South Dakota Space Grant Consortium
http://sd.spacegrant.org
Project Innovation Grants – FY2024
Proposal Guidelines
(Announcement released May 2, 2023)

Vision and Mission - South Dakota Space Grant Consortium (SDSGC)

The vision of the SDSGC is to expand opportunities for all South Dakotans through education, research, and public service in the fields of aerospace, earth, and space science. As the link between NASA and the citizens of South Dakota, SDSGC's mission is to instill the spirit of exploration and discovery in students and educators and in the general public, with a special focus on the fields of Science, Technology, Engineering, and Mathematics (STEM) that are essential for the development of the nation's workforce.

Specific higher education, precollege, and informal education goals can be found in SDSGC's Strategic Plan, located online at: http://sdspacegrant.sdsmt.edu/SDSGC-StrategicPlanReorg2019.pdf

Description of Project Innovation Grant solicitation

To identify and stimulate new educational capabilities in the state, the SD Space Grant Consortium (SDSGC) is soliciting proposals for its **Project Innovation Grant (PIG)** program.

Objective of PIGs: Provide seed funding for meritorious projects that:
1) Focus on one or more of the following program areas:
   a) Higher Education (Research included)
   b) Precollege Education
   c) Informal Education
2) Align with **NASA Mission Directorate research priorities** and/or **NASA Center Areas of Interest** -- *see Appendices A.1 – A.5 posted at:*
   http://sdspacegrant.sdsmt.edu/SpaceGrantPIG-FY2024Announcement-AppxA1-A5.docx
3) Show potential to develop into long-term, sustainable programs.

Preference will be given to proposals that:
1) Align with one or more of NASA's current priority education areas:
   a) Effective K-12 STEM teacher education (especially middle-school level)
   b) Undergraduate STEM education (especially retention and engagement in hands-on, NASA-related activities)
   c) Serving groups traditionally underrepresented in STEM fields
2) Include one or more of the following:
   a) Mission-driven authentic STEM experiences
   b) Evidence-based practices
   c) Diversity and inclusion
   d) Scalability through partnerships and networks
3) Include components associated with the following SDSGC interests:
   a) NASA competitive student teams/challenges such as high-altitude ballooning, CubeSats, etc.
   b) Projects involving work with or at USGS EROS and/or SURF
   c) Artemis mission projects
   d) NASA Citizen Science programs (https://science.nasa.gov/citizenscience)

List of successful PIG proposal titles, amounts, and organizations from 2006-2020:
- http://sdspacegrant.sdsmt.edu/PIGs-2006-PresentYear.pdf

Project Timeframe:
These FY2024 funds may be used to fund one-year PIG projects during the period of Feb. 23, 2024 through Feb. 22, 2025.

Funding Information

- The FY2024 Congressional and National Space Grant budgets are currently unclear, but up to ~**$100,000** might be expected to be available to fund PIG projects from SDSGC's FY2024 budget
- Projects proposals may request between $1,000 - $40,000
- Matching (non-federal cost-sharing) is required at a rate of 1:1 (NASA:Match)
- **All FY2024 awards are contingent upon U.S. Congressional approval of the 2024 federal budget and the availability and receipt of FY2024 Space Grant funding from NASA.**

Eligibility

- All 27 affiliate organizations <http://sdspacegrant.sdsmt.edu/membership.html> within the SDSGC are eligible to submit proposals.
- Pursuant to NASA Space Grant requirements, any **student(s) receiving direct NASA Space Grant funding support under a PIG project must be of U.S. citizenship**, although the PI or co-I submitting the proposal need not be of U.S. citizenship provided they are not receiving a NASA Internship or Fellowship under the Space Grant Program.

Proposal Guidelines

The narrative portion of the proposal (items 1-3 below) is limited to **three pages** at 12-point font, and must include the following items.

