).

March 15

Short-Interval High-Severity Reburns Change the Playing Field for Forest Recovery
9:30 Pacific / 10:30 Mountain / 11:30 Central / 12:30 Eastern (1.5 hr)
Tyler Hoecker and Kristin H. Braziunas will be the presenters in this webinar from the Northern Rockies Fire Science Network (details).

March 16

How an Evidence-Based Approach to Community-Focused Wildfire Education Programs Can Put People at the Center of Wildfire Solutions
10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern
Hannah Brenkert-Smith and James Meldrum will be the presenters in this webinar from the Missoula Fire Sciences Laboratory (details).

March 16
new listing

The Skinny on Smoke—Outlooks, Education and Awareness
1:00 Pacific / 2:00 Mountain / 3:00 Central / 4:00 Eastern
Kerry Jones will be the presenter in this webinar from Fire Adapted New Mexico (details).

March 29

LANDFIRE Office Hours: Western Wildfires Story Map—Joint Fire Science Program
10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern
A brief presentation will be followed by LANDFIRE Q&A (register).

March 29
new listing

AFE Student and Early-Career Connections: University of Idaho & SAFE
3:00 Pacific / 4:00 Mountain / 5:00 Central / 6:00 Eastern
Heather Heward will speak at this meeting that is intended to provide a platform for student and early career professionals to meet, to get better connected as a community and to be inspired (register).

April 5
new listing

Landscape Fuel Treatment Effectiveness
10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern (1.5 hr)
Sharon M. Hood, Theresa B. Jain, Alexandra K. Urza, Shawn T. McKinney and Jeff Ott will be the presenters on this webinar hosted by several of the JFSP fire consortia and the Rocky Mountain Research Station (register).

April 18 **new listing**	**AFE Student and Early-Career Connections: Missoula Fire Lab** 10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern Sara Brown, Sara McAllister, Mark Phinney and Sharon Hood will speak and give demos at this meeting that is intended to provide a platform for student and early career professionals to meet, to get better connected as a community and to be inspired ([register](#)).

Network Workshops & Field Tours

May 23-25	**Southern Blue Ridge FLN Workshop / Black Mountain, NC** Save the date for SBR FLN Workshop 17, held in the Central Blue Ridge Escarpment landscape. Contact Jen Lamb (jlamb@tnc.org) if you need to be added to the mailing list.
October 23-27	**Fire Learning Network Workshop / Blackfoot Valley, MT** FLN leads from across the country will meet for this annual workshop.

Prescribed Fire Training Exchanges (TREX) & Cooperative Burning

Feb. 27-Mar. 10	**Southern Missouri Prescribed Fire Training Exchange / Springfield, MO** This TREX is in progress.
March 20-31	**Women's Training Exchange South Africa (WTREXSA) / Cape Town, SA** The deadline for this TREX has passed.
April 9-22	**Niobrara Valley Preserve Prescribed Fire Training Exchange / Johnstown, NE** The deadline for this TREX has passed.
April 24-28	**Loess Hills Cooperative Burn Week / Pisgah, IA** The deadline for this TREX has passed.
April 24-May 5	**Central Oregon Prescribed Fire Training Exchange / Bend, OR** The deadline for this TREX has passed.
May 1-12	**Women-in-Fire Prescribed Fire Training Exchange Canada (WTREX) / Banff NP** The deadline for this TREX has passed.
October 7-22 **new listing**	**Intercambio y Entrenamiento en Quemas Prescritas en Español / Hayfork, CA** [Vea el anuncio](#) para más detalles. Fecha límite para la recepción de solicitudes, el viernes, 17 de Marzo.

Trainings, Conferences, Workshops, Etc.

March 20-21	**Leading The CWPP Process / Fort Collins, CO** This course from The Ember Alliance and Coalitions & Collaboratives, Inc. is aimed at helping communities and fire departments write, maintain and follow through with CWPPs. See the [TEA website](#) for details.
March 28-30	**IAFC Wildland-Urban Interface Conference / Reno, NV** Visit the [conference website](#) for details.
April 10-13 **new listing**	**Restoration of Sagebrush Ecosystems / Boise, ID** Register by March 11 for this class offered by the BLM and Great Basin Fire Science Exchange ([details](#)).

