

In this issue:

I. Greetings from the EREN Coordinator's Office

II. Announcements

III. Get to Know the Network: a breakdown of membership data

-a. Institutions and faculty members by state or province

-b. Distribution of network institutions

-c. Areas of research interest

-d. Ecoregions in EREN

IV. Member Biography:

David Bowne

V. The Ecologist's Toolbox

VI. Upcoming Events and Meetings of Interest

I. Greetings from the EREN Coordinator's Office

Happy Earth Day EREN Members! This newsletter is all about YOU and as you read we hope you enjoy discovering where EREN members are located in terms of both political boundaries and ecoregions, and the range of scientific expertise you collectively represent. Maybe some collaborative experiments will occur to you as you consider this information! We also hope that you notice gaps in our geographic/ecoregion/expertise coverage and that you will endeavor to fill those gaps by telling your colleagues about EREN and encouraging them to join, for free, on our web page. Also, we thank you for sharing your opinions about the EREN organization in its first year through our recent survey, and look forward to using your feedback to improve and evolve. Finally, we hope to see some of you at our workshop at the Ecological Society of America Annual Meeting in August. This workshop will focus on EREN research/education projects that you can join, and will include time for you to begin brainstorming your own large-scale, collaborative projects. See below for how to sign up!

Thank you for devoting some of your precious time to EREN – we really value your participation, and look forward to continuing and expanding our work with you.

Laurie Anderson
EREN Coordinator
Ohio Wesleyan University

II. Announcements

EREN to Hold Workshop at ESA Meeting (Austin, TX)

Sunday August 7, 2011

10:00AM-3:00PM

EREN will be hosting a workshop at the Ecological Society of America's 96th annual meeting, which will be held in Austin, TX, August 7-12, 2011. The workshop, titled *Developing Collaborative Research Projects in the Ecological Research as Education Network (EREN)*, will be held on the first day of the meeting, Sunday August 7th, from 10:00AM-3:00PM. Registration will cost \$5.00, which includes lunch. For further details, check the ESA website: <http://www.esa.org/austin/>

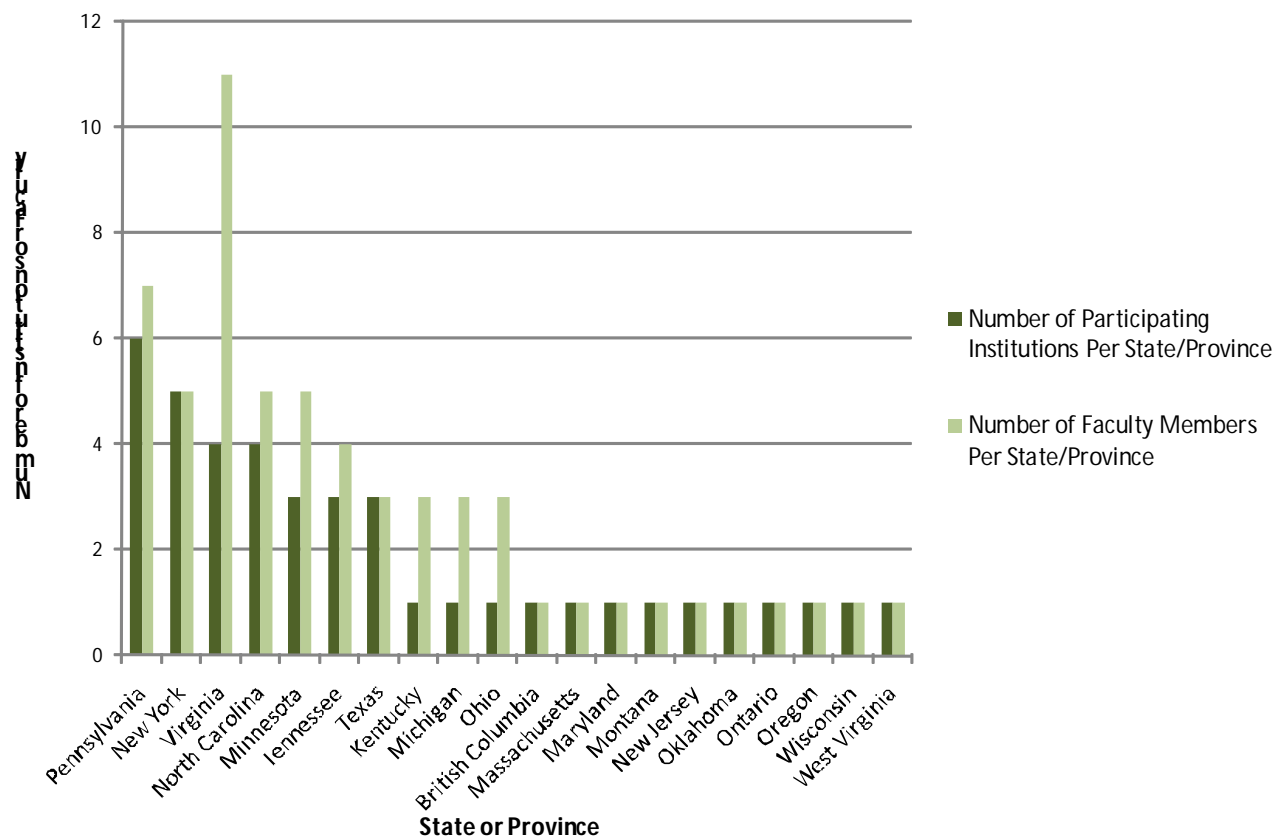
Further workshop information will be posted to the EREN web page as it becomes available at <http://erenweb.org>.

III. Get to Know the Network

A breakdown of EREN membership data

a. EREN Institutions and Faculty by State or Province

The Ecological Research as Education Network comprises 59 faculty at 41 institutions in 18 U.S. states and 2 Canadian provinces.



Note: Some institutions have multiple participating faculty members.

b. Geographic Distribution of Network Institutions

State or Province	Institution Names	Number of Members	State or Province	Institution Names	Number of Members
Alabama	none	none	North Carolina	-Brevard College	1
Alaska	none	none		-Elon University	1
Arizona	none	none		-Meredith College	2
Arkansas	none	none		-U. of North Carolina, Asheville	1
California	none	none	North Dakota	none	
Colorado	none	none	Ohio	-Ohio Wesleyan University	3
Connecticut	none	none	Oklahoma	-Rogers State University	1
Delaware	none	none	Oregon	-Portland State University	1
Florida	none	none	Pennsylvania	-Chatham University	1
Georgia	none	none		-Elizabethtown College	2
Hawaii	none	none		-Moravian College	1
Idaho	none	none		-Robert Morris University	1
Illinois	none	none		-Swarthmore College	1
Indiana	none	none		-Washington and Jefferson College	1
Iowa	none	none	Rhode Island	none	none
Kansas	none	none	South Carolina	none	none
Kentucky	-Northern Kentucky University	3	South Dakota	none	none
Louisiana	none	none	Tennessee	-Belmont University	2
Maine	none	none		-Lincoln University	1
Maryland	-Mt. St. Mary's University	1		-Sewanee: The U. of the South	1
Massachusetts	-Mt. Holyoke College	1	Texas	-Southwestern University	1
Michigan	-Hope College	3		-Trinity University	1
Minnesota	-Macalester College	3		-U. of Texas Pan-American	1
	-Minnesota State U., Moorhead	1	Utah	none	none
	-St. Olaf College	1	Vermont	none	none
Mississippi	none	none	Virginia	-Emory and Henry College	1
Missouri	none	none		-Ferrum College	8
Montana	-U. of Montana Western	1		-Roanoke College	1
Nebraska	none	none		-University of Mary Washington	1
Nevada	none	none	Washington	none	none
New Hampshire	none	none	West Virginia	-West Virginia Wesleyan College	1
New Jersey	-Rider University	1	Wisconsin	-Carthage College	1
New Mexico	none	none	Wyoming	none	none
New York	-Bard College	1			
	-Cornell University	1	<i>Canadian Provinces:</i>		
	-Pratt Institute	1	British Columbia	-University of the Fraser Valley	1
	-SUNY College at Old Westbury	1	Ontario	-Brock University	1
	-Union College	1			

c. Areas of Research Interest *As Self-Reported by EREN Members*

Apple snails	Marine ecology
Aquatic ecology	Materials science
Aquatic invertebrates	Mating system evolution
Aquatic microbial ecology	Medical and general entomology
Biochemical responses in plants to environmental stress	Microbial and nematode diversity in soil
Biodiversity	Morphology
Biogeochemistry	Nanotechnology
Botany	Native plants used in horticulture
Cellular/molecular biology	Nutrient dynamics in streams and lakes
Chemistry education	Physiological ecology (vertebrate ectotherms)
Climate change	Plant-animal interactions
Community ecology	Plant community ecology
Conservation biology	Plant ecology
Decomposition	Plant ecophysiology
Dendrochronology	Plant evolutionary ecology
Desert ecosystems	Plant-insect interactions
Diversity and ecosystem functioning	Plant phenology
Ecological and evolutionary modeling	Plant physiological ecology
Ecological assessments	Plant population biology
Ecological restoration	Plant-soil interactions
Ecology	Population genetics
Ecology education	Science education
Ecosystem ecology	Seed dispersal and pollination mutualisms
Ecosystem functioning	Silviculture
Ecotaxonomy	Soil ecology
Emergence in soil systems	Spatial ecology
Entomology	Spatial population
Environmental science	Stream ecology
Evolutionary ecology	Succession monitoring
Floodplain ecosystem ecology	System stability
Firefly biology	Taxonomy
Fisheries	Terrestrial ecology
Forest ecology	Tropical community ecology
Forest management	Tropical forests
Fungal ecology	Urban ecology
Global change	Urban forestry
Habitat mapping	Vertebrate ecology and behavior
Host-parasite ecology	Water chemistry
Infectious disease	Water quality
Invasive species, dynamics, and impacts	Watershed science and analysis
Landscape ecology	Wetland ecology
Land use change	Wildlife
Limnology	

