



## Full Program

The Sustainable Energy Transitions - SETI  
Annual Workshop, 2025  
August 13-16, University of Gothenburg, Sweden

### Contact:

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## Wednesday, August 13 - Research workshops: Part I

**08:00 - 08:15. Registration.**

**08:15 - 08:30. Welcome to the conference and instructions for research groups.** By Gunnar Köhlin (EfD Director), Marc Jeuland (Duke University, SETI Co-Leader), and Marcela Jaime (Universidad de Concepción, SETI Co-Leader).

**08:30 - 09:00. Plenary talk. *Communicating Impact*.** By Petra Hansson (EfD Global Hub).

**09:00 - 09:05. Moving to working group rooms.**

**09:00 - 10:45. Themes and gaps.**

### Research workshops

Participants are expected to discuss around potential issues that need to be addressed for each of the topics previously selected, while also identify methods to best address them. Participants are expected to be engaged in advance with team co-leaders, in order to concretize the application to a specific research call.

**10:45 - 11:00. Coffee break.**

**11:00 - 12:30. Writing funding proposals.**

### Research workshops

Participants are expected to work in the writing of a research fund application, based on July-August discussions and the decisions taken in the previous session.

**12:30 - 13:30. Lunch time.**

**13:30 - 15:30. Planning the research agendas.**

### Research workshops

Participants will continue the preparation of the application(s). They will also start a discussion around the following next steps:

1. Developing a research agenda with defined responsibilities that secure its sustainability.
2. Identifying research funding opportunities.
3. Identifying research gaps that can be priority in the SETI strategy.
4. Think around engagement activities with policymakers around their topic.
5. Plan outputs and deliverables for the period 2025-2026.

**15:30 - 15:50. Coffee break.**

**15:50 - 17:50. Planning the research agendas and writing funding proposals.**

### Research workshops

Participants will continue the discussion about the next steps related to the development of their research topic. Participants should use this time slot to write or improve an already written proposal.

**17:50 - 18:30. Mingle.**

## Thursday, August 14 - SETI Annual Workshop

08:00 - 10:00. Session 1A: Climate change & ag-tech in energy transitions. Chair: César Salazar (Universidad del Bío-Bío)

Presenter	Title	Discussant
Shefali Khanna (London School of Economics)	Industry Exit and Externalities: Evidence from Coal Phaseout Programs and Climate Change	Haripriya Gundimeda
Haripriya Gundimeda (Indian Institute of Technology Bombay)	Feasibility of incorporating biofuels in the sustainable energy transition of India	Shefali Khanna
Mzuyanda Christian (University of Mpumalanga)	Adoption and potential impacts of solar powered climate smart irrigation on smallholders farmers in Africa: A systematic review	Disha Gupta
Disha Gupta (Indira Gandhi Institute of Development Research)	Unwatering the Fields: Analyzing Incentives for Crop Diversification amid Groundwater Crisis in India	Mzuyanda Christian

08:00 - 10:00. Session 1B: Advancements on electric cooking. Chair: Claudia Aravena (Heriot Watt University)

Presenter	Title	Discussant
Anthony Amoah (University of Environment and Sustainable Development)	Exploring the effect of cooking energy on subjective wellbeing in seven developing countries	Erin Litzow
Erin Litzow (The University of Texas at Dallas)	Electric cooking in the energy transition: How much subsidization is needed?	Anthony Amoah
Min Bikram Malla (Practical Action Nepal Office)	Fostering Inclusive Electric Cooking Adoption in Nepal: Barriers, Impacts, and Pathways for Disadvantaged Groups	Aisha Nanyiti
Aisha Nanyiti (Makerere University)	Assessing the impact of information on benefits and available government financing on adoption of low-carbon Ag-tech	Min Bikram Malla

10:00 - 10:15. Coffee break.

10:15 - 12:15. Session 1C: Energy Access and Reliability. Chair: Marc Jeuland (Duke University).