April 10-June 16
new listing

Interagency Wildland Fire Resource Advisor Course (N-9042) / online
Hosted by the National Park Service, this course is online self-study, with one live webinar session required in May. See the attached flyer for details and registration information.

April 12
new listing

Field Trip: Hermit's Peak and Calf Canyon Fire Footprint / Las Vegas, NM
This full-day tour for fire and forestry professionals, natural resource managers and policy makers is being hosted by the Southwest Fire Science Consortium. Sign up for details.

April 12-13

Colorado Wildland Fire Conference / Fort Collins, CO
The conference focus is "Accelerating Adaptation and Managing Expectations." There is also a wildfire mitigation pre-conference workshop April 10-11 and a field tour of the Poudre watershed April 14. See the conference website for more.

April 25-28
deadline

Prescribed Fire for Wildlife / Haines City, FL
Registrations for this course offered by the Florida Chapter of The Wildlife Society and the Florida Fish and Wildlife Conservation Commission are being accepted through March 12, or when filled (course details).

May 2-4

Cross-Boundary Landscape Restoration Workshop / Fort Collins, CO
See the workshop website for details.

May 6
new listing

Wildfire Community Preparedness Day / USA and Canada
See the events page at nfpa.org for details, including a project planning toolkit and social media graphics.

May 8-11

RX-410 Smoke Management / Albany, NY
Nominations are being accepted for this training sponsored by the Northeastern Forest Fire Protection Commission (details). Apply by April 7.

May 16-18

Fire in Eastern Oak Forests Conference / Tyler, TX
See the conference website for details. Early bird extends through March 31.

May 23-25

Washington DNR Certified Prescribed Burn Manager Course / Deer Park, WA
See the attached email from the Washington Prescribed Fire Council for details. Nominations are due by April 10.

June 22

North Georgia Prescribed Fire Council Meeting / Jasper, GA
Save the date—and watch the GPFC website for details.

July 9-12

Natural Hazards Workshop / Broomfield, CO
See the workshop website for details.

December 4-8

10th International Fire Ecology and Management Congress / Monterey, CA
The call for proposals is open for this Association for Fire Ecology conference.

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Send News, Links & Comments

Autumn Bjugstad – autumn.bjugstad@tnc.org – Autumn is in the office.

Emily Hohman – emily.hohman@tnc.org – Emily is in the office.

James Miller – james.miller@tnc.org – James is in southeast TX March 6-10.

Jeremy Bailey – jeremy_bailey@tnc.org – Jeremy is in South Africa March 19-25.

Laurel Kays – laurel.kays@tnc.org – Laurel is out March 10.

Lemaine Peo – lemaine.peo@tnc.org – Lemaine is in the office.

Marek Smith – marek_smith@tnc.org – Marek is in DC March 7-9; in Iowa & Nebraska March 21-27.

Mary Huffman – mhuffman@tnc.org – Mary is in southeast TX March 5-10; in northern NM March 21-24; out March 28.

Miranda Flora – miranda.flora@tnc.org – Miranda is in the office.

Liz Rank (editor) – lrank@tnc.org – Liz is out Thursdays; in a workshop March 20-24.

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:
http://conservationgateway.org/ConservationPractices/FireLandscapes/FireLearningNetwork/NetworkProducts/Pages/webinars.aspx

TREX—The latest application information for upcoming TREX is always listed at:
http://www.conservationgateway.org/ConservationPractices/FireLandscapes/HabitatProtectionandRestoration/Training/TrainingExchanges/Pages/Upcoming-Training-Exchanges.aspx

Job Opening

The **Grand County Wildfire Council** (GCWC) [www.BeWildfireReady.org]
requires an energetic, creative, and well-organized Executive Director to advance
our nonprofit organization based in Grand County, CO.

Position Title: Executive Director
Position Type: Staff Contractor

Duration: One year with extensions based on available funding
Organization Location: Grand County, CO
Reports to: Grand County Wildfire Council Board of Directors (BOD)
Remuneration: $80-90K per year based on experience and qualifications

Position Description
• Build permanent funding for GCWC's base work of wildfire mitigation, education, and
   engagement.
• Obtain grant funding for risk reduction and home hardening projects.
• Represent the GCWC at public events, meetings and hearings.
• Ensure required administrative records are kept and filings made.

