

Interdisciplinary PhD Workshop in Sustainable Development Final Program 2025

Location (Columbia University)

International Affairs Building (IAB), 420 W 118th St, New York, NY 10027

- **Keynote Lectures, Egg-timers, and Track A:** IAB 1512 (both days)
- **Track B:** *see below for more information*
 - **Friday (until 2pm) and Saturday (all hours):** IAB 1102
 - **Friday (from 2pm to end):** IAB 418

In-person non-Columbia attendees: please meet with organizers (contact on the next page) at the 118th Street entrance of IAB. A map indicating this entrance is provided on the next page.

Zoom links

Track A



Or join using [this link](#)
Meeting ID: 921 3201 4335 | PW: 271464

Track B



Or join using [this link](#)
Meeting ID: 942 9529 8416 | PW: 576672

Contact (Organizing Committee)

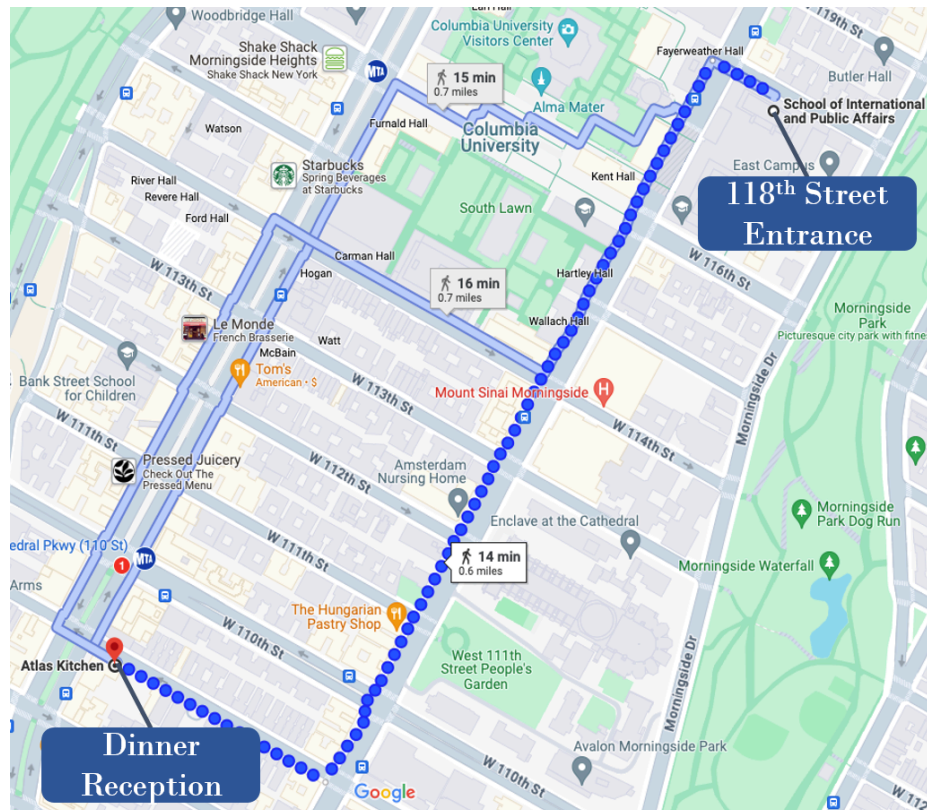
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In case of emergency: susdev@columbia.edu

Please visit our website as well: <https://blogs.cuit.columbia.edu/sdds/ipwsd>

Map of Entrance and Dinner Reception Venue



Gratitude

We would like to sincerely thank our sponsors for making this event possible:

- Institute for Social and Economic Research and Policy (ISERP)
- Columbia Climate School
- and the School of International and Public Affairs (SIPA).



The program follows on the next page.

