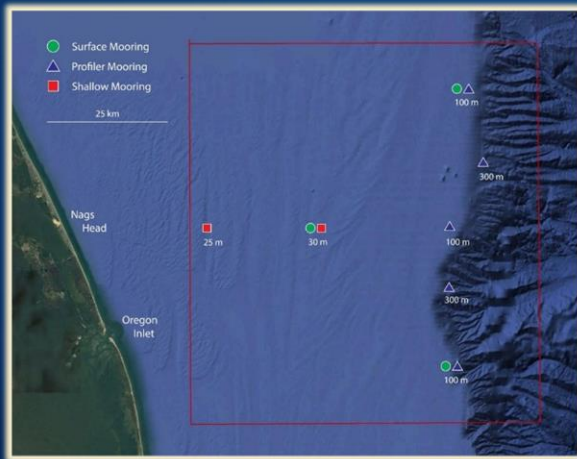


NSF Overview / Funding

Coastal Pioneer Southern Mid-Atlantic Bight (MAB) Array Community Workshop



Dr. George Voulgaris

Program Director

Division for Ocean Sciences (OCE)

Geosciences Directorate (GEO)

U.S. National Science Foundation

gvoulgar@nsf.gov



The U.S. National Science Foundation (Mission)

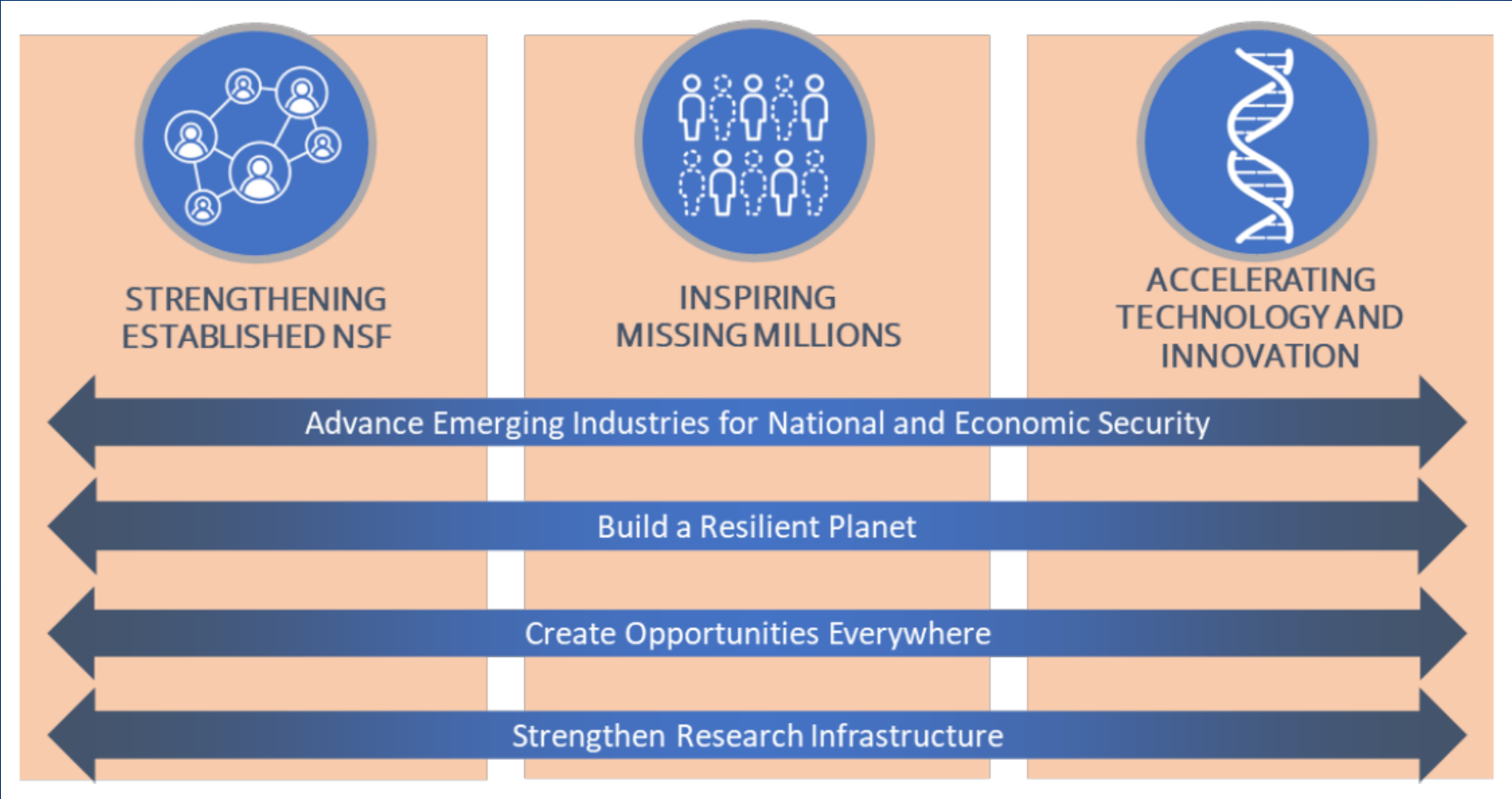
- The U.S. National Science Foundation (NSF) is an independent federal agency created by Congress in 1950*.
- NSF is the only federal agency that supports research across all fields of science and engineering and STEM education at all levels.
- NSF invests in curiosity-driven, discovery-based explorations and use-inspired, solutions-focused innovations that spur new technologies, are critical to our economic and national security, and cultivate the diverse STEM workforce of tomorrow.