Please send cover letter and resume to:
Grand County Wildfire Council
PO Box 338
Granby, Colorado 80446

or email to:
BeWildfireReady@gmail.com

Applications are requested by March 15, 2023; however, posting will remain open until filled.

Grand County Wildfire Council Executive Director Role Description

General Information

The Grand County Wildfire Council (GCWC) requires an energetic, creative, and well-organized Executive Director to advance our nonprofit organization in Grand County, CO.

PO Box 338
60500 US Highway 40
Granby, Colorado 80446
970-627-7121
BeWildfireReady@gmail.com
www.BeWildfireReady.org

Position Title: Executive Director   ***Position Type:*** Staff Contractor
Duration: One year with extension based on available funding
Organization Location: Grand County, CO
Reports to: Grand County Wildfire Council Board of Directors (BOD)
Remuneration: $80-90K per year based on experience and qualifications

About Grand County Wildfire Council

Grand County Wildfire Council (GCWC) is a non-profit, community-based organization in Grand County, CO, with the mission: *"Through engagement, collaboration, education and action; pursue wildfire prevention, preparedness, mitigation, and survival."*

GCWC's goal is to create a Fire Adapted Grand County by providing a countywide and regional platform that connects practitioners, community, resource and infrastructure managers, and public officials to develop a collaborative approach to advocate for, fund and implement wildfire resiliency.

GCWC is governed by a Board of Directors (BOD). The BOD receives recommendations from a Steering Committee which include fire department personnel, local government, infrastructure operators, HOAs, individual homeowners, community businesses / organizations, and other interested parties.

Position Description

- Build permanent funding for GCWC's base work of wildfire mitigation, education, and engagement.
- Obtain grant funding for risk reduction and home hardening projects.
- Represent the GCWC at public events, meetings and hearings.
- Ensure required administrative records are kept and filings made.

The Executive Director is expected to provide support, planning, and direction on the following:

General Administrative Duties

- Implement the BOD's strategies, goals and objectives
- Advocate for GCWC objectives with residents, businesses, government officials, and outside agencies.
- Manage GCWC's media, social platforms and website
- Draft an annual GCWC budget for BoD approval including funding sources
- Develop external issue positions and advocacy plans.
- Oversee and provide support for all GCWC work groups.
- Promote development, training, and support for volunteers and staff
- Report key performance indicators quarterly to the BOD.
- Conduct annual program reviews to recommend improvements
- Supervise any GCWC contractors and/or staff

Organizational Sustainability / Partnerships

- Facilitate BOD and Steering Committee maintenance of the Council's Strategic Plan and goals.
- Facilitate meetings of the BOD, Steering Committee and Work Groups (quarterly or more frequently)
- Develop relationships with agencies, public, and private entities to promote a Fire Adapted Community
- Ensure the continued participation of GCWC as a member of Northwest Colorado Fireshed Collaborative, Fire Adapted Communities Learning Network, Fire Adapted Colorado, and others.

February 2023

Grand County Wildfire Council Executive Director Role Description

Wildfire Prevention Education and Engagement
- Engage community organizations (e.g., realtors, insurance agencies, utilities, construction contractors, architects, conservation districts, etc.) around wildfire preparedness, mitigation, and survival.
- Work with *Education and Engagement Committee* to coordinate the development and delivery of materials to deliver consistent, specific messaging about wildfire risk and mitigation priorities
- Promote programs under Fire Adapted Communities of the National Cohesive Wildland Fire Management Strategy such as Firewise USA; Ready, Set, Go! etc.

Planning and Implementation
- Support implementation and updates to county and district CWPPs
- Support development of wildland-urban interface building codes and land use plans, with local government, developers and HOAs.

Qualifications & Attributes

The ideal candidate would have:

- B.A. / B.S. in a related study field and 3+ years of experience with non-profit fund raising & management.
- Required: Financial management, fundraising, successful grant writing and reporting experience for non- profits
- Desired: Wildfire mitigation, forest ecosystems management experience
- Possession of a valid Colorado driver's license and personal vehicle available for business travel.
- Proficiency in Microsoft Office (Word, Excel, PowerPoint), QuickBooks, ZOOM
- Ability to work with people and organizations at all levels.
- Excellent communication skills, including public speaking.
- The Executive Director is expected to travel extensively in Grand County from a home based office
  - Mileage will be reimbursed based on the Council's Travel Policy at IRS rates
- As a staff contractor, the ED is expected to supply their own PC with virus protection and smart phone
  - Mobile phone service package with data may be approved for reimbursement by GCWC

Working Conditions
- Work is performed at a desk (~60%), in meetings (~20%) and in the field (20%).
- Position will require flexible work hours when needed (some evenings and weekends)

Equal Employment Opportunity
There shall be no unlawful discrimination or harassment against employees or applications for employment because of race or color, religion or creed, sex or gender, sexual orientation, national origin or ancestry, age, physical or mental disability, military status, genetic information or other protected status.