Friday, April 4, 2025		
08:30 09:00	Breakfast IAB 1512	
09:00 09:10	Welcome and Opening Remarks Professor Douglas Almond <i>Columbia University</i> IAB 1512 Zoom Link	
09:10 11:30	Session 1A Energy and Emissions Moderator: Seung Min Kim IAB 1512 Zoom Link	Session 1B Health and Pollution Impacts Moderator: Hannah Farkas IAB 1102 Zoom Link
	<p>Josh Romo <i>Stanford University</i> Advances in Emissions Measurement and Air Quality Impact Quantification from the U.S. Oil and Gas Industry</p> <p>Rafał Jednoróg <i>Kozminski University</i> Electric Shadows: Understanding the Nexus of Coal Power Plant Failures and Air Quality Dynamics</p> <p>Yifan Liu <i>Georgia Institute of Technology</i> Why is EV Charging So Unreliable? The Role of Competition in Supplementary Services</p> <p>Chang Wang <i>University of Michigan</i> Carbon emissions regulation, input-output networks, and firm dynamics: The case of a low-carbon-zone pilot in China</p>	<p>Clara Berestycki <i>Columbia University</i> Impact of Wildfire-Induced Air Pollution on Time Allocation: Evidence from Smartphone Data</p> <p>Siyuan Hu <i>University of Wisconsin-Madison</i> Lead in the Water, a Risk in the Pipes: The Value of Information on Lead Service Lines</p> <p>Lucas Perez <i>Paris School of Economics</i> Air Ball and Air Quality: How Pollution Affects Workers' Productivity in the Short and Long Run</p> <p>Yuqing Han <i>University of Illinois at Urbana-Champaign</i> Long-run Effect of Radiation Exposure on Mortality: Evidence from the Nuclear Weapon Tests in the U.S.</p>
11:30 12:30	Keynote Lecture Professor Robert Metcalfe <i>Columbia University</i> A Welfare Analysis of Policies Impacting Climate Change IAB 1512 Zoom Link	

All times are Eastern Daylight Time (EDT)

Friday, April 4, 2025 (Continued)	
12:30 13:30	Lunch by Kesari Indian Cuisine IAB 1512
13:30 14:40	Eggtimer Presentations Moderator: Clara Berestycki IAB 1512 Zoom Link
	Serkan Sargin <i>University of North Carolina at Chapel Hill</i> Pathways to improve electricity reliability and decarbonization in Myanmar by 2050
	Tiemeng Ma <i>Penn State University</i> From Local Shocks to Regional Impacts: Economic Consequences of Public Safety Power Shutoffs in California on Western U.S. Residents and Sectors
	Wenge Rao <i>Peking University and CUNY Baruch College</i> Multi-Objective Land Use Optimization Incorporating Renewable Energy Potential Under Climate Change
	Konrad Dierks <i>TSE and University of Toulouse Capitole</i> Optimal storage capacity with (only) intermittent wind energy
	Saumya Joshi <i>University of British Columbia</i> Welfare implications of Mining under Communal Property Rights: Evidence from India's Scheduled Areas
14:40 14:50	Moumita Das <i>University of California, Santa Cruz</i> Temperature and Temporary Migration in India
	Marisa Camargo <i>University of Helsinki</i> Exploring Private Sector Engagement Strategies in Climate Action: Tackling Externalities
14:40 14:50	Coffee Break IAB 1512

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Friday, April 4, 2025 (Continued)		
14:50 16:35	Session 2A Extreme Weather Moderator: Hasti Hemati IAB 1512 Zoom Link	Session 2B (Sustainable) Development & Policy Interventions Moderator: Jessie Lu IAB 418 Zoom Link
	Robert Reinhardt <i>University of Paris 1 - Pantheon Sorbonne</i> Non-linear Responses to Climate Shocks in Sub-Saharan African Cities Theresa Ng'andu <i>University of Wisconsin-Madison</i> Development, Flooding and Child Health Outcomes in Zambia Maxime Roche <i>Imperial College London</i> Extreme weather and child malnutrition in Sub-Saharan Africa: Exploring drivers and moderators	Francesco Cenerini <i>University of Illinois at Urbana-Champaign</i> Long-Term Environmental Effects of the Indonesian Transmigration Program Yanxu Long <i>University of Minnesota</i> Rural Poverty Alleviation and Forest Conservation Tara Mittelberg <i>University of Wisconsin-Madison</i> The Impact of the "Forced Labor Dirty List" on Agricultural Transactions in Brazil
16:35 16:45	Coffee Break IAB 1512	
16:45 18:30	Session 3A Agriculture and Environment Moderator: Sahila Kudalkar IAB 1512 Zoom Link	Session 3B (Climate) Risk and Information Moderator: Roberto Zuniga IAB 418 Zoom Link
	Prashikdivya Gajbhiye <i>University of Massachusetts Amherst</i> Weather Shocks, Workfare, and the Farmer Suicide Crisis in India Nabin Bhandari <i>Auburn University</i> Impact of Bird Diversity on Corn and Soybean Yields: A National Scale Analysis Cheng Bi <i>University of Illinois at Urbana-Champaign</i> Can Biopesticides and Natural Enemies Reduce Pesticide Use Without Harming Farmers' Welfare?: A Bioeconomic Analysis of Integrated Pest Management	Bhavyaa Sharma <i>University of California, Santa Cruz</i> How Climate Awake Are Financial Markets? Yuting Wang <i>Queen Mary University of London</i> Beliefs, Information Trust, and Air Pollution Felipe Verástegui <i>Columbia University</i> Sustainable Investment Strategies with Real Asset Trades
18:30 21:30	Evening Reception and Dinner Atlas Kitchen, 258 W 109th St	

