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## Newsletter for January 23, 2007

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# ANNOUNCEMENTS

## Applications for 2007 AIBS Emerging Public Policy Leader Award now available

AIBS has announced that applications for the 2007 AIBS Emerging Public Policy Leader Award (EPPLA) are now available. The EPPLA is an opportunity for graduate students in the biological sciences to receive first-hand experience in the policy arena. AIBS pays travel costs and expenses for 1-2 EPPLA recipients to participate in a Biological and Ecological Sciences Coalition Congressional Visits Day (CVD) in Washington, D.C. on April 18-19, 2007 (dates subject to change). This is an annual event that brings scientists and science educators to Washington, D.C. to raise visibility and support for the biological sciences. The EPPLA recipient(s) will attend briefings by key officials from the White House and Congress and a reception honoring members of Congress for their work on behalf of biology. Participants will also meet with members of Congress and their staff to explain the importance of federal support for scientific research. Read more on the [CfE website](#). Application available on the [AIBS website](#).

## In Recent Science News . . . Agriculture and Biodiversity

A team of scientists led by S. Butler, University of Reading, UK, studied the impact of novel farming practices on biodiversity and ecosystem services (*Science* 315, 381, 9 January 2007). They used farmland birds as a model system, and were able to predict each species' current conservation status and population growth rate associated with past changes in agriculture. They then assessed the potential impact on biodiversity of two controversial land uses, genetically modified herbicide-tolerant crops and agri-environment schemes. This trait-based approach could have a broad range of applications in agricultural ecosystems and beyond. It could contribute greatly to the economic evaluation of proposed agricultural changes that alter the functioning of ecosystem services through their impact on biodiversity. [*Science* 9 January 2007: Vol. 315. no. 5810, pp. 381 - 384] [Read the full article \(requires CU connection\) >>](#)

## In Recent Science News . . . Paleoclimate studies and role of the Asian Monsoons

The Indian Ocean Dipole (IOD) - an oscillatory mode of coupled ocean-atmosphere variability - causes climatic extremes and socio-economic hardship throughout the tropical Indian Ocean region. There is much debate about how the IOD interacts with the El Niño/Southern Oscillation (ENSO) and the Asian monsoon. Abram and colleagues presented in *Nature* a study of past

climate change in Indonesia that includes the Asian monsoon. Climate information is preserved in the geochemistry of huge, rapidly growing corals off Sumatra to study past events in the Indian Ocean. By analyzing several geochemical tracers in annually banded coral skeletons, the authors were able to reconstruct month-by-month changes in temperature and drought. The coral records and model simulations demonstrated that both ENSO and the Asian monsoon are capable of influencing drought dynamics in the eastern IOD sector. These interactions imply that the socioeconomic impacts of projected future changes in Asian monsoon strength may extend throughout Australasia. In Indonesia in particular, drought intensification could bring significant challenges to conservation management, natural resources, and on rural livelihoods. [*Nature* 445, 299-302 (18 January 2007)] [Read the full article \(requires CU connection\) >>](#)

## **AIBS Public Policy Report Headlines for January 22, 2007**

- Science community asks new Congress to support federal research funding
- Pelosi calls for increased federal funding for R&D
- Congress revisits stem cell research
- Scientists and evangelicals unite to protect the environment
- Climate change takes Congress by storm
- Year of Science 2009 and COPUS to promote public understanding of science
- Congress update
- GAO report recommends improvements for USDA management of key conservation programs
- New in Bioscience: "Post Post-Doc: Are New Scientists Prepared for the Real World?"

[Read the full report >>](#)

## **NEW GRANT AND PROJECT OPPORTUNITIES**

[Browse Complete RFP Listings >>](#)

### **New**

- [Biotechnology Risk Assessment Research Grants Program](#) (Feb 15)
- [Long Island Sound Study: Enhancement Grant Program](#) (Feb 28)
- [McCloy Fellowships in Environmental Affairs](#) (Mar 01)
- [NYSG/HRNERR: Cooperative Research Fellowship Program](#) (Mar 02)
- [EPA: Disappearing Diporeia in the Great Lakes](#) (Mar 22)
- [Los Alamos National Laboratory: Graduate Research Assistant \(GRA\)](#) (Apr 01)
- [NIH: Collaborations with Nat'l Ctrs of Biomedical Computing](#) (Apr 19)
- [Hudson River Foundation: Graduate Fellowships](#) (Apr 23)