Postdoctoral scholar in wildfire adaptation. USDA Forest Service

We expect to soon hire a Postdoctoral Scholar position to join the USDA Forest Service on a project investigating community-level adaptation to wildfire in the American West. Compensation will be between $69,107 - $94,199 annually depending on credentials and location. This is a two-year position. The start date is flexible; applicants who can begin spring or summer 2023 will be considered.

The postdoctoral candidate position will work for the US Forest Service, Northern Research Station Work Unit NRS-08, "Communities and Landscapes of the Urban Northeast: Science and Application" with several potential locations (Baltimore, MD, New York City; or potentially remote within conterminous US).

The postdoctoral scholar will work across several sites in the American West, compiling and collecting geospatial data and qualitative data (interviews) to examine wildfire adaptation efforts across and within communities. We seek a geographer, social-ecological systems scientist, social scientist, adaptation scientist, or planner to lead data collection, analysis, scientific writing, and outreach activities. The position will work in a team, leading efforts to understand how local-level wildfire adaptation influences and interacts with federal wildfire risk reduction efforts, including fuel treatments. This research aims to elucidate critical social and ecological conditions that influence adaptation actions among federal and other actors. The postdoctoral researcher will also contribute to broader team efforts to collate information on governance and communication, yielding best practices in collaborative risk reduction.

The postdoc will join a larger team of collaborators from the USDA Forest Service, FilterLabs, Community Wildfire Planning Center, University of Colorado Denver, and Portland State University.

Qualifications

Required

- PhD in relevant field - geographer, social-ecological systems scientist, social science of natural resource management, adaptation scientist, or planner (by anticipated start date)
- Strong publication record (relative to timing of degree)
- Experience with qualitative data collection and analysis
- Facility with geospatial data and ArcGIS software

Preferred

- Experience conducting research independently, including fieldwork experience
- Familiarity with land use planning and natural hazards, natural resource management, and/or wildfire issues
- Experience with NVIVO software or similar

If interested, please email a CV, cover letter, writing sample, and contact information for 3 references to Dr. Miranda Mockrin (Miranda.h.mockrin@usda.gov).

In the cover letter, please detail research experience, fit for the position (including specific methodological skills and experience with each of the other required and preferred qualifications), and career goals following the position.

Review of applications will begin March 15, 2023. The position will remain open until filled. Contact Dr. Miranda Mockrin (Miranda.h.mockrin@usda.gov) with questions.

Members of underrepresented racial or ethnic groups are highly encouraged to apply

Postdoctoral scholar in environmental governance, social networks, and wildfire adaptation. Portland State University

We expect to soon hire a Postdoctoral Scholar position to join a Forest Service-funded project investigating community-level adaptation to wildfire in the American West. Compensation will be between $55,000 and $60,000 annually depending on credentials. This is a two-year position. The start date is flexible; applicants who can begin spring or summer 2023 will be considered.

The postdoctoral candidate position will work at Portland State University in Portland, OR (Dr. Cody Evers, Dr. Max Nielsen-Pincus) with joint supervision from the USDA Forest Service, Northern Research Station (Dr. Lindsay Campbell). Remote work is negotiable depending on qualifications and references.

The postdoctoral scholar will work across several sites in the American West, researching capacities and gaps in governance networks to engage in shared stewardship and collaborative wildfire management. Capacities occur across the governance arena, including federal, state, Tribal, county & municipal governments; non-governmental organizations (NGOs); homeowners' associations (HOAs); civic groups; fire departments; and private firms - and include the knowledge and resources to implement actions.

