



## Interdisciplinary Ph.D. Workshop on Sustainable Development Schedule

### **Friday, April 6<sup>th</sup>**

**8:30 - 9:15 AM**      **Registration – IAB 1102**  
Breakfast will be served

**9:30 - 10:30 AM**      **Welcoming remarks by Prof. John Mutter – Hamilton 702**  
**Keynote Address by Prof. Jeffrey Shrader – Hamilton 702**

**10:30 - 10:50 AM**      **Coffee break – IAB 1102**

**11:00 – 12:00 PM**      **Sessions 1a and 1b** (All sessions: Length: 15 min / Q&A: 15 min)  
**Session 1a – Land Use..... **Room Fayerweather 301M****

- **Pedro Ribeiro Piffer** (Columbia University) – “Consequences of land use cover changes and precipitation regimes on water quality in a tropical landscape: the case of São Paulo, Brazil”
- **Jimena Rico-Straffon** (Banco de Mexico) – “Logging Concessions, Certification & Protected Areas in the Peruvian Amazon: Assessing Forest Impacts from Combinations of Land-use Rights and Restrictions”

**Session 1b – Behavior..... **Room IAB 1102****

- **Ganga Shreedhar** (London School of Economics and Political science) – “Seeing red, but acting green? Experimental evidence on the impact of the media content of biodiversity conservation videos on charitable donations and affect”
- **Zhihan Cui** (Columbia University) – “Social Learning in a Changing World: New Insights”

**12:00 - 1:00 PM**      **Lunch – IAB 15<sup>th</sup> floor**

**1:00 - 2:30 PM**      **Sessions 2a and 2b**  
**Session 2a – Valuation and Methods..... **Room IAB 1101****

- **Ethan Addicott** (Yale University) – “Spatial Aggregation and the Value of Natural Capital”
- **Anouch Missirian** (Columbia University) – “Nightlights are not a good proxy”
- **Sandra Baquié** (Columbia University) – “Conflicts and bad statistics: Evidence from Tanzania”

**Session 2b** – *Economic Transitions*..... **Room IAB 501A**

- **Thomas Stoerk** and **Jeremy Proville** (Environmental Defense Fund) – “The Low-carbon Transition: First Evidence from US Counties”
- **Noah Kittner** (UC Berkeley) – “Energy systems integration and innovation for economies in transition”
- **Brent Heard** (University of Michigan) – “The Effects of Expanded Refrigeration on Food Supply Emissions in the Developing World”

**2:30 – 3:30 PM**

**Sessions 3a and 3b**

**Session 3a** – *Ecosystem Services*..... **Room IAB 1101**

- **Charles Taylor** (Columbia University) – “The Economic Impact of Land Use: A Fixed Effects and Instrumental Variable Approach to Quantify the Value of Wetlands for Flood Mitigation”
- **Yu Wu** (North Carolina State University) – “Forest Watershed Services on an Old Frontier in the Brazilian Amazon”

**Session 3b** – *Decision-making*..... **Room IAB 501A**

- **Udita Sanga** (Michigan State University) – “A Resilience-based Approach to Modelling Food Security and Climate Change Adaptation among Rural Farmers in Southern Mali” [via Skype]
- **Francis Annan** (Columbia University) – “Informal risk sharing and weather index insurance”

**3:30 – 4:00 PM**

**Coffee break – IAB 1101**

**4:00 – 5:30 PM**

**Sessions 4a and 4b**

**Session 4a** – *Agriculture and Climate (I)*..... **Room Fayerweather 302**

- **Andrew Hultgren** (UC Berkeley) – “Climate Change and Crop Choice: Evidence from Australia, Brazil, China, Europe, and the United States”
- **Timothy Foreman** (Columbia University) – “Predicting areas of agricultural expansion”
- **James Franke** (University of Chicago) – “Integrated Model Emulation for Climate Change Impact Assessments”

**Session 4b** – *Energy*..... **Room Fayerweather 301M**

- **Cecile Hediger** (Yale & University of Neuchatel, Switzerland) – “Rebound Effects in Car Transportation”
- **Hyungyu Kim** (University of Hawaii-Manoa) – “Effects of Climate Change on Electricity Consumption: A decomposition of industrial, residential, agricultural and commercial sectors”
- **Erica Barth-Naftilan** (Yale University) – “Prospective study of methane in groundwater surrounding hydraulic fracturing.”