Presenter	Title	Discussant
Bishal Bharadwaj (University of Calgary)	Peace accelerates energy access in Nepal	Ryan McCord
Michael Adu Okyere (Clean Air Task Force)	Using Willingness to Pay can misguide energy policy design in developing countries with unstable electricity supply: Evidence from Benin	Marc Jeuland
Marc Jeuland (Duke University)	How much do households in Sierra Leone value enhanced electricity service reliability	Michael Adu Okyere
Ryan McCord (Duke University)	Assessing the Impacts of Reliable Electricity at Healthcare Facilities	Bishal Bharadwaj

10:15 - 12:15. Session 1D: Heating for a sustainable energy transition. Chair: Lunyu Xie (Renmin University of China).

Presenter	Title	Discussant
Adolfo Uribe (Paul Scherrer Institut)	Impact of more efficient biomass heating technologies during COVID-19	Claudia Aravena
Carlos Chávez (Universidad de Talca)	Are there synergies and tradeoffs in sustainable heating from cleaner stoves and home insulation? Evidence from air pollution control policies in southern Chile	Lunyu Xie
Claudia Aravena (Heriot Watt University)	Energy Transition in the Global North – Preferences for transition to cleaner Heating Systems in UK Homes	Adolfo Uribe
Lunyu Xie (Renmin University of China)	"Soft Landing" in Energy Transition: Evidence from China's Clean Winter Heating Policy	Carlos Chávez

**12:15 - 13:00. Lunch time.**

**13:00 - 13:35. Plenary session.** *SETI's 10th Anniversary* (Gunnar Köhlin, EFD Director; and Subhrendu Pattanayak, Duke University).

**13:35 - 14:00. Keynote lecture.** *Africa's Energy Access & Just Transition: An Opportunity for Investment and Socioeconomic Development*. To be presented by Mr. Yagouba Traoré (African Energy Commission).

**14:00 - 15:00. Panel discussion and Q&A.** *Reimagining Africa's Energy Transition in an Era of Geopolitical Realignment and Scarce Development Finance*. Moderated by Parek Maduot (University of Juba).

Panelists: John Mutua Mutwii (Energy & Petroleum Regulatory Authority, Kenya); Aisha Nanyiti (Makerere University, Uganda); Jonathan Philips (Duke University, USA); Chizoba Obianuju Oranu (University of Nigeria, Nigeria); Philip Kofi Adom (University of Witwatersrand, South Africa); Jevgenijs Steinbuks (The World Bank).

**15:00 - 15:05. Official picture of the conference.** Location to be informed during the plenary session.

**15:05 - 15:15. Coffee break.**

**15:15 - 17:45. Session 1E: Just energy transitions. Chair: Mauricio Oyarzo (Universidad de Concepción)**

Presenter	Title	Discussant
Juhi Chatterjee (Tata Institute of Social Sciences)	"Just Energy Transitions" in Agriculture: Equity, Responsibility, and Differentiated Capabilities	Phindile Nkosi
Zin Nwe Win (Innovations for Poverty Action)	Women's Bargaining Power and Energy Consumption in Myanmar	Rahel Bekele
Phindile Nkosi (University of Johannesburg)	Energy Poverty Effects of South African Unconditional Cash Transfer: Evidence from Regression Discontinuity Design (RDD) Analysis	Juhi Chatterjee
Mulat Goshu (Policy Studies Institute)	How Do Frequent Power Outages Perpetuate Energy Poverty and Deter Fuel Transition and adoption of cooking technologies? Evidence from Households in Addis Ababa, Ethiopia	Zin Nwe Win
Rahel Bekele (Duke University)	Rural electrification and household welfare in Ethiopia	Mulat Goshu

