



CPO FY22 Federal Funding Opportunity: Coping with Drought - Building Tribal Drought Resilience

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Overview

What is the NOAA Climate Program Office?

What is NIDIS?

Important details about the NIDIS FY22 Coping with Drought Building Tribal Drought Resilience Competition

Application requirements

Important dates

Q&A and discussion

What is the Climate Program Office?

The Climate Program Office (CPO) manages competitive research programs in which NOAA funds high-priority climate science, assessments, decision support research, outreach, education, and capacity-building activities designed to advance our understanding of Earth's climate system, and to foster the application of this knowledge in risk management and adaptation efforts.



NOAA Climate Program
Office's Fiscal Year 2022
funding competitions
are now open.

[Learn more about the FY22 competitions](#)

NATIONAL INTEGRATED DROUGHT INFORMATION SYSTEM (NIDIS)

MISSION + ACTIVITIES



**Regional Drought Early
Warning Systems**



**Prediction and
Forecasting**



**Integrated Research
and Monitoring**



**Drought Planning and
Preparedness**



**Collaboration with Existing
Programs and Partners**



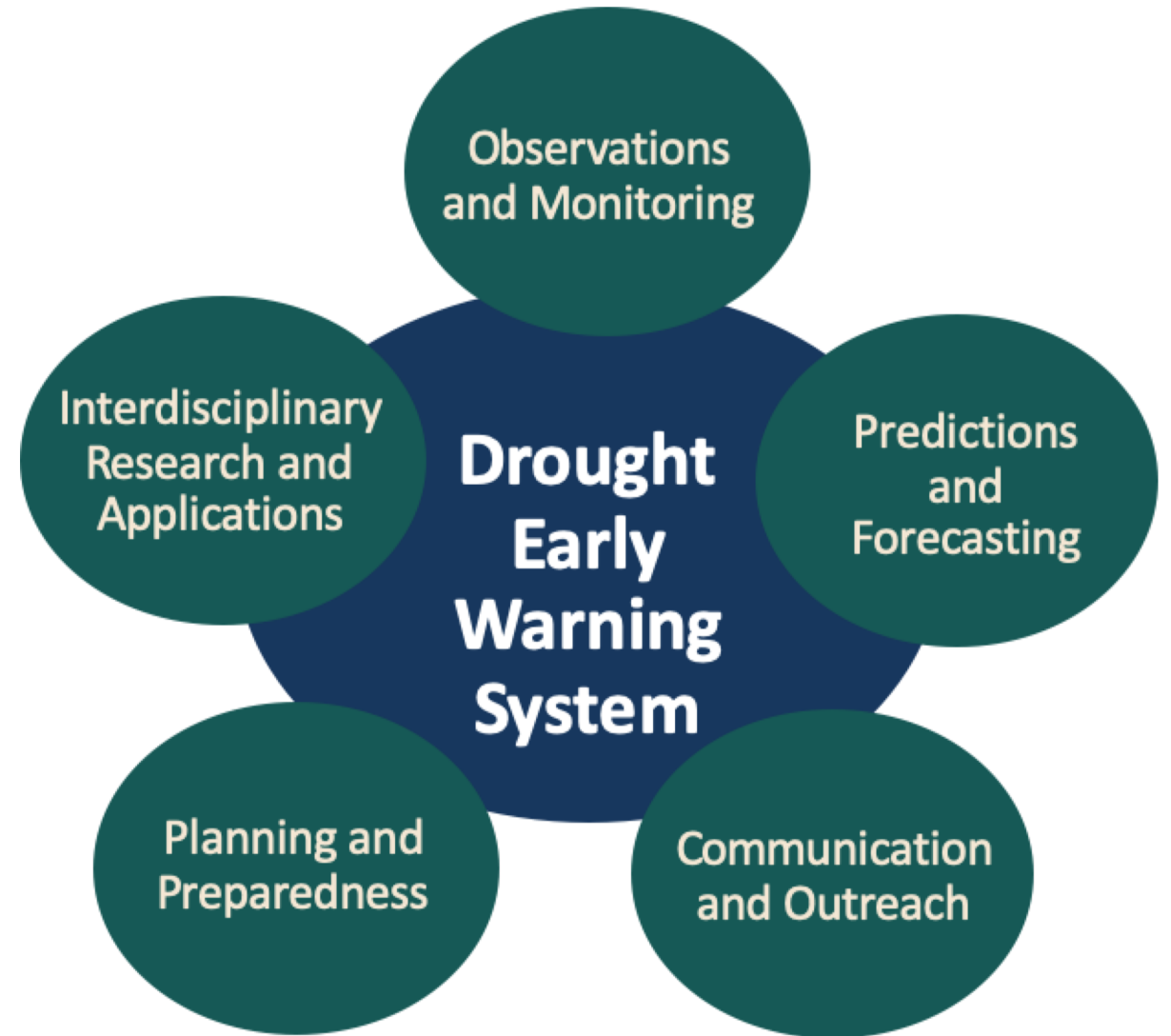
**The U.S. Drought Portal
(www.drought.gov)**

