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Newsletter for February 27, 2007

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In Recent Science News . . . Sea Change driven by Climate

Ecosystems along the continental shelf waters of the Northwest Atlantic Ocean are experiencing rapid and significant changes. Charles Greene, director of the Ocean Resources and Ecosystems Program in Cornell's Department of Earth and Atmospheric Sciences, explains that although the decline of cod from overfishing has played a role in the ecosystem shift, climate changes are another major contributor. Since the late 1980s, pulses of freshwater from the Arctic have led to the freshening of seawater along the Northwest Atlantic shelf. This fresher, less dense water remains relatively shallow for a longer period of time, allowing for growth in both the phytoplankton and zooplankton populations during the autumn. Greene concludes, "We suggest that, with or without the collapse of cod, a bottom-up, climate driven regime shift would have taken place in the Northwest Atlantic during the 1990s." [*Science* 23 February 2007: Vol. 315. no. 5815, pp. 1084-1085]

[Read the full article \(requires CU connection\) >>](#) or [Read the Cornell Chronicle article >>](#)

NEW GRANT AND PROJECT OPPORTUNITIES

[Browse Complete RFP Listings >>](#)

New

- [Tree Research and Education Endowment Fund: John Z. Duling Grant Program](#) (May 01)
- [Camille and Henry Dreyfus Foundation Environmental Chemistry Postdoctoral Fellowship Program](#) (May 24)
- [NIH: Molecular Probes for Microscopy of Cells](#) (May 25)

Deadlines in February

- [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)
- [Long Island Sound Study: Enhancement Grant Program](#) (Feb 28)
- [Social Science Fellowships in the National Estuarine Research Reserve System](#) (Feb 28)
- [DHS: Center of Excellence for the Study of Natural Disasters, Coastal Infrastructure and Emergency Management](#) (Feb 28)

Deadlines in March

- [U. Michigan Biological Station: Biosphere Atmosphere Research and Training](#) (Mar 01)

- [Fulbright \(New Zealand\): Axford Fellowships in Public Policy](#) (Mar 01)
- [Great Lakes Commission: Basin Program for Soil Erosion & Sediment Control](#) (Mar 01)
- [Great Lakes Commission: Basin Program Water Quality Grants](#) (Mar 01)
- [NATO: Science for Peace Programme](#) (Mar 01)
- [Tinker Foundation Institutional Grants](#) (Mar 01)
- [Marine Biological Laboratory: NASA Planetary Biology Internship](#) (Mar 01)
- [McCloy Fellowships in Environmental Affairs](#) (Mar 01)
- [AERA: Research and Dissertation Grants Program](#) (Mar 01)
- [Social Science Research Council: Dissertation Proposal Development Fellowship](#) (Mar 01)
- [NYSG/HRNERR: Cooperative Research Fellowship Program](#) (Mar 02)
- [USDA: Scientific Cooperation Research Program with China](#) (Mar 02)
- [Sandy Creeks Ecosystem-based Management Stakeholder Outreach](#) (Mar 05)
- [NSF: Partnerships for Enhancing Expertise in Taxonomy \(PEET\)](#) (Mar 05)
- [NSF / CSREES Microbial Genome Sequencing Grants](#) (Mar 08)
- [National Fish & Wildlife Foundation: Five-Star Restoration Grants](#) (Mar 09)
- [CU Biogeochemistry & Environmental Biocomplexity: Small Grants](#) (Mar 09)
- [EPA: 2007 Schools Chemical Cleanout Campaign](#) (Mar 14)
- [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)
- [The World Bank in Vietnam: Small Grants Program 2007](#) (Mar 15)
- [EPA: Healthy Communities Grant Program](#) (Mar 16)
- [NSF: Earth Sciences, Instrumentation & Facilities](#) (Mar 20)
- [EPA: Disappearing Diporeia in the Great Lakes](#) (Mar 22)
- [CU Sigma Xi: Graduate Student Grants](#) (Mar 30)
- [Great Lakes Commission: Ratza Scholarship](#) (Mar 31)
- [New York State Wildlife Grants Program](#) (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)
- [Los Alamos National Laboratory: Graduate Research Assistant \(GRA\)](#) (Apr 01)
- [William P. Wharton Trust](#) (Apr 01)
- [EPA: National Community-Based Lead Outreach and Training Grant Program](#) (Apr 02)
- [EPA: Pollution Prevention Grants Program](#) (Apr 02)
- [NSF: Integrated Grad Education & Research Training \(IGERT\)](#) (Apr 05)
- [Sea Grant/NOAA: Knauss Marine Policy Fellowship](#) (Apr 05)
- [Munson Foundation Grants](#) (Apr 07)

- [EPA: Community Action for a Renewed Environment Program](#) (Apr 09)
- [Earthwatch Institute: Field-based Research Grants](#) (Apr 15)
- [National Fish and Wildlife Foundation: Budweiser Conservation Scholarship](#) (Apr 16)
- [Health Effects Institute: Health Effects of Air Pollution](#) (Apr 18)
- [Health Effects Institute: Pilot Studies for Junior Investigators](#) (Apr 18)
- [NIH: Collaborations with Nat'l Ctrs of Biomedical Computing](#) (Apr 19)
- [Hudson River Foundation: Graduate Fellowships](#) (Apr 23)
- [NSF: Cellular and Biomolecular Engineering](#) (Apr 30)

Deadlines in May

- [NIH: Bioengineering Research Grants \(BRG\)](#) (May 01)
- [NIH/NCRR: Development of Nonmammalian Models and Related Biological Materials for Research](#) (May 01)
- [Canon National Parks: Science Scholars Program for the Americas](#) (May 03)
- [NSF Undergraduate Education: Course, Curriculum, and Laboratory Improvement](#) (May 08)
- [NSF: Coupling, Energetics, & Dynamics of Atmospheric Regions \(CEDAR\)](#) (May 10)
- [NIH/NIEHS: Ruth L. Kirschstein National Research Service Awards](#) (May 10)
- [Smithsonian Tropical Research Institute: Short-Term Fellowships](#) (May 15)
- [Horticulture Research Institute: Research Grants](#) (May 15)
- [NOAA: Caribbean Marine Research Center](#) (May 15)
- [NIH: Pharmacogenetics of Flouride](#) (May 15)
- [NOAA: National Undersea Research Program](#) (May 15)
- [NIH/NIEHS: Community Participation in Research](#) (May 17)
- [NSF: International Planning Visits & Workshops](#) (May 20)

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

- **Genetics and Development:** 12:20 PM Wednesdays in GO1 Biotechnology Building - [Online Schedule](#)
- **CIIFAD Seminars:** 12:20 PM Wednesdays in 135 Emerson Hall - [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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