1) Project title, applicant name, organization/school, address, phone, email address
2) Project abstract (100 words or less)
3) Project description
   a) Measurable objectives with associated metrics to be used to evaluate the success of the project.
   b) List of any project partners including organization name and role played in project.
   c) Project timeline.
   d) Brief discussion of how the project aligns with NASA Mission Directorate Research Priorities and/or NASA Center Areas of Interest *(see Appendices A.1 – A.5 at: http://sdspacegrant.sdsmt.edu/SpaceGrantPIG-FY2024Announcement-AppxA1-A5.docx* and how the project advances the objectives of the SDSGC.
   e) Discussion of the potential for the project to develop into a major educational or research program with plans to secure additional future funding from NASA and/or other sources.
   f) Only in the case of higher education proposals that may involve research and any other subjects where the following support materials would be appropriate: 1) a two-page CV, 2) an indication of current and pending support for the proposed research, and 3) a list of references (citations) for proposed work. *(These items should be appended and are not part of the three-page limit mentioned above).*
   g) A signed statement by the applicant [i.e., person(s) submitting the proposal] indicating that he/she understands that all students receiving direct NASA Space Grant funding support or anyone receiving a NASA Internship or Fellowship associated with the proposed PIG project must be of U.S. citizenship.
4) Budget shall be attached as separate page(s): *See suggested budget format on page 4.*
   a) Salary/wages
   b) Fringe benefits
   c) Travel* (domestic only)
   d) Supplies* (no single piece of equipment over $4,999, computer, or clothing purchases allowed. This restriction also applies to the required 1:1 non-federal match (cost-sharing).
   e) Other direct costs (specify)
   f) Total NASA Space Grant funding requested

* Detailed justification for any travel, supplies, or other direct costs required in budget notes. Also, **all purchases must occur within the time frame of the PIG award**, which in this case is 2/23/24 – 2/22/25 (i.e., items purchased prior to 2/23/24 or after 2/22/25 are not allowable).
NOTE: Facilities & Administration "F&A" (i.e., overhead or indirect) costs are **not allowed**.

Due Date

- Proposals must be received by **August 31, 2023**. Award notifications are anticipated to be made by October 31, 2023.

Completion, Final Report, and Evaluation Survey

1) Grant recipients agree that awarded projects should be completed and all project invoices submitted by Feb. 22, 2025 (this is the unextendible end date of the current 5-year Space Grant cycle, so payment from FY2024 PIG funds for any expenditures after that date are not possible).

2) A **Final Report** must be emailed to Tom Durkin <Thomas.Durkin@sdsmt.edu> at the SDSGC Headquarters Office by the end of the project period. The final report must include:
    a) an introductory summary containing the salient points and the **numbers** of participants reached including students, teachers, and/or general public including age, grade, gender, % minorities, organization names, etc.,
    b) a description of project accomplishments,
    c) an assessment of how well the project achieved its intended goals/objectives,
    d) a list of any products produced (such as educational curriculum developed, if applicable),
    e) any insightful quotes from project participants,
    f) citation of any publications/posters/ presentations,
    g) plans for any next steps, and
    h) a detailed expense account that will hold up to an audit. Photos are welcome, but not necessary.

3) Upon receipt of an email from SDSGC's Program Evaluator, Steckelberg Consulting, LLC, the PIG PI must complete in an **on-line post-project evaluation survey** that will ask for much of the same information that can be cut-and-pasted from the final report, but will also include some evaluation questions.

Proposal Submission

PIG Proposals must be submitted to SDSGC Deputy Director Tom Durkin via email at Thomas.Durkin@sdsmt.edu **as a single-file attachment in either PDF or Word format** and received by **August 31, 2023**. Late or incomplete proposals will not be accepted.

Questions? Contact Tom Durkin – Email: Thomas.Durkin@sdsmt.edu   Phone: 605-394-1975

SD Space Grant FY2024 "Project Innovation Grant" PROPOSAL BUDGET (Suggested Format)
(Project period: Feb. 23, 2024 through Feb. 22, 2025)

Project Title: _____

	Proposal Amount (Requested NASA funds)	Non-Federal Cost Share Amount
A. Salaries and Wages		
PI	_____	_____
Co-PI	_____	_____
Co-PI	_____	_____
Staff/Other Personnel	_____	_____
Graduate Student	_____	_____
Undergraduate Student	_____	_____
Total Salaries and Wages	_____	_____
B. Fringe Benefits		
Staff	_____	_____
Students	_____	_____
Total Fringe Benefits	_____	_____
Total Salaries, Wages, and Fringe Benefits	_____	_____
C. Travel		
_____	_____	_____
_____	_____	_____
_____	_____	_____
Total Travel	_____	_____
D. Supplies	_____	_____
E. Other Direct Costs		
_____	_____	_____
_____	_____	_____
_____	_____	_____
Total Other Direct Costs	_____	_____
F. **Total Costs**	_____	_____

Budget Notes (please be brief, but sufficiently clear for proposal reviewers to understand what any Travel, Supplies, and/or Other Direct Costs entail: