

# CONFERENCE ANNOUNCEMENT

ECO PARTNERSHIP  
for ENVIRONMENTAL  
SUSTAINABILITY

## CRITICAL ZONE SCIENCE, SUSTAINABILITY AND SERVICES IN A CHANGING WORLD

**Thurs.-Sat., Oct. 22-24, 2015**  
Beck Agricultural Center, Purdue University, West Lafayette, Indiana

**Tues.-Weds., Oct. 20-21, 2015**  
CUAHSI Training Short Course on "The Role of Runoff and Erosion on Soil Carbon Stocks: from Soils to Landscapes"

*Hosted by the U.S.-China EcoPartnership for Environmental Sustainability (USCEES), and the Cross-CZO Working Group on Organic Matter of the U.S. Critical Zone Observatories Network.*

### OVERVIEW

Rapid growth in human population, changing consumption patterns, and climate change are intensifying pressures on the Earth's "Critical Zone" (CZ), the thin surface layer from the top of vegetation to the bottom of aquifers, especially in emerging economies such as China. This conference and workshop will bring together and leverage the U.S.-China bi-national research community of the U.S.-China EcoPartnership for Environmental Sustainability (USCEES), members of the U.S. Critical Zone Observatories (US-CZO) network, and other invited guests to address key aspects of CZ function and the threats to its sustainable use. This conference represents an ideal opportunity to address global challenges to critical zone function, and to identify and discuss common questions and supporting measures to facilitate networked critical zone research with specific focus on systems in the U.S. and China.

### SHORT COURSE AND WORKING GROUPS

In conjunction with the 5th Annual conference of the USCEES, the Cross-CZO Working Group on Organic Matter of the U.S. Critical Zone Observatories network will run their 2015 workshop on "Flux, Stabilization and Reactivity of Organic Matter in the Critical Zone" with the goal of discussing scientific findings and making recommendations for common measurements, common methods, common laboratories, common experiments and common questions to support cross U.S.-CZO and international CZ science.

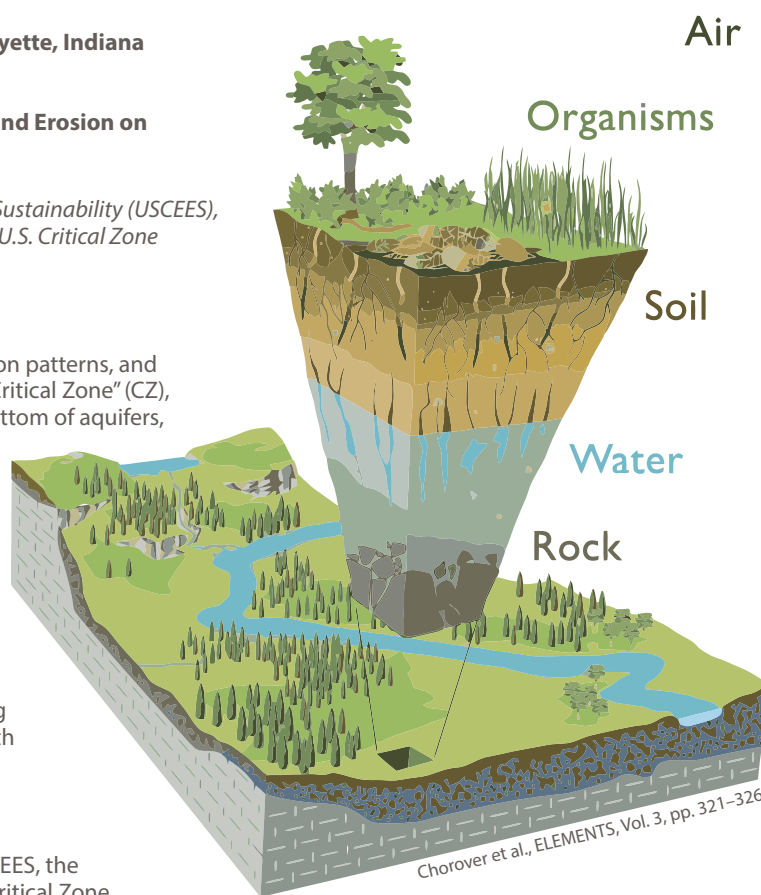
Additionally, we will host an instrument training short course sponsored by the Consortium for the Advancement of Hydrologic Science Inc. (CUAHSI) on "The Role of Runoff and Erosion on Soil Carbon Stocks: From Soils to Landscapes" for graduate students and post-doctoral researchers. This CUAHSI short course will run from October 20-21 at Purdue University.

**Open Registration will begin July 20, 2015.**

[www.conf.purdue.edu/criticalzones](http://www.conf.purdue.edu/criticalzones)

### FOR MORE INFORMATION

U.S.-China EcoPartnership for Environmental Sustainability at  
Discovery Park's Global Sustainability Institute  
English Language - [www.purdue.edu/discoverypark/ecopartnership/](http://www.purdue.edu/discoverypark/ecopartnership/)  
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