**National Science Foundation Act of 1950 (Public Law 81-507)*



NSF's FY 2025 Request: 3 Pillars, 4 Themes



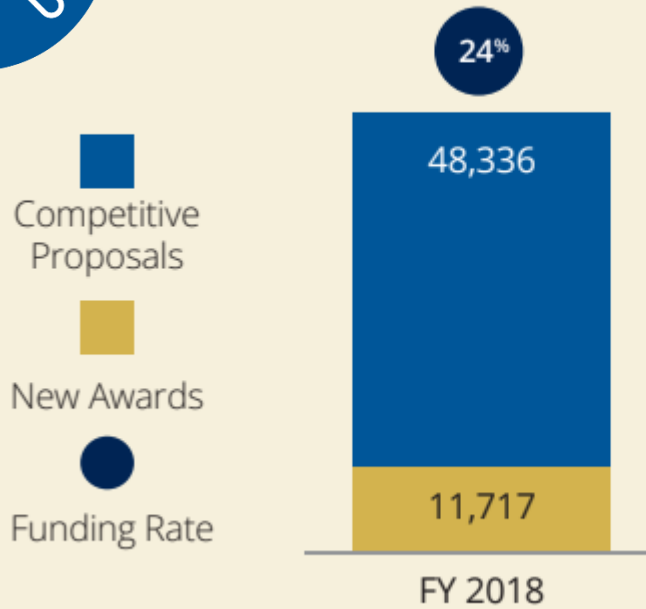
From: NSF FY 2025 Budget Request to Congress