Working as part of the research team, the postdoc will identify and map key actors, brokers, and institutions related to environmental governance and shared stewardship, focusing on four key landscapes. We will utilize existing datasets from CoMFRT (Central Oregon, Central Washington) and STEW-MAP (Denver Front Range) and harmonize these protocols to inform future data collection on another, fire-prone landscape (Southwest Idaho). Using digital surveys and participatory GIS, we will map the geography and scale of work of wildfire managers and stewardship actors to identify local hotspots of cross-boundary mitigation work. We will also develop geospatial data and maps of actors across sectors in priority landscapes including novel civic stewardship capacity maps and HOA stewardship capacity maps.

We seek a geographer, social-ecological systems scientist, social scientist, adaptation scientist, or planner to lead data collection, analysis, scientific writing, and outreach activities. The position will support research on how local-level wildfire adaptation influence and interact with federal wildfire risk reduction efforts, including fuel treatments. This research aims to elucidate critical social and ecological conditions that influence adaptation actions among federal and other actors. The postdoctoral researcher will also contribute to broader team efforts to collate information on adaptation and communication, yielding best practices in collaborative risk reduction.

The postdoc will join a larger team of collaborators from the USDA Forest Service, Community Wildfire Planning Center, and University of Colorado Denver.

Qualifications

Required
- PhD in a relevant field - including but not limited to: geography, social-ecological systems science, quantitative sociology, math, physics, sustainability science, natural resource management, and environmental studies (by anticipated start date)
- Strong publication record (relative to timing of degree)
- Expertise in social network analysis, social-ecological network analysis, modeling (including ERGM and temporal ERGM).
- Strong experience with scripting languages such as R or Python; use of version control software like git, github, vscode or similar
- Familiarity with social network visualization tools such as Gephi, Kumu, igraph, vis.js, D3, etc.
- Interest in developing applied research, science communication, and translating SNA findings to land managers and decision-makers

Preferred

- Understanding the issue area of natural resource management, environmental governance, collaborative conservation is a plus. Theoretical background in decision-making, collective action, cooperation, and governance
- Interest in mixed-method approaches using SNA along with GIS or other datasets to understand and characterize problems and solutions at the multiple scales from site, to city/region, to landscape level
- Experience with quantitative and qualitative social science data collection and analysis via surveys, interviews, focus groups
- Familiarity with Qualtrics and managing digital questionnaires
- Facility with geospatial data and ArcGIS software, spatial analysis, advanced spatial models
- Experience conducting independent fieldwork, engaging with stakeholders
- Familiarity with land use planning and natural hazards, natural resource management, and/or wildfire issues

If interested, please email a CV, cover letter, writing sample, and contact information for 3 references to Dr. Cody Evers (cevers@pdx.edu).

In the cover letter, please detail research experience, fit for the position (including specific methodological skills and experience with each of the other required and preferred qualifications), and career goals following the position.

Review of applications will begin March 15, 2023. The position will remain open until filled. Contact Dr. Cody Evers (cevers@pdx.edu) or Dr. Lindsay Campbell (lindsay.campbell@usda.gov) with questions.

Members of underrepresented racial or ethnic groups are highly encouraged to apply.

Postdoctoral scholar in communications networks and wildfire adaptation. USDA Forest Service

We expect to soon hire a Postdoctoral Scholar position to join the USDA Forest Service on a project investigating community-level adaptation to wildfire in the American West. Compensation will be between $69,107 and $92,279 annually depending on credentials and location. This is a two-year position. The start date is flexible; applicants who can begin spring or summer 2023 will be considered.

The postdoctoral candidate position will work for the USDA Forest Service, Northern Research Station with joint supervision from the Evanston, IL and New York, NY locations. The position can be located in either duty station or potentially remote.

The postdoctoral scholar will work across several sites in the American West, researching communications about wildfire and associated communication networks for wildfire management in the American West. Focal areas of research include communications among actors about wildlife adaptation and mitigation practices, including examining beliefs and knowledge and how they vary among actors in wildlife communication networks.

We seek a quantitative social scientist or computer scientist with social science expertise, to lead data collection, analysis, scientific writing, and outreach activities. Working as part of the research team, the postdoc will apply big data, social media, and conventional media to rapidly characterize wildfire risk communications for priority landscapes. The postdoc will analyze wildfire risk communications with datasets acquired via AI, including topics (themes), and sentiments of groups, individuals, and communities. The postdoc will also gather social media datasets (e.g., Twitter, Reddit, etc.). Drawing on these big data and social media datasets, the postdoc will pilot web-crawler analysis to elicit organizational-level communication networks from groups' websites. Additionally, this work will triangulate these data with conventional media sources. Overall, this work will analyze communications networks, identify key brokers, and characterize messages that are being transmitted about wildfire risk and mitigation. The postdoctoral researcher will also contribute to broader team efforts to integrate these datasets with information on adaptation and governance.