### **Deadlines in January**

- [Great Lakes Fishery Trust \(GLFT\): Ecosystem Health & Sustainable Fish Populations](#) (Jan 23)
- [U.S. Department of Homeland Security Scholarship and Fellowship Program](#) (Jan 23)
- [Mazamas Pacific Northwest Research Grants](#) (Jan 26)
- [Health Effects Institute: Health Effects of Air Pollution](#) (Jan 31)

- [National Fish and Wildlife Foundation: Coral Reef Conservation Fund](#) (Jan 31)
- [Health Effects Institute: Pilot Studies for Junior Investigators](#) (Jan 31)
- [U.S. Fish and Wildlife Service: Coastal Program - Great Lakes](#) (Jan 31)

## Deadlines in February

- [National Academies: Postdoc & Senior Research Associateships](#) (Feb 01)
- [American Ornithologists' Union: Funding Awards](#) (Feb 01)
- [Mt. Desert Island Bio Lab, Maine \(MDIBL\): Research Awards](#) (Feb 01)
- [Harvard Forest: Mid-Career Bullard Fellowships in Forest Research](#) (Feb 01)
- [National Academies: Research Associateship Programs \(RAP\)](#) (Feb 01)
- [NIH: Small Research Grants](#) (Feb 01)
- [NIH: Metals in Medicine](#) (Feb 01)
- [NIH: Independent Scientist Award](#) (Feb 01)
- [American Orchid Society: Masters Scholarships](#) (Feb 01)
- [NIH: Microbiology Program](#) (Feb 01)
- [Marine Biological Laboratory: Summer Course Scholarships](#) (Feb 01)
- [Oak Ridge Institute: Global Change Education Program](#) (Feb 05)
- [NSF: Materials Use in Science, Engineering, and Society](#) (Feb 07)
- [Pymatuning Laboratory: Darbaker & McKinley Prizes in Botany & Ecology](#) (Feb 07)
- [NSF: Emerging Models and Technologies for Computation](#) (Feb 14)
- [USDA: Agricultural Prosperity for Small & Medium-Sized Farms NRI](#) (Feb 14)
- [NSF: Biological Oceanography](#) (Feb 15)
- [NSF: Marine Geology and Geophysics](#) (Feb 15)
- [NSF: Chemical Oceanography -](#) (Feb 15)
- [Smithsonian Tropical Research Institute: Short-Term Fellowships](#) (Feb 15)
- [Padi Foundation: Underwater Science, Environmental Projects](#) (Feb 15)
- [NSF: Developing Global Scientists & Engineers](#) (Feb 15)
- [NSF: Geoscience - Marine Geology & Geophysics](#) (Feb 15)
- [NSF: Chemical Oceanography](#) (Feb 15)
- [NSF: Civil, Mechanical and Manufacturing Innovation \(CMMI\)](#) (Feb 15)
- [Purple Martin Conservation Association: Research and Conservation Grants](#) (Feb 15)
- [NSF Geosciences: Ridge Interdisciplinary Global Experiments Program](#) (Feb 15)
- [Cornell CALS: Graduate Fellowships](#) (Feb 16)
- [Sea Grant: Fellowships in Population Dynamics & Marine Resource Economics](#) (Feb 16)
- [Sea Grant: Population Dynamics & Marine Resource Economics Grad Fellowship](#) (Feb 16)
- [NSF: International Planning Visits & Workshops](#) (Feb 20)
- [Udall Foundation: Dissertation Fellowships in Environmental Policy](#) (Feb 21)
- [Hudson River Foundation: Polgar Fellowship](#) (Feb 26)
- [EPA: Sources and Atmospheric Formation of Organic Particulate Matter](#) (Feb 27)
- [NSF: Partnerships for International Research and Education](#) (Feb 28)
- [Resources for the Future: John V. Krutella Research Stipend](#) (Feb 28)

## Deadlines in March

- [Great Lakes Commission: Basin Program for Soil Erosion & Sediment Control](#) (Mar 01)

- [Marine Biological Laboratory: NASA Planetary Biology Internship](#) (Mar 01)
- [NSF / CSREES Microbial Genome Sequencing Grants](#) (Mar 08)
- [National Fish & Wildlife Foundation: Five-Star Restoration Grants](#) (Mar 09)
- [Nat'l Fish & Wildlife Foundation \(NFWF\): 5-star Restoration Challenge Grants](#) (Mar 09)
- [MacArthur Foundation: Conservation & Sustainable Development](#) (Mar 15)
- [American Museum of Natural History: Grad & Post-Doc Grants](#) (Mar 15)
- [Mount Desert Island Laboratory: New Investigators](#) (Mar 15)
- [American Philosophical Society: Lewis and Clark Fund for Exploration and Field Research](#) (Mar 15)
- [UVA Mountain Lake Biological Station Summer Graduate Fellowships](#) (Mar 15)
- [NSF: Earth Sciences, Instrumentation & Facilities](#) (Mar 20)
- [CU Sigma Xi: Graduate Student Grants](#) (Mar 30)
- [Great Lakes Commission: Ratza Scholarship](#) (Mar 31)

## Deadlines in April

- [National Fish & Wildlife Foundation/Walmart: Acres for America Initiative](#) (Apr 01)
- [Lincoln Institute of Land Policy: Research Fellowships in Planning and Development](#) (Apr 01)
- [NIH Manufacturing-related Biomedical Research SBIR/STTR Grants](#) (Apr 01)
- [Trans-NIH Consortium \(BECON\): Bioengineering Nanotechnology \(STTR\)](#) (Apr 01)
- [William P. Wharton Trust](#) (Apr 01)
- [NSF: Integrated Grad Education & Research Training \(IGERT\)](#) (Apr 05)
- [Sea Grant/NOAA: Knauss Marine Policy Fellowship](#) (Apr 05)
- [Munson Foundation Grants](#) (Apr 07)
- [Earthwatch Institute: Field-based Research Grants](#) (Apr 15)
- [National Fish and Wildlife Foundation: Budweiser Conservation Scholarship](#) (Apr 16)

## SELECT SEMINARS AND CAMPUS EVENTS

### Mondays

- **Horticulture Seminars:** 11:15 AM Mondays in Whetzel Room, Plant Science 404 - [Online Schedule](#)
- **Biochemistry, Molecular and Cell Biology Seminars:** 12:20 PM Mondays in G-O1 Biotechnology Building - [Online Schedule](#)
- **Ecology and Evolutionary Biology Seminars:** 12:30 PM Mondays in A106 Corson Hall, Morison Seminar Room - [Online Schedule](#)
- **Entomology Seminars:** 3:30 PM Mondays in Corson-Mudd Auditorium - [Online Schedule](#)
- **Laboratory of Ornithology Seminars:** 7:30 PM Mondays in the Lab of Ornithology Auditorium - [Online Schedule](#)

### Tuesdays

- **Plant Breeding and Genetics Seminars:** 12:20 PM Tuesdays in 135 Emerson Hall - [Online Schedule](#)

- **Natural Resources Seminars:** 3:30 PM Tuesdays in 304 Fernow Hall - [Online Schedule](#)
- **Biomedical Sciences Seminars:** 4:00 PM Tuesdays in Lecture Hall III, Veterinary Research Tower - [Online Schedule](#)

## Wednesdays

- **CIIFAD Seminars:** 12:20 PM Wednesdays in 135 Emerson Hall - [Online Schedule](#)
- **Genetics and Development:** 12:20 PM Wednesdays in GO1 Biotechnology Building - [Online Schedule](#)
- **Earth and Atmospheric Sciences Seminars:** 3:30 PM Wednesdays in 2146 Snee Hall or 1102 Bradfield Hall - [Online Schedule](#)
- **Biophysics Colloquia:** 4:30 PM Wednesdays in 700 Clark Hall - [Online Schedule](#)

## Thursdays

- **Crop and Soil Sciences Seminars:** 12:20 PM Thursdays in 135 Emerson Hall - [Online Schedule](#)
- **Civil and Environmental Engineering Seminars:** 4:30 PM Thursdays in 366 Hollister Hall - [Online Schedule](#)

## Fridays

- **Biogeochemistry and Environmental Biocomplexity Seminars:** 4:00 PM Fridays Morison Room, Corson Hall - [Online Schedule](#)
- **Molecular Biology and Genetics Seminars:** 4:00 PM Fridays in G10 Biotechnology Building - [Online Schedule](#)

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