



Adaptation Sciences (AdSci) FY2024 Competition Information Session

Submitting a Full Proposal | February 8, 2024

Lisa Vaughan, AdSci Program Manager/FY 24 Competition
Manager

Bhaskar Subramanian, AdSci Program Manager

Andrea Miralles-Barboza, AdSci Program Specialist

Anne Li, CPO Grants Specialist

Amanda Catron, AdSci Program Specialist (*on maternity leave*)



NOAA.Adaptation.Sciences@noaa.gov



Webinar Logistics

- If you can hear me, you are already connected to the broadcast and do not need to call in.
- If you hear feedback and have connected via phone, please hang up and ensure your computer's audio is turned on.
- If you have a question, please write it in the *Questions section*. We will have a Q&A session at the end of this presentation.
- A recording and slides of the information sessions will be provided on the [AdSci FY2024 Funding Opportunity web page](#) website within days of the sessions, and we will update the FAQs as appropriate.



Today's Agenda

- Introduction of Adaptation Sciences Team members
- Overview of the NOAA Adaptation Sciences Program
- General and Competition Specific Feedback from LOI Review
- FY 2024 Funding Competition Overview
- Full Proposal Submission Process and Timeline
- Q&A



US National Oceanic and Atmospheric Administration (NOAA)

- *NOAA's mission of science, service and stewardship are the three pillars supporting the agency's leadership in understanding and predicting changes in climate, weather, oceans and coasts — and getting actionable environmental information in the hands of decision makers.*



NOAA Organizational Structure



**National Environmental
Satellite Data and
Information Service**

National Marine Fisheries

National Ocean Service

National Weather Service

**Oceanic and Atmospheric
Research**

**Office of Marine and
Aviation Operations**

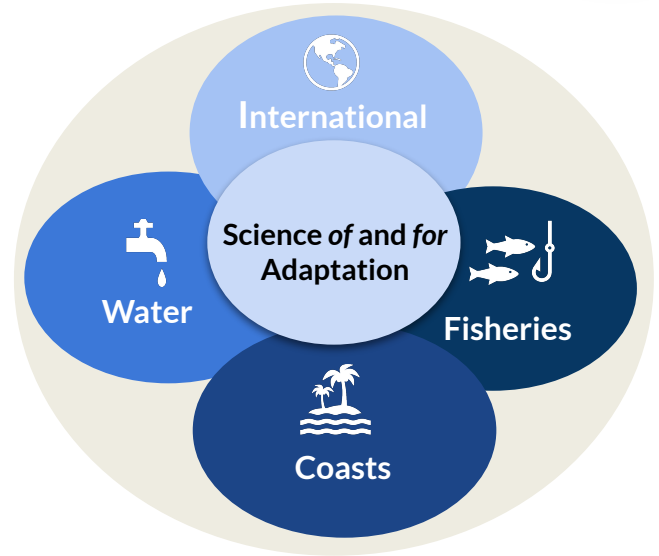
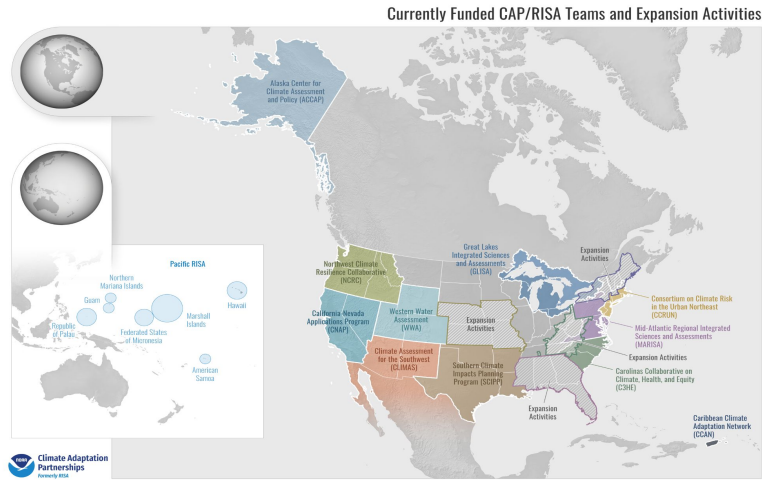
**Climate
Program
Office**

**Climate & Societal
Interactions
Division**

Climate and Societal Interactions (CSI) Division



Research partnerships supporting equitable, adaptive futures.