NSF Funding Trends

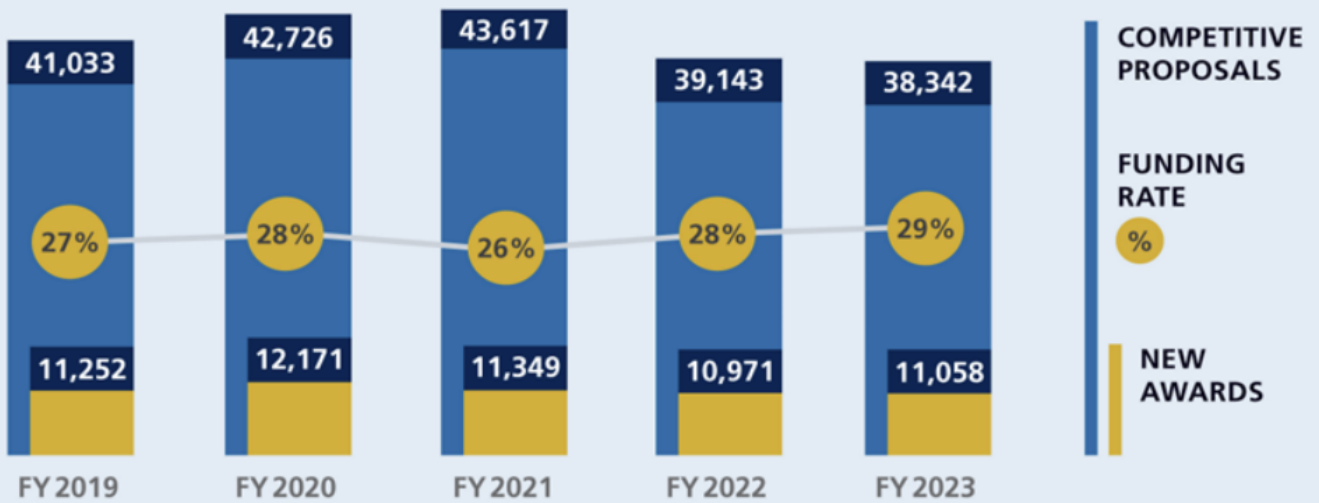


NUMBER OF NSF C



Note: The number of new awards is a subset of the total number of competitive proposals.

Number of NSF Competitive Proposals, New Awards and Funding Rates



Note: New awards are a subset of competitive proposals.



NSF Focus (established NSF)

- ❖ **Curiosity driven basic research**, with some exceptions (e.g., TIP Directorate)
