

Get researchers out in the field	
	Have researchers come out into the field (our working environment) more
	Bringing researchers to the field
	Having researchers assist with Baer assessment.
	Toward bringing researchers into the field: Do they (are they willing to) maintain BAES qualification?
	Connect with NGO's in the field.
	Continued/more interaction with researchers during event response
Let's talk	
	Include practitioner input from the beginning of the research.
	Researchers involving practitioners at the partner level, not just stakeholder.
	accessibility to researchers during events for timely answers
	Don't speak down to practitioners. Practitioners are often very educated and invested in the research process, but it sometimes seems that researchers assume they know the most meaningful questions or best approaches
	Continued/more interaction with researchers during event response
	More direct interaction and discussion between researchers and practitioners, like we have been doing over the last 2 days
	We need more tools and ways for researchers to leverage practitioners for data collection and collaboration
	a place to drop off a question to a general audience and see who has answers or would be available to help
	Time to build relationships
	More/better communication between groups
	Work with outreach organizations (shameless plug for JFSP Fire Science Exchanges, Fire Adapted Communities Learning Network, etc.)
	Communication, coordination, and collaboration
	More direct interaction and info sharing
	Communications, training, more one to one discussion on model usage.
	Education to increase public knowledge & support
	Include practitioners and locals to identify issues and direct questions
	Do not be afraid to share your knowledge and ideas before they are fully vetted or ready for peer review. They can inspire tools you haven't imagined.
	More coordination between agencies to pool together funds, and to ensure funding is not being used for research already completed. Perhaps annual meetings to review what everyone is doing and identify ways to work together and pool funds.
What is the goal of the research?	
	Focus on how research products can provide operational intelligence
	Keep practitioner needs above publication pressures
	Examine research success criteria to reward researchers for informing operational application

	Research never results in a product, model, or updates
	Keep practitioner needs above publication pressures
	Create a success/failure paper based on after effects of practical implementation.
	Focus on management implications, practitioners assume that research techniques were done correctly, just give us the results and how to apply them
<b>Capacity/Access to Research</b>	
	Access is an issue for practitioners. The previous question lumped time and access together. Conduits from researchers rely sometimes on paid journal subscription that local practitioners don't always have access to
	Easily Digestible reports, charts, or media
	Connecting short (1, 2 page) use-cases to data and models (i.e. traceable applications of data and models)
	Test and refine tools to be included as default for agency workflows.
	The 2 page informal newsletter that doesn't provide all the info but let's practitioners know it's out there
	Co-production of science knowledge, integration of postfire in JFSP Fire Science Exchange Network
	What tools/models are most useful for practitioners? Interactive tools? Static maps?
	Include an application section to the research paper
	Summary/state-of-the-science/review papers are useful!
	Capturing post-fire solutions in the form of some more-or-less standardized PROCESS-FRAMEWORK so that people can dive into specific parts of that framework that apply to their problem
	Find better ways to compile research papers from multiple sources, USGS and USFS and serial publications
	One stop shopping for geospatial data layers
	Data and information sharing; where research input is integrated directly into operational systems. Also, the general co-production method mentioned during the panel discussion.
	Use lay person language. Keep acronyms to a minimum.
	PR outputs through the universities, agencies, state, etc., not just publishing papers in academic journals
	Success stories of how used by other practitioners
	Understand what is needed for our "operations" and boil the research outcomes down to tailor it - we don't have the time to do that
	Create specialists in facilitating tech transfer
	Capacity for local teams in areas with no access to BAER, BAR, etc.
	BAER practitioners (at least the feds) have full-time jobs that do not allow them to spend a lot of time on digesting research
	Understand agency limitations. IT, people hours, policies, etc
<b>New and Unique Ideas?</b>	
	Pie-in-the-sky, - participating in something like the experimental forecast office situations that the NWS has for flash floods and other weather types, but not for post-fire flash flood debris flows.

	Citizen scientists - engagement, education, alternative perspectives
	crowdsourcing for implementation ideas
	crowdsourcing might be an interesting concept
Mapping/Modeling	
	Mapping of areas within basins that are Predisposed to potential debris flows
	Mapping of erosivability of slopes or basins
	Showing geographically where model are most appropriate
	Hydro & erosion model comparison tools -- which are better for given situations or locations
	Susceptibility to erosion if burned (by SBS category)
	Predicting precipitation and integrated maps....data data data pre fire to support post fire...
	Drought/climate change - vegetation change
	Pre-screening of more risky watersheds based on size, slope, soil types, etc.
	Studying pre-fire soil characteristics in terms of things like what ore the runoff characteristics of dry summer soil than how that has changed after the fire.
	Specific sub watersheds for managers to better focus treatment/funding on
Agencies/Government	
	Agency culture
	Policy and legislative barriers
	Speedier timeline within agency to move from research to operations
	Too many process/justification barriers - and need adequate funding to effectively implement
	Have research specialist on BAER teams to give recommendations to other agencies outside of federal boundary.
	I think the way the forest service institutionally separates researchers from forest system staff is a huge barrier that impedes collaboration
	Higher priority of cross-mentoring for practitioners across Forests/ agencies/ states/ etc.
	Need to work on developing a culture and capacity of local and state leadership in post fire work
	Pre-fire outreach to local emergency response planners
Webinars/Training/Conference	
	More webinar/education opportunities
	Many of us can't travel need online solutions. My travel for training, conferences was completely cut for 3 years. Frustrating and infuriating...
	advocate more time for specialists to perform and learn
	More webinars that are recorded
	meetings like this, and interactive webinars directed towards practitioner groups lead by researchers.
	Webinars

	Trainings on how to use models and what the outputs mean
	In-person workshops on tools, models, outputs, etc.
	Get the researcher out into the events! Especially newer researchers!
	Workshops and short fieldbook/worksheets
	Would like to see more conferences and online discussions about research and where others have applied the research and what their results were.
	Fire Science Consortium events
	More JFSP consortium field trips
Online Forum/Information	
	Online open forums for discussions
	Blogs
	Like the blog idea; periodic digest well organized
	Create a one stop shop multi agency website that contains all the data in an arcgis platform
	podcasts that boil / dumb it down
	No real social media presence or community
	One web location to find information from across the country and across different disciplines.
Funding	
	Advocate funding for this
	Additional funding
	Funding to implement
	Barrier- Practitioners working in dual resources due to a reduction in budget (i.e. soils and hydrology).