Climate Adaptation Partnerships (CAP)/Regional Integrated Sciences and Assessments (RISA) Program

Adaptation Sciences (AdSci) Program

Climate and Societal Interactions: Research and Partnerships



Identifying and Assessing Risks and Impacts:
Identify and characterize impacts of climate variability and change

Informing Decisions:
Assess & Improve the accessibility and utility of information to meet user needs

Building Capacity
Engage federal and non-federal partners to align research and practice to inform decision making





Adaptation Sciences (AdSci) Program

Goal

Advance the **knowledge, methods, and frameworks needed to move society beyond incremental adaptation toward more widespread, connected, and transformative adaptive pathways** and resilience strategies with clear economic, social, cultural and environmental co-benefits.

Objectives

- Develop an understanding of **key drivers and conditions that shape and enable adaptation across multiple temporal and spatial scales**; and
- Identifying key aspects of and promoting opportunities for the use of **climate information to best support preparedness and planned adaptation** of high value to social and economic goals.



Source: Participants at Climate and Health Dialog 2020
Majuro (David Krzesni)



Context for the FY-24 AdSci NOFO

- Adaptation is occurring around the world in response to climate risks to infrastructure, livelihoods and ecosystems, food security, human health, water resources and peace/security. Focus of these actions primarily reduces on reducing shorter-term risks, sometimes at the expense of longer term, more transformative adaptation. The effectiveness of these discrete adaptation actions varies greatly.
- Additional research supporting the development of effective evaluation, monitoring, and assessment, in partnership with communities affected by decisions, is needed to provide more comprehensive analysis of adaptation approaches that can be replicated and/or scaled up and inform policy and action. This need for evaluation of adaptation is especially critical with regard to better understanding, and informing equitable adaptation solutions and avoiding maladaptation.
- Addressing this gap through **evidence-based research and learning** is of particular importance to NOAA as the agency and its partners are increasingly investing in research and implementation activities designed to support climate adaptation and resilience in the U.S. and abroad.
- See Info Sheet pages 3 - 4 for additional information



FY-24 Notice of Funding Opportunity (NOFO)

- ***Competition 1:***
 - **Evidence-building, Evaluation, and Learning Approaches to Support Adaptation to a Changing Climate**

- ***Competition 2:***
 - **Developing a Social Science Research Agenda in Support of Adaptation and Resilience**

Program information sheet: https://cpo.noaa.gov/wp-content/uploads/2023/11/11_22-FY-24-ADSCI-INFO-SHEET.pdf

Competition 1: Evidence-building, Evaluation and Learning Approaches to Support Adaptation to a Changing Climate



Seeking proposals for evaluation and evaluation research that advances evaluation methods and approaches in order to support more transformative adaptation and resilience.

Research proposals should seek to undertake one or both of the following:

- **Expand the evidence base for evaluating adaptation actions and investments**, including the identification of metrics and frameworks, with an emphasis on those that measure social and economic outcomes of adaptation (including equity) and advance society's capacity to compare and/or scale up approaches.
- **Develop the frameworks, partnerships, approaches and methods needed to evaluate adaptation**, including those elements that move society toward more transformative pathways.

We expect that much of the work supported by Competition 1 will focus on adaptation in U.S. states and territories; however, proposals will also be considered with a focus on one or more of the broadly defined regions that border the U.S: a) the Caribbean; b) the Pacific Islands; c) Mexico and Central America; d) the Arctic. Regional and/or comparative studies focusing on multiple areas from this list also will be considered.

Proposals should be for projects up to 2 years duration with a budget of up to \$150,000 per year (for a maximum total of \$300,000.00 total). Depending on the availability of funds, it is anticipated that 5-7 projects will be supported.

Competition 1: Evidence-building, Evaluation and Learning Approaches to Support Adaptation to a Changing Climate



Projects supported under this competition could:

- **Contribute new and applicable insights on the characteristics, co-effects, and enabling conditions, including governance, associated with climate adaptation strategies and investments** through the systematic analysis and evaluation of case studies, with the goal of building an evidence base and advancing learning.
- **Generate new or improved evaluation methods, approaches and insights related to the role of knowledge systems and processes** - including networks of boundary organizations and climate information services knowledge networks - in moving society toward transformative adaptation.
- **Identify and develop key metrics and/or indicators that capture the relationship between processes that occur within these systems**, including co-production and the integration of local knowledge, and complex equity considerations.
- Identify and/or develop **evaluation measures and indicators that reflect the social dimensions of adaptation** (e.g., governance, culture, equity, participation).
- Identify and enhance knowledge about the **methods of evaluation and for sharing information and learning that are most appropriate for different types of actors in the decision making context** (e.g., indigenous communities, local planners, public service providers, private sector, local, state, Tribal and national governments)

Competition 2: Developing a Social Science Research Agenda to Support Adaptation and Resilience



Seeking proposals that will generate a social science research agenda, which reflects existing knowledge, and identifies gaps that can be addressed to support adaptation and resilience efforts.

This can be achieved through inclusive review, analysis, and assessment of scientific literature, climate adaptation plans and actions, local knowledge and other similar information, in addition to engagement processes to inform social science research needs.

This work should develop and articulate a coherent set of nested research questions and approaches that will provide a framework for the generation of knowledge, methods and insights essential to the development, implementation and evaluation of effective adaptation strategies, policies and investments. It should be useful to the interdisciplinary scientific community and the broader landscape of entities, including funding agencies and implementation partners, working in this space.

Proposals should be for projects up to 2 years duration, with a total budget in the range of \$150,000- \$300,000 (proposals should distribute the budget over the two year period to reflect the methodology used for the project). Depending on the availability of funds, it is anticipated that 1-2 projects will be supported.

Competition 2: Developing a Social Science Research Agenda to Support Adaptation and Resilience



Specific attention should be placed on social science research needs to support and assess transformational adaptive pathways. The work should:

- **build on the current state of science and knowledge**, including indigenous, traditional and other non-western ways of knowing;
- **reflect a diverse suite of disciplinary expertise and perspectives** in order to ensure that the social science agenda has **applications for addressing real world challenges and opportunities** associated with large scale adaptive capacity related to food and water security, human settlements, human and ecosystem wellbeing, conservation, infrastructure, migration, etc;
- **incorporate the experience, perspectives and needs of stakeholders** including frontline communities, tribes, indigenous populations and the private sector;
- address **knowledge gaps and opportunities for social science research as a complement to physical and natural climate science**, and climate services endeavors;
- **address knowledge gaps that, if addressed, will support progress toward socioeconomic and environmental outcomes and co-benefits**, including those with cultural, local and heritage significance; and
- include an **international perspective** on questions that have global relevance and implications.



Key AdSci Approaches

- **Leverage and connect to the research, priority setting and engagement capacity of key partners** (e.g. international, regional, Federal, state, local, tribal, NGO, private sector and community-based organizations) to identify and share methods, capacities and conditions needed to effectively utilize and incorporate interdisciplinary climate information science and services for adaptation and resilience.
- **Engage with organizations, including the private sector, working in economic and community development**, and seek to connect with efforts to support the financing and/or evaluation of adaptation actions or strategies in order to foster more evidence-based policies.
- **Support research and evaluation activities as opposed to discrete adaptation project implementation** activities outside of a learning framework (e.g., the implementation of a nature based solution in a specific community).
- All projects should incorporate the **principles of justice, equity, diversity, and inclusion**. Applicants should demonstrate a plan to carry out their work in ways that acknowledge existing legacies of social and environmental inequities and support actions that address them, including but not limited to the inclusion of frontline community members.



