

Dr EUGENIE DUGOUA

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Appointment

London School of Economics - Department of Geography and Environment

2025 – Associate Professor in Environmental Economics

2018 – 2025 Assistant Professor in Environmental Economics

London School of Economics - Graduate School of Sustainability

2025 – Co-Lead on “Generating Sustainable Growth”

Affiliations

2025 – Lemman Fellow, Hoffmann Centre for Global Sustainability, Geneva Graduate Institute (Switzerland)

2024 – Research Affiliate, CEPR (Centre for Economic Policy Research)

2023 – Affiliate, CESifo Research Network (Center for Economic Studies and Ifo Institute for Economic Research)

2021 – Associate, Center for Economic Performance, London School of Economics

2019 – Associate, Grantham Research Institute on Climate Change and the Environment, London School of Economics

2019 – Beijer Young Scholars programme, Beijer Institute of Ecological Economics, Royal Swedish Academy of Sciences

2018 – Fellow, Initiative for Sustainable Energy Policy, Johns Hopkins University

Research Visits

2025-2026 Visiting Scholar at the University of California, Berkeley, Department of Agricultural and Resource Economics (full academic sabbatical year)

April 2024 MIT Sloan, Technological Innovation, Entrepreneurship, and Strategic Management group. With financial support from GEOCEP, an EU Horizon 2020 project.

Education

2012-2018 PhD in Sustainable Development

Columbia University, School of International and Public Affairs

“Essays on the Economics of Technological Change and the Environment”

Advisors: Scott Barrett, Geoffrey Heal, Suresh Naidu

Committee: David Popp, Bhaven Sampat, Richard Nelson

PhD courses in micro and macroeconomics, econometrics, political economy, development economics, environmental and resource economics.

2019 PGCertHE Certificate, London School of Economics

2012-2013 Graduate Diploma in Economics, University of London

Equivalent to BSc in Economics

2005-2008 Diplôme d'Ingénieur, Chimie-ParisTech

Equivalent to MSc in Chemistry and Chemical Engineering

2006-2007 Cycle in International Management, Ecole des Ponts ParisTech

2003-2005 Classes Préparatoires (PC), Lycée Fermat, Toulouse

Equivalent to BSc in Maths, Physics and Chemistry

Research Interests

Economics of the Environment, Innovation, Technical Change and Energy.

Work in Progress

- How DOEs Government Funding Fuel Scientists?, with Todd Gerarden (Cornell), Kyle Myers (HBS), and Jacquelyn Pless (MIT Sloan)
- Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation, with Pia Andres and Marion Dumas
- Brain Fog: The Effect of Air Pollution on Inventor Productivity, with Ina Drouven (LSE) and Sefi Roth (LSE)
- Hot Brains: The Effect of Temperature on Inventor Productivity, with Ina Drouven (LSE) and Sefi Roth (LSE)
- Diffusion of Clean Technologies: Patterns, Mechanisms and Future Challenge, with Joëlle Noailly. Chapter in preparation for the World Intellectual Property Organization.

Journal Publications

- Dugoua, Eugenie, and Todd D. Gerarden. "Induced Innovation, Inventors, and the Energy Transition." **American Economic Review: Insights** 7.1 (2025): 90-106..
- Dugoua, Eugenie, and Marion Dumas. "Coordination dynamics between fuel cell and battery technologies in the transition to clean cars." **Proceedings of the National Academy of Sciences** 121.27 (2024): e2318605121.
- Dugoua, Eugenie. "Induced innovation and international environmental agreements: evidence from the ozone regime." **Review of Economics and Statistics** (2023): 1-45.
- Dugoua, Eugenie, Marion Dumas, and Joëlle Noailly. "Text as Data in Environmental Economics and Policy." **Review of Environmental Economics and Policy** 16, no. 2 (2022): 346-356.
- Alem, Yonas, and Eugenie Dugoua. "Learning from Unincentivized and Incentivized Communication: A Randomized Controlled Trial in India." **Economic Development and Cultural Change** 71.1 (2022): 1-38.
- Dugoua, Eugenie, and Marion Dumas. "Green Product Innovation in Industrial Networks: A Theoretical Model." **Journal of Environmental Economics and Management** 107 (2021): 102420.

Book Chapters, Reviews, Reports, and Non-Refereed Publications

- Dugoua, Eugenie, and Jacob Moscona. "The Economics of Climate Innovation: Technology, Climate Policy, and the Clean Energy Transition." (Forthcoming). **Handbook of the Economics of Climate Change**. Volume 2. Elsevier's "Handbook in Economics" series (co-edited by Lint Barrage and Solomon Hsiang).
- Dugoua, Eugenie, and Joëlle Noailly. "Critical Minerals and the Clean Energy Transition: The Role of Innovation Across the Supply Chain." (Forthcoming) **OECD paper** prepared for the Working Party on Integrating Environmental and Economic Policies
- Hanna R, Dugoua E, Nuñez-Jimenez A, Nock D, Arcusa S, Castellanos S, Davidson MR, Edwards MR, Galeazzi C, Gao X, Graff M, Kennedy KM, Kontou E, Lathwal P, Musa M, O'Rear E, Sivaranjani S, Zhang J, Zhu Q. "Support for climate policy researchers." **Science**. 2022 Dec 16;378(6625):1181. doi: 10.1126/science.adf8956. Epub 2022 Dec 15. PMID: 36520902. Link [here](#).
- Dugoua, Eugenie. 2022. "Research and Innovation Policies for the Green Transition". Chapter in the **2022 SRIP Report: Science, Research and Innovation Performance of the EU**. Link [here](#).

Blogs and other short pieces:

- Dugoua, Eugenie. "Data centres are the factories of our modern lives." LSE Business Review (2025).

Data Visualization Tools:

- Patent Trends related to energy and other clean technologies:
<https://patent-green-trends.streamlit.app/> (companion app to Dugoua and Moscona, Forthcoming)

Other Publications

- Dugoua, Eugenie, Ryan Kennedy, Myriam Shiran, and Johannes Urpelainen. "Assessing reliability of electricity grid services from space: the case of Uttar Pradesh, India." **Energy for Sustainable Development** 68 (2022): 441-448.
- Dugoua, Eugenie, Ryan Kennedy, and Johannes Urpelainen. "Satellite data for the social sciences: measuring rural electrification with night-time lights." **International Journal of Remote Sensing** 39, no. 9 (2018): 2690-2701.
- Dugoua, Eugenie, Ruinan Liu, and Johannes Urpelainen. "Geographic and socio-economic barriers to rural electrification: New evidence from Indian villages." **Energy Policy** 106 (2017): 278-287.
- Dugoua, Eugenie, and Johannes Urpelainen. "Relative deprivation and energy poverty: when does unequal access to electricity cause dissatisfaction?" **International Journal of Energy Research** 38, no. 13 (2014): 1727-1740.

Grants

2025	Leverhulme International Fellowship (£49,570). Project: "Human Capital Dynamics in Green Innovation"
2025	LSE Global School of Sustainability (£100,000). Project: Catalyzing AI-Nature Solutions: A Data-Driven Approach to Expanding the AI-Nature Workforce
2023	LSE Geography and Environment Department Seed Fund (£5000). Project: "Induced Innovation, Inventors, and the Energy Transition."
2021	LSE Research Support Fund (£16000). Project: "Greening the Automotive Industry: An Empirical Analysis of Innovation in Production Networks and its Implications for Green Industrial Policy."
2021	NBER Economics of Innovation in the Energy Sector (\$7500) Honorarium for Project: "How DOEs Government Funding Fuel Scientists?"
2020	LSE STICERD Research Grant (£5000). Project: "Induced Innovation, Inventors, and the Energy Transition."
2020	NBER Economics of Innovation in the Energy Sector (\$7500) Honorarium for Project: "Green Innovation in Production Networks: Empirical Evidence from the Auto Industry."
2020	NBER Economics of Innovation in the Energy Sector (\$7500) Honorarium for Project: "Induced Innovation, Inventors, and the Energy Transition"
2019	LSE STICERD Research Grant (£5000). Project: "Supply chain networks and innovation: an empirical investigation."
2019	UKERC (UK Energy Research Centre) IVUGER (Increasing Visibility of Underrepresented Groups in Energy Research) (£3800). Project: "Beyond the technical: social and political implications of delivering a low carbon heat future."

Keynote Lectures

- 13th Mannheim Conference on Energy and the Environment, May 2025 (scheduled)

Honours and Prizes

- Excellence in Education Award, London School of Economics (2024)
- Nomination to the LSESU Teaching Award for “Personal and Professional Development” (2024)
- Journal of Economic Geography Best Referee Award (2023)
- Excellence in Education Award, London School of Economics (2021)
- Excellence in Education Award, London School of Economics (2020)
- Nomination to the LSESU Teaching Award for “Online Teaching” (2020)
- Dissertation Fellowship, Columbia University (2017-2018)
- Mellon Interdisciplinary Graduate Fellowship, Columbia University (2016-2017)
- Graduate Global Policy Research Fellowship, Columbia University (2015)
- Dean's Fellowship, Columbia University (2012-2017)

Teaching

London School of Economics, Department of Geography and Environment:

- 2018 – Course coordinator, GY222 Applied Environmental Economics (BSc)
Lecturer, GY222 Applied Environmental Economics (BSc) (7 weeks)
Lecturer, GY426 Environmental and Resource Economics (MSc) (3 weeks)
- 2021 – 2024 Lecturer, GY420 Environmental Regulation (MSc) (2 weeks)
- 2021 – 2022 Deputy Director MSc Environmental Economics and Climate Change
- 2018 – 2021 Lecturer, GY455 Economic Appraisal and Evaluation (MSc) (2 weeks)

Columbia University, School of International and Public Affairs:

- Spring 2017 Teaching Assistant, Economic Development (Miguel Urquiola)
- Fall 2016 Teaching Assistant, Growth and Economic Development (Xavier Sala-i-Martin)
- Summer 2015 Textbook companions for *The Age of Sustainable Development* (Jeffrey Sachs)
- Spring 2015 Teaching Assistant, Challenges of Sustainable Development (Jeffrey Sachs)
- Fall 201 Teaching Assistant, State and Society (Victoria Murillo)
- Spring 2014 Teaching Assistant, Political Economy of Development (Chris Blattman)
- Fall 2013 Teaching Assistant, Energy Economics (Gernot Wagner)

Doctoral students

- **Leanne Cass:** Graduated in April 2022; Postdoctoral researcher at the Grantham Research Institute (2022-2024); Postdoctoral researcher at the University of Helsinki (2024 -).
- **Yang Zheng:** Graduated in April 2023; Lecturer (Assistant Professor) at Aston Business School, Aston University (2023 –).
- **Julien Picard:** Graduated in May 2024; Postdoctoral researcher at the European Institute of Environmental Economics in Milano (2024 –).
- **Sarah Elven:** Expected graduation in March 2025.
- **Ina Drouven:** Expected graduation in June 2025.
- **Salvatore Finizio:** Started September 2024.

Visiting doctoral students

- **Lorenzo Romero:** three-month visiting 2023, PhD candidate in Economics at the University of Hamburg
- **Li Jiang:** one-year visiting 2024-2025, PhD candidate in School of Economics and Management at Dalian University of Technology

External PhD Examining

- Yoan Wallois (Université de Lille) December 2024.
- Eugenie Joltreau (Paris Dauphine) 2021.

Other Mentoring and Supervision

2024-25: 11 undergraduate mentees, 9 MSc mentees, 1 UG and 7 MSc dissertations
2023-24: 10 undergraduate mentees, 13 MSc mentees, 2 UG and 8 MSc dissertations
2022-23: 13 undergraduate mentees, 9 MSc mentees, 7 MSc dissertations
2021-22: 8 undergraduate mentees, 6 MSc mentees, 7 MSc dissertations
2020-21: 11 undergraduate mentees, 6 MSc mentees, 3 UG and 10 MSc dissertations
2019-20: 10 undergraduate mentees, 8 MSc mentees and 10 MSc dissertations
2018-19: 6 undergraduate mentees, 14 MSc mentees and 10 MSc dissertations

Other University and Departmental Service

2025 Member of selection panel for the LSE collaborative research schemes
2019 – 2025 A total of 16 hiring panels (6 assistant professor positions, 8 research fellow positions, and 2 GRI policy fellow positions)
2020 – 2025 Served on the organising committee for the Research Seminar Series jointly hosted by the Grantham Research Institute and the Department of Geography and Environment
2024 – Geography and Environment AI Department Lead
2024 – 2025 Director PhD in Environmental Economics
2024 – CEP Mentoring scheme - mentoring two junior postdoctoral researchers

Knowledge Exchange

- Podcast recording for LSE iQ on AI and Sustainability (March 2025 - expected)
- Participated in the 2025 edition of the LSE Festival as a member of the steering group: reviewed proposal and recorded promo videos (February 2025)
- Participated as a panelist in the webinar “AI Earth: Predictive Analytics for Risk Management”, organised by the Digital Leadership Forum (February 2025)
- Participated in the documentary series DocuPrime-Chemistry, produced by EBS, a South Korean public broadcasting company, on battery technology and the energy transition (September 2024)
- Organised and chaired a public lecture at LSE by IMF staff Dr Zeina Hasna on green innovation (February 2024)
- Chaired a public lecture at LSE by Prof. Scott Barrett (Columbia University and LSE Centennial Visiting Professor) (February 2024)
- Moderated panel "Education for net zero: teaching leaders to make the most of the transition economy" at The Economist's Sustainability Countdown to COP event (October 2023)
- Organised a policy panel on "Green Innovation Policy" at the European Association of Environmental and Resource Economists annual conference, featuring academics, OECD, and EU Commission representatives (July 2023)
- Panellist for "Driving low-carbon innovation for climate neutrality" discussion, jointly organised by the OECD and Hertie School (Berlin, Germany) (June 2023)
- Participated in Community Engagement Online Roundtable, a collaborative initiative between UK local government and private sector, organised by 3Ci (March 2023)
- Collaborated with HM Treasury's Government Economic Service and the Centre for Economic Performance (CEP). Partnered with ONS representative to develop and present on "Digital Infrastructure and Net Zero." (March 2022)
- Participated in the LSE Circular Economy workshop, a collaboration between the LSE Head of Sustainability and the Ellen MacArthur Foundation (February 2021)

