

# Instructions



# Welcome

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Coalitions & Collaboratives | [co-co.org](http://co-co.org)

### AIM GRANT

CCOCO offers a unique wildfire mitigation funding opportunity for a wide variety of capacity-building activities, including personnel, planning and wildfire risk reduction work on non-federal land.



### COMMUNITY WILDFIRE MITIGATION BEST PRACTICES TRAINING

The CWMBP national-level training is designed for current or future mitigation specialists, wildfire program leads and others who work with residents and their communities, to become more efficient and effective at reducing wildfire risk.

### COLDFIRE SEQUESTRATION

Coldfire is a group of mycology researchers investigating the use of native fungi to heal and improve our forests with the forest ecology itself. Fungal-produced composts have been scientifically proven to hold twice as much carbon. This could provide an opportunity in which to increase our carbon stores naturally and safely.



### RIVERBANK

A revolving loan fund that provides bridge funding for project implementation for conservation collaboratives. Funding is designed to increase the efficiency and impact of existing investments.



CO-CO.ORG



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### COMMUNITY MITIGATION ASSISTANCE TEAM

The CMAT works closely with Incident Management Teams, the U.S. Forest Service or other land management agencies, and community residents and leaders to identify mitigation opportunities before fire impacts the community.



### MITIGATION MENTORS

The Mitigation Mentors Program (MMP) provides one-on-one mentorship to increase wildfire mitigation, increase organizational capacity, improve community resilience and support wildland fire adaptation.



### AFTER THE FLAMES

A series of webinars and biannual conferences providing tools and tactics for communities and agencies impacted by wildfire.





call for  
**ATF**  
**PRESENTATIONS**



After the Flames Conference & Workshop  
April 15-17, 2024  
YMCA of the Rockies, Estes Park, Colorado  
[co-co.org](http://co-co.org) | [aftertheflames.com](http://aftertheflames.com)



**Register Now**  
early bird ends February 29



**ATF**  
After the Flames  
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*Tools and tactics for communities & agencies impacted by wildfire.*



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# Using Mentimeter

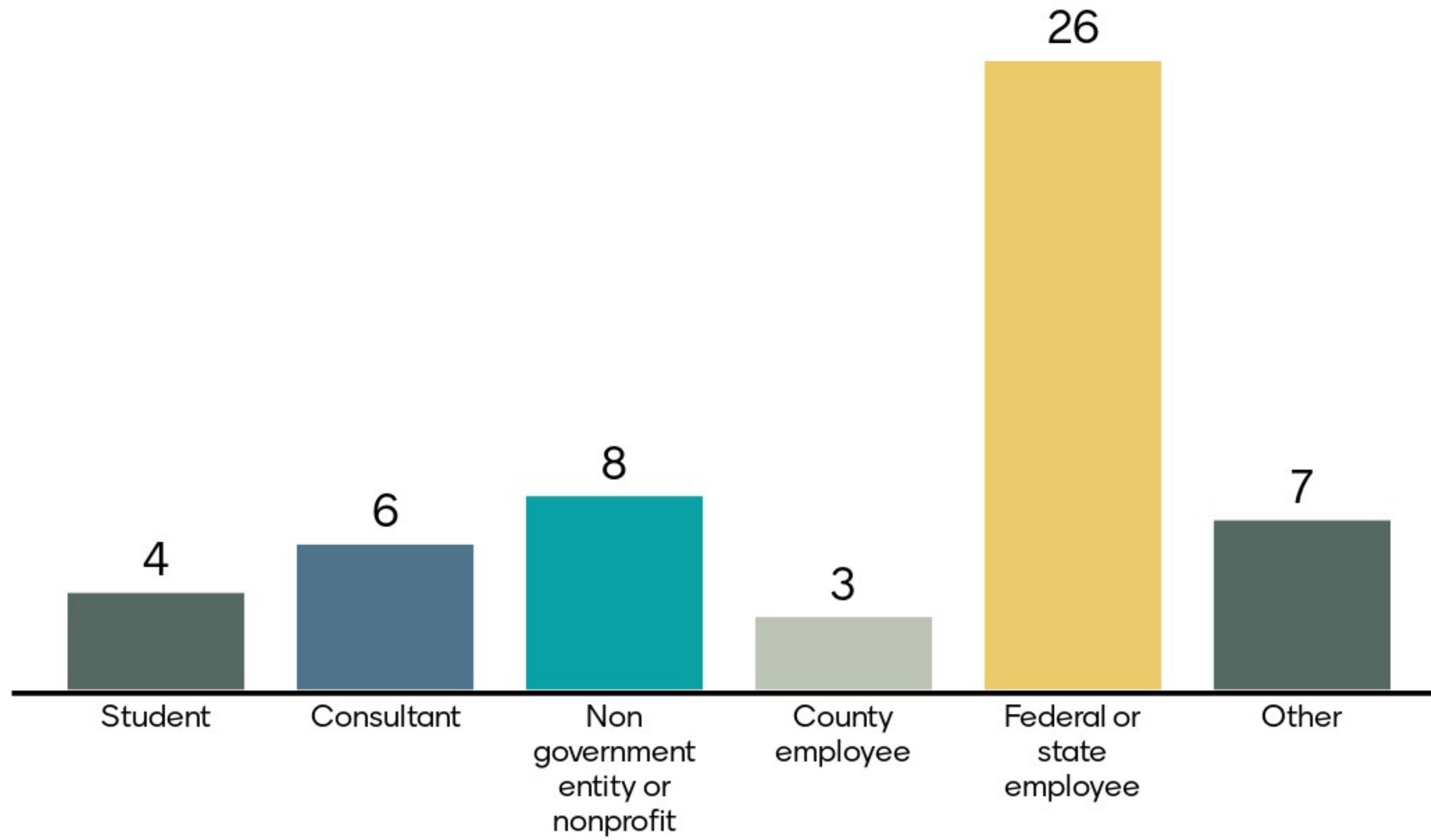
- Scan the QR code or enter [menti.com](https://menti.com) into your computer's web browser
- Enter the code given in the QR box or info bar above
- Follow along and participate in the webinar