FY 24 LOI Reviews- General Feedback

- Pls articulate your work in one sentence and consider putting that one sentence summary in the abstract.
- Make sure that the objectives and proposed work can be accomplished within 24 months and clearly and specifically outline the proposed methodology.
- Applicants should clearly articulate the long-term implications of their proposed work, including the transferability of the project's outputs and outcomes.
- If your proposal addresses specific knowledge and information gaps identified in the recently released Fifth National Climate Assessment (NCA5), please note and reference this in your proposal.
- Carefully review and consider Statement of Diversity and Inclusion; show how this will be reflected in your methodology!
- Engagement plans should be well articulated as part of the methodology



FY 24 Admin Reminders

- All budget numbers should be rounded to the nearest dollar. **Please do not use cents anywhere in your budget documents.**
- The period of performance should be **September 1, 2024 to August 31, 2026 (or August 31, 2025 for a one year proposal).**
- Applications with subawards should include an SF-424a and budget narrative/justification (with budget table included) for each sub-recipient.



Partnerships & Collaboration

- Include all the PIs (Lead- and co-PIs), unfunded partners, participants, etc. for the project
 - Describe their roles and responsibilities clearly
 - We strongly encourage applicants to provide letters of support or commitment acknowledging the involvement/role of non-PI partners.
- Include the necessary disciplinary expertise within your group of Co-PIs.
 - If enhancing your capabilities through unfunded partnerships, please indicate through a letter of support that the individual/institution is fully committed and resourced to collaborate on the proposed work



Competition 1 Specific Feedback

- While measuring/evaluating climate impacts, risks and vulnerabilities is important for advancing adaptation and resilience knowledge and approaches, Competition #1 focuses on **evaluation and evaluation research on adaptation and resilience, as opposed to the evaluation of climate impacts, risks and vulnerabilities.**
- Proposals that include small elements of implementation and/or capacity building activities should clearly demonstrate how the entirety of the proposed project will **pursue and satisfy the stated research objectives of the competition.**



Competition 2 Specific Feedback

- While we expect projects to draw from various sources, including scientific literature and climate adaptation plans and actions, **strong proposals will consider and include local and similar forms of knowledge in addition to engagement processes** to inform social science research needs.
- The engagement process should be well-designed and articulated in the methodology section of your proposal.
- The social science research agenda should should have **broad relevance and be useful to the interdisciplinary scientific community and the broader landscape of entities**, including funding agencies and implementation partners, working in this space.

General Competition Information



- Where can I find information?
 - [Central Funding Opportunity page](#)
 - [Notice of Funding Opportunity](#)
 - [Grants.Gov Listing](#)
 - [Information Sheet](#)
 - [Adaptation Sciences Program Website](#)
 - [Frequently Asked Questions \(FAQs\)](#)
 - [Applicant Checklist](#)

- What is the difference between the Notice of Federal Funding Opportunity (NOFO) and the Information Sheet?
 - NOFO- official guidelines and requirements
 - Info Sheet- additional context and program information

Adaptation Sciences (AdSci) Program FY2024

+ Important Information and Updates

Federal Agency Name: Office of Oceanic and Atmospheric Research (OAR), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce	Announcement Type: Initial
Notice of Funding Opportunity Title: Climate Program Office (CPO), Adaptation Sciences Program FY2024	Notice Of Funding Opportunity Number: NOAA-OAR-CPO-2024-2008252
	Catalog of Federal Domestic Assistance (CFDA) Number: 11.431, Climate and Atmospheric Research

NOFO At A Glance

- + General Information
- + Links to Full NOFO and Grants.gov Listing
- + Important Dates/Deadlines
- + For Federal Investigators
- + Where to Submit
- + Questions/Who to Contact



Timeline

November 2023

AdSci FY24 NOFO Published

Published Nov 21st, 2023. See [AdSci Fy24 NOFO webpage](#) for more details.

