



**Institute for Water and Watersheds  
Oregon State University**

210 Strand Agriculture Hall Corvallis, OR 97331-2208  
Voice: 1 541 737 9918 Fax: 1 541 737 1887  
[water.oregonstate.edu](http://water.oregonstate.edu) [iww@oregonstate.edu](mailto:iww@oregonstate.edu)

**2008 REQUEST FOR PROPOSALS**

The Institute for Water and Watersheds (IWW) is pleased to announce its fourth annual Request for Proposals. IWW is interested in supporting projects that assist state and local agencies who are responsible for examining issues related to long-term water and watershed management with a focus on creating sustainable solutions that balance stewardship of the resource with economic viability for local communities. Proposals should give evidence that the project will increase our knowledge about how resource demands and supplies can be balanced for the long term. However, proposals will be accepted from faculty at Oregon universities and colleges on any topic that is related to critical water issues in the state.

Priority will be given to proposals directed towards the focus area, although creative proposals on other topics are highly encouraged. Proposals are expected to leverage other resources and provide measurable impacts. Proposals may address the following (but are not limited to) projects such as:

- Important unsolved technical questions related to water resource management identified in the IWW five year report to the USGS as listed in **Attachment B**
- Pilot test of hypotheses in preparation for larger proposal
- Innovative curriculum development, films, or videos
- Water and watershed research projects
- Supplementary funds to leverage existing projects
- Conferences, workshops, and/or seminars
- Delivery of service to an Oregon watershed advocacy group (must be done in partnership with watershed council(s) or similar groups)
- Undergraduate or graduate student participation in research or outreach activity

**Proposals that anticipate requiring the use of analytical services are encouraged to use the IWW Collaboratory.** Please contact the Collaboratory Manager Kathryn Motter at 541-758-8764, [Kathryn.Motter@oregonstate.edu](mailto:Kathryn.Motter@oregonstate.edu), or visit <http://water.oregonstate.edu/collaboratory/index.htm> for more information.

**Proposals should be no longer than 5 single-spaced pages, 12-point font, exclusive of resumes and attachments.** See **Attachment A** for details about what information must be included in the proposal.

We anticipate the availability of funding from the U.S. Geological Survey State Water Resources Research Institute Program to provide funds for this 2008 RFP. We anticipate funding projects up to \$30,000 (excluding any match) this year. All projects require a 2:1 match of non-federal funds. For example, a \$10,000 grant requires \$20,000 in matching non-federal funds. This match can be made in multiple ways

including “forgiven overhead” (on both the USGS and matching funds) since no overhead is provided to the faculty’s institution through these grants. In addition, OSU faculty may apply for matching funds through the Provost’s Initiative for up to one-half of the match. For example, OSU faculty may match the USGS amount 1:1 with funds from the Provost’s Initiative, but will still be required to show a 2:1 match on the project. The remaining portion of the matching funds must be satisfied in other ways. *The Provost’s Initiative funds are not available to non-OSU faculty unless they are partnering with OSU faculty on a project.*

Criteria for evaluation will include:

- Extent to which the project addresses a focus area or other critical water issue in Oregon
- Scientific or scholarly merit
- Likelihood of success
- Likelihood for substantial and demonstrable impact (e.g., leverages external funding, increases range of water curriculum, extends range or type of outreach, etc.)
- Degree to which project promotes collaboration with additional scientists or external partners
- Degree to which project provides support for undergraduate and graduate student research

Criteria for immediate rejection will include, but not be limited to:

- Budgets that do not comply with OUS and OSU regulations. Please contact the Sponsored Programs Office at your institution to determine if your proposed budget and contracting arrangements with partner institutions comply with OUS and OSU regulations.
- Proposals that exceed the requested page limit.

***Proposals are due Friday, November 14, 2008 by 5:00 pm.*** Please do not submit late proposals or any appurtenant attachments. Applicants will be notified of awards by mid-January 2009. We anticipate that funds will be available in March 2009, although because of delays with the federal budget process, it is possible that grant funds will not be available until later in the spring.

**Submission instructions:**

Forward your proposal in electronic form (PDF) to:

[todd.jarvis@oregonstate.edu](mailto:todd.jarvis@oregonstate.edu)

Institute for Water and Watersheds  
210 Strand Agriculture Hall  
Oregon State University  
Corvallis, OR 97331-2208

Direct questions to Todd Jarvis at 541-737-4032 or e-mail above.

## Attachment A: Proposal Format

Each proposal must include the following elements:

A. Title Page with the following components.

*Title:* Concise but descriptive.

*Project Type:* Specify as Research, Information Transfer, Information Management System, Education, or Other.

*Focus Categories:* selected from the list in **Attachment G**.

*Keywords:* Enter keywords of your choice descriptive of the work.

*Start Date:* Enter the actual beginning date for the project (This should be February 18, 2009 for most projects).

*End Date:* Enter the estimated end date for the project (This should be February 16, 2010 for most projects)

*Principal investigator(s):* Provide name, academic rank, university, email address and phone number of the principal investigators.

*Congressional District* of the university where the work is to be conducted.