## Discussions, Polling, Q&A,

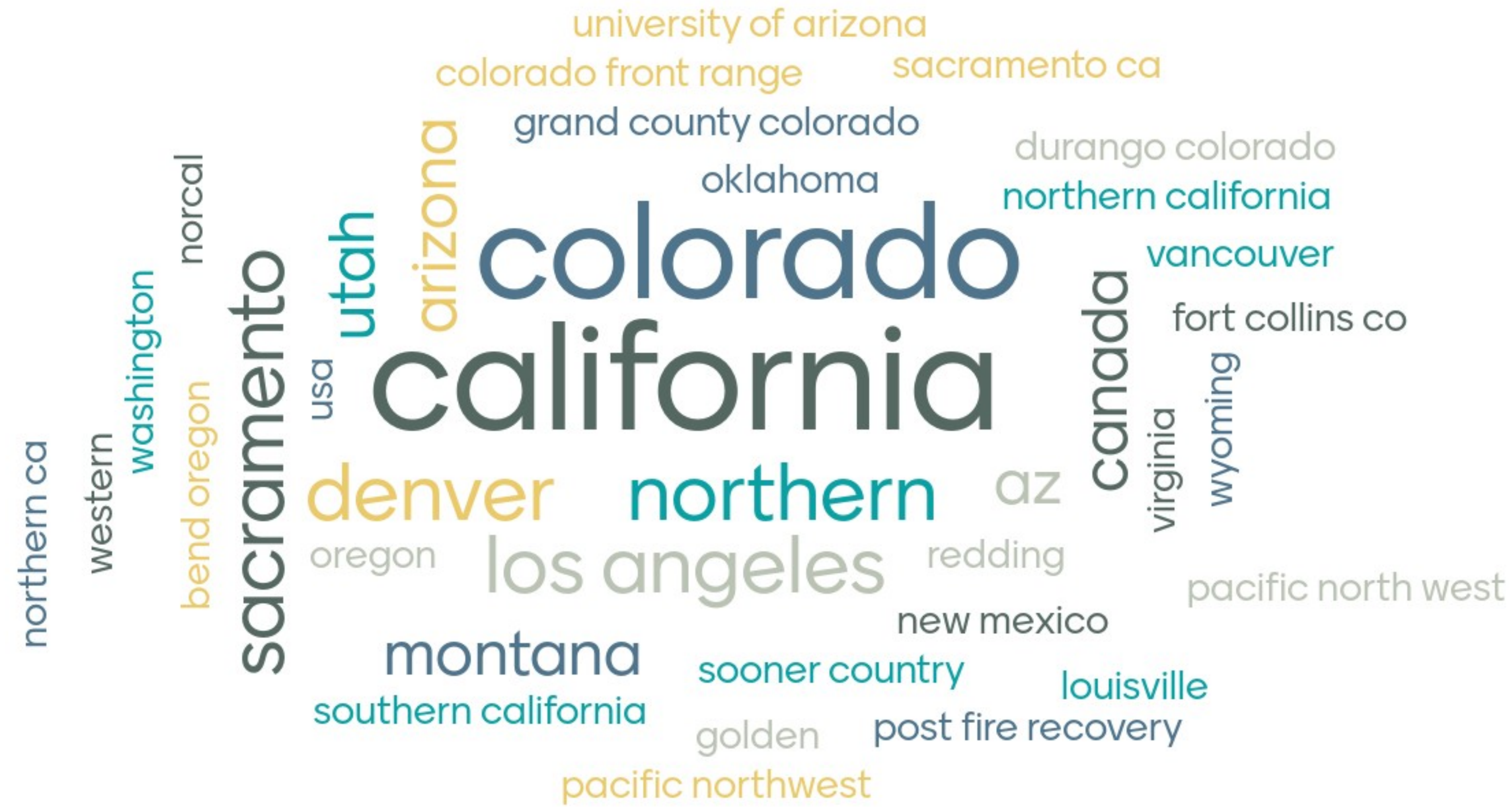
- Polling is anonymous. Please be respectful and professional.
- Please reserve GoToWebinar's 'Question' box for technical issues.
- Please note we will try to address all questions and comments in the webinar recording.