December 2023

Letter of Intent (LOI)

-LOI Information Session: December 6, 2023.

-Deadline for submission of LOI's via [Google Form](#) is **December 26th, 2023, 11:59 pm Eastern Time.**

February - March
2024

Full Proposals/Application

-Full Application Information Session: February 8, 2024.

-Deadline for full application is **March 20th, 2024, 11:59 pm Eastern Time.**

March - August
2024

Proposal Review and Funding Recommendations

Fall 2024

Project Start Date (Use Sept. 1, 2024 in proposals)





Full Application General Information

**Applicants may submit a full application even if they did not submit an LOI*

**Applicants who have not been encouraged to submit a full proposal (after submitting an LOI) may still submit a full application.*

- **Full proposals are limited to 35 pages (40 pages if 3+ Principal Investigators)**
- Single spaced, 12 pt. font, 1 inch margins, standard 8.5"x11" page size
- **The page limit DOES INCLUDE:**
 - Title page (1 page)
 - Abstract (1 page)
 - Results from prior research (up to 2 pages)
 - Project Narrative (must not exceed 20 pages - 25 if 3+ PIs)
 - Statement Of Integration of Justice, Equity, Diversity and Inclusion (up to 2 pages)
 - Data/Information Sharing Plan (upto 2 pages)
 - Current and Pending Federal Support (for each PI and CO-PI)
 - Budget Table & Budget Narrative (submitted as a separate file labeled "Budget and Budget Narrative"; subawards should also provide this level of detail in additional budget tables and narratives)
 - Abbreviated vitae's for all PIs and Co-PIs
- **The page limit DOES NOT include:**
 - Indirect Cost Rate Agreement (IDCRA)
 - Federal Forms (SF424, SF424A, SF424B, CD511)

Full Notice of Funding Opportunity: <https://cpo.noaa.gov/adaptation-sciences-program-fy2024>

Applicant Checklist: https://cpo.noaa.gov/wp-content/uploads/2023/11/AdSci_FY24-Competition-Checklist.pdf



Full Application Submission

Full proposals must be submitted via [grants.gov](https://www.grants.gov) (if you do not have internet, they must be received by mail - NOT email- by the due date).

- Make sure you are registered or your accounts are up-to-date in advance of the submission deadline - [Grants.gov](https://www.grants.gov) and [eRA](https://www.eRA.nih.gov) for Award Management, etc. (details provided in this slide package)
- Past problems submitting to Grants Online and we have a new system → submit early!
- Applicants should use **September 1, 2024** as the start date for the projects

Full Application Submission Deadline:
March 20, 2024 11:59 pm Eastern Time



Review Panels & Recommendations for Funding

- Proposals will be reviewed as described in the NOFO:
 - Component 1: Technical review panel evaluates: (75% of total score)
 - Scientific/technical merit
 - Qualifications of team
 - Appropriateness of budget
 - Outreach and education component
 - Diversity and inclusion component
 - Component 2: Relevance review panel evaluates relevance to AdSci program and NOAA (25% of total score)
- The funding priority (ranking) for applications is set by the total score from the overall review
- Final decisions are conditional on funding availability



Upon award of funding, project teams will be expected to...

1. Undertake an **ongoing dialogue** with the NOAA Climate Program Office, Adaptation Sciences Program team, and relevant NOAA partners.
2. **Submit progress reports twice a year (6-month reporting periods) and final reports** and **respond to periodic data and information requests**.
3. **Participate in a Principal Investigators (PIs) community of practice** for the duration of their projects -- share methods, results, lessons learned, summary of findings, etc.



Reminders

- Make sure you are registered or your accounts are up-to-date **in advance** of the submission deadline - Grants.gov, System for Award Management, [eRA](#) etc
- Full proposals must be submitted via grants.gov or received by mail by the due date
- For-profit institutions are eligible to apply but please note that the results of work are public and cannot benefit one entity, or be used for profit
- Please note that funding cannot support federal employee salaries and any funding awarded to support Federal activities would require the development of an interagency agreement (IAA), which must be reviewed and approved by the Office of General Counsel at NOAA and the applying agency - it is highly unlikely that funds would be available until later in 2024/early 2025 given this extra step.
- Matching funds and cost-sharing are not required. However, leveraging and in-kind sharing of resources should be reported within the proposal.