Drought Early Warning

“A system that collects and integrates information on the key indicators of drought in order to make usable, reliable, and timely drought forecasts and assessments of drought.....

...and communicates drought forecasts, conditions, and impacts on an ongoing basis to decision makers, the private sector, and the public.”

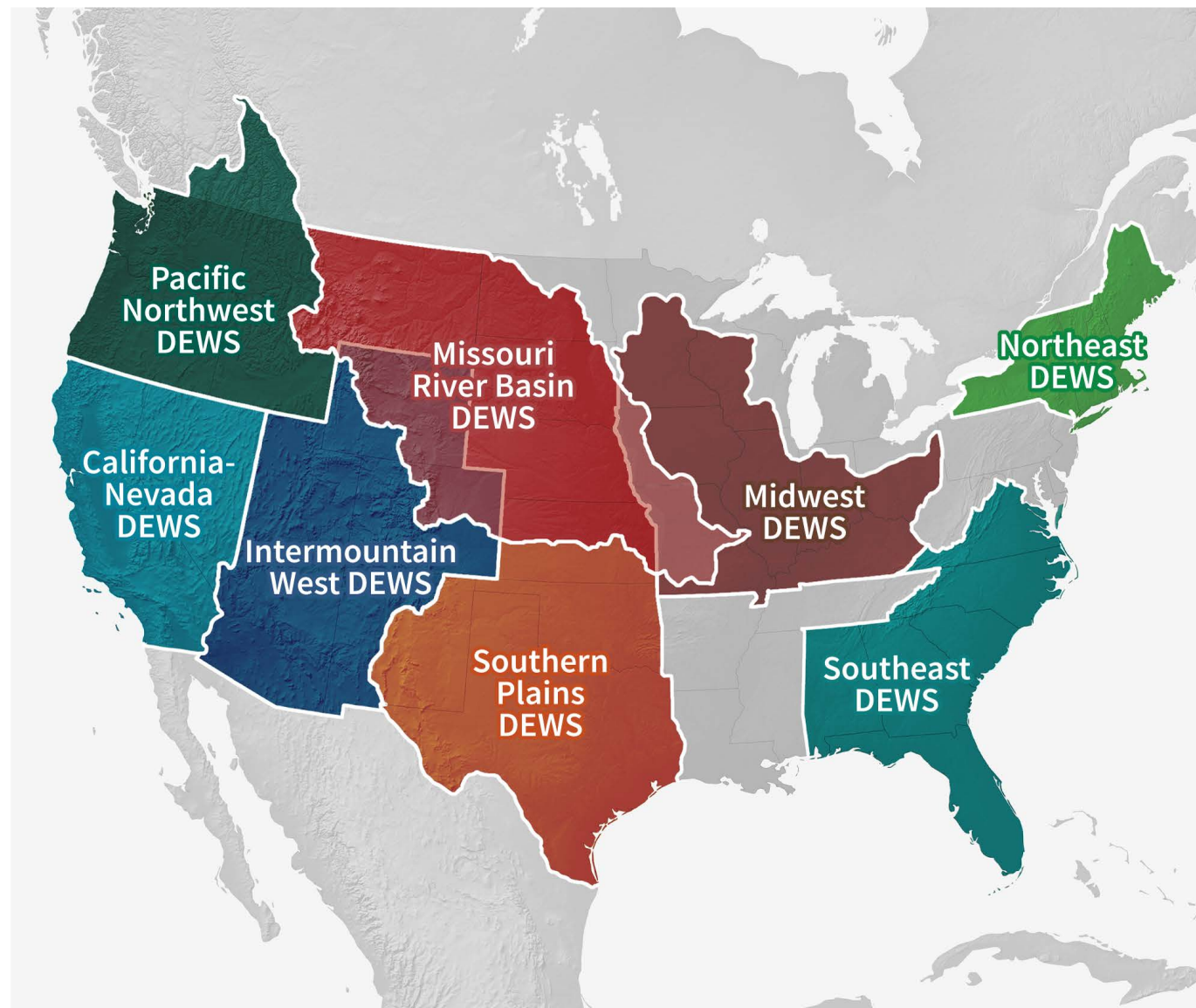
NIDIS Public Law 109-430



REGIONS

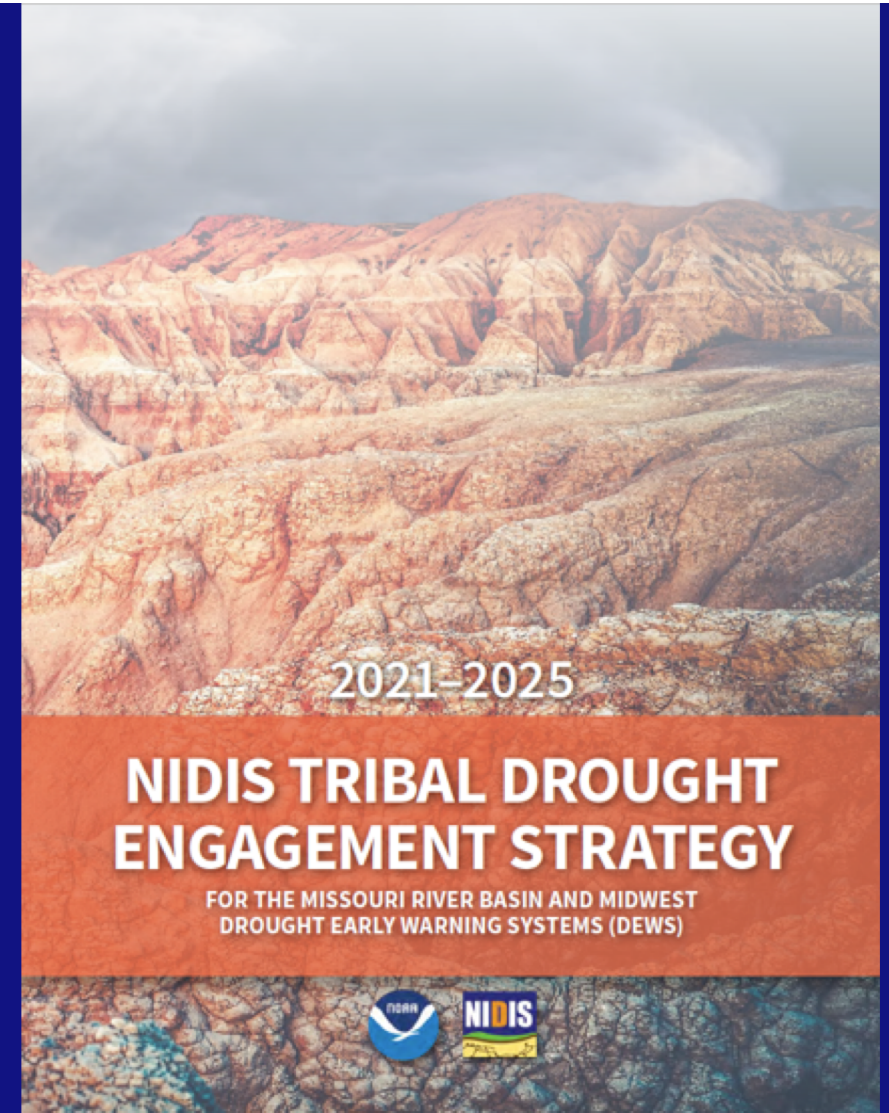
Drought Early Warning

A Drought Early Warning System (DEWS) utilizes new and existing networks of federal, tribal, state, local and academic partners to make climate and drought science accessible and useful for decision makers.



