

2012 AERC Congressional Briefing

(Final Program)

Theme: The Role of Ecosystem Science in National Security

Time/Location: Thursday October 18, 2012, 9:30 AM, Rayburn House Office Building, Rm. 2325

Program: Building on last year's briefing topic of *Benefits of Ecosystem to Humans in the 21st Century* in which the theme focused on the benefits that ecosystems provide society; sometimes referred to as "ecosystem services", this year's Briefing will address on ***The Role of Ecosystem Science to National Security***. Presentations by nationally recognized experts with focus on the importance of ecosystem science to 1) water security, 2) food security, 3) energy security, and 4) disease transmission. These presentations will be interdisciplinary in scope and will couple the natural sciences that are the core of ecosystem research with their connections to social issues important to the future of this country and the world.

Welcome and Introduction

David E. Smith Ph.D., President of the Association of Ecosystem Research Centers (AERC)

Title: Human Ecology, Human Resilience, Human Security

Howard Passell, Len Malczynski, Marissa Reno, Daniel Villa

Presented by: Howard Passell Ph.D., Sandia National Laboratory, Albuquerque, New Mexico

Title: Societal Reliance on the Global Freshwater Resources

Presented by: Paolo D'Odorico Ph.D., Department of Environmental Sciences, University of Virginia

Title: The Role of Ecosystem Science in Food Security

Presented by: Molly E. Brown Ph.D., Biospheric Sciences Branch, NASA Goddard Space Flight Center

Title: Environmental Consequences of Past and Future Energy Production in the United States

Presented by: Avner Vengosh Ph.D., Nicholas School of the Environment, Duke University

Title: Environmental Change, Infectious Disease, and Biosecurity

Presented by: Richard S. Ostfeld Ph.D., Cary Institute of Ecosystem Studies

Discussion and Questions