November 14, 2011

Below please find recently-announced grants and other announcements. Previously-posted grants are available on our funding pages. Note new NSF grant, "CREATIV," intended for transformational interdisciplinary research.

Below please find:

Opportunities for students and recent graduates:
1. **Graduate funding:** Department of Energy graduate fellowship, field research funds, NOAA grad fellowships, national park climate change fellowship, summer research at IIASA (Austria), policy award in biological sciences, foreign language fellowships, fellowship in evolution at Duke, Department of Defense fellowships
2. **Postdocs and faculty jobs:** Postdocs in government agencies; climate change workshop (DISCCRS); faculty jobs in sustainability, environmental education, food, agroecology, and communication; boarding school sustainability; postdocs in sustainable enterprise and African development

Opportunities for faculty (by funder):
1. **Department of Energy:** Smart Grids, coal research
2. **Environmental Protection Agency:** List of upcoming grants, to be posted
3. **MSU grants:** Sustainable Michigan Endowed Project seed grants, Project GREEEN (agriculture), Water Initiative Research Grants, Visiting Water Scholar Program
4. **National Science Foundation:** CREATIV – awards for interdisciplinary, transformational research; Partnerships for Innovation; workshops in scientific communication and measurement; Science, Technology, and Society
5. **Other agencies (NASA, USDA, Interior, Coast Guard):** Land Cover/ Land Use Change for Early Career Scientists, Biotechnology Risk Assessment, Spatial Data Infrastructure, Detection of Oil Within the Water Column

OPPORTUNITIES FOR STUDENTS AND RECENT GRADUATES

1. **Graduate funding**

   **Graduate Fellowship**, Department of Energy's Office of Science
   For work in fundamental research in areas of physics, biology, chemistry, mathematics, engineering, computer and computational sciences, and environmental sciences relevant to the Office of Science. (These include climate science and bioenergy.) Must be first- or second-year graduate student or undergraduate senior. Must be U.S. citizen. Three years of support. $50,500/ year. 
   *January 3 (annual)*

   **Lewis and Clark Fund for Exploration and Field Research**
   For PhD students in any field requiring field research (social and biophysical sciences). Need not be US citizen. $300- $5,000. 25-50 awards annually, 
   *Application due February 1; letters of support due January 26 (annual)*

   **Graduate Fellowships in (1) population dynamics and (2) marine resource economics**, National Oceanic and Atmospheric Administration
   May address Great Lakes. Must be doctoral student and U.S. citizen. Two-three years of support. $38,000/ year. Four awards annually. Submit through Sea Grant. Applications for population dynamics and resource economics. 
   *January 20 (annual)*
National Park Service George Melendez Wright Climate Change Fellowship Program

to support new and innovative research relevant to managing climate change impacts in US National Parks, including transboundary issues and comparisons to Mexican or Canadian protected areas. For research in 2012-2013. For master’s and doctoral students, and U.S. and non-U.S. citizens. $5-20K per fellowship. 22 awards last year.

January 18 (annual)

Young Scientists Summer Program, IIASA (International Institute for Applied Systems Analysis), Austria

Summer research opportunities for students whose interests correspond with IIASA’s ongoing research on issues of global environmental, economic and social change. Should be about two years prior to receiving a PhD. Full funding provided. Usually 10-15 U.S. students chosen.

January 16 (annual)

Emerging Public Policy Leadership Award, American Institute of Biological Sciences

Recognizes graduate students in the biological sciences who have demonstrated initiative and leadership in science policy. Recipients participate in DC workshop. Must be US citizen. Should be in “the biological sciences, science education, or closely allied field.” Two awarded annually.

January 20 (annual)

Boren Fellowships, National Security Education Program

For Master’s and Ph.D. students to add an international and language component to their education. Research area must relate to national security, defined broadly as including sustainable development, environmental degradation, global disease and hunger, and population growth and migration. Fellowship may be one semester-two years long. Up to $30,000 of support. About 100 awards annually.