The postdoc will join a larger team of collaborators from the USDA Forest Service, FilterLabs, Community Wildfire Planning Center, University of Colorado Denver, and Portland State University.

Qualifications

Required

- PhD in relevant field - quantitative social sciences and/or computer science with social science expertise, social-ecological systems scientist, geographer, or social science of natural resource management (by anticipated start date)
- Strong publication record (relative to timing of degree)
- Facility with R, ShinyApps, and python languages
- Experience with natural language processing, text mining, network analysis, social media data analysis
- Experience researching knowledge and communication networks and/or human dimensions of natural resource management

Preferred

- Interest/knowledge in fire management, fire ecology, and prescribed fire
- Experience with webcrawlers and other AI technology
- Expertise in GIS (e.g., ArcGIS Pro, QGIS, R geospatial packages, python - geopandas, arcpy)

If interested, email a CV, cover letter, writing sample, and contact information for 3 references to Dr. Michelle Johnson (michelle.l.johnson@usda.gov).

In the cover letter, please detail research experience, fit for the position (including specific methodological skills and experience with each of the other required and preferred qualifications), and career goals following the position.

Review of applications will begin March 15, 2023. The position will remain open until filled. Contact Dr. Michelle Johnson (michelle.l.johnson@usda.gov) with questions.

Members of underrepresented racial or ethnic groups are highly encouraged to apply.

Ph.D. Research Assistantship in Wildfire Recovery

Funding is available to support a Ph.D. student interested in wildfire social science and human community recovery following wildfire impacts. Successful candidates will work directly with Dr. Travis Paveglio in the Department of Natural Resources and Society at the University of Idaho and in conjunction with Dr. Catrin Edgeley in the School of Forestry at Northern Arizona University. The funded project supporting the assistantship will involve: (1) interviews and interaction with a variety of human populations (e.g. residents, land management or conservation professionals, policymakers, emergency managers, firefighters, etc.) involved in wildfire recovery across multiple states, including California, New Mexico, Montana, Colorado, Idaho and Washington; (2) collection and evaluation of information about diverse wildfire recovery programs available to impacted populations; and (3) development of a database designed to help organize and provide resources for human populations or agencies facilitating recovery following wildfire. The successful applicant will contribute to and lead various components of the project, including but not limited to content analyses, interviews and mixed-mode surveys. The student will work directly with local governments and community organizations across several study areas to produce and communicate research findings that can support local needs related to wildfire recovery and inform the use of federal- and state-level disaster assistance programs.

The successful candidate will be based at the University of Idaho's Moscow campus. They will receive a stipend that covers 20 hours a week as a research assistant, health insurance, and a tuition waiver.

Preferred qualifications:
- Knowledge of or experience with a variety of social science research methods
- Strong interpersonal skills and an ability to effectively communicate with a wide range of non-academic or academic audiences
- Experience conducting social science as it applies to wildfire, resource management, hazards or other environmental issues
- An interest in applying social or policy theories to resource management or hazard management actions
- A willingness to recruit for and conduct field work with a diverse range of stakeholders, including in-person interviews, drop-off surveys, focus groups, or workshops

Other desirable attributes include:
- Existing experience with wildfire management, wildfire/hazard planning and mitigation or disaster/hazard recovery
- Ability to travel and stay at various research locations throughout the year
- Documented experience with qualitative, quantitative, or spatial analysis techniques
- Working knowledge of programs and platforms such as SPSS, NVivo, Qualtrics, and/or ArcMap

Successful candidates would start in Summer or Fall of 2023. To apply please send the following to Dr. Travis Paveglio at tpaveglio@uidaho.edu: (1) a short statement of interest clearly stating experience, qualifications and research interests as they relate to this project; and (2) a current curriculum vitae (CV). Qualified applicants may be contacted for additional information. Applications will be considered on a rolling basis until the position is filled.

If you have any questions or would like more information, please contact Dr. Paveglio at tpaveglio@uidaho.edu.For more information about the University of Idaho Ph.D. graduate degrees, including eligibility requirements, visit the graduate programs webpage for the College of Natural Resources.

Funding opportunities for M.S. or Ph.D. students
in wildfire adaptation program evaluation and development
of fire adapted communities

Funding is available to support M.S. or Ph.D. students interested in the assessment of wildfire adaptation programs or the development of fire adapted human communities. Successful candidates will work with Dr. Travis Paveglio in the Department of Natural Resources and Society at the University of Idaho. Projects will involve field work and extensive interaction with a variety of human populations (e.g. residents, land management or conservation professionals, policymakers, emergency managers, firefighters, etc.) spanning case studies in multiple states, including California, Wyoming, Idaho, Utah, and Washington. The successful applicant(s) will help design, conduct, and publish research on the following topics: (1) human community adaptation to or planning for wildfire; (2) evaluation of policies, programs or organizations focused on tailored adaptation to wildfire among diverse human communities; and (3) how conservation and land management agencies collaborate to advance wildfire adaptation across land ownerships, including the implementation of fuels treatments. Research efforts will likely include interviews, focus groups and surveys with human populations surrounding wildfire management actions.

Preferred qualifications:
- Knowledge of or experience with a variety of social science research methods
- Strong interpersonal skills and an ability to effectively communicate with a wide range of non-academic or academic audiences
- Experience conducting social science as it applies to wildfire, resource management, hazards or other environmental issues
- An interest in applying social or policy theories to resource management or hazard management actions
- A willingness to recruit for and conduct field work with a diverse range of stakeholders, including in-person interviews, drop-off surveys, focus groups, or workshops

Other desirable attributes include:
- Existing experience with wildfire management or wildfire/hazard planning and mitigation
- Ability to travel and stay at various research locations throughout the year
- Documented experience with qualitative, quantitative, or spatial analysis techniques
- Working knowledge of programs and platforms such as SPSS, NVivo, Qualtrics, and/or ArcMap

Successful candidates would start in Summer or Fall of 2023. They would work from the primary University of Idaho campus in Moscow, Idaho. To apply please send the following to Dr. Travis Paveglio at tpaveglio@uidaho.edu: (1) a short statement of interest clearly stating experience, qualifications and research interests as they relate to this project; and (2) a current curriculum vitae (CV). Qualified applicants may be contacted for additional information. Applications will be considered on a rolling basis until positions are filled. However, initial review of applications will begin on April 14.

If you have any questions or would like more information, please contact Dr. Paveglio at tpaveglio@uidaho.edu or 509-595-1607. For more information about the University of Idaho M.S. and Ph.D. graduate degrees, including eligibility requirements, visit the graduate programs webpage for the College of Natural Resources.

INTERAGENCY WILDLAND FIRE RESOURCE ADVISOR COURSE (N-9042)

Hosted by the National Park Service

2023

WHEN: April 10 – June 16: Online Self-Study

May 17, 18, 23: Live Webinar Sessions (one session required)

WHAT: This introductory course provides participants with the background to serve as Resource Advisors during wildland fires. Resource Advisors work with Incident Management Teams and fireline personnel to minimize the impacts of wildland fire and fire management actions on natural, cultural, and social resources. Resource Advisors also provide critical support for the repair of fire suppression damages, identification and mitigation of threats caused by wildfires (e.g., Burned Area Emergency Response [BAER]), and long-term post-fire ecosystem recovery. This training meets the standards of the National Wildfire Coordinating Group (NWCG) Resource Advisor course (N-9042).

Topics discussed in the course include:

- The relationship between Resource Advisors and federal wildland fire policy and procedures
- Resource Advisor qualification requirements, including Administratively Determined (AD) hires
- The role of Resource Advisors within the Incident Command System (ICS)
- Identifying, prioritizing, and protecting natural, cultural, and social resources from fire and fire management actions through Minimum Impact Strategies and Tactics (MIST)
- Practical advice for effectively "doing the job" of a Resource Advisor, from what to pack for an incident to effective communication and conflict resolution techniques
- The role of the Resource Advisor in suppression damage repair
- How to develop a Resource Advisor program at your home unit
- The latest technological innovations for the Resource Advisor
- Overview of post-fire programs (e.g., BAER, Burned Area Rehabilitation [BAR]) and the connection to Resource Advisors

Click here for a detailed Course Overview.