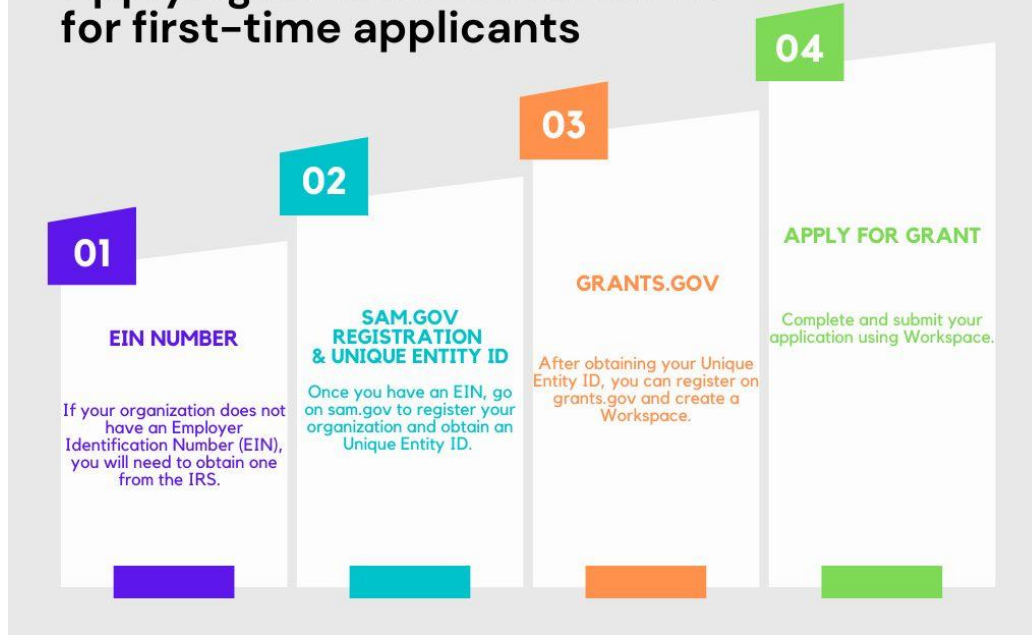
AdSci FY24 Competition FAQs: <https://cpo.noaa.gov/funding-opportunities/adsci-fy2024-nofo-faq>



Application Process Overview

Step by Step

Applying for federal assistance for first-time applicants





Employer Identification Number (EIN)

What is an EIN?

- An Employer Identification Number (EIN) is a nine-digit number that the IRS uses to identify taxpayers that are required to file various business tax returns.

How do I apply for an EIN?

- U.S. and U.S. territories-based organizations can apply [online](#), [via fax](#), or [via mail](#).
- International applicants must apply over the phone by calling 267-941-1099 (not a toll-free number). Hours of operation are 6 a.m. to 11 p.m. (Eastern Time), Monday through Friday.

How long will it take after I register to receive the EIN?

- Applicants who apply online should receive their EIN immediately upon completion
- Applicants who apply via fax should receive their EIN in about a week (or two weeks if you don't include a return fax number)
- Applicants who apply via mail may need to wait four to five weeks before receiving their EIN

Form Instructions: <https://www.irs.gov/pub/irs-pdf/iss4.pdf>

Apply Online: <https://sa.www4.irs.gov/modiein/individual/index.jsp>

SAM.gov Registration & Unique Entity ID/Unique Entity Identifier (UEI)



What is the Unique Entity ID (UEI)?