- ❖ **Developing new understanding** (as opposed to knowledge, information, data or products).

Two types of funding opportunities:

<https://new.nsf.gov/funding/opportunities>

- ✓ Core programs (sustained over the long term, standard grant, RAISE, EAGER, RAPIDS)
- ✓ Special solicitations (transient, ~5-year life cycle, e.g., PREVENTS, CoPe, CHIRRP, see GEO/RISE)

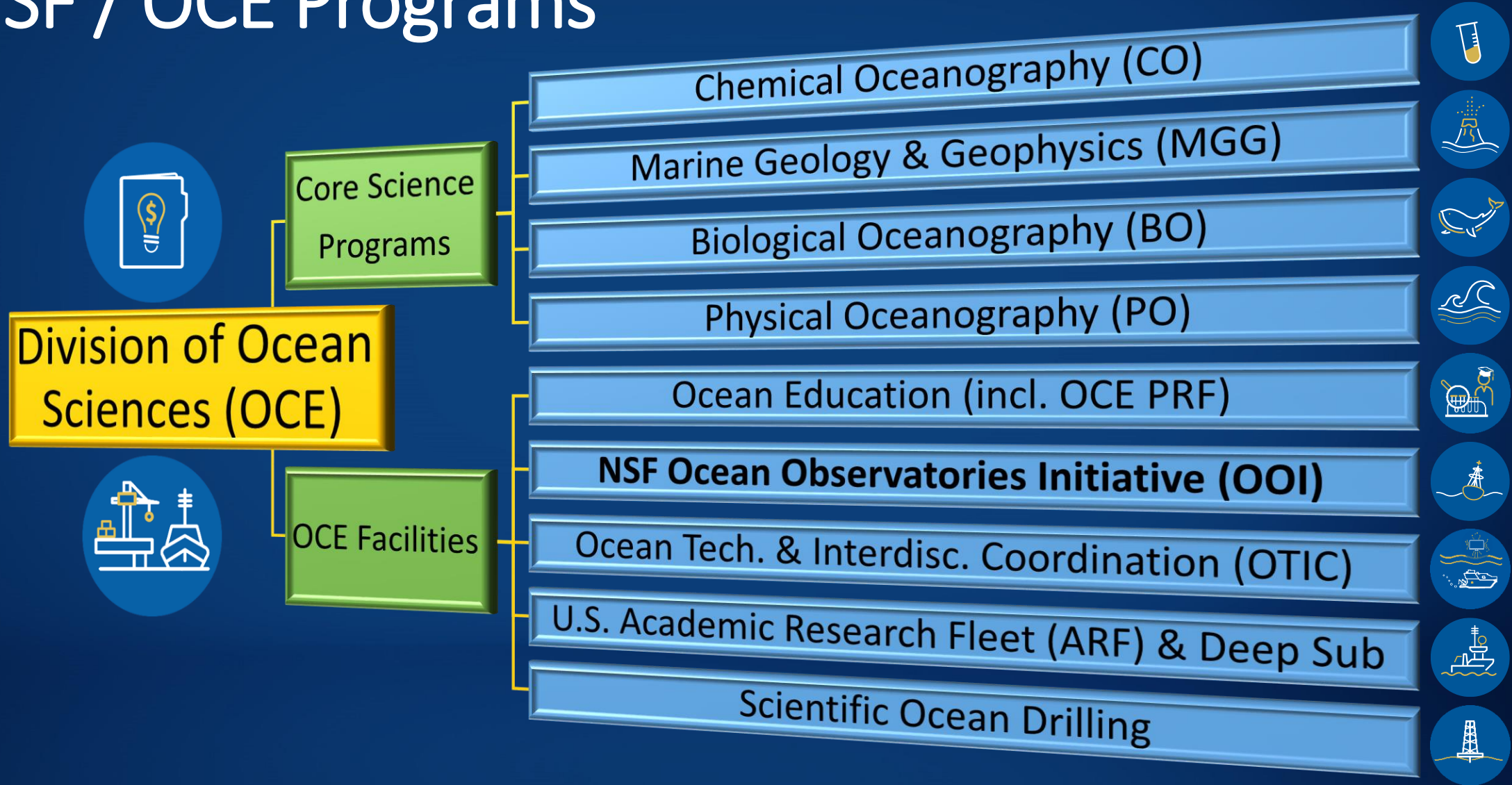
Special announcements:



- ✓ Dear Colleague Letters (DCLs, Informational, glimpse to future special solicitat.)



NSF / OCE Programs



Ocean Sciences Postdoctoral Research Fellowships (OCE-PRF)

[View guidelines](#)22-628 [View image credit](#)[← Search for more funding opportunities](#)[Print](#)

i Important information for proposers

All proposals must be submitted in accordance with the requirements specified in this funding opportunity and in the NSF [Proposal & Award Policies & Procedures Guide \(PAPPG\)](#) that is in effect...

+

Supports independent postdoctoral research on any topic supported by the Division of Ocean Sciences and provides professional development with a focus on developing mentoring skills to broaden participation of underrepresented groups in STEM.

Upcoming due dates

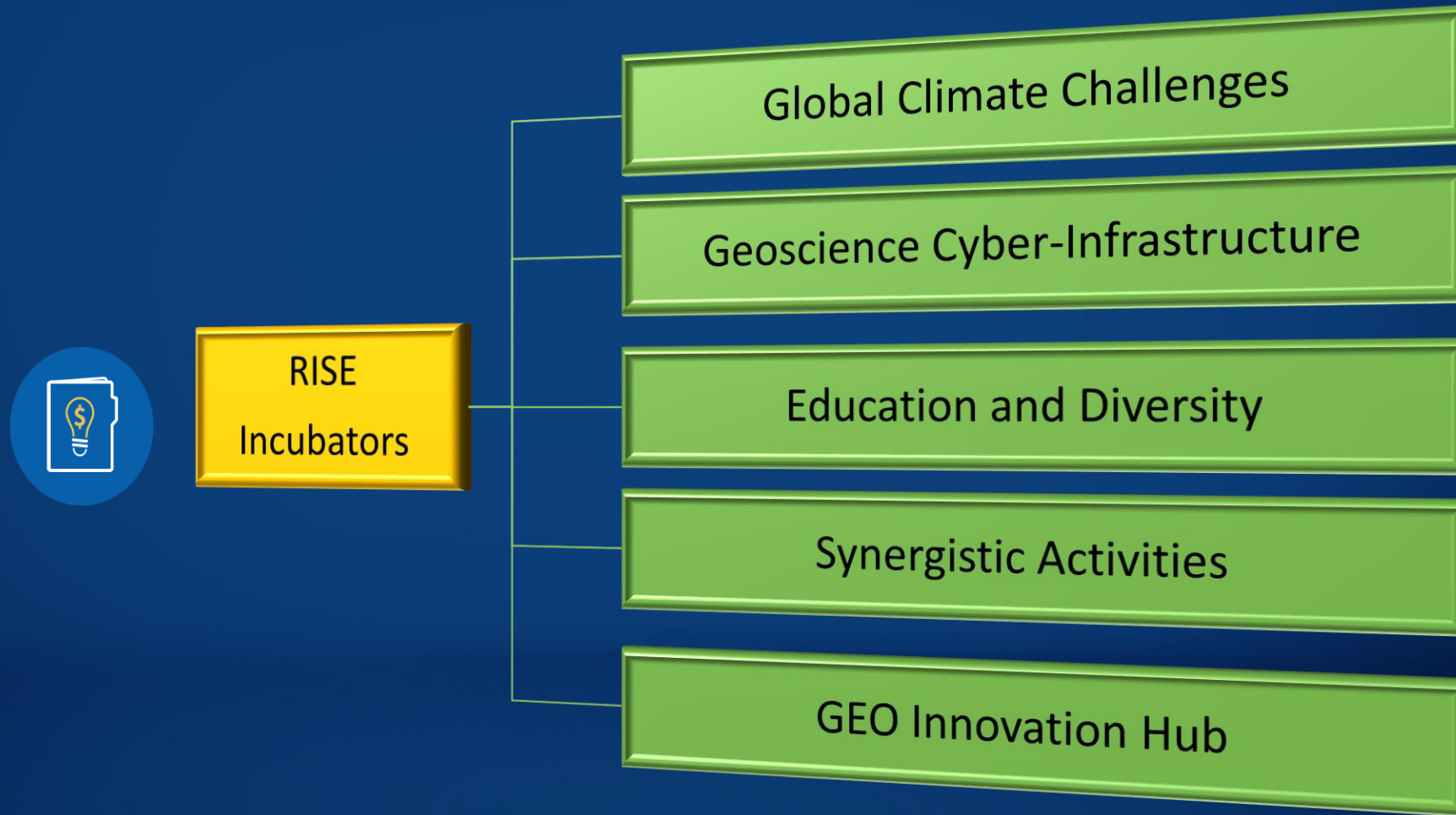
Full proposal

2023**November 10 2023** - Target date

☑ Second Friday in November, Annually Thereafter



NSF / GEO Research, Innovation, Synergies, and Education (RISE) Division



FORECAST

Focus On Recruiting Emerging Climate and Adaptation Scientists and Transformers (NSF 24-558)

Facilitate transition from undergraduate to graduate programs or entrepreneurial positions in STEM fields through student-centered preparation and institutional capacity building

CHIRP

Confronting Hazards, Impacts and Risk for a Resilient Planet (PD 24-297Y)

A resilient planet, present and future, requires understanding how Earth system hazards impact communities and developing actionable solutions to reduce risk. CHIRP is a bold, strategic initiative to catalyze convergent Earth system science, build community partnerships and generate actionable solutions to safeguard communities and ecosystems for a resilient planet.



https://new.nsf.gov/funding/opportunities



[Home](#) / [Funding at NSF](#) / [Funding Search](#) / [Regional Resilience Innovation Incubator \(R2I2\)](#) / Solicitation

Print

i Active funding opportunity

This document is the current version.

NSF 24-595: Regional Resilience Innovation Incubator (R2I2)

Program Solicitation

Document Information

Document History

- **Posted:** August 8, 2024

[Download the solicitation \(PDF, 1.6mb\)](#)

[View the program page](#)