NIDIS Tribal Drought Engagement Strategy

- Key tribal engagement activities to implement in 2021 and beyond.
- Integrating tribal perspectives into NIDIS' work is important to ensure tribal nations are equal partners in responding to drought.
- Presents *Guiding Principles of Engagement*
 - Respecting tribal sovereignty
 - Ensuring trust and reciprocity
 - Ensuring DEWS are culturally appropriate and useful for tribal nations



NIDIS Tribal Strategy: Key Outcomes & Activities



A young Sioux participates in the 49th annual United Tribes Pow Wow in Bismarck, North Dakota. September 2018. Credit: Pierre Jean Durieu

Interdisciplinary Research and Applications

Integrating the results of drought research into tribal decision-making is needed.

Prediction and Forecasting

Staffing constraints and competing priorities often mean that tribal nations face challenges in applying predictions and forecasts for drought in a timely manner.

Observations and Monitoring

One of the major gaps identified during consultations with tribal resource managers is the lack of reservation-specific drought observation data.

Planning and Preparedness

Despite more drought planning, many tribal resource managers have expressed frustration that this has not always translated into action on the ground.

Communications and Outreach

NIDIS intends to build on and strengthen partnerships with tribal nations, particularly to ensure that they are integral partners in the implementation of NIDIS.

Where can I find information on the FY22 FFO?



FY 2021 Funding Opportunities

08 JULY 2021



NOAA Climate Program Office's 2022 funding opportunity is now open

Approximately \$15 million will be available for about 90 new awards, pending budget appropriations, with most awards funded between \$50,000 and \$300,000 per year.

Programs: AC4, CVP, COM, MAPP, SCI, ERB, CEE & NIDDIS

LOIs Deadline: August 9, 2021 | Full applications for Competition 1: October 18, 2021



- › Funding Opportunities Home
- › CPO 2022 Funding Opportunities
- › Applicant Resources at a Glance
- › About CPO Funding Opportunities
- › FAQ
- › Funding Recipients

IMPORTANT DATES CALENDAR

Archive

2020, November	1
2020, September	1
2019, April	1

Previous Federal Funding Opportunities



What is the focus of the FY22 CWD Building Tribal Drought Resilience Competition?

Applications should be developed by or in full partnership with tribal nations to fund the **implementation of actions - together with research on those actions - to build drought resilience contained in existing plans and strategies.**

Plans may include, but are not limited to drought contingency plans; drought, water, or natural resource plans; agricultural resource management plans; or climate adaptation plans.

Examples of Activities to be Implemented

Projects could include, but are not limited to:

- green infrastructure
- application of techniques to improve soil health
- diversification of cropping
- installation of fish ladders/maintaining fish refugia
- expansion of tools/response options for fish and wildlife managers
- cultural/native plant range expansion/nurseries
- ecosystem/landscape restoration
- plans/education to increase drought tolerant plants use for homes, farms and ranches
- additional planning/research in advance of implementation

Examples of Research Questions

There must be some research component to the proposed project that could include, but is not limited to, the following exemplar questions:

- What metrics will you use to know when you are in drought, drought is worsening, or drought is improving; for example, observed changes in plant or animal behavior or landscape changes that indicate drought? How will these feed into monitoring and evaluation of your action?
- How can a monitoring and evaluation process be designed and implemented that incorporates traditional ecological knowledge/traditional knowledge (TEK/TK) and/or cultural values to define and assess the success of the action to build drought resilience? What metrics will you use to understand whether drought impacts have been reduced or minimized based on your action(s)?
- Are planning processes and implementation of actions that adhere to traditional ways of knowledge and adapting more effective? How is the effectiveness of these processes and actions defined and captured?