**15:15 - 17:45. Session 1F: Energy & Development I. Chair: Walter Gómez (Universidad de La Frontera)**

Presenter	Title	Discussant
Yonas Alem (University of Cape Town)	Information Nudges and WTP for Solar Water Heaters: A Randomized Controlled Trial on Enterprises	Richard Mulwa
Stefan Ambec (Toulouse School of Economics)	Pricing intermittent renewable energy	Yonas Alem
Matthias Galan (Arizona State University)	A cost comparison of cooking fuels in the Indian, Moroccan, and Namibian market to understand the viability of using green hydrogen as a cooking fuel	Balasurya Sivakumar
Balasurya Sivakumar (Oslo Metropolitan University)	Coal Power Expansion and Human Capital in India	Matthias Galan
Richard Mulwa (University of Nairobi)	The impacts of decentralized energy solutions on smallholder producers' productivity and resilience	Stefan Ambec

**Friday, August 15 - SETI Annual Workshop**

**08:00 - 10:30. Session 2A: Climate Change. Chair: Ridhima Gupta (University of New South Wales).**

Presenter	Title	Discussant
<b>Sudatta Ray (National University of Singapore)</b>	Compounding effects of spatial segregation, hard rock aquifers and pumping energy on drinking water access in rural India	Ridhima Gupta
<b>Bing Zhang (Nanjing University of Finance &amp; Economics)</b>	Cold Shock in a Warming World: Income-Driven Disparities in China's Temperature-Electricity Response under Climate Extremes	Adolfo Uribe
<b>Adolfo Uribe (Paul Scherrer Institut)</b>	Hidden Costs of Climate Goals: A Life Cycle Perspective on Switzerland's Net-Zero Path	Shisher Shrestha
<b>Shisher Shrestha (International Water Management Institute)</b>	Energy Transition for Climate Adaptation - Improving Lift Irrigation in Nepal's Mid-Hills?	Bing Zhang
<b>Ridhima Gupta (University of New South Wales )</b>	Heat, climate control, and worker absences: Evidence from India	Sudatta Ray

**08:00 - 10:30. Session 2B: Energy Policy. Chair: Carlos Chávez (Universidad de Talca).**

Presenter	Title	Discussant
<b>Gunther Bensch (RWI – Leibniz Institute for Economic Research)</b>	More and better energy access? The effectiveness of a policy intervention in rural and urban Tanzania	John Mutua
<b>Shaun McRae (Instituto Tecnológico Autónomo de México)</b>	The Efficiency and Distributional Effects of Electricity Metering	Carlos Chávez
<b>John Mutua (Energy and Petroleum Regulatory Authority)</b>	Impact of Intermittent Renewable Energy Technologies on Economic Merit Order of Dispatch of Electric Power and Implications for Energy Transition in Kenya	Mulako Dean Mukelabai
<b>Mulako Dean Mukelabai (Loughborough University)</b>	Integrating impact assessment and stakeholder-driven policy and system design for hydrogen cooking in Zambia	Gunther Bensch
<b>Carlos Chávez (Universidad de Talca)</b>	Designing and implementing policies for controlling urban air pollution caused by households: The case of central-southern Chile	Shaun McRae

**10:30 - 10:45. Coffee break.**

**10:45 - 12:45. Session 2C: Energy & Development II. Chair: Philip Kofi Adom (University of Witwatersrand).**

Presenter	Title	Discussant
<b>Sourav Mohanty (Gokhale Institute of Politics and Economics)</b>	Powering Progress: The Nexus of Energy, Economy, and Governance in Africa's Development	Chizoba Oranu
<b>Timothy King Avordeh (University of Professional Studies)</b>	Demand Response as a Catalyst for Ghana's Renewable Energy Transition	Philip Kofi Adom
<b>Philip Kofi Adom (University of Witwatersrand)</b>	Effects of Energy Prices, Low-Carbon Tech, and Output on Ghana's subsector industrial energy consumption – Insights from Classical and Machine Learning IVs, and Heterogenous panel regressions	Timothy King Avordeh
<b>Chizoba Oranu (University of Nigeria)</b>	The effect of women empowerment on household transition to clean energy source: Panel data evidence from Ethiopia and Nigeria	Sourav Mohanty

