

# FLN Networker No. 319: July 28, 2021

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*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](http://www.conservationgateway.org/fln).

## News from the Field

**Arizona:** Coconino County and the **Greater Flagstaff Forests Partnership** collaborated to create **COCO Wildfire** (<http://CocoWildfire.org>), a **one-stop shop of resources** that county residents can use to find information in the event of a wildfire.

**California:** The [article](#) “Facilitating Prescribed Fire in Northern California through **Indigenous Governance and Interagency Partnerships**” by **Tony Marks-Block** and **Bill Tripp** ([btripp@karuk.us](mailto:btripp@karuk.us)) has just been published in *Fire*. It is part of a collection on **rethinking wildland fire governance**.

Hear more from Bill, along with **Don Hankins**, in the Vox deep-dive [article](#) “We Must Burn the West to Save It.”

**California:** **Frank Lake**, co-founder and advisor to the IPBN and a cultural fire practitioner, recently [received](#) the **Association for Temperate Agroforestry’s award for his research** that addresses the intersections among Indigenous fire stewardship, food security, revitalization of Indigenous fire culture and climate change adaptation.

**Georgia:** **Frank Riley** ([frank.ccrd@gmail.com](mailto:frank.ccrd@gmail.com)) was among those interviewed for the public radio piece “More People Are **Moving to Places Where Wildfires Are a Growing Risk**.” Local affiliate WABE ran an [illustrated version](#) of the story; NPR has a [transcript](#) of the radio version.

**Maryland:** **Deborah Landau** ([dlandau@tnc.org](mailto:dlandau@tnc.org)) spoke about prescribed burning for the imperiled Canby’s dropwort in the *Gizmodo* [article](#) “The Scientist Using Fire to Save Orchids [sic] From Extinction.” You can read a [shorter version](#) in *Nature World News*.)

**North Carolina:** [Part 2](#) of a conversation with **Adam Warwick** ([awarwick@tnc.org](mailto:awarwick@tnc.org)) about the Southern Blue Ridge **call-when-needed fire crew** is now available on the **Southern Fire Exchange** “Friends of Fire” **podcast**. (For more, see “A [Primer](#) for the Call-When-Needed Crew Model.”)

**Oregon:** The **Bootleg Fire** burned through about 15,500 acres of the **Sycan Marsh Preserve** over the last two weeks, but structure protection efforts, combined with the diligent work of staff and partners on the fire, provided the needed protection for the facilities and they are undamaged. In at least some of the **areas recently treated** with thinning and/or prescribed fire, **reductions in fire behavior** were observed; see the [AP story](#) or [Grist article](#) for more. You can also read about some of the research, restoration and training work at the preserve in the 2020 [article](#) by Craig Bienz, Russell Parsons, Nancy Grulke and Katie Sauerbrey, “Sharing the Road: Managers and Scientists Transforming Fire Management.”

**Oregon:** On the last day of its 2021 session, the **state legislature** passed [SB 762](#), “Relating to Wildfire, and Declaring an Emergency.” The bill has **provisions to map wildfire risk, limit development** in high-risk areas, and **mitigate risks** elsewhere; it also recognizes the urgency of the situation, setting a timeline of less than two years. For more, see the [news release](#) from 1000 Friends of Oregon.

**IPBN:** Last week KNAU radio ran “[Earth Notes](#): The Indigenous Peoples Burning Network, **Preserving the Culture of Fire**,” giving a good two-minute introduction to the network and its purpose.

## Nominations: GP Communicator / AFE

**GP Communicator:** The **Great Plains Fire Science Exchange** is seeking [nominations](#) for its **Great Plains Fire Science Communicator Award**. Nominate someone (even yourself!) by **August 1**.

**AFE:** The **Association for Fire Ecology** is requesting **nominations for several awards**, ranging from student excellence to lifetime achievement, for individuals in fire ecology and management. Details are on the [AFE Awards page](#); submissions are due by **August 30**.

## Resources: Equity / Ecosystem Restoration / Spatial Wildfire Data / Wildland Fire 101

**Equity:** The [guide](#) “**Building Alliances for Equitable Resilience**,” from the Resilient Nation Partnership Network, FEMA and NOAA, is a good introduction (or refresher) to equity and resilience. It also includes a section of resources on a wide array of topics.