Examples of Research Questions

- Is there a consideration of observed or future trends (climate change, land use, population, etc.) in the actions to build drought resilience, and if not, how might the actions be adapted to incorporate these trends to increase likelihood of success?
- What processes or criteria are used to determine which actions to undertake and where they should be implemented? For example, what approaches, tools, metrics, and/or analyses are used - or need to be developed - to understand the full range of benefits and costs, inclusive of traditional knowledge, and cultural, ecological, and other values of importance of potential actions?
- How can this project improve and document our understanding of the cultural, economic, human health, ecological, and/or other costs or impacts of drought?

Important!

Please note that proposals may address one or more of these and /or other related research questions, and are not expected to/should not address them all.

Funding Availability and Start Date

- Total funds anticipated for the 2 years: **\$1.5 million**
- Anticipate awarding between **6-7 projects**, with funding up to **\$500,000** to be expended over 2 years through cooperative agreements
- Applicants should use September 1, 2022 as the start date

Guidelines for Applicants

Proposals will:

Demonstrate full partnership of tribal nations by including at least one full investigator on the project representing a federally-recognized tribe.

Demonstrate an integrated project team with or considering partners from the public and private sectors; academia (including Tribal Colleges and Universities); local, regional, tribal, and federal governmental entities; non-governmental organizations (NGOs); environmental groups; intertribal councils and consortia, tribal allottee organizations, citizen groups, etc.

Guidelines for Applicants

Proposals will:

Demonstrate adherence to the Guiding Principles of Tribal Engagement as defined in the [*NIDIS Tribal Drought Engagement Strategy: 2021-2025*](#) (pgs 9-11) with include; 1) respecting tribal sovereignty, 2) ensuring trust and reciprocity, and 3) ensuring drought related work is culturally appropriate and useful for tribal nations.

As part of the description of project activities, provide detailed information on the activities to be conducted, locations, sites, timeline (seasons), species and habitat to be affected, possible construction activities, and any environmental concerns that may exist, as NOAA must analyze the potential environmental impacts, as required by the National Environmental Policy Act (NEPA).

Guidelines for Applicants

Proposal may:

Demonstrate external contributions (e.g., in-kind contributions and/or funding) to be leveraged with these federal research funds, though there are no match or cost-share requirements.

Leverage previous or ongoing work related to climate and drought vulnerability assessments and planning such as those funded under the BIA Tribal Resilience Grants or Department of the Interior Climate Adaptation Science Centers, etc.

Additional Guidelines for Applicants:

Project teams will be encouraged to work with the NIDIS Tribal Coordinator to share outcomes and lessons learned with other tribal nations and tribal organizations, where appropriate, to strengthen national tribal drought preparedness and response.

Eligibility

Eligible applicants are institutions of higher education, other nonprofits, commercial organizations, international organizations, and state, local and Indian tribal governments.

For this competition, please see guidelines for requirements for US Federally-recognized tribal government involvement

Please see Subsection G. “Other Submission Requirements” of the full NOFO, for additional information regarding Federal investigators/co-investigators.

Letter of Intent

Investigators are strongly encouraged to submit an LOI prior to developing and submitting a full proposal using the [FY22 CWD LOI submission form](#).

Investigators unable to submit via the form should email their LOI to britt.parker@noaa.gov.

If you email your LOI you will receive confirmation of receipt, if you do not please follow-up.

Responses encouraging or discouraging a full application based on relevance will be sent to PI within 4 weeks after the due date

It is up to the PI whether to submit a full application

Letter of Intent

- Letters of Intent are due **August 9, 2021 by 5:00pm Eastern**, should be no more than 2 pages in length, and should include the following:
 - Competition Name
 - A tentative project title
 - Name(s) and Institution(s) of the Lead Primary Investigator(s) (PI) and other PI(s)
 - Statement of the problem
 - Brief summary of work to be completed, methodology to be used, data sets needed or to be collected
 - Approximate cost of the project
 - Relevance to the Competition that is being targeted
- If these items are not included or the LOI is submitted late it will not be considered

Full Proposal

- Full applications are due **October 18, 2021 by 5:00pm Eastern**
- Failure to comply with the following provisions will result in applications being returned without review.
- Full applications are limited to 35 pages, single spaced, using 12-point font type with 1-inch margins on standard 8.5”x11” paper! (for proposals with 3 or more PIs the page limit is 40 pages)

