

Jigsaw



Jigsaw – A technique for Student-Active Learning
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Photo Credit from EcoEdDL

[An adult snow petrel \(*Pagodroma nivea*\) roosts on its nest among boulders in Antarctica.](#)
By Christophe Barbraud.

News

Recently published in EcoEdDL:

Photo Collection: [Effects of frost on wildflowers: an unexpected consequence of climate change.](#) By David Inouye, University of Maryland College Park. 19 images and graphs.



Activity: [One McBug Burger Please: Eating insects in ecology class to contextualize climate change discussion.](#) By Romi Burks, Southwestern University.



Syllabus: [New Resource Type! BIO 344 - Ecology at Wilkes University.](#) By Ken Klemow, Wilkes University.

Issues in Ecology #15: [Excess Nitrogen in the U.S. Environment: Trends, Risks, and Solutions.](#)

National Parks Summit

Nearly 400 leaders from conservation, philanthropy, recreation, tourism, education, health, and economic development convened in Washington DC for America's Summit on National Parks: Taking Action for a New Century. The discussion featured A Call to Action, the 5-year action plan (August 2011) of the National Park Service, which will celebrate its centennial in 2016.

EHRC Diversity Award Call for Nominations

ESA's Education and Human Resources Committee (EHRC) is seeking nominations for the annual EHRC Diversity Award. **Nominations should be submitted by January 31** with a nominating letter and supporting documentation (such as the nominee's CV and letters of support from students, postdocs and/or colleagues) to Julie Reynolds, EHRC Diversity Award Committee Chair, at julie.a.reynolds@duke.edu.

Reports

[Rio+20: United Nations Conference on Sustainable Development](#)

The December issue of the Rio+20 Newsletter focuses on water resources (link opens a

Upcoming Events

[ASM Biology Scholars Program](#)

Applications due between February and March for residencies on Transitions, Research, and Assessment.

[Ecological Research As Education](#)

[Network Meeting.](#) Deadline February 1.

[Institute on Integrative Learning and the Departments: Faculty Leadership for the 21st Century.](#)

July 11-15 at the University of Vermont. Applications due March 16.

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[Digital Resource Discovery \(DRD\) Project](#)

[Botanical Society of America](#)
[Society for the Study of Evolution](#)
[Society for Economic Botany](#)
[Science Pipes, Cornell University](#)

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[Data for the Ecology Classroom Advisory \(DECA\) Panel](#)

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PDF).

Report: UN Commission on Sustainable Development Education Working Group

The UN CSD Education Working Group (November 2011) calls for institutionalizing “learning systems” that will bridge knowledge gaps across fields, sectors and structures in the effort to inform decision-making (link opens a PDF).

Resources

National Center for Science Education (NCSE) Tools for Educators

NCSE has made available a suite of resources to help educators teach students about basic scientific concepts related to climate science and climate change.

Monitoring the Climate System with Satellites

The COMET Program has made available a 2-hour educational module on the use of satellites for monitoring Essential Climate Variables (ECVs). Module requires Flash Player version 9 to view. Log-in required.

CAMEL: Climate, Adaptation, Mitigation and E-Learning

CAMEL is a free online tool for educators to teach about climate change causes, consequences, solutions and actions. Choose from a variety of multimedia teaching resources, build a website, and collaborate on curricula with other educators.

Association of American Geographers: Center for Global Geography Education

The CGGE offers undergraduate course modules that relate geography to social and environmental issues such as Climate Change, Water Resources, Population & Natural Resources, and Migration.

Made possible by:



Courtney Sperger (undergrad), Wilkes Univ.

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