- Participated in a panel at the Forum on Environmental Policy organised by the Cambridge University Science and Policy Exchange (CUSPE) (November 2020)

Other Knowledge Exchange Activities in Collaboration with LSE Students

- Participated in a panel with French engineer Jean-Marc Jancovici, entitled "Broadening Perspectives on the Energy Transition." (October 2024)
- Chaired public lecture by the Finance Minister of the Netherlands (December 2023)
- Chaired session at G3 Energy Summit, collaborative conference by Imperial College London, UCL, and LSE Energy Societies (March 2023)
- Chaired discussion with Estelle Brachlianoff, future CEO of Veolia, LSE French Society (March 2022)
- Chaired environmental economics panel, LSESU Economics Symposium (November 2020)
- Chaired panel discussion on "Sustainable Energy Futures" focusing on sustainable finance, LSE Energy Society (March 2019)
- Chaired conversation with Royal Dutch Shell's energy transition manager, Jo Coleman, LSE Energy Society (January 2019)

Referee Service

Journal of Political Economy, Review of Economic Studies, Review of Economics and Statistics, American Economic Journal: Economic Policy, Journal of Public Economics, Management Science, The Economic Journal, Journal of the European Economic Association, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Journal of Economics & Management Strategy, Journal of Industrial Economics, Journal of Economic Geography, Review of Environmental Economics and Policy, Science, Proceedings of the National Academy of Sciences, Nature Energy, Ecological Economics, Environmental and Resource Economics, Resource and Energy Economics, World Development, Energy Economics, Environment and Development Economics, Nature Sustainability, Energy Policy, Climate Change Economics, Joule, Climate Policy.

Other Service to the Profession

- 2019 – Member of the organising committee for the annual London School of Economics/Imperial Workshop on Environmental Economics
- 2022 – Member of the scientific committee for the LSE Environment Week and the LSE Environment Day, organised by the Department of Economics at LSE
- 2023 – Member of the scientific committee of UKNEE (UK Network for Environmental Economists) and the EnvEcon conference
- 2025 – Member of the scientific committee for the LSE 1st Workshop for Early Career Women in Economic Geography and Spatial Economics
- 2025 Member of programme committee for the 2025 ESIF Conference on Economics + Climate Science
- 2025 Member of programme committee for EAERE (European Association of Environmental and Resource Economists)
- 2023 – 2024 Member of the scientific committee of ITIF's (Information Technology and Innovation Foundation, DC, USA) Climate-Tech Policy Boot Camp for Early Career Researchers
- 2024 Member of the scientific committee for the CEPR-NBB (Centre for Economic Policy Research - National Bank of Belgium) Joint Research Workshop on

	Reaching Net-Zero: Electricity Markets, Carbon Pricing, and Firms' Responses
2024	Member of the scientific committee for LEMNA Climate Workshop (Laboratoire d'Economie et de Management de Nantes-Atlantique)
2022 – 2023	External examiner, Goldsmith, MSc Management of Innovation
2020 – 2022	Member of the scientific committee for the Annual Congress of the European Economic Association
2020	Member of the scientific committee for the CEPR/EBRD/ECB Symposium on “Climate Change, Finance and Green Growth (Centre for Economic Policy Research / European Bank for Reconstruction and Development / European Central Bank)
2014-2015	President, Sustainable Development Doctoral Society, Columbia University
2015	Lead organiser, Interdisciplinary PhD Workshop on Sustainable Development, Columbia University
2013	Lead organiser, Science and Policy Summer School, Columbia University and Science Po Paris

Invited Seminar Presentations (including scheduled):

2026

- **University of California, Santa Barbara** (Santa Barbara, USA), February 2026

2025

- **Federal Reserve Bank of San Francisco** (San Francisco, USA), November 2025. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **HEC Lausanne** (Lausanne, Switzerland), May 2025. “How DOES Government Funding Fuel Scientists?”
- **ETH Zurich** (Zurich, Switzerland), April 2025. “How DOES Government Funding Fuel Scientists?”
- **Geneva Graduate Institute** (Geneva, Switzerland), Hoffmann Centre for