U.S. National Science Foundation

Directorate for Geosciences

Division of Research, Innovation, Synergies, and Education

Directorate for Technology, Innovation and Partnerships

Innovation and Technology Ecosystems

Translational Research with Regional Foci

10 U.S. Climate Regions

r2i2@nsf.gov

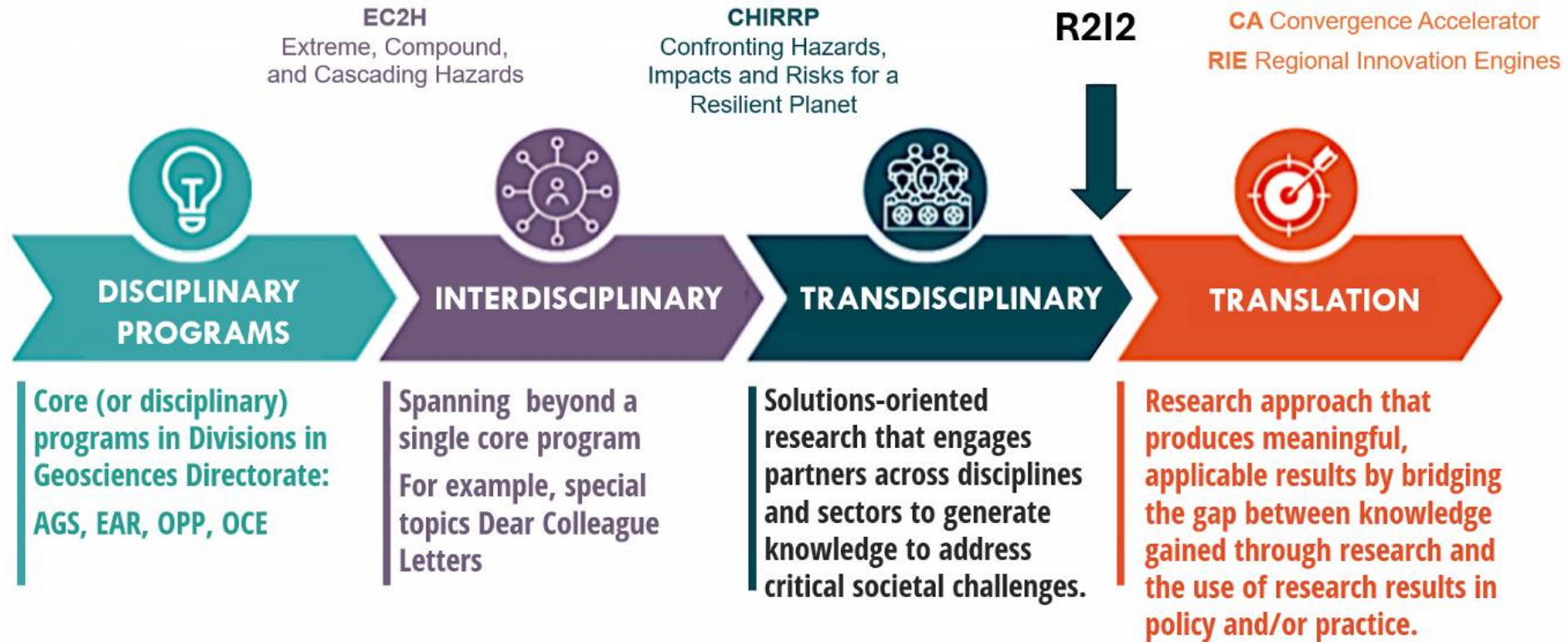
Letter of Intent Due Date(s) (required) (due by 5 p.m. submitting organization's local time):

December 16, 2024

Full Proposal Deadline(s) (due by 5 p.m. submitting organization's local time):

January 16, 2025

What's Unique About R2I2?

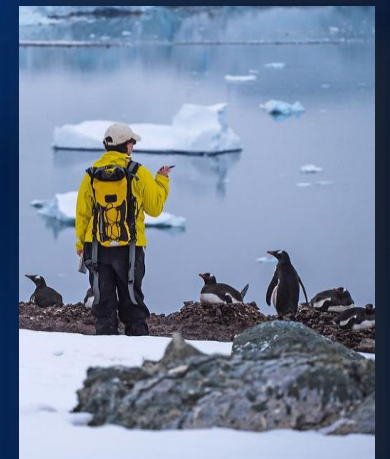


CAIG

Collaborations in Artificial Intelligence and Geosciences (NSF 24-518)


Supports development of advanced AI methods for geosciences research and associated educational and technical efforts to build capacity for adoption of AI-driven approaches by geoscientists.