- The Unique Entity ID is a 12-character alphanumeric ID assigned to an entity by SAM.gov. It used to be known as the DUNS Number.
- The organization's UEI will be used across federal systems including:
 - Grants.gov - where applicants submit their applications
 - eRA - where recipients approved for funding manage their awards
 - Automated Standard Application for Payments (ASAP) - where U.S.-based entities go to draw down funds for their award

Does the Unique Entity ID expire?

- The Unique Entity ID does not expire. However, registrations must be updated and renewed each year to remain in the "active registration" status.
- If you do not update or renew your registration, it will be in an "inactive" status, but your entity will still have its same Unique Entity ID.



SAM.gov Registration & Unique Entity ID/Unique Entity Identifier (UEI)

Which institutions require a SAM.gov registration?

- If you want to apply for federal awards as a prime awardee (the institution submitting the application and receiving the funds directly), you will need a SAM.gov registration.
- If you do not want to apply directly for awards, and only conduct certain types of transactions, such as reporting as a sub-awardee, then a SAM.gov registration is not necessary.

How long does the SAM.gov registration process take?

- The process can take up to 10 days.

Who needs a UEI?

- *All institutions*, including both prime awardees and sub-awardees, will require a UEI.

Registration Instructions: <https://sam.gov/content/entity-registration>

SAM.gov Help Resources: <https://sam.gov/content/help>



Grants.gov

Where do we go to register for grants.gov?

- Applicants can register at this link: <https://www.grants.gov/register>
- The link above includes a video that goes over the registration process

Where can applicants find instructions on grants.gov-related tasks (such as adding profiles, creating workspaces, managing applications, etc.)?

- Instructions on how to conduct a variety of tasks in grants.gov can be found in the Grants.gov User Guide:
<https://apply07.grants.gov/help/html/help/index.htm?callingApp=custom#t=GetStarted%2FGetStarted.htm>

Where can applicants go if they have more questions or if they experience technical issues?

- Applicants can find resources such as an FAQ and training videos, as well as create a help desk ticket at: <https://www.grants.gov/support.html>



eRA Registration

Who in the organization can register for eRA?

The organization must be registered by someone with signature authority to legally bind the organization in grants administration matters; this individual is referred to as a Signing Official (SO). Only authorized organization officials are qualified to be an SO for their organization.

How long does the process take?

Registering with eRA Commons can take up to four weeks to process. It is encouraged that applicants register with eRA Commons as soon as possible to avoid any delays.



eRA Registration Process: Helpful Resources

Link to register:

<https://public.era.nih.gov/commonsplus/public/registration/initRegistration.era>

Instructions on how to register can be found here:

<https://www.commerce.gov/ocio/programs/gems/applicant-and-grantee-training>

Through this link, you can find slideshows, video recordings, information sheets and q&a for the following topics:

- INTRODUCTION TO eRA FOR DOC APPLICANTS/RECIPIENTS & eRA COMMONS REGISTRATION FOR APPLICANTS/RECIPIENTS
- ACCOUNT MANAGEMENT FOR ADMINISTRATIVE USERS
- ACCOUNT MANAGEMENT FOR APPLICANTS/RECIPIENTS
- APPLICATION SUBMISSION AND TRACKING
- AWARD ACCEPTANCE & POST-AWARD (Pt. 1)
- POST-AWARD & GRANT CLOSEOUT



Timeline

- Full application submission deadline:

March 20, 2024

11:59 pm Eastern Time

- Review panels held: Spring 2024
- Recommendations for funding made: late spring/early Summer 2024
- Projects start: Fall 2024 (All projects should list **September 1, 2024** as the start date)



Thank you!

- Q&A (we will read the questions in the order they were received)
- How to access FAQs → [AdSci FY2024 Funding Opportunity FAQ web page](#)
- Full proposal due:

Wednesday March 20th, 11:59 pm Eastern Time

- Contact Information for AdSci FY24 Competition:
 - Lisa Vaughan: Lisa.Vaughan@noaa.gov (Competition Manager)
 - Anne.Li: Anne.Li@noaa.gov (Grants Specialist)
 - AdSci Team/General Info: NOAA.Adaptation.Sciences@noaa.gov

