



The Earth Institute Fellows Symposium

Meeting the Challenges of Sustainability in a Changing World

Tuesday, November 10, 2009
1:00 to 3:00 p.m.
Columbia University
Alfred Lerner Hall
Satow Room

The Earth Institute Fellows Program is the premier postdoctoral program for those seeking a better understanding of critical scientific and social issues in sustainable development. The program provides postdoctoral scholars with an opportunity to enhance their foundation in one of the Earth Institute's core disciplines while, at the same time, acquiring the cross-disciplinary experience and breadth needed to understand and address the causes and consequences of poverty, hunger, disease and environmental degradation.

RSVP: www.earth.columbia.edu/calendar

Light refreshments will be served

INTRODUCTION

John C. Mutter

Professor, Department of Earth and Environmental Sciences, Columbia University

SESSION I:

ECOSYSTEMS AND AGRICULTURE: EFFECTS OF LAND-USE AND CLIMATE

Disease Dynamics in Fragmented Landscapes

Ilana Brito

The Fate of Forests: Interactive Effects of Human and Natural Disturbance on Tropical Tree Communities

Liza Comita

Landscape-Scale Dynamics of Forest-Derived Carbon in Cultivated Systems: Implications for Smallholder Farmers in Western Tanzania

Leigh Winowiecki

Managing for Food Security and Climate Change Mitigation in the Millennium Villages

Sean Smukler

Modeling the Impacts of Climate Change on Agricultural Production in the Millennium Villages

Jonathan Hickman

The Response of Crop Yield and Water Balance to Climate Variability/Change in China, North America and Southeast South America

Chao Chen

SESSION II:

HUMAN RESPONSES TO CONFLICT AND CLIMATE CHANGE

Can Development Build Social Cohesion in Post-War Liberia?

Elisabeth King

The Effect of Uncertainty on Pollution Control Policy

Stergios Athanassoglou

Adapting to Urban Climate Risk in Coastal Brazil

Sandra Baptista

Human Behavior and Climate Change: A Look at Why People Defect in Social Dilemmas

Shahzeen Attari

Tales of the Whale: Climate Change and Cultural Responses in Arctic Alaska and the Azores

Chie Sakakibara

CLOSING REMARKS

Jeffrey D. Sachs

Director, The Earth Institute, Columbia University

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