**10:45 - 12:45. Session 2D: Evidence on Energy Uses. Chair: Marcela Jaime (Universidad de Concepción)**

Presenter	Title	Discussant
<b>Priyanka Dutta (Indian Statistical Institute Delhi)</b>	Subsidies for Solar Based Electricity Generation: Evidence from India	Dambala Kutela
<b>Praveen Kumar (Indian Statistical Institute Delhi)</b>	Effects of a Transition from LPG to Induction cookstoves in Kerala Anganwadis, India	Ebele Amaechina
<b>Dambala Kutela (University of The Witwatersrand)</b>	Threshold Effects of Income on Household Transition: Evidence from South Africa	Priyanka Dutta
<b>Ebele Amaechina (University of Nigeria)</b>	Willingness to Adopt Solar Home Systems By Academic Staff of Universities in Nigeria	Praveen Kumar

**12:45 - 13:30. Lunch time.**

**13:30 - 15:30. Session 2E: Behavioral and Market Mechanisms for Energy Transitions. Chair: Jevgenijs Steinbuks (World Bank).**

Presenter	Title	Discussant
<b>Brigitte Castaneda (Universidad de los Andes)</b>	Royalties and Local Fiscal Capacity: Effects of Spreading Jam Across the National Toast	Jevgenijs Steinbuks
<b>Jevgenijs Steinbuks (World Bank)</b>	Estimating Willingness-to-Pay for Emerging Technologies Before the Market is There: Application to Industrial Hydrogen	Michael Adu Okyere
<b>Michael Adu Okyere (Clean Air Task Force)</b>	Computation of weighted average cost of capital (WACC) in the power sector for African countries and the implications for country-specific electricity technology cost	Juan Fercovic
<b>Juan Fercovic (University of British Columbia)</b>	Forest to Stove: The Effect of Prices on the Demand for Firewood. A Two-Sample Instrumental Variable Approach	Brigitte Castaneda

**13:30 - 15:00. Session 2F: Energy & Development III. Chair: Franklin Amuakwa-Mensah (EfD, University of Gothenburg)**

Presenter	Title	Discussant
<b>Stephen Luke Kirama (University of Dar es Salaam)</b>	Economic Policy Instruments for Effectiveness in Accelerating Energy Transition: Evidence from Global Energy Transition Indexes	Abebe Beyene
<b>Abebe Beyene (Policy Studies Institute)</b>	The impact of adoption of improved electric cook stoves on households' energy expenditure: an Endogenous Switching Regression Application	Tensay Meles
<b>Tensay Meles (University College Dublin)</b>	Billing education and electricity consumption behavior: Experimental evidence from nonlinear electricity tariff	Stephen Luke Kirama

**15:30 - 15:45. Coffee break.**

**15:45 - 17:30. Feedback integration for research proposals.**

Research workshops
Each working group is expected to integrate feedback from team members, with the aim to finalize the writing of a research grant application. In addition, working groups must establish milestones and a future agenda, with long-term interaction between members and defined responsibilities.

## Saturday, August 16 - Research workshops: Part II

**08:00 - 10:30. Feedback integration for research proposals.**

Research workshops
Each working group is expected to integrate feedback from team members, with the aim to finalize the writing of a research grant application. In addition, working groups must establish milestones and a future agenda, with long-term interaction between members and defined responsibilities.

**10:30 - 10:45. Coffee break.**

**10:45 - 13:00. Presentation of all proposals and voting session (plenary session).**

Research workshops
Each group will have 10 minutes for pitch, and 5 minutes for Q&A from the audience. In-person participants will vote around research proposals.

**13:00 - 13:45. Lunch.**

**13:45 -16:30. Working on research proposals for the Efd research fund.**

Research workshops
Each working group is expected to integrate feedback from team members, with the aim to finalize the writing of a research grant application. In addition, working groups must establish milestones and a future agenda, with long-term interaction between members and defined responsibilities.