March 13, 2012

Below please find recently-announced grant and other announcements. Previously-posted grants are available on our funding pages.

Please send us (to espp@msu.edu) information you think should be included, especially about interdisciplinary environmental conferences.

Below please find:

**Reports and announcements:** Request for books for environmental NGO

**Opportunities for students and recent graduates:** ESPP conference funding; conservation science conference; research in Antarctica and Germany; postdocs at EPA (health), Maryland (social dimensions of sustainability) and anywhere (NSF SEES fellows)

**Opportunities for faculty:**

1. **Education:** NSF Transforming Undergraduate Education, Project Kaleidoscope workshops, small citizen science grants, NSF Research in Engineering Education and Learning Centers
2. **Energy and climate:** Advanced Research Projects Agency – Energy (all energy), offshore wind, carbon sequestration, energy collaboration with Israel, Pacific Islands climate, Arctic climate
3. **NASA:** ROSES 2012: novel/rapid response earth science research, carbon monitoring, atmospheric composition, oceanography
4. **Various:** Social dimensions of environmental sustainability – workshops and sabbaticals, earthquake hazards, organic agricultural transitions, NSF ecology of infectious diseases, editor-in-chief of Conservation Letters, research in Germany or Antarctic

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**REPORTS AND ANNOUNCEMENTS**

**Call for books for NGO:** ESPP has been contacted by Ike Iyioke, a graduate student at MSU who works with an environmental NGO in Nigeria. He’s trying to collect environment-related books for the NGO’s library. His note is below. If you have books to share, you can drop them off in collection boxes at ESPP (274 Giltner) or in 316 Berkey Hall. Here’s what they’re looking for: “We'll generally want to collect more recent books (2000 and up) except for old but good ones. The library is for both the NGO staff and the public (some of whom are academics). Topics can include: (1) International environmental agreements/conventions/guidelines/laws; (2) Climate change; (3) Conservation/urban planning; (4) Environmental or man-made hazards/disasters; (5) Waste management/disposal/treatment; (6) Renewable energy.”

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**OPPORTUNITIES FOR STUDENTS AND RECENT GRADUATES**

**ESPP Interdisciplinary Conference Funding for MSU Graduate Students**
To attend conference or meetings with an interdisciplinary environmental focus. Students must present their work. Up to $750 per request. Additional funding available for specialization students.
*April 15, July 15, October 15, January 15*

**Student Conference on Conservation Science**, American Museum of Natural History
Conference connects students with professionals in conservation science. For graduate students, postdoctoral fellows, and early-career professionals involved in conservation-related course of study within the natural sciences, social sciences, or humanities. October 10-12 in New York City. $100 registration fee.
*Abstracts due April 2; registration due September 12 (annual)*
**Fellowship Scheme**, Scientific Committee on Antarctic Research (SCAR)  
For researchers to undertake short-term visits to major international laboratories, field facilities, and/or home institutions in, or operated by, SCAR Member countries. For PhD students or those who completed a PhD within 5 years. $15,000/award. 3-4 awards.  
*June 13 (annual)*

**Study and research in Germany**, German Academic Exchange Service  
Range of opportunities to help doctoral students and postdocs reach their research goals with a stay in Germany.  
*Various deadlines*

**Post-Doctoral Research Program**, National Health and Environmental Effects Research Lab, Environmental Protection Agency  
For research that contributes to protecting human health, especially research focusing on the effects of contaminants and environmental stressors on human health and ecosystems. Up to 3 years of support. $47,448-$89,450 per year.  
*February 29, June 29, or October 31 (annual)*

**The Social Dimensions of Environmental Sustainability Postdoctoral Fellows Program**, National Socio-Environmental Synthesis Center, University of Maryland  
For independent projects…focusing on the social aspects of environmental issues. Two years of support.  
*April 20 (annual)*

**Science, Engineering and Education for Sustainability Fellows**, National Science Foundation  
For work on sustainability science. Must have received doctorate within four years of application deadline. Must be United States citizens or nationals, or permanent residents of the United States (by the application deadline). Two-four years of support. 12-20 awarded.  
*December 3 (annual)*

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**OPPORTUNITIES FOR FACULTY**

1. **Education**

**Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics**  
Previously Course, Curriculum and Laboratory Improvement. Funds projects that develop faculty expertise, implement educational innovations, evaluate, prepare K-12 teachers, or research teaching and learning.  
*May 28, January 14 (annual)*

**Project Kaleidoscope (PKAL) — Advancing what works in Science, Technology, Engineering, and Math (STEM) education**, Association of American Colleges and Universities  
Five-day intensive workshops that provide early and mid-career STEM faculty with the theory and practice required to act as agents of change in their home institutions. Institute I held July 17-22, 2012 and Institute II held July 31-August 5, 2012. Fee charged.  
*April 6, 2012*

**Citizen Science - Community Involvement Today and in the Future**, Environmental Protection Agency  
For citizen science research relating to air and water pollution in New York City and the Virgin Islands. $150,000 available in total. 11 awards given.  
*April 20, 2012*