January 31 (annual)

Graduate fellowships and postdocs, National Evolutionary Synthesis Center (NESCent) (Duke University)

Center is dedicated to cross-disciplinary research in evolution. Graduate fellowships are one semester. Must have completed one year of graduate school. $15,000.

January 1, July 1 (annual)

National Defense Science and Engineering Graduate Fellowship Program, Department of Defense (DOD)

For PhD students in an area of DoD interest. Possible environmental links include biosciences, material sciences, and geosciences. Must be in final year of undergraduate studies or have completed only two years of graduate study. Must be US citizen or national. Three years of support. Full funding. 200 awards annually.

December 16 (annual)

2. Postdocs and faculty jobs

Research Associateship Program, National Academy of Sciences

Postdoctoral fellowships at government agencies, including EPA. Applicants select research projects from opportunities on website. One-4 years of support.

February 1, May 1, August 1, November 1

Dissertation Initiative for the Advancement of Climate Change Research (DISCCRS), NSF and NASA

DISCCRS brings together recent PhDs engaged in research related to climate change for a week-long workshop in October. Selection will favor applicants who plan to engage in interdisciplinary research careers in any subject within or relevant to climate change and its impacts. The aim of DISCCRS is to foster interdisciplinary work by connecting new researchers who are striving to create and integrate knowledge across multiple disciplines and to develop creative solutions to problems relating to climate change. Must have completed PhD between April 1, 2009 and February 28, 2012. 30 scholars chosen.

February 29 (annual)

Assistant Professor of Sustainability, Philadelphia University

December 6, 2011
Assistant or Associate Professor of Human Dimensions and Director of the Wisconsin Center for Environmental Education, University of Wisconsin – Stevens Point  
*December 1, 2011*

Assistant Professor of Agriculture, Society and Food Security, University of California, Berkeley  
*December 1, 2011*

Agroecologist, Prescott College, Arizona  
*November 27, 2011*

Assistant Professor in Environmental Studies with an emphasis on Environmental Communication, The State University of New York College of Environmental Science and Forestry (ESF)  
*January 2, 2012*

Director of Sustainability, Kiski School, Pennsylvania  
Undergraduate degree required; master’s preferred.  
*No deadline given*

Post-Doc Fellowships, the Erb Institute, University of Michigan  
For research on sustainable enterprise (business). Must have received PhD June 1, 2010 - August 30, 2012. Annual stipend of $65,000.  
*December 16 (annual)*

Visiting Scholars Program, United Nations Institute for Natural Resources in Africa  
For research on development and management of natural resources in Africa. Must have PhD in agricultural science, economics, international relations, law, or related discipline. $1,500 monthly stipend.  
*March 15, 2012*

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**OPPORTUNITIES FOR FACULTY**

1. **Department of Energy**

**Smart Grid Data Access**, Department of Energy  
For applications aimed at empowering consumers to better manage their electricity use by enabling access to electricity consumption data by customers and their authorized third parties. $8,000,000 available in total.  
*March 1, 2012*

**Support of Advanced Coal Research at U.S. Colleges and Universities**, Department of Energy  
*December 19 (annual)*

2. **Environmental Protection Agency**

**Upcoming EPA Grants:**
- Center for Life Cycle Chemical Safety - *Opens Fall 2011*
- Center for Sustainable Molecular Design - *Opens Fall 2011*
- Tribal Environmental Health Science - *Opens November 2011*
- Sustainable Chesapeake: Community-Based Stormwater Management: *Opens November 2011*
- Linking Composition and Sources of Coarse Particulate Matter to Health Effects: *Opens November 2011*
• Children’s Environmental Health and Disease Prevention Research Center (With NIEHS) Opens November 2011
• National Center for Innovative Treatment Technology in Small Drinking Water Systems - Opens November 2011
• Anthropogenic Measurements and Modeling for Quantifying Public Health and Climatic Impacts of Residential Cooking and Heating Opens December 2011
Influences on Organic Aerosol Formation and Regional Climate Implications Opens Winter 2012

3. MSU Funding

Engaged sustainability scholarship collaborations. MSU Sustainable Michigan Endowed Project
To develop collaborations pursuing engaged sustainability scholarship in service of purposefully managing wicked problems Proposal should involve an MSU faculty member and others (faculty or students and non-faculty (e.g., civil society)). Up to $15,000 per project. Ongoing

Project GREEEN
GREEEN is Michigan’s plant agriculture industry initiative; funding priorities are listed for each industry. January 12 (annual)

Water Initiative Research Grants, ESPP and Center for Water Sciences
The Water Initiative Research Grants (WIRG) are intended to support interdisciplinary and transdisciplinary research efforts that advance water sciences (broadly defined) and lead to application for major external funding. The Center for Water Sciences and Environmental Science and Policy Program administer grants, with additional funding from Michigan AgBio Research. December 15 and April 15 annually through April 2014. (The annual April 15 call will depend on funding availability.)

Visiting Water Scholar Program, ESPP and Center for Water Sciences
The Visiting Water Scholar Program (VWSP) will bring experts to MSU for extended visits with the goal of fostering interdisciplinary or transdisciplinary initiatives through symposia, workshops, and other active engagement with researchers on campus. The Center for Water Sciences and Environmental Science and Policy Program administer grants, with additional funding from Michigan AgBio Research. October 15, December 15, April 30, July 30 (through April 2014)

4. National Science Foundation

Dear Colleague Letter - CREATIV: Creative Research Awards for Transformative Interdisciplinary Ventures, National Science Foundation
To support bold interdisciplinary projects in all NSF-supported areas of science, engineering, and education research. Only internal NSF merit review is required; proposals must be interdisciplinary and potentially transformative; requests may be up to $1,000,000 and up to five years duration. See also FAQs for CREATIV, December 1, 2011 - June 15, 2012

Partnerships for Innovation, National Science Foundation
To build innovation capacity through early support of the partnering of academic institutions with the small business sector and to accelerate innovation research by supporting existing NSF grantees that collaborate with third-parties in order to move innovations to market. Letter of intent due January 4 (required); full proposal due March 1 (annual)

Dear Colleague Letter: Describing the Conduct of Science in the Information Age, National Science Foundation
To develop research workshops that identify and develop data, models, and tools to help scientific communication and measurement of scientific activity.
August 9, 2012

Science, Technology and Society Program, NSF
For research that examines relationships between science (including engineering), technology, and society. Of particular interest: (1) How ethical issues and values interconnect with science and technology, and how norms and values institutionalized in science and technology engage with society; (2) How policy choices affect scientific and technological knowledge production and innovation, and on how scientific and technical knowledge and innovation affect policy decisions.
August 1 and February 1 (annual)

5. Other agencies (NASA, USDA, Interior, Coast Guard)

ROSES 2011: Land-Cover/Land-Use Change for Early Career Scientists, NASA
Must include social science component. Applicant must have received PhD after 2005.
Notice of Intent due (required) December 1, 2011; proposals due June 1, 2012

Biotechnology Risk Assessment Research Grants Program, USDA
For environmental assessment research concerning the introduction of genetically engineered organisms (GE) into the environment. Priority areas are: (1) Transformation-associated Mutagenesis in Plants and Variation, (2) Landscape Level Environmental Impacts of GE crops, (3) Pollen Flow and Best Management Practices for Co-existence. Biofuel crops are also a priority.
Letter of intent due December 1; proposal due February 1 (annual)

National Spatial Data Infrastructure Cooperative Agreement Program, Geological Survey
To fund innovative projects in the geospatial data community to build the infrastructure necessary to effectively discover, access, share, manage, and use digital geospatial data.
January 24, 2012

Detection of Oil Within the Water Column, US Coast Guard, Department of Homeland Security
To develop technology for sampling water to determine the extent of the plume after an oil spill.
December 15, 2011