**Ecosystem Restoration:** The United Nations Development Programme and the Convention on Biological Diversity are offering a free **self-paced course on ecosystem restoration**. The [course](#) is geared to government representatives interested in creating a blueprint for ecosystem restoration at the national or subnational level, but is open to everyone.

**Spatial Wildfire Data:** The [GIS dataset](#) “Spatial Wildfire Occurrence Data for the **United States, 1992-2018**” is now available from the U.S. Forest Service. It includes 2.17 million geo-referenced wildfire records (**point data**).

**Wildland Fire 101:** The Northwest Fire Science Consortium [storymap](#) “Fire Facts” gives a **thorough, accessible introduction** to key aspects of wildland fire, from the fire triangle to fire adapted communities. A few maps and examples are specific to the Pacific Northwest, but the concepts presented are universally applicable.

## Articles & Reports: Climate Adaptation / Transdisciplinary Work / PODs

**Climate Adaptation:** The [article](#) “Beyond Planning Tools: Experiential Learning in Climate Adaptation Planning and Practices” describes an approach for **bridging the gap** that frequently exists between **climate planning tools** and **on-the-ground climate adaptation**.

**Transdisciplinary Work:** The [article](#) “Science With Society: **Evidence-Based Guidance for Best Practices** in Environmental Transdisciplinary Work” explores factors related to the success of work that involves “sustained engagement between researchers (professional scientists or scholars) and practitioners (e.g., resource users, natural resource managers, policy makers).”

**PODs:** In June, the **Colorado Forest Restoration Institute** released the [report](#) “The **Cameron Peak Fire**: Use of Potential Operational Delineations and Risk Management Assistance Products.” It includes a case study of the fire, as well as **lessons learned and recommendations** for POD development and utilization.”

## Videos: Indigenous Fire / Prescribed Burning

**Indigenous Fire:** The [video](#) “Fighting Fire with Fire: **Rebuilding the Art** of Indigenous Fire Keeping,” from the Gathering Voices Society, documents a learning exchange between Indigenous fire practitioners in Canada and Australia.

**Prescribed Burning:** A new [video](#) from **The Nature Conservancy** explains **how and why prescribed burning** is done to restore landscapes in western Montana.

## Jobs: Field Manager / Fire Crew / Fire Ops / Rx Technician / As-Needed Crew / Project Manager / Rx Fire Module / Fire Program Manager / Admin Assistant

**Fire & Stewardship:** The Missouri chapter of **The Nature Conservancy** is seeking three **fire and stewardship crew members** (FFT2) to be based in Lebanon, MO. Details are on the Conservancy's careers page ([job ID 50014](#)); applications are due by **July 30**. Current employees should apply through [PeopleSoft](#).

**Fire Operations:** The **Karuk Tribe Department of Natural Resources** is seeking a **wildland fire operations specialist**. Details can be found in the [vacancy announcement](#); apply by **August 2**.

**Rx Technician:** The Nebraska chapter of **The Nature Conservancy** is seeking three **fall prescribed fire technicians** (FFT2) to be based at the **Niobrara Valley Preserve**. Details are on the Conservancy's careers page ([job ID 50054](#)); applications are due by **August 15**. Current employees should apply through [PeopleSoft](#).

**Field Manager:** The **Tribal EcoRestoration Alliance** is seeking a **field manager** who will work closely with the program director to set up TERA's hand crew for success in its forest management, fuel reduction and fire resilience work. Details are on [TERA's website](#); applications are due by **August 31**.

**As-Needed Burn Crew:** The Maryland chapter of **The Nature Conservancy** is seeking a **burn crew leader** (FFT1) and **burn crew member** (FFT2) for the **Potomac Headwaters landscape**. Details are on the Conservancy's careers page ([job ID 50028](#), [job ID50029](#)); current employees should apply through PeopleSoft ([crew leader](#); [crew member](#)).

**Project Manager:** **The Ember Alliance** is seeking a **resilient communities and forests project manager** to join their Colorado team working to building a better way to do fire management. See the [position listing](#) at SmartRecruiters for details.

