**Watershed Innovations (WINS)
Graduate Supplement Awards**

**2024-2025 Proposal Application**

**Important Notes**:

Please complete all parts of this Proposal Application to be considered for the WINS Graduate Supplement Award.

* Proposals must be received via email by 5:00pm CST, March 20, 2024, to be considered.
* The completed **application** (word), **budget** (excel), **budget justification** (word), **biosketches** (pdf), and **PI letter of support** (pdf) must be included in the email.
* Submissions should go to Sarah Roth (fello067@umn.edu) with the subject line: 2024 WINS Proposal - [Your Last Name]
* The project description (items 14-19) is limited to **4 total pages** (including tables, pictures, graphs, and figures) and all items are required.
	+ All other items (basic project information, project summary, citations, investigator qualifications, and PI letter of support) do not count towards the page limit but are required parts of the proposal.
* **Student to-be-funded is required to lead proposal writing.**

**Basic Project Information**

1. Title of proposal:
2. Student Information

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Classification (MS, PhD) |  |
| Graduate Program / Department |  |
| Degree Semester/Year Started |  |
| Anticipated Graduation |  |

1. PI (faculty) Information

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Phone |  |
| Title |  |
| Department |  |

1. Funds requested *(up to $10,000)*:
2. Start Date *(after Oct 1, 2024)*:
3. End Date *(up to Aug 31, 2025)*
4. MN Congressional District *where the work is to be conducted*:
5. Keywords *(Choose* ***three*** *from the appendix, with the most preferred first)*:
6. Science Priority *(Choose* ***one****)*:
* Watershed and Ecosystem Function
* Workforce Development and Water Literacy
* Water Technology and Innovation
* Water Policy, Planning, and Socioeconomics
* Water Quality
* Water-Related Hazards and Climate Variability
* Water Scarcity and Availability
1. Landscape Descriptor *(Choose* ***one****)*:
* Upper Mississippi River
* Great Lakes
* Other
1. Science Descriptor *(Choose* ***up to 2****):*
* Water Challenges
* STEM
* Oceans/Coastal/Great Lakes
* Natural Hazards
* Indian Water Rights
* HABs
* Energy
* Climate

**Project Summary**

1. Abstract. *Provide a brief (300 words max) description of the problem, methods, and objectives.*
2. Plain-language summary. *Provide a brief (150 words max) description of the study that could be understandable by the general public.*

**Project Description**

1. Statement of regional or state water problem.*Explanation of the need of the project: who wants it and why.*
2. Statement of results or benefits**.** *Specify the type of information that is to be gained and how it will be used. In particular, how will this benefit Minnesota?*
3. Nature, scope, and objectives of project**.** *Include a brief timeline of activities.*
4. Methods, procedures, and facilities**.** *Provide enough information to permit evaluation of the technical adequacy of the approach to satisfy the objectives.*
5. Related research**.** *Context for the proposed work in terms of previous and ongoing research.*

**Data management**

1. Briefly (maximum one paragraph) describe how the proposal will manage the dissemination and sharing of results and associated data. This may include:
	* Types of data, samples, collections, software, curriculum materials, and other materials to be produced in the project;
	* Standards to be used for data and metadata format and content;
	* Policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights/requirements;
	* Provisions for re-use, re-distribution, and the production of derivatives; and
	* Plans for archiving data, samples, and other research products, and for preservation of free public access to them

A valid data management plan may include a statement that no detailed plan is needed (e.g. “no data are expected to be produced from this project”), as long as the statement is accompanied by a clear justification.

**Citations**

**nvestigator’s quaons**

1. References cited in the proposal

**Investigator’s qualifications**

1. Max 2-page biographical sketch of the PI(s) and student

**PI letter of recommendation**

1. Brief letter from your research advisor (PI) expressing support and confirming that the proposal is your work.

**Appendix**. Keywords List *(item 8)*

ACID DEPOSITION

AGRICULTURE

CLIMATOLOGICAL PROCESSES

CONSERVATION

DROUGHT

ECOLOGY

ECONOMICS

EDUCATION

FLOODS

GEOMORPOLOGICAL PROCESSES

GEOCHEMICAL PROCESSES

GROUNDWATER

HYDROGEOCHEMISTRY

HYDROLOGY

INVASIVE SPECIES

IRRIGATION

LAW, INSTITUTIONS, AND POLICY

MANAGEMENT AND PLANNING

METHODS

MODELS

NITRATE CONTAMINATION

NON POINT POLLUTION

NUTRIENTS

RADIOACTIVE SUBSTANCES

RECREATION

SEDIMENTS

SOLUTE TRANSPORT

SURFACE WATER

TOXIC SUBSTANCES

TREATMENT

WASTEWATER

WATER QUALITY

WATER QUANTITY

WATER SUPPLY

WETLANDS