d. Ecoregions in EREN: 10 total

Bailey's Ecoregion Province	Institution	Bailey's Ecoregion Province	Institution
Eastern Broadleaf Forest (Oceanic) 16 sites	-Bard College		-Ohio Wesleyan University
	-Chatham University		-St. Olaf College
	-Elizabethtown College	Central Appalachian Broadleaf Forest-Coniferous Forest-Meadow	-Brevard College
	-Lincoln Memorial University	5 sites	-Emory & Henry College
	-Moravian College		-Ferrum College
	-Mount Holyoke College		-Roanoke College
	-Mount St. Mary's University		-University of North Carolina Asheville
	-Pratt Institute	Coniferous-broadleaved semi-evergreen forests	-Elon University
	-Rider University	3 sites	-Meredith College
	-Robert Morris University		-University of Mary Washington
-Sewanee: The University of the South	Forest-steppes and prairies	-Minnesota State University Moorhead	
-SUNY College at Old Westbury	2 sites	-Rogers State University	
-Swarthmore College	Laurentian Mixed deciduous-coniferous forests	-Brock University	
-Union College	2 sites	-Cornell University	
-Washington & Jefferson College	Pacific Lowland Mixed Forest Province	-Portland State University	
-West Virginia Wesleyan College	2 sites	-University of the Fraser Valley	
Eastern Broadleaf Forest (Continental) 7 sites	-Belmont University	Southwest Plateau and Plains Dry Steppe and Shrub	-The University of Texas-Pan American
	-Carthage College	2 sites	-Trinity University
	-Hope College	Prairies and savannahs	-Southwestern University
	-Macalester College	1 site	
-Northern Kentucky University	Southern Rocky Mountain Steppe-Open Woodland-Coniferous Forest-Alpine Meadow	-The University of Montana Western	
	1 site		

Thank you to Karen Kuers for her help determining the ecoregions, based upon latitudes and longitudes in ArcGis 9.3.

A layer was created with the latitude and longitude values and it was overlaid on the Bailey's ecoregions shapefile.

The shapefile for Bailey's ecoregions was obtained from the following website:

<http://www.fs.fed.us/rm/ecoregions/products/map-ecoregions-north-america/>.

In at least one instance an institution is on the boundary between two Provinces and the author made a judgment call as to the most appropriate Province.

IV. Member Biography

David Bowne

David R. Bowne, founding member of EREN and lead scientist for the project "Population Structure of Freshwater Turtles across an Urbanization Gradient," is an Assistant Professor in the Department of Biology at Elizabethtown College in Elizabethtown, PA. Bowne teaches general ecology, conservation biology, geographic information systems, introductory biology, and environmental science for non-majors. He enjoys writing short stories and uses these narratives in class to foster greater understanding and personal appreciation of ecological concepts. His research focuses on the spatial aspects of ecological processes. He has a long-term project (13 years and counting) on the population dynamics of painted turtles inhabiting a pond complex in northern Virginia. He and his students are currently studying the effects of a stream restoration project on amphibians, the age structure of turtles on the Elizabethtown College campus, factors influencing antibiotic resistance in soil bacteria, and the impact of land use on rates of carbon dioxide flux from soil.

Bowne earned a B.S in Natural Resource Management from Rutgers University, a M.S. in Conservation Ecology and Sustainable Development from the University of Georgia, and a Ph.D. in Environmental Sciences from the University of Virginia. He was a visiting professor at the University of Richmond and Franklin & Marshall College before arriving at Elizabethtown College.

V. The Ecologist's Toolbox

In this section we encourage our members to share "tricks of the trade" that have helped them be more efficient and productive in the teaching/research missions we pursue. If you have a tip to share for the next newsletter, please send it to erenteam@gmail.com along with your name and affiliation so we can credit you properly!

VI. Upcoming Events and Meetings of Interest

Gateways to Best Practices for Undergraduate Research Program Directors *Sponsored by the Council on Undergraduate Research*

June 14-16, 2011

Washington University, St. Louis, MO

More information: <http://www.cur.org/urpd2011.html>

EREN Founders Meeting with NEON

June 29-July 1, 2011

Boulder, CO

Check the following link regularly for updates:

<http://erenweb.org/about/upcoming-events/>

Ecological Society of America 96th Annual Meeting*

August 7-12, 2011

Austin Convention Center, Austin, TX

More information: <http://www.esa.org/austin>

**EREN workshop to be held on Sunday August 7th, 10:00AM-3:00PM.*

Register through the ESA web page!

American Geophysical Union Fall Meeting

December 5-9, 2011

San Francisco, CA

More information: <http://www.agu.org/meetings/>

4th International EcoSummit on Ecological Sustainability, 2012

September 30-October 5, 2012

Columbus, OH

More information: <http://www.ecosummit2012.org/index.htm>