

Agenda

VI Environmental and Resource Economics Training Course

July 23 to August 3, 2012

CE Meeting Room, CATIE - Turrialba, Costa Rica

“Water and Climate Change”

Professors:

Dale Whittington

University of North Carolina at Chapel Hill (USA), and
Manchester Business School, Manchester Institute of Innovation Research (UK)

W. Michael Hanemann

Department of Economics, Arizona State University, and
Department of Agricultural and Resources Economics at the University of California, Berkeley

Marc Jeuland

Sanford School of Public Policy and Duke Global Health Institute, Duke University

Contents

The course will examine the economics of climate change impacts and adaptation with respect to a variety of water resources planning and policy issues, including the following:

1. Water resources infrastructure investment decisions;
2. Flood risks;
3. Water and health;
4. Water use in agriculture and the role of irrigation;
5. Municipal water pricing and demand management;
6. Incorporating water and climate change into CGE Models;
7. Fixing property rights, financing infrastructure;
8. Robust decision-making.

Sunday July 22, 2012

Arrival to CATIE

Agenda

Monday July 23, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> • Introduction and welcome – Juan Robalino, Jorge Maldonado • Participant introductions • Background – IDRC’s water and climate change initiative • Course overview and objectives – Dale Whittington • Participant survey • Lecture No. 1 – Statistical Models of Extreme Events – W. Michael Hanemann
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> • Description of group exercise for participants – Dale Whittington • Assignment of participants to groups (Participants express interest in a topic; group assignments announced on Tuesday) • Writing successful proposals – Francisco Alpizar (LACEEP) • Distribution of Climate Change Proposals that LACEEP has funded
6:30 pm 7:30 pm	Dinner: CATIE’s Institutional Cafeteria After Dinner - Optional Video – “Cool It” (Facilitated discussion - Dale Whittington)

Tuesday July 24, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> • Lecture No. 2 –Overview of forecasts of changes in temperature and precipitation for Latin America – Marc Jeuland • Lecture No. 3 - Climate change and the supply of water – W. Michael Hanemann
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> • Question and answer session on Morning Sessions • Discussion of participations survey results (Dale) • Working Group Sessions
6:30 pm	Dinner - Angostura Restaurant (pick-up at CE)

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Wednesday July 25, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> Lecture No. 4 - Climate change and the demand for water: Agriculture – W. Michael Hanemann Lecture No. 5 – Climate change and the demand for water: Agriculture (cont.)
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Lecture 6 – Climate change and the demand for water – Municipal services – Dale Whittington Working Group Sessions
6:30 pm 7:30 pm	Dinner: CATIE’s Institutional Cafeteria After Dinner Video – “Sun Come Up” (Facilitated discussion - Dale Whittington)

Thursday July 26, 2012

9:00 am - 12:00 pm	<p>Three lectures on ongoing LACEEP projects on Water and Climate Change:</p> <ul style="list-style-type: none"> Lecture No. 7 – Adaptive capacity, drought and the performance of community-based drinking water organizations - Roger Madrigal, Maria Angelica Naranjo Lecture No. 8 – Hydro-meteorological emergencies and their effects on internal migration - Juan Robalino, Adriana Chacon y José Jiménez
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Lecture No. 9 – Glacier melting and retreat: understanding perceptions of households facing climate-change challenges – Jorge Maldonado, Rafael Cuervo, Adriana Bernal, Gonzalo Pinzón and Ricardo Mariño. Working Group Sessions
6:30 pm	Dinner: El Clon Restaurant (pick-up at CE)

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Friday July 27, 2012

2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Lecture 10 - Climate Change and Public Health – Marc Jeuland Lecture 11 – Climate Change and Public Health (cont.)
12:00 pm - 1:30 pm	Lunch
1:30 pm	<p>Whittington, Hanemann, Jeuland, and LACEEP secretariat meet with each group individually for 45 minutes to discuss preliminary research objectives and design</p> <ul style="list-style-type: none"> Group 1: 1:30 – 2: 15 pm Group 2: 2:15 – 3:00 pm Group 3: 3:00 – 3:45 pm Break: 3:45-4:00 pm Group 4: 4:00 –4:45 pm Group 5: 4:45-5:30 pm
6:30 pm	Dinner: CATIE’s Institutional Cafeteria

Saturday July 28, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> Working Group Sessions
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Working Group Sessions
6:30 pm	Free plans

Sunday July 29, 2012

Free day – Free plans

Agenda

Monday July 30, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> Lecture No. 12 – Supply and demand integration – optimization models for river basin planning and reservoir operation – Marc Jeuland Lecture No. 13 – Supply and demand integration (cont.)
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Working Group Sessions
6:30 pm	Dinner – Sitios de Angostura Restaurant (pick-up at CE)

Tuesday July 31, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> Lecture No. 14 – Incorporating Water into Computable General Equilibrium (CGE) Models – Marc Jeuland Lecture No. 15 – Incorporating Climate Change and Water into CGE Models- Coordinated Modeling Approaches – W. Michael Hanemann
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Lecture No. 16 - Deforestation and Policy Conservation: An impact evaluation approach – Juan Robalino Working Group Sessions
6:30 pm 7:30 pm	Dinner: CATIE's Institutional Cafeteria After dinner video: The 2011 Bangkok Flood (Facilitated discussion - Dale Whittington)

Wednesday August 1, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> Lecture No. 17 – Climate change and flood risks – Dale Whittington Lecture No. 18 – Climate change and energy – W. Michael Hanemann
12:00 pm - 1:30 pm	Lunch
2:00 pm - 4:00 pm	<ul style="list-style-type: none"> Working Group Sessions
6:30 pm	Dinner: CATIE's Institutional Cafeteria

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Thursday August 2, 2012

9:00 am - 12:00 pm	<ul style="list-style-type: none"> Lecture 19 – Adaptations to climate change: fixing water pricing, financing infrastructure, and fixing property rights – W. Michael Hanemann, Dale Whittington Lecture 20 – Bargaining over water, risk aversion, and robust decision-making – W. Michael Hanemann
12:00 pm - 1:30 pm	Lunch
2:00 pm - 5:00 pm	Begin Working Group Proposal Presentations <ul style="list-style-type: none"> Group 1 – 2: 00-3:00 pm Group 2 – 3:00-4:00 pm Group 3 – 4:00-5:00 pm
6:30 pm	Barbeque– Rancho de Capacitación, CATIE

Friday August 3, 2012

9:00 am - 12:00 pm	Working Group Proposal Presentations (cont.) <ul style="list-style-type: none"> Group 4 – 9:00 – 10:00 pm Group 5 – 10:00-11:00 pm Closing remarks, course evaluation - 11:00 - noon
12:00 pm - 1:30 pm	Lunch
2:00 pm	Departure to Hampton Inn - San José

Saturday August 4, 2012

Departure to Airport
(shuttle from Hampton Inn to the airport according to individual travel plans)