IOWA WATER CENTER

2019 Request for Proposals

The Iowa Water Center, the Water Resources Research Institute for the State of Iowa as authorized by the Water Resources Research Act of 1964, seeks proposals for the annual 104(b) funding program sponsored by the U.S. Geological Survey. This program consists of one opportunity for 2019: a graduate student supplemental research competition. Funding for selected projects will be available beginning April 15, 2019 (funding availability dependent upon congressional budget action) for a one-year period. Projects should address local or regional water research needs.

Project activities and expenditures will be subject to federal requirements under Uniform Guidance (UG). To read more about UG, please visit: http://www.ospa.iastate.edu/omb-uniform-guidance.

Deadline for proposals is Monday November 26 5PM Central Time. Late Proposals will not be accepted.

Graduate students must notify us via email (hbates@iastate.edu) of proposal submission intention by November 9 at 5PM Central Time. Graduate students should submit their intention to submit a proposal with three to six names, including contact information, of their preferred reviewers (see check list in addendum).

Graduate Student Supplemental Research Competition
This program is designed to allow students to complete additional research objectives or products beyond the scope of their current water related funded project. Funding of up to $5,000 for one year is available to graduate students nearing completion of their program of study or those with well-established, active research projects. (The readiness of the student to embark on additional research is subjective, and students should consult with their major professor before deciding to apply.) The proposed budget must include funds for publication costs; students will be required to submit their research to peer-reviewed publications.

The Iowa Water Center anticipates funding for approximately three graduate student supplemental grants in 2019. Anticipate a start date no earlier than April 15, 2019.

Proposals must be submitted by email to hbates@iastate.edu with the subject line: 2019 IWC Research Competition - [Your Last Name]
Funding

Funds from this program can be requested for graduate student support, supplies, local travel, analytical costs and publication costs. Additional cost categories that are imperative for the project are allowed; students are encouraged to contact IWC with questions prior to submitting the proposal. Investigators will be required to provide documentation of committed matching funds. The U.S. Geological Survey requires a 2:1 nonfederal to federal funds match. The sponsor will not pay indirect costs; researchers are encouraged to use forfeited indirect costs as a portion of the required match.

If you are an Iowa State University student, you do not need to fill out a Goldsheet.

Evaluation Criteria for Funding

Proposals will be reviewed for scientific merit by scientists not involved with this RFP and the Center’s Advisory Board (a listing of board members can be found at http://www.water.iastate.edu/content/advisory-board).

Awarded Proposals Expectations

Graduate students who are awarded in this competition are required to submit an annual report for each Reporting Year for the Iowa Water Center as well as a final report at the completion of the project. Awardees will also be required to have a poster or give a presentation at the Iowa Water Conference, held annually in central Iowa, while their project is active. Graduate students will also have the opportunity to be featured in photos, video, and written content produced by the Iowa Water Center.

Proposal Guidelines

Please include the information listed below. The body of the proposal (items 10 through 16) should not exceed 6 single-spaced pages in 12-point, Times New Roman font.

1. Principal Investigator(s): Provide name, academic rank, university, email address, and phone number of the principal investigators. Graduate students should list their adviser as a co-investigator.
2. Focus Categories: Choose a maximum of three from the list on page 3.
3. Research Category: Choose the option that most closely applies.
4. Keywords: Include keywords that are descriptive of the work.
5. Duration of Project: Actual beginning date and estimated end date for the project. Anticipate a start date no earlier than April 15, 2019.
6. Congressional District of the university where the work is to be conducted.
8. Budget Breakdown (see page 4)
9. Budget Justification (see page 5)
10. Title
11. **Statement of regional or State water problem**: Include an explanation of the need for the project, who wants it, and why.
12. **Statement of results or benefits**: Specify the type of information that is to be gained and how it will be used.
13. **Nature, scope, and objectives of the project**, including a timeline of activities.
14. **Methods, procedures, and facilities**: Provide enough information to permit evaluation of the technical adequacy of the approach to satisfy the objectives.
15. **Related research**: Show by literature and communication citations the similarities and dissimilarities of the proposed project to completed or on-going work on the same topic.
16. **Training potential (seed grants only)**: Estimate the number of graduate and undergraduate students, by degree level, who are expected to receive training in the project.
17. **Investigator’s qualifications**: Include resume(s) of the principal investigator(s). No resume shall exceed two pages or list more than 15 pertinent publications.
18. **Cost-share documentation**: Provide a letter from sponsor indicating that funds are approved for 2:1 match. A memo from your accountant stating that funds are available to meet the cost-share requirement will also suffice. Cost share should include unrecovered indirect costs on both the federal and nonfederal portions of the budget.

