 FY23 INTERDISCIPLINARY RESEARCH
ENABLING INITIATIVE

**Request for Proposals:**
Data-Intensive Climate Analytics Research Pilots

The Byrd Polar and Climate Research Center (BPCRC), Sustainability Institute (SI) and Translational Data Analytics Institute (TDAI) are accepting proposals for compelling research pilots related to data-intensive climate analytics that: 1) are interdisciplinary, big data-enabled and not supported by single-discipline funding mechanisms; 2) have viability and intent to pursue extramural opportunities to scale efforts; and, 3) have translational potential to benefit the greater good.

Awards may include:

* Up to $50K for direct costs
* Access to:
	+ Data commons storage and sharing
	+ TDAI space in Pomerene Hall for work, meetings and events
	+ BPCRC space, including GIS/remote sensing labs
* TDAI data services and consulting
* Software development

**KEY DATES**

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| --- | --- |
| RFP Issued | Nov. 1, 2022 |
| Optional: Info session at Interdisciplinary Research Fall Forum | Nov. 7, 11:30am-1:30pm320 Pomerene Hall  |
| Letters of Intent Due | Dec. 15, 5pm ET |
| Proposals due | Jan. 17, 2023, 5pm ET |
| Notice of Awards | March 14 |
| Funds Released | July 1 |
| Project Period | 7/1/23 – 6/30/24 |
| Project Summary Due | 8/1/24 or earlier |

* Staff support for conferences, workshops or other convening events, including design and facilitation
* Staff support for developing broader impacts, broadening participation and community-engaged aspects of the work

Extramural agency priorities with which a successful proposal might align include, but are not limited to:

* NIH – Climate/Health/Justice
* NSF DCL: Critical Aspects of Sustainability: Innovative Solutions to Climate Change
* NASA Decadal Survey
* DOE –Energy Transition

*Related opportunity*Climate Change Proposal Development Grants

BPCRC, SI and TDAI are also accepting applications for [Climate Change Proposal Development Grants](https://tdai.osu.edu/resources/research-awards/scaling-grants).

Deadline: rolling.

* USDA – Smart Ag

**REQUIREMENTS**

In order to be eligible for an Interdisciplinary Research Pilot Award, a **team** is **required** to:

* Have two or more PIs who represent different departments and distinct disciplines and who are affiliates or core faculty of BPCRC, TDAI and/or SI
* Intend to pursue extramural funding, publication or community engagement as a next step

In order to be eligible for an Interdisciplinary Research Pilot Award, a **project** is **required** to:

* Be innovative and convergent across two or more distinct disciplines
* Have an explicit data science and/or analytics component
* Map to extramural funding, publication or community-based opportunities as next steps
* Be completed within one year

FAQ

*How many awards will be given?* The number of awards depends on the number of high-scoring proposals received and amounts of funding requested. Teams may be asked to adjust funding requests if reasonable to maximize the number of teams supported.

*Can teams submit more than one proposal?* Yes.

*Can researchers be members of more than one team?*Yes.

*Can teams include collaborators from other organizations?* Yes, however external collaborators cannot receive pilot award funds.

*Can teams pursue pilot award/seed grant opportunities offered by other OSU entities?* Yes. Teams are encouraged to pursue all opportunities, and to share plans for doing so in order to facilitate coordination.

**AWARD TERMS**

* The one-year period of performance can start autumn semester 2023 if funds are to support a graduate student.
* Funds may notbe used for travel, overhead, capital expenditures or faculty salary. Fund transfers must be coordinated with the contact PI’s unit fiscal officer using an internal university cost center. All university and unit policies for use must be followed.
* Award recipients agree to:
	+ Provide a brief project summary within 30 days of the project’s completion (template provided)
	+ Serve as reviewers for future interdisciplinary pilot cycles based on subject matter expertise
	+ Acknowledge award sponsors in publications, presentations, publicity and PA-005s for grants that utilize data or other outcomes from the pilot

**LETTER OF INTENT (REQUIRED)**

To be eligible for an Interdisciplinary Research Pilot Award, teams are required to outline the following in a letter of 2 pages or less and submit it no later than **5 p.m. ET on Thursday, Dec 15**:

* Names and affiliations of all investigators, including short descriptions of past work and expertise and previous collaborations among the-PIs.
* 2-3 sentences describing key questions the team will address and the techniques they will use
* Three recommended reviewers from Ohio State with whom no team members have:
	+ Co-authored of any publications, pending publications, or submissions within the past 3 years
	+ Collaborated on any project, including current and planned collaborations within the past 3 years
	+ Been an advisor or advisee for thesis, dissertation or post-doctoral work
	+ Had any other reasonable conflict of interest (consulting, financial arrangement, etc.) within the last 3 years

🡪Submit your **letter of intent** as a Word document or PDF **by** **5 p.m. ET** **on Thursday, Dec. 15**, using this link: <https://forms.office.com/r/32qS2w4PnN>

**PROPOSAL EVALUATION PROCESS AND CRITERIA**

Eligible proposals are reviewed and scored by subject matter experts and award sponsor leadership based on the following criteria, which teams are encouraged to consider when writing your proposal:

1. Project Merit
	1. The problem being addressed is clearly stated
	2. The proposal addresses a compelling research question that is meaningful, related to climate analytics, and well-motivated in terms of the potential scholarly contribution
	3. The proposal includes a well-reasoned ethical consideration of the research and the broader implications of the research for sustainability
	4. The problem requires an interdisciplinary approach to address
2. Methodology
	1. The approach and methods are clear, reasonable and appropriate and have an explicit data science/analytics component
	2. The advantage of this methodology over the next best alternative and the expectation of success are well-reasoned and justified
	3. The team is sufficiently interdisciplinary in its composition to address the challenge
3. Outcomes and Evaluation
	1. The expectation for outcomes is reasonable, justified and worthwhile
	2. The proposal includes a definition and metrics for success that are reasonable and appropriate
4. Vision for Next Steps: The proposal includes next steps for pursuing additional funding
5. Timeline and Budget/Resource Request
	1. The work as outlined can be accomplished within one year
	2. Key milestones are included that are reasonable and effective for completing the project in the proposed timeframe
	3. The proposed budget is reasonable for the activities described and within Climate Analytics Research Pilot Award parameters
6. Additional Considerations

The project:

* 1. Addresses racial justice issues through approach, stakeholder engagement, outcomes or other aspects
	2. Includes members of underrepresented groups in the team’s composition
	3. Includes student or trainee development opportunities
	4. Uses and/or creates data assets that can be utilized by other OSU researchers

**INSTRUCTIONS FOR SUBMITTING A PROPOSAL**

1. Complete your proposal using the required format below.
2. Combine your proposal with biosketches for faculty team members that utilize the NSF or NIH template into a single PDF and name your file using this convention: **FY23 CARPA – [*Contact PI Last name*] – [*Project Title*]**
3. Submit your PDF **by 5 p.m. ET on Tuesday, Jan. 17, 2023,** using this link:
<https://osu.az1.qualtrics.com/jfe/form/SV_55VHVLVms72Of5k>

**REQUIRED PROPOSAL FORMAT**

Project descriptions must be single-spaced with 1/2-inch margins and 10-point Arial type, and include the following sections:

**I. Project Description** (3 pages or less; project description content beyond 3 pages will not be read. References do not count toward this page limit.)

1. Title
2. Contact PI Name, Title and Department(s), Email
3. Keywords
4. Merit: Describe your project’s scientific, scholarly and/or artistic significance; the potential applications/impact of its outcomes and their potential to result in or lead to transformational, rather than incremental, change; and why an interdisciplinary approach is needed. Discuss any ethical considerations for the research.
5. Approach and Methodologies: Describe your interdisciplinary approach and methodologies and the data assets you will use and/or generate. Discuss how your project is novel or innovative compared to the next-best alternative.
6. Outcomes and Evaluation – Describe:
7. Outcomes you expect, e.g., preliminary data, publications, curriculum development, etc.
8. Metrics you will use to measure success
9. Next steps you intend to pursue toward extramural funding. Include specific funding agencies/mechanisms/opportunities if known.

**II. Team** (<1 page): List the name, title(s) and department(s), relevant expertise, and role on the project for every team member, including students and staff. Core faculty (hires) of award co-sponsors should include that designation along with their departmental appointment(s).

**III. Timeline** (<1 page): List dates and brief descriptions of key milestones for completing your project.

**IV. Resourcing Request** (<1 page)

1. Funding (copy-paste this completed box into your proposal).
Amounts must reflect actual costs. Funds may notbe used for travel, overhead, capital expenditures or faculty salary. Total request may not exceed $50,000.

|  |  |
| --- | --- |
| Intended Use(s) (include a brief description, e.g., type, purpose, etc.) | Actual Cost(s) |
| Personnel |  |
| Supplies |  |
| Services |  |
| Other |  |
| Total  |  |

1. In-Kind (copy-paste this completed box into your proposal)

|  |  |
| --- | --- |
| Type | Description (e.g., type, amount/general magnitude, etc.) |
| Data commons access |  |
| TDAI physical space |  |
| BPCRC physical space |  |
| Data services & consulting |  |
| Software development |  |
| Staff support for convening activities (workshops, conferences, etc.) |  |
| Other staff support |  |
| Other: |  |  |

**V. Signature** (copy-paste this completed box into your project description)

|  |
| --- |
| I acknowledge that this proposed project does not present a conflict of interest for any project team member or award sponsor, or for the university. I acknowledge that I am responsible for fulfilling reporting obligations associated with the Interdisciplinary Research Pilot Award program, and for ensuring that the conduct and activities of this team and its guests comply with the values and policies of the award sponsor(s) and university while using awarded resources. |
| Contact PI Name (please print)  | Email  |
| Signature  | Date  |

Proposals must be submitted via Qualtrics by **5 p.m. ET** on **Tuesday, Jan. 17, 2023.**

Late submissions will not be read or reviewed.

If you have questions, email TDAI research strategist Jenny Grabmeier.3.