HOW: The course will be offered virtually via the [Wildland Fire Learning Portal](#) (WFLP). All participants must create a WFLP account to enroll in and complete the course. Successful completion of the course will require sufficient Internet connectivity and the ability to communicate via video chat during the live webinar session.

There is no tuition to attend the course.

WHO: This course is open to anyone affiliated with federal, state and local agencies, tribal, and non-governmental organizations engaged in land, resource, and/or fire management responsibilities. Although the subject matter is heavily oriented towards federal land management agencies, most of the course content is broadly applicable.

Those who may benefit include: (1) individuals who currently serve or are interested in serving as Resource Advisors during wildland fire incidents including botanists, ecologists, biologists, hydrologists, geologists, soil scientists, foresters, cultural resource specialists, and GIS specialists; (2) fire managers and administrative decision-makers who interact with Resource Advisors and want to better understand the roles, responsibilities and authority of the position; (3) anyone who would like to learn more about what Resource Advisors do and how wildland fires, fire management actions and post-fire conditions can impact natural, cultural, and social resources.

The most common Resource Advisor positions employed during wildland fire incidents include Resource Advisor (READ), Resource Advisor, Fireline (REAF), Archeologist (ARCH), Cultural Specialist (CULS), and Technical Specialist (THSP). The distinction between the roles and responsibilities of the READ and REAF positions is described in the [NWCG Resource Advisor Guide](#). The ARCH position frequently serves in a similar role as REAF but possesses specialized skills and training in archeology and/or other cultural resources management sub-specialties. The CULS position is typically filled by members of Native American, Alaskan, Hawaiian or other communities with ancestral or historical ties to the affected area. THSP is a general designation that may be used for specialized skill sets and specific tasks related to resource advising, such as suppression damage repair and GIS support.

Resource Advisor positions are currently classified as Technical Specialists by the NWCG. As such, NWCG establishes no minimum qualification standards for Resource Advisor positions (there is no "task book" of required training and experience), leaving the determination to each agency. However, a [supplement to NWCG 310-1](#) has been issued containing minimum requirements for these positions and any agency-specific requirements. Per the 310-1 Supplement, N-9042 is required training for the READ and REAF positions. While not required, it is strongly recommended for ARCH, CULS, and THSP.

PREREQUISITIES AND PRE-WORK: Although there are no prerequisites for this course, it is **strongly encouraged** that applicants complete the following FEMA Incident Command System trainings as they are requirements for qualification as READ, REAF, and ARCH: [ICS-100](#), [ICS-200](#), [IS-700](#).

Still undecided whether this Wildland Fire Resource Advisor course is right for you?
Please read these [common myths](#) surrounding resource advising.

Enrollment Information

IMPORTANT: Do not enroll in this course unless you are willing to put in the effort. Approximately 30-35 hours of self-study, successful completion of the course exam, and participation in a live webinar session are required in order to receive certification. Do not underestimate the considerable time commitment required. Click here for a detailed Course Overview.

A solid Internet connection will be needed to view self-study video presentations and participate in the live webinar session. If a group of individuals from the same organization is interested in enrolling, each individual must create a separate WFLP account and complete all course work independently. Due to limited course capacity, we respectfully ask students to self-unenroll if they do not anticipate being able to complete the course.

How to Register for Enrollment

1. Set up a free user account at **https://wildlandfirelearningportal.net/**
    - Associate your account with an email address (preferably your professional email address) that you will be able to access throughout the duration of the course. Course announcements will be distributed to this address.
2. Within the **Wildland Fire Learning Portal website**, navigate to the **Find Learning > Courses** tabs at the top of the home page and search for "**N-9042 Resource Advisor NPS Western Regions FY2023-01**"
3. Input the Enrollment Code: **2023READ**
4. You should now be enrolled in the course and receive a welcome email from the Learning Portal
5. If you have issues with enrollment reach out to **michelle.barry@usda.gov**

*Non-Governmental Students: If you do not work for a federal, state, county, municipal, or tribal organization, please send an email to cedar_drake@nps.gov describing your reason for wishing to take this course before enrolling.

The last day to enroll in the course is May 1, 2023.

QUESTIONS ?

Frequently Asked Questions (FAQs)
Submit your course questions here