**E. Deadline**: Please email the proposal as a Word file (no pdf files) to h Bates@iastate.edu, by close of business Monday, November 26, 2018. Note: Please refer to the National Institutes for Water Resources website http://niwr.info/ for additional information.
Focus Categories
Research Category Code
Acid Deposition ACD
Agriculture AG
Climatological Processes CP
Conservation COV
Drought DROU
Ecology ECL
Economics ECON
Education EDU
Floods FL
Geomorphological Processes GEOMOR
Geochemical Processes GEOCHE
Groundwater GW
Hydrogeochemistry HYDGE
Hydrology HYDROL
Invasive Species INV
Irrigation IG
Law, Institutions, & Policy LIP
Management & Planning M&P
Methods MET
Models MOD
Nitrate Contamination NC
Non-Point Pollution NPP
Nutrients NU
Radioactive Substances RAD
Recreation REC
Sediments SED
Solute Transport ST
Surface Water SW
Toxic Substances TS
Treatment TRT
Wastewater WW
Water Quality WQL
Water Quantity WQN
Water Supply WS
Water Use WU
Wetlands WL
## Budget Breakdown

<table>
<thead>
<tr>
<th>Cost Category</th>
<th>Federal Funds requested</th>
<th>Non-Federal matching funds</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td><strong>1. Salaries and Wages</strong></td>
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<tr>
<td>Principal Investigator/post doc/grad/undergrad</td>
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<td>Principal Investigator/post doc/grad/undergrad</td>
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<td>Principal Investigator/post doc/grad/undergrad</td>
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<tr>
<td><strong>Total Salaries and Wages</strong></td>
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<td><strong>2. Fringe Benefits</strong></td>
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<td>Principal Investigator/post doc/grad/undergrad</td>
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<td><strong>Total Fringe Benefits</strong></td>
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<td><strong>3. Supplies</strong></td>
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<td><strong>4. Equipment</strong></td>
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<td><strong>5. Services and Consultants</strong></td>
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<td><strong>6. Travel</strong></td>
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<td><strong>7. Other direct costs</strong></td>
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<td><strong>8. Total direct costs</strong></td>
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<tr>
<td><strong>9a. Indirect costs on federal share</strong></td>
<td>XXXXXXXX</td>
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<tr>
<td><strong>9b. Indirect costs on non-federal share</strong></td>
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<td><strong>10. Total estimated costs</strong></td>
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Budget Justification

1. **Salaries and Wages:** Provide estimated hours and the rate of compensation proposed for each individual (X hours @ $X). Tuition remission and other forms of compensation paid as or in lieu of wages to students performing necessary work are allowable provided that the tuition or other payments are reasonable compensation for the work performed and are conditioned explicitly upon the performance of necessary work.

2. **Fringe Benefits:** Provide the overall fringe benefit rate applicable to each category of employee proposed in the project.

3. **Supplies:** Indicate separately the amounts proposed for office, laboratory, computing, and field supplies. Please be specific.

4. **Equipment:** Identify non-expendable personal property having a useful life of more than one year and an acquisition cost of more than $5,000 per unit. If fabrication of equipment is proposed, list parts and materials required for each and show costs separately from the other items.

5. **Services or Consultants:** Identify the specific tasks for which these services, consultants, or subcontracts would be used. Estimate amount of time required and the hourly or daily rate. Provide a detailed list (i.e. sample analysis: 1000 samples @ $8/sample.)

6. **Travel:** Provide purpose and estimated costs for all travel. Travel opportunities must be specific (i.e. travel to XYZ conference in XYZ location on XYZ dates) and costs must be itemized (e.g. airfare, lodging, parking, per diem).

7. **Other Direct Costs:** Itemize costs not included elsewhere, including publication costs. Costs for services and consultants should be included and justified under “Services or Consultants” above.

8. **Indirect Costs:** No indirect costs are associated with these grants. Please use forfeited indirect costs as part of the required match.
Proposal Checklist

- Read RFP in totality
- Email hbates@iastate.edu the intention to submit proposal with 3-6 potential reviewers (including contact information) by November 6, 2018 5PM Central Time
- Complete proposal guidelines
- Complete budget with a 2:1 nonfederal to federal funds match
- Submit proposal as a Word Document by November 26, 2018 5PM Central Time to hbates@iastate.edu
  - Proposals must be submitted by email to hbates@iastate.edu with the subject line: 2019 IWC Research Competition - [Your Last Name]