- Advances development and adoption of innovative artificial intelligence methods to increase scientific understanding of the Earth system
- Supports projects that advance AI techniques and innovative uses of sophisticated or novel AI methods to enable significant breakthroughs in addressing geoscience research
- Supports efforts to increase adoption of innovative AI-driven approaches among geoscientists, including expanding access to cyberinfrastructure and building capacity for use of AI methods among diverse groups and institutions



https://new.nsf.gov/funding/opportunities





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Important information for proposers
All proposals must be submitted in accordance with the requirements specified in this funding opportunity and in the NSF [Proposal & Award Policies & Procedures Guide \(PAPPG\)](#) that is in effect...

Dear Colleague Letter

Using Long-Term Research Associated Data (ULTRA-Data)

April 24, 2024

Encourages submission of proposals for projects that use/reuse long-term environmental data to advance understanding of ecological and evolutionary questions.

Dear Colleague:

With this Dear Colleague Letter (DCL), the U.S. National Science Foundation (NSF) seeks to stimulate and encourage the use and reuse of data from environmental time series research to improve generalizable understanding in fields including (but not limited to) ecology, organismal evolution/adaptation, geoscience, and oceanography.

This DCL contains information about a Funding Opportunity

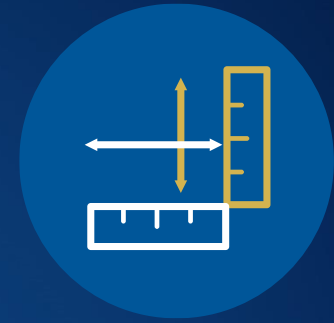
Document number: NSF 24-081

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Published: April 24, 2024

NSF Proposal Evaluation Criteria



NSF evaluates proposals submitted to open, competitive research calls using two **merit review criteria**:

- The **Intellectual Merit** criterion encompasses the potential to advance knowledge
- The **Broader Impacts** criterion encompasses the potential to benefit society and contribute to the achievement of specific, desired societal outcomes



Broader Impacts – a non-exclusive list

- full participation of women, persons with disabilities, and underrepresented minorities in science, technology, engineering, and mathematics (STEM);
- improved STEM education and educator development at any level;
- increased public scientific literacy and public engagement with science and technology;
- improved well-being of individuals in society;
- development of a diverse, globally competitive STEM workforce;
- increased partnerships between academia, industry, and others;
- improved national security;
- increased economic competitiveness of the United States; and
- enhanced infrastructure for research and education.



NSF Proposal Preparation Resources



- Proposal and Award Policies and Procedures Guide (**PAPPG**) - describes required elements and format for NSF proposals*
 - *Note:* this is updated almost every year; watch for changes



- **Program Announcements (incl. DCLs)** – may have information on eligibility, goals, special requirements
 - *Related:* make sure you understand data policies



- **Program Officers** – current; also, former rotators



- **Reviewer / Panel / Program Comments** on unsuccessful proposals (keep calm, put aside for a few weeks, re-read)



OCE Proposal Submission / Review Specifics

- Core OCE science programs (PO, CO, BO, MGG) use a combination of mail and panel review
 - OTIC uses mail review only
- Proposal submission dates
 - MGG and BO accept proposal submissions at **any time**
 - CO and PO still have two target dates per year: **February 15** and **August 15**
 - OTIC has one target date per year: **February 15**
- We co-review proposals all the time – between OCE programs, and with programs in other parts of NSF
 - If you have any questions about the fit of your proposal to a program or programs, contact one (or more) of us!
- For proposals with ship time: include a ship time request (www.unols.org) as a supplementary document in your proposal
- OCE CAREER proposals
 - The Ocean Education Program co-reviews all OCE CAREER proposals, and co-funds the awards. The Education component and its evaluation are important!



Welcome to the

Coastal Pioneer Southern Mid-Atlantic Bight (MAB) Array Community Workshop

Have a productive meeting !

Email: gvoulgar@nsf.gov