**Research in Engineering Education**, National Science Foundation
Sustainability is one focus.
*February 8, September 14 (annual)*

**Science of Learning Centers**, National Science Foundation
For learning of animals, humans and machines. For workshops, exploratory research, etc. (not centers).
*February 4, August 6 (annual)*

2. Energy and climate

**Advanced Research Projects Agency – Energy Funding Opportunity**, Department of Energy
Supports transformational research in all areas of energy R&D, including electricity generation by both renewable and non-renewable means, electricity transmission, storage, and distribution; energy efficiency for buildings, manufacturing and commerce, and personal use; and all aspects of transportation. $150 million available in total. 80 awards.
*Letter of intent due March 30, 2012; concept paper due April 12, 2012; full application TBA*

**U.S. Offshore Wind: Advanced Technology Demonstration Projects**, Department of Energy
For regionally-diverse Advanced Technology Demonstration Projects focusing on innovative offshore wind systems in U.S. waters.
*May 31, 2012*

**Technologies to Ensure Permanent Geologic Carbon Storage**, National Energy Technology Laboratory, Department of Energy
To develop technologies and simulation tools to ensure secure geological storage of carbon dioxide. $14 million available in total. 20 awards given.
*April 17, 2012*

**BIRD Energy**, Department of Energy, the Israel Ministry of Energy and Water Resources, and the BIRD Foundation
For U.S. – Israel joint renewable energy developments. Proposals must include cooperation between two companies or between a company and university/research institution and have significant commercial potential. $1,000,000 available per project.
*Executive summaries due May 3, 2012; full proposals due June 28, 2012*

**Pacific Islands Climate Change Cooperative and Pacific Islands Climate Science Center**, U.S. Fish and Wildlife Service
For projects addressing geophysical drivers of change, effects of geophysical drivers on biological and cultural resources, models of resource response to change, or tools for visualization and decision support. $1,900,000 available in total. 15 awards given.
*April 2, 2012*

**Arctic Landscape Conservation Cooperative - Addressing Climate change in the Arctic**, U.S. Fish and Wildlife Service
To develop interdisciplinary study plans integrating across one or more watersheds in Alaska, to generate improved permafrost baseline information, or to conduct a feasibility study for thermokarst monitoring at the landscape level in the Alaska portion of the ALCC. $355,000 available in total. 5 awards
*April 3, 2012*

3. NASA

For research investigating unforeseen or unpredictable Earth system events that require rapid response or novel new ideas for Earth Science Division science.
*March 31, 2013*

**ROSES 2011: Carbon Monitoring System Program**, NASA
To improve the understanding of the global carbon cycle and to quantify changes in atmospheric CO2 and CH4 concentrations. $8,000,000 total program funding. 15-40 awards given.

**April 20, 2012**

ROSES 2012: Atmospheric Composition: Modeling and Analysis, NASA
For research on the changes, trends, and effects of atmospheric composition. $2,200,000 total program funding. 10-15 awards given.

**October 1, 2012**

ROSES 2012: Physical Oceanography, NASA
For analysis and interpretation of ocean circulation using satellite and in-situ data or for exploitation of sea-surface temperature products. $1,000,000. 5-10 awards given.

Notice of intent due April 30, 2012; proposals due June 29, 2012

4. Various

The Social Dimensions of Environmental Sustainability, National Socio-Environmental Synthesis Center
Funds for sabbaticals and research teams. Must occur at University of Maryland. (For research teams, provides travel and accommodations for groups of scholars to come to the center to work on a joint project.)
Ongoing

Earthquake Hazards Program, U.S. Geological Survey
For research on earthquake occurrence and effects to provide products for earthquake loss reduction to the public and private sectors. $7 million available on total. 70-100 awards.

**May 17 (annual)**

Organic Transitions Program, National Institute of Food and Agriculture, US Department of Agriculture
To support the development and implementation of research, extension and higher education programs to improve the competitiveness of organic livestock and crop producers, as well as those who are adopting organic practices. In FY 2012, ORG will focus on environmental services provided by organic farming systems that support soil conservation and contribute to climate change mitigation. $3.75 million available in total.

**April 25, 2012**

Ecology and Evolution of Infectious Diseases (EEID)
For research on the ecological, evolutionary, and socio-ecological principles and processes that regulate the transmission dynamics of infectious diseases. Proposals for research on disease systems of public health concern to developing countries are strongly encouraged, as are disease systems of concern in agricultural and coastal marine systems.

**December 5 (annual)**

Editor-in-Chief – Conservation Letters, Society for Conservation Biology

**April 15, 2012**

Research Visit Grant & Arts Study Visit for Faculty, German Academic Exchange Service
For scholars of all disciplines to pursue research for 1-3 months at German universities or other research institutions.

**October 15 (annual)**

Antarctic Research, National Science Foundation
For research that expands fundamental knowledge of the Antarctic region or explores global and regional problems of current scientific importance.. $50,000,000 total program funding. 50 awards given.

**May 31 (annual)**