



Jigsaw – A technique for Student-Active Learning
Published by ESA Department of Education and Diversity Programs

July 2011

Vol. 1 Issue 4

PHOTO CREDIT FROM EcoEdDL

[Grassland in the Valle Grande, Valles Caldera National Preserve, New Mexico, near sunrise](#) by Douglas E. Norris.

ESA NEWS

The ESA 96th Annual Meeting is right around the corner...

August 7-12 in Austin, TX:

Earth Stewardship: Preserving and enhancing the earth's life-support systems

View the [general schedule of events](#)

View all [education-related sessions](#)

Don't miss the [Resources for Ecology Education: Fair and Share \(REEFS\)](#)

Monday August 8, 10:00am-11:30am

Registration ends soon! [Register](#) for these featured sessions by Friday, July 29:

[WK-19 Student-Active Teaching Approaches – \\$20](#)

Sunday August 7, 1-5pm

[WK 21 – Learn How to Publish In EcoEd DL, ESA's Digital Teaching Library - \\$25](#)

Tuesday August 9, 11:30am-1:15pm

2011 ESA Education and Human Resources Committee (EHRC)

Diversity Award Winner Named

We are pleased to announce that [Dr. Ivette Perfecto](#), a full professor in the University of Michigan's School of Natural Resources, has won the 2011 EHRC Diversity Award. Dr. Perfecto is being honored both for her prestigious career, which has spanned disciplines in ecology, conservation and environmental studies; and for her strong commitment to diversity, collaboration, and mentorship in higher education.

REPORTS

Just Published: The National Academies' Conceptual Framework for New K-12 Science Education Standards

On July 19, the National Academies Press released the report [“A Framework for K-](#)

COMING EVENTS

July 24-28 is ChemEd 2011

near, Western Michigan University is **g ChemEd**, a conference for chemistry educators. The conference is based on teaching techniques and innovations in the chemistry classroom and laboratory. [Find out more about activities, hops, and other events.](#)

EcoEdDL STEWARDS

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Resource Discovery (DRD) Project

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[12 Science Education: Practices, Crosscutting Concepts, and Core Ideas.”](#)

Intended to inform science curriculum developers and science education assessment and standards, the report is focused on three main dimensions: Scientific and engineering practices, crosscutting concepts (such as cause-and-effect, and patterns) and disciplinary core ideas.

RESOURCES



NSF Long Term Ecological Research (LTER) Study is First to Show Link between Landscape Simplification and Increased Pesticide Use

A long-term study from one of NSF's Kellogg Biological Station sites in Michigan suggests that the decreased species diversity of agricultural croplands leads to increased numbers of crop pests, and, in

turn, greater pesticide use. The data, published in the *Proceedings of the National Academy of Sciences*, are the first to conclusively support the suspected link between landscape simplification and pesticide use. According to the [full article](#), greater crop acreage contributes to this phenomenon by simultaneously expanding the habitat of common crop pests, and reducing the habitat of the predators of those pests. (Photo Credit: [NSF.gov](#))

Geo-Immersion: the Maps of the Future

Tools like Google maps have changed how we travel by allowing us to view places all over the world in precise detail. Yet by blending real-time data and social networks with geographic maps, Cyrus Shahabi of the University of Southern California has further integrated the real and the virtual by allowing users to perceive the real-life circumstances of a geographic area. As director of USC's NSF-supported Integrated Media Systems Center, Shahabi is working on several Geo-Immersion projects that integrate current and historical data to yield visual information about traffic, bus schedules, surveillance, energy use, and much more. [Watch the video!](#)

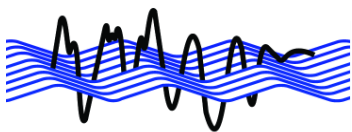
Updated Science Literacy Maps at DLESE

The Digital Library for Earth Systems Education (DLESE) has updated its [collection of science literacy maps](#) for both teachers and students at the K-12 level.

ACOUSTIC ECOLOGY RESOURCES

Discovery of Sound in the Sea

D•O•S•I•T•S



Check out [Discovery of Sound in the Sea](#), a website run by the University of Rhode Island Graduate School of Oceanography Office of Marine Programs. The site focuses on the use of sound to explore ocean environments; it provides information on the science of sound, and the various uses of sound by animals and humans. The site provides a range of multimedia education materials for undergraduates and teachers, including tutorials, activities, presentations, audio galleries and more.

or the Ecology Classroom Advisory (EC) panel

Klemow (chair), Wilkes University
J. Abraham, Hampton University
McLinn, Cornell Lab of Ornithology
aut, City College of San Francisco
novan, University of Pittsburgh
Brown, Nazareth College
Fernández del Viso, UPR--Humacao
ey Sperger (undergrad), Wilkes Univ.

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DC Randle, St. Francis High School
George Middendorf, Howard University
Jeff Corney, University of Minnesota
Julie Reynolds, Duke Univ. (Edu. Sect.)
Ken Klemow, Wilkes University
Leanne Jablonski, Marianist EE Ctr. (EJ Sect.)
Mimi E. Lam, UBC Fisheries Ctr. (TEK Sect.)
Rachel Muir, U.S. Geological Survey
Samir Doshi, Queen's University
Sonia Ortega, NSF

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mith
ation Programs Coordinator
Mourad
tor of Education and Diversity Programs

Acoustic Ecology Institute



The [Acoustic Ecology Institute](#) is a Santa Fe, New Mexico-based nonprofit dedicated to providing research, news, and educational resources about the science of sound and “**soundscapes**.” The website provides access to CDs, essays, exercises, worksheets, and other educational tools to use in teaching and learning about the role of sound and listening in nature and society.

Urban Sound Ecology in Vancouver

This [article](#) from Vancouver’s *The Georgia Straight* showcases a project called **Urban Sound Ecology**, an archive of urban “soundwalks” accompanied by maps indicating where each recording was made. Having recently expanded the project from Toronto to include Vancouver, founder Max Ritts hopes that the archive will provide sound-based experiences of a city’s changing natural, social, and political environments.

Made possible by:



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WHERE DISCOVERIES BEGIN

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