Components of a Full Proposal

- Title Page
- Abstract (*1 page*)
- Results from Prior Research (*should not exceed 2 pages*)
- Project Narrative with associated figures and references (*not to exceed 15 pages; 20 pages for 3 or more PIs*)
- Budget Table/Narrative Justification
- Abbreviated Vitae
- Current and Pending Support
- Data/Information Sharing Plan (*up to 2 pages*)
- Statement of Diversity and Inclusion

Full Proposal Appendices (not counted in page limit)

- FFO Item 8: Federal Budget Forms SF424, SF424A (*REQUIRED*)
- FFO Item 9: Indirect Cost Rate Agreement (*REQUIRED*)
- FFO Item 12: DUNS Number (*REQUIRED*)
- Letters of Support

Review and Selection Process

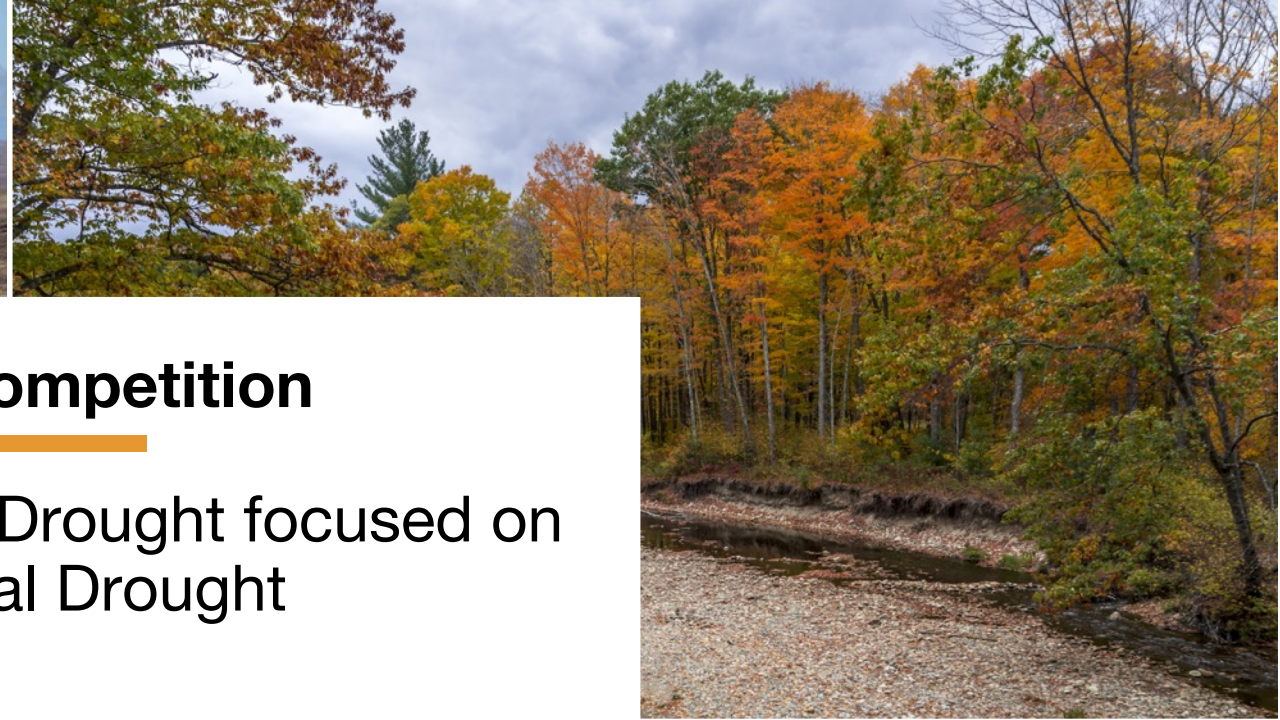
Letters of Intent: Program-led review

Full Applications:

Step 1: Administrative Review - Completeness, eligibility, etc.