B. Abstract. Provide a brief (one-page) description of the problem, methods, and objectives.

C. Budget

*Budget Breakdown:* please follow the format outlined in **Attachment D**.

*Budget Justification:* please follow the format outlined in **Attachment E**.

For an example of how to calculate the budget match, please see the example **mock budget**, in MS Excel Format.

D. Body of Proposal

*Title*

*Statement of critical regional or State water problem.* Include an explanation of the need for the project, who wants it, and why.

*Statement of results or benefits.* Specify what is to be gained through this project and how it will be used.

*Nature, scope, and objectives of the project, including a timeline of activities.*

*Methods, procedures, and facilities.* Provide enough information to permit evaluation of the technical adequacy of the approach to satisfy the objectives.

*Related research.* (Research projects only) Show by literature and communication citations the similarities and dissimilarities of the proposed project to be completed or on-going work on the same topic.

*Training potential.* Estimate the number of graduate and undergraduate students, by degree level, who are expected to receive training in the project.

*Impact Measures.* Identify specific anticipated impacts and describe metrics for these impacts. These will vary with the nature of the proposal, but may include number of students reached through new courses, external supported generated as a result of the project, changes in stakeholder behavior, or other appropriate measures.

*Investigator's qualifications.* Include a resume(s) of the principal investigator(s). No resume shall exceed two pages or list more than 15 pertinent publications.

## **Attachment B: The Water Resource Problems of Oregon**

Beyond the high-public-attention areas of water policy and management, important unsolved technical questions related to water resource management remain unanswered. The main problem areas and specific problems identified by the IWW include:

- Inadequate seasonal instream flows (adverse effects on aquatic habitat, waste dilution and assimilation, recreation, downstream needs);
- Contamination of ground and surface waters (sources, control, cleanup, protection of drinking water supplies);
- Declining groundwater levels (poor knowledge of aquifer conditions, excessive withdrawals, need for management);
- Improved management of grazing to protect streams in rangelands;
- Inefficiency of water use (agriculture, industry, municipal and domestic systems);
- Inter-connectivity of surface waters and groundwater (inter-connectedness, joint management, water yield, interstate use);
- Deterioration and loss of aquatic/riparian habitat, especially wetlands;
- High summer temperatures in streams that are habitat for cold water fish;
- Management for protection of forested streams;
- Protection of bay, estuarine and wetland resources (processes, impacts of nearby development);
- Structural and non-structural options for water management (reservoir impacts, alternatives, seasonal and geographic problems, floods, water shortages, land use, management);
- Competition for available water including water markets (shifting priorities, alternative sources, valuation);
- Effect of long term global weather patterns on water resource management in Oregon;
- Water institutions and institutional arrangements (laws, rights, pricing, reuse, competition); and
- Technology/information transfer to effectively disseminate information from researchers to users.

Budget Breakdown

Attachment D

BUDGET BREAKDOWN\*

Project Number: (Number will be provided by the application system)

Project Title:

Cost Category		Federal	Non-Federal	Total
1.	Salaries and Wages	\$	\$	\$
	- <u>Principal Investigator</u>			
	- _____			
	- _____			
	- _____			
	Total Salaries and Wages	\$	\$	\$
2.	Fringe Benefits			
3.	Supplies			
4.	Equipment			
5.	Services or Consultants			
6.	Travel			
7.	Other direct costs			
8.	Total direct costs			
9a.	Indirect costs on federal share	XXXXXXXXXX XXXXXXXXXX		
9b.	Indirect costs on non-federal share	XXXXXXXXXX XXXXXXXXXX		
10.	Total estimated costs	\$	\$	\$
Total Costs at Campus of the University on which the Institute or Center is located.		\$	\$	\$
Total Costs at other University Campus Name of University:		\$	\$	\$

\* This form is provided as a worksheet only

Budget Justification  
**BUDGET JUSTIFICATION\***

Attachment E

Project Number: (Number will be provided by the application system)

Project Title

<p><b>Salaries and Wages.</b> Provide estimated hours and the rate of compensation proposed for each individual. (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.)</p>
<p><b>Fringe Benefits.</b> Provide the overall fringe benefit rate applicable to each category of employee proposed in the project.</p>
<p><b>Supplies.</b> Indicate separately the amounts proposed for office, laboratory, computing, and field supplies.</p>
<p><b>Equipment.</b> Identify non-expendable personal property having a useful life of more than one (1) 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.</p>
<p><b>Services or Consultants.</b> 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.</p>
<p><b>Travel.</b> Provide purpose and estimated costs for all travel.</p>
<p><b>Other Direct Costs.</b> Itemize costs not included elsewhere, including publication costs. Costs for services and consultants should be included and justified under "Services or Consultants (above).</p>
<p><b>Indirect Costs.</b> Provide negotiated indirect ("Facilities and Administration") cost rate.</p>

\* This form is provided as a worksheet only.

Focus Categories

Attachment G

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	HYDGEO
HYDROLOGY	HYDROL
INVASIVE SPECIES	INV
IRRIGATION	IG
LAW, INSTITUTIONS, AND POLICY	LIP
MANAGEMENT AND 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