**5:45 PM**

**Group photo** (stairs in front of Low Library)

**6:00 PM**

**Reception** (Arts and Crafts Beer Parlor, corner of Amsterdam avenue and 116<sup>th</sup> street)

## **Saturday, April 7<sup>th</sup>**

**8:30 - 9:00 AM**      **Breakfast – IAB 1101**

**9:00 - 10:00 AM**      **Keynote Address by Prof. Jeffrey Sachs – IAB 404**

**10:00 - 10:30 AM**      **Coffee break – IAB 1101**

**10:30 – 12:00 PM**      **Sessions 5a and 5b**

**Session 5a – *Environmental Policies and Agreements*..... **Room IAB 404****

- **Ingrid Hjort** (University of Oslo, Columbia Earth Institute fellow) – “Domestic politics and international environmental negotiations”
- **Siobhan Watson** (Columbia University) – “Bringing up the Rear: Achieving Environmental Policy Results in Last-Mover Municipalities”
- **Hélène Benveniste** (Princeton University) – “Aspirational goals in international environmental agreements: Relevance, effectiveness and reasonable expectations for the Paris Agreement”

**Session 5b – *Natural Disasters*..... **Room IAB 1101****

- **Anais Goburdhun** (CREST, Ecole Polytechnique) – “The economic impact of tropical storms on building infrastructures in the South Pacific islands”
- **Sven Kunze** (Heidelberg University) – “Unraveling the Effects of Tropical Cyclones on Economic Sectors Worldwide”
- **Tu Le** (University of Goettingen) – “The Effect of Flood on Health in Rural Southeast Asian”

**12:00 - 1:00 PM**      **Lunch – IAB 1101**

**1:00 - 2:30 PM**      **Sessions 6a and 6b**

**Session 6a – *Social Norms and Impacts*..... **Room IAB 404****

- **Sandra Aguilar** (Columbia University) – “Norms Formation: The Gold Rush and Women's Roles”
- **Sally Faulkner** (University of Sheffield) – “The impact of artisanal and small-scale mining on social relationships and collective action in Peru”

**Session 6b – *Water Economics and Policy*..... **Room IAB 1101****

- **Ariel Zucker** (MIT) – “Conservation Payments versus Technology Subsidies: Policy Design for Resource Efficiency in Irrigation”
- **Nick Hagerty** (MIT) – “Liquid Constrained in California: Estimating the Potential Gains from Water Markets”
- **Jesse Backstrom** (Texas A&M University) – “Groundwater Regulations and Hydraulic Fracturing: Reporting Water Use in Texas”

**2:30 – 3:00 PM**      **Coffee break – IAB 1101**

3:00 – 4:30 PM

**Sessions 7a and 7b**

**Session 7a** – *Private Sector* ..... **Room IAB 404**

- **Aymeric Guidoux** (Ecole Polytechnique) – “Corporate social responsibility and corporate governance: The role of executive compensation programs”
- **Shaoda Wang** (UC Berkeley) – “Environmental Regulation and Firm Productivity in China: Estimates from a Regression Discontinuity Design”
- **Aurélien Saussay** (EHESS, Sciences Po) – “The impacts of energy prices on industrial foreign investment location: evidence from global firm level data”

**Session 7b** – *Agriculture and Climate (II)*..... **Room IAB 1101**

- **Maulik Jagnani** (Cornell University) – “In the Weeds: Effects of Temperature on Agricultural Input Decisions in Moderate Climates”
- **Jayash Paudel** (University of Massachusetts Amherst) – “Adaptation to Climate Change in the United States: Implications on Fertilizer Use and Water Quality”