# I'm a



# What geographic location are you joining us from?

76 responses





# What do you hope to get from this webinar?

41 responses

Best practices

Latest research

Best practices

To know CGS's PFDF work

New and changing information

Morphologic understanding of the difference between clear water and debris flows.

Preparation

New Ideas

Amt. of triggering precip for debris

# What do you hope to get from this webinar?

41 responses

Wisdom

Knowledge

systematic approach!

Learn more about post-fire hydrology.

Methodologies

Overall practices

Best Practices

New concepts for modeling post-wildfire hazards

Assessing risks

# What do you hope to get from this webinar?

41 responses

Best practices

Understand post fire response efforts

Post fire recovery

Understand rain triggers post-fire  
better to make a plan for our  
community

Smarter.

Information

recent science

Methods for post-fire rainfall  
thresholds

How post-fire fuels reduction work  
can work with post-fire slope  
stabilization

# What do you hope to get from this webinar?

41 responses

Post fire watershed impacts

new tools

WQ protection post fire

Data sources for informing decision-making

What rain pattern causes water quality impacts after a fire

Storm prediction methods for design storms in different regions

Assessing risks

Post fire triggers for water quality impacts

Learn how to apply this work to my area

# What do you hope to get from this webinar?

41 responses

Fire characterization

How thresholds are determined

Current info and research

Precipitation triggers for post-fire  
flash floods and debris flows.