**Rx Fire Module:** **The Ember Alliance** is hiring four seasonal **Southeastern Idaho Prescribed Fire Module crew members**; an arduous pack test is required. For details, see the [position listing](#) at SmartRecruiter.

**Admin Assistant:** The **Karuk Tribe Department of Natural Resources** is seeking an **administrative support assistant** who will report to the FMO and develop, administer and assist in the management of the Integrated Wildland Fire Management deliverables and funds. Details can be found in the [vacancy announcement](#).

**Fire Program Manager:** The **Karuk Tribe Department of Natural Resources** is seeking a **unit fire program manager** for The Karuk Integrated Wildland Fire Management Program. Details can be found in the [vacancy announcement](#).

## Webinars

**July 29**  
**new listing**

### **Passenger Pigeons—A Force of Forest Disturbance**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern

Ian Thompson and Ben Novak will be the presenters on this CAFMS webinar. They'll introduce the cultural and ecological significance of passenger pigeons, and what their disappearance means in terms of ecological disturbance processes and the implications for forest and fire management today.

Register: [https://clemsun.zoom.us/webinar/register/6616261988598/WN\\_CE\\_V\\_rC7cS-G2tA6eH16fog](https://clemsun.zoom.us/webinar/register/6616261988598/WN_CE_V_rC7cS-G2tA6eH16fog)

August 12

**Potential Impacts of Prescribed Fire Smoke on Air Quality, Public Health, and Socially Vulnerable Populations in the Southeastern U.S.**

10:00 Pacific / 11:00 Mountain / noon Central / 1:00 Eastern

This Southern Fire Exchange webinar will cover a recent project that used burn permit records, air quality modelling, and epidemiological associations between fine particulate matter concentrations and multiple health endpoints to examine these impacts, with a focus on case studies in Georgia and North Carolina.

Register: <https://southernfireexchange.org/calendar/sfe-webinar-potential-impacts-of-prescribed-fire-smoke-on-air-quality-public-health-and-socially-vulnerable-populations-in-the-southeastern-u-s/>

## Prescribed Fire Training Exchanges (TRES)

Oct. 18–Nov. 1

**Flagstaff TRES / Flagstaff, AZ**

The deadline for this TRES has passed.

Oct. 25–Nov. 5

**Southern Blue Ridge TRES / North Carolina, South Carolina**

The deadline for this TRES has passed.

## Trainings, Conferences, Workshops, Etc.

August 18-19  
updated

**North Carolina Prescribed Fire Council Annual Meeting / Morganton, NC**

Register: <https://apfire.wixsite.com/ncpfc>

Sept. 13-Nov. 14  
new listing

**Mitigation Best Practices Training / online**

This training from Coalitions & Collaboratives, Inc. and the USDA Forest Service is designed for current or future mitigation specialists, wildfire program leads and others who work with residents and communities to reduce wildfire risk.

Information: <https://co-co.org/programs/mitigation-best-practices-training/>

September 21-23

**Colorado Wildland Fire Conference: Resilient Colorado—Moving Forward in Evolving Wildfire Landscapes / Grand Junction, CO**

Information: <https://www.wildfire-colorado.com/>

September 21-23

**Great Plains Fire Summit & Nebraska Prescribed Fire Conference / North Platte, NE**

Information: <https://www.eventbrite.com/e/great-plains-fire-summit9th-annual-nebraska-prescribed-fire-conference-registration-92767210223>

October 4-8

**4th National Cohesive Wildland Fire Management Strategy Workshop / Asheville, NC**

Information: <https://www.iawfonline.org/event/4th-annual-national-cohesive-wildland-fire-management-strategy-workshop/>

October 28-29

**New Mexico Wildland Urban Fire Summit / online**

There is a call for presentations on the theme “Community, resilience and recovery”: <https://facnm.org/news/2021/7/2/call-for-presentations-new-mexico-virtual-wildland-urban-fire-summit>

November 3-7

**Society of American Foresters National Convention / Sacramento, CA**

SAF is soliciting submissions for science flashes and posters (deadline August 31).  
Information: <https://eforester.org/safconvention/>

**Nov. 29-Dec. 2  
new listing**

**Southern Area Interagency Prescribed Fire Training for Burn Bosses and Agency Administrators / Chattanooga, TN**

Agency requirements for certification normally included at RT-300 will be covered, along with a curriculum for agency administrators and others; practitioners from federal and state agencies, tribes, NGOs and academia are welcome. The workshop is organized conference-style, and all participants will pre-register for a subset of sessions.

Information: see the attached flyer for details and a registration link

**Nov. 30-Dec. 4**

**9th International Fire Ecology and Management Congress / online and Miramar Beach, FL**

The theme for this year's AFE congress is "Life with Fire: Prescriptions for Resilience." A [call for proposals](#), for various formats, is open; proposals for oral presentations and fire circles are due August 15 and proposals for posters are due August 30. Registration is open.

Information: <http://afefirecongress.org/>

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## Send News, Links & Comments

**Emily Hohman** – [emily.hohman@tnc.org](mailto:emily.hohman@tnc.org) – Emily is in Blackfoot Valley, MT July 26-28; out July 30, August 9, 12-13, 18.

**Heather Montanye** – [hmontanye@tnc.org](mailto:hmontanye@tnc.org) – Heather is out July 28.

**Jeremy Bailey** – [jeremy\\_bailey@tnc.org](mailto:jeremy_bailey@tnc.org) – Jeremy is in the office.

**Marek Smith** – [marek\\_smith@tnc.org](mailto:marek_smith@tnc.org) – Marek is in the office.

**Mary Huffman** – [mhuffman@tnc.org](mailto:mhuffman@tnc.org) – Mary is in Asheville, NC August 11-18.

**Wendy Fulks** – [wfulks@tnc.org](mailto:wfulks@tnc.org) – Wendy is out August 6-9.

**Liz Rank** (editor) – [lrnk@tnc.org](mailto:lrnk@tnc.org) – Liz is out July 29, August 5, 12.

## Full Links

News from the Field—CA—Fire: <https://www.mdpi.com/2571-6255/4/3/37/htm>

Vox: <https://www.vox.com/21507802/wildfire-2020-california-indigenous-native-american-indian-controlled-burn-fire>

News from the Field—Frank Lake: <https://www.fs.usda.gov/inside-fs/recognition/dr-frank-lake-wins-agroforestry-award>

News from the Field—GA—Full story: <https://www.wabe.org/in-the-southeast-many-people-move-to-fire-prone-areas-but-few-know-the-risk/>

Transcript: <https://www.npr.org/2021/07/08/1014098351/wildfires-are-a-growing-risk-in-places-where-the-danger-used-to-be-minimal>

News from the Field—MD--Gizmodo: <https://gizmodo.com/the-scientist-using-fire-to-save-orchids-from-extinctio-1847283484>

Shorter: <https://www.natureworldnews.com/articles/46755/20210716/orchids-extinction-orchids-conservation-scientist.htm>

News from the Field—NC—Podcast: <https://open.spotify.com/show/2tZoEqZvMgFWeESupb4lxV>

Primer: <https://tnc.app.box.com/s/o4wg6j8m0re81xcdjw4a1tfu1ct64ew>

News from the Field—OR—Sycan Marsh—AP story: <https://www.npr.org/2021/07/20/1018522825/bootleg-wildfire-forest-management>

Grist: <https://grist.org/extreme-weather/wildfire-bootleg-fire-news-forests/>

Research article: <https://www.fs.usda.gov/treearch/pubs/62321>

News from the Field—OR—Bill: <https://olis.oregonlegislature.gov/liz/2021R1/Measures/Overview/SB762>

News release: <https://friends.org/news/2021/7/our-legislative-wildfire-wrap-sb-762>

News from the Field—IPBN: <https://www.knau.org/post/earth-notes-indigenous-peoples-burning-network-preserving-culture-fire>

Nominations—GP communicator: <https://gpfirescience.org/great-plains-science-communicator-award/>

Nominations—AFE: <https://fireecology.org/award-nominations>

Resources—Equity: [https://www.fema.gov/sites/default/files/documents/fema\\_rnnp\\_building-alliances-for-equitable-resilience.pdf](https://www.fema.gov/sites/default/files/documents/fema_rnnp_building-alliances-for-equitable-resilience.pdf)

Resources—Ecosystem restoration: <https://www.learningfornature.org/en/courses/ecosystem-restoration/>

Resources—Spatial wildfire data: <https://www.fs.usda.gov/rds/archive/Catalog/RDS-2013-0009.5>

Resources—Wildland fire 101: <https://storymaps.arcgis.com/stories/ec08804eb22c472b9b26467e2a8d145c>

Articles & Reports—Climate adaptation: [https://www.fs.fed.us/nrs/pubs/jrnl/2021/nrs\\_2021\\_schmitt\\_001.pdf](https://www.fs.fed.us/nrs/pubs/jrnl/2021/nrs_2021_schmitt_001.pdf)

Articles & Reports—Transdisciplinary work: [https://www.fs.fed.us/pnw/pubs/journals/pnw\\_2021\\_steger001.pdf](https://www.fs.fed.us/pnw/pubs/journals/pnw_2021_steger001.pdf)

Articles & Reports—PODs: <https://cfri.colostate.edu/wp-content/uploads/sites/22/2021/06/CameronPeakFirePODsReport.pdf>

Videos—Indigenous fire: <https://vimeo.com/377626207>

Videos—Prescribed burning: <https://www.youtube.com/watch?v=roklegBVrjA>

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>

The Fire Learning Network is 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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## Southern Area Interagency Prescribed Fire Training for Burn Bosses and Agency Administrators

We invite you and your organization to participate in the 2021 Southern Area Interagency Prescribed Fire Training for Burn Bosses and Agency Administrators which will be held **November 29 – December 2, 2021** at the **Chattanooga Convention Center, Chattanooga, TN.**

The key word this year is interagency – and that means more than just federal agencies. We are welcoming federal, state, tribes, non-government organizations, academia; really anyone who participates in prescribed burning to attend. Yes, the various agency requirements for certification normally included at RT-300 will be covered but there is so much more to the 2021 event. This year we have curriculum for agency administrators as well as burn bosses. Plus, this event provides an opportunity to share the latest and greatest technology, information, techniques and successes within the prescribed fire community. The event is meant to be a learning experience for all that attend, an opportunity to build relationships, and discuss key issues in prescribed fire, monitoring and ecosystem management and restoration. The workshop is organized conference-style, and all participants will pre-register for a subset of sessions over 3 days.

### How can you and your organization participate?

- **Register and participate in the training:** This training will include multiple sessions covering over 20 topics including monitoring, ecosystem management, firing techniques, risk decision making, working with the public and writing better burn plans. *Plan to arrive in Chattanooga on November 29 to sign in.* [Register Here.](#)
- **Display posters about your organization or programs:** Use this opportunity to relay your organization's mission, recruit personnel or share your accomplishments. Posters will be displayed throughout the convention center and will not be staffed.
  - **Informational Poster:** Agencies and organizations, please take this opportunity to brag about your program and accomplishments. Your agency or group may be sponsoring a contest for the best poster submission!
  - **Research Poster:** We don't want you to create a new poster, but rather reuse posters you have created for other meetings or conferences and share them with a new audience. You do not need to attend to share your poster.

**Contact Beth Buchanan at [beth.buchanan@usda.gov](mailto:beth.buchanan@usda.gov) for more information on poster displays.** Sorry, your material cannot be returned but we may redisplay it at future events.

- **Information Tables and Technology Room Booths:** We are hosting information tables and a technology room where you can interact with attendees throughout the event.
  - **Information tables** with brochures, displays or handouts will be located throughout the center and students can visit during breaks and lunch.
  - **The Technology Room** will be a session that participants can enroll in allowing them several hours dedicated to learning about the latest technologies of their choice. If you have tools or software that would best be explained in an individual or small-group session, please sign up to demo in the Tech Room.

**Contact George Custer at [ghcuster@gmail.com](mailto:ghcuster@gmail.com) if you have questions about booths.** George can help determine the best use of your information at a Tech Room booth or information table.

To contribute a poster please go to this link [Posters](#)

To provide an information booth use this link [Information Booth](#)

And if you'd like to join the Tech Room, use this link [Tech Room](#)

We look forward to having representation from all the organizations, agencies, partners and researchers who support prescribed fire in the southern area!