All times are Eastern Daylight Time (EDT); Saturday schedule starts on the next page

Saturday, April 5, 2025		
08:30 09:00	Breakfast IAB 1512	
09:00 11:20	Session 4A Development and Governance Moderator: Fanyu Wang IAB 1512 Zoom Link	Session 4B Forest and Water Resources Moderator: Sahila Kudalkar IAB 1102 Zoom Link
	<p>Yile Xiao <i>University of Michigan</i> Reducing Collusion at a Cost: Analyzing the Effects of Randomized Environmental Inspections in China</p> <p>Merve Demirel <i>Stockholm University</i> Encouraging Educational Migration: Evidence from a Mentoring Program in India</p> <p>Rafael Lembi <i>Michigan State University</i> Exploring Energy Commons as an Anti-Colonial Praxis: Perspectives from Indigenous and Traditional Communities in the Brazilian Amazon</p>	<p>Claire Fan <i>University of Chicago</i> Dam Thy Neighbor: Private and International Consequences of Impounding Rivers</p> <p>Jessie Lu <i>Columbia University</i> Damages from the Emerald Ash Borer: Invasive Species, Urban Forest Loss, and Inequality</p> <p>Beatrice Fontenelle-Weber <i>Inspire</i> Market-Based Environmental Conservation Policies and Their Effects on Deforestation</p> <p>Benji Edelstein <i>UPenn and Loyola University Chicago</i> Water Scarcity Management and Housing Markets: Evidence from Water Impact Fees in Colorado</p>
11:20 11:40	Coffee Break IAB 1512	
11:40 12:40	Keynote Lecture Professor Corbett Grainger <i>University of Wisconsin-Madison</i> Pollution, Measurement and Behavior IAB 1512 Zoom Link	
12:40 13:40	Lunch by Kesari Indian Cuisine IAB 1512	

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Saturday, April 5, 2025 (Continued)		
13:40 15:25	Session 5A Environmental Policy & Governance Moderator: Tristan Du Puy IAB 1512 Zoom Link	Session 5B Sustainability and Innovation Moderator: Junho Choi IAB 1102 Zoom Link
	<p>Seung Min Kim <i>Columbia University</i> Political bias in U.S. federal disaster assistance</p> <p>Sushant Banjara <i>University of Chicago</i> Environmental Degradation in One's Own Backyard: Who Gains and Who Loses from Sand Mining in India</p> <p>Léo Jean <i>Paris School of Economics</i> The long-term costs of delaying carbon taxation in the oil sector</p>	<p>Hayeon Jeong <i>Columbia University</i> Cell phones and SUVs kill: The Impact of Vehicle Weight, Size, and Smartphone Use on Pedestrian Safety</p> <p>Jeanne Astier <i>Institut Polytechnique de Paris - ENSAE</i> Climate Change Effects on Ports in the Shipping Network</p> <p>Costanza Tomaselli <i>Imperial College London and Yale Univ.</i> Powering Through: Finance Access and Labor Dynamics in the Face of Energy Uncertainty</p>
15:25 15:40	Closing Remarks Professor John Mutter <i>Columbia University</i> IAB 1512 Zoom Link	

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Use the below QR code or [this link](#) to see all abstracts.