Step 2: Independent Panel Technical Review (*final weight 60%*)
Projects scoring at least a 3 of 5 will move forward

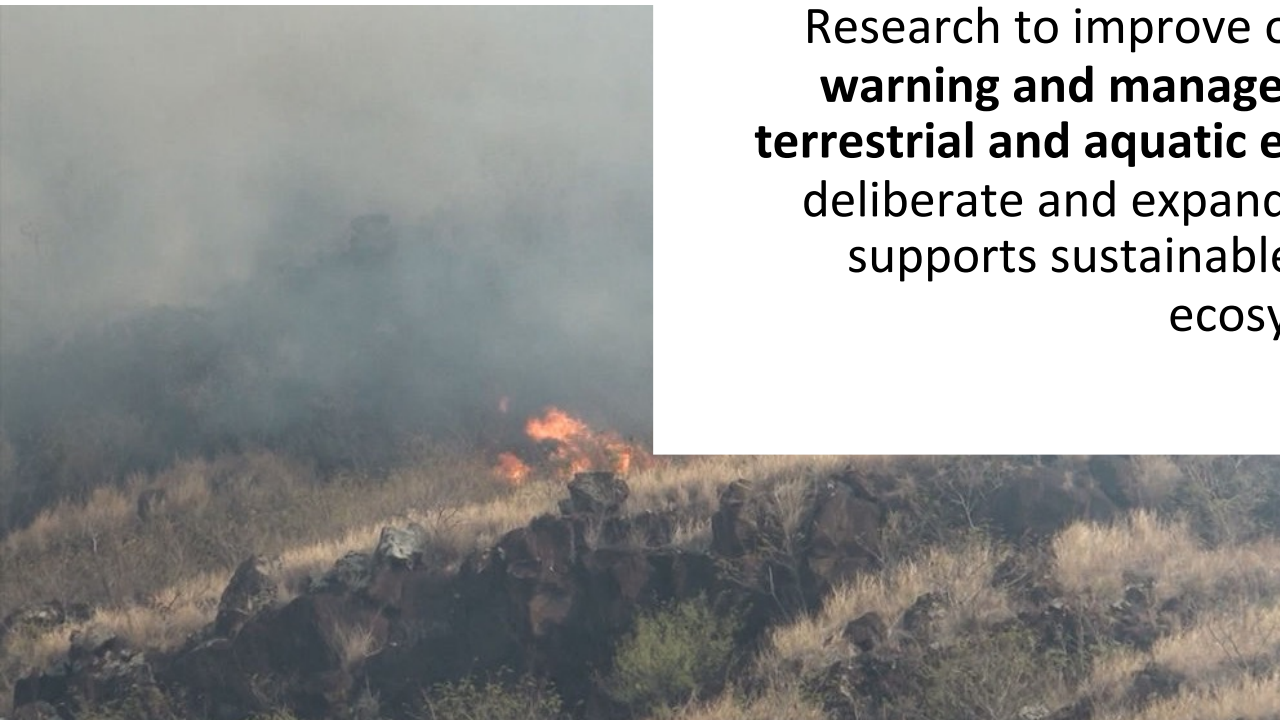
Step 3: Independent Panel Review for Importance/Relevance
& Applicability to Program Goals (*final weight 40%*)



Related Competition

FY22 Coping with Drought focused on Ecological Drought

Research to improve our **understanding, early warning and management of drought risk in terrestrial and aquatic ecosystems** to inform more deliberate and expanded decision-making that supports sustainable, healthy and resilient ecosystems.



Additional Information

1. Download and read thoroughly:
 - **NOAA-OAR-CPO-2022-2006799 (full FFO)**
 - **Full FFO:** <https://www.grants.gov/web/grants/view-opportunity.html?oppld=334633>
 - **CWD information sheet (competition number: 2990037):**
<https://cpo.noaa.gov/Portals/0/Grants/2022/NIDIS-FY22-Program-Information-Sheet-CWD-Tribal.pdf>
2. An FAQ will be posted on the website along with these slides/script and will be periodically updated
3. Contact Britt Parker for additional information (britt.parker@noaa.gov)



National Integrated Drought Information System

Drought.gov

Britt Parker | britt.parker@noaa.gov