danger

## Don Lindsay, Supervising Engineering Geologist and Geotechnical Engineer with the California Geological Survey

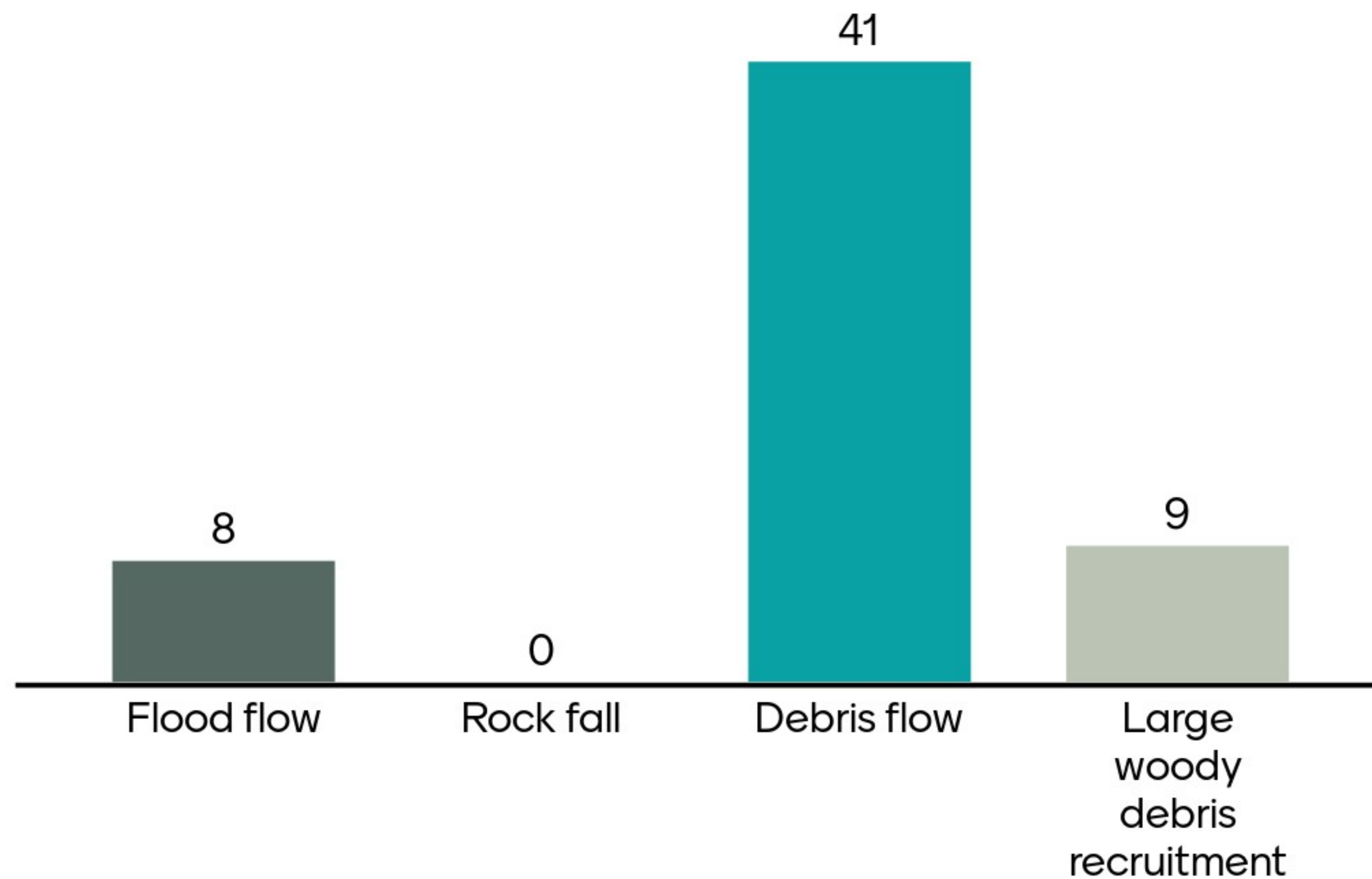
Don manages the Burned Watershed Geohazards (BWG) program in CGS where he and his colleagues assess post-fire hazards, conduct Watershed Emergency Response Team (WERT) assessments, prescribe mitigations and effective emergency response strategies, and monitor burn areas to collect data necessary to contribute to the understanding of post-fire science.



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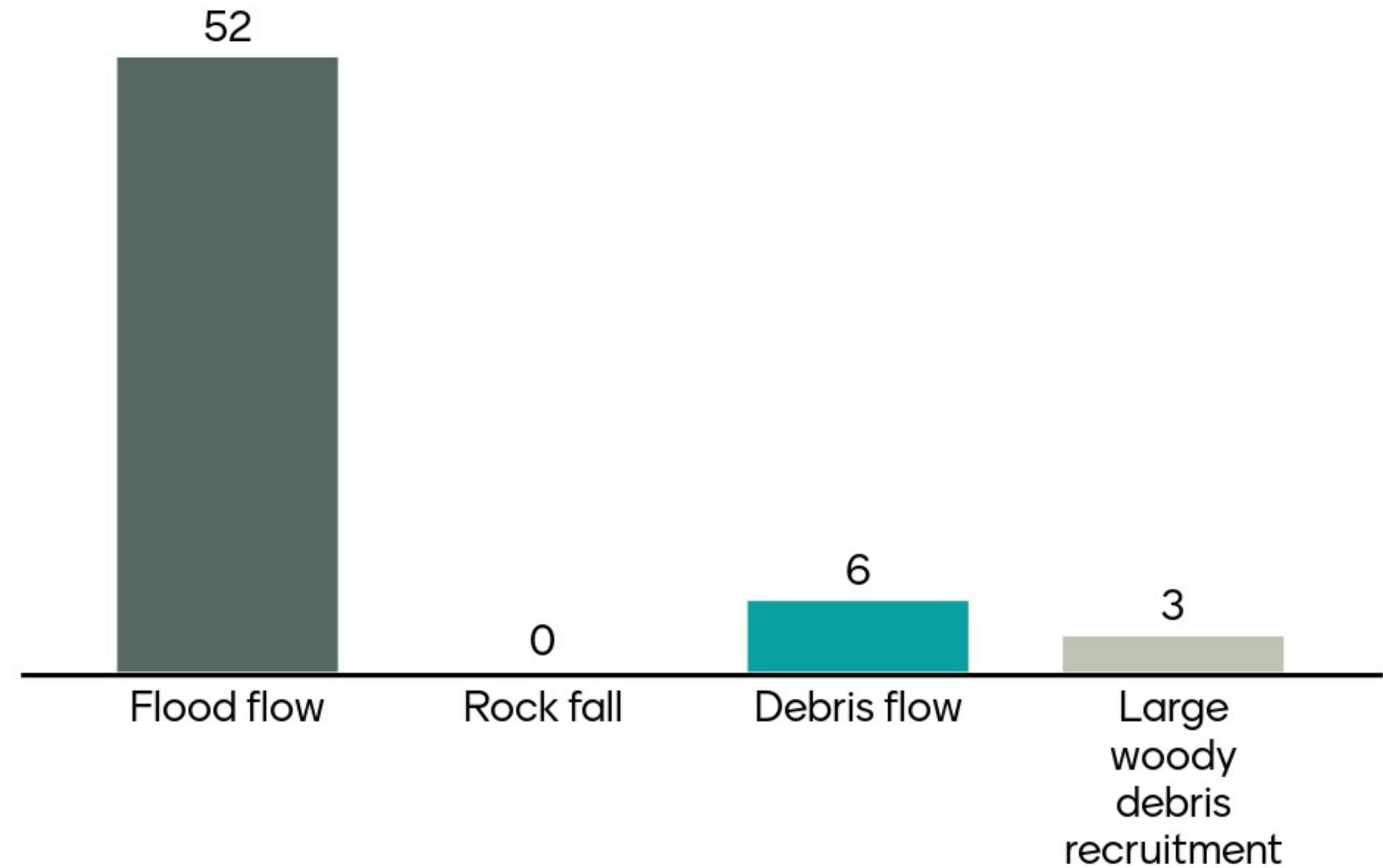


In your opinion, what is the dominant post-fire hazard within this steep drainage upslope of a value-at-risk?





In your opinion, what is the dominant post-fire hazard within this gentle drainage upslope of a value-at-risk (view looking upstream)?



This slide is linked to another presentation and is only viewable from the app

# Questions and Comments

20 responses

Is the fire history map available for the public?

Have you seen any of these approaches applied in pre-fire planning?

What is the plan to use these assigned thresholds for future evacuations?

What solution was deployed to protect Hwy 70 from future debris flows?

When comparing your derived threshold to the NOAA Atlas 14, what return interval would you see as a red flag to your work?

Are there any initiatives to monitor debris flow initiation for multiple years post-fire? And provide guidance on establishing/modifying multi-year post-fire thresholds?

Were drinking water reservoirs considered high value targets?

As you compile historical post-fire debris flow occurrences, are you compiling this into a publicly accessible database?

How many debris flows have now been observed from burn scars in Northern CA, are they still uncommon compared to elsewhere?

# Questions and Comments

20 responses

How many debris flows have now been observed from burn scars in Northern CA, are they still uncommon compared to elsewhere?

Do you assess the PFDF inundation for neighborhood?

All other things being equal, do you see a difference in debris flow probabilities between different parent materials? (Does decomposing granite behave differently than quartzite or say volcanics?)

Are you seeing standardization internationally on methods for prescribing these rainfall thresholds?

We've noticed that rerouted drainages often associated with road crossings seem to frequently be the source of erosive conditions. Any thoughts about identifying these disconnections and reconnecting

Will there be a post-fire watershed hydrology + modelling webinar in the future?

Was there a post- fire debris flow task force to collaboratively address post- fire response and impacts ?

Can you explain the difference between what BAER and WERT produce and the timelines in which they work?

Yes to the road construction best practices!!

# Questions and Comments

20 responses

How does the Wert interface with nracs and caloes on pvt. Lands ?

Thanks Don! Great work.

# Thank You

A recording of this webinar will be available at [AfterTheFlames.com](https://www.AfterTheFlames.com). You will also receive a follow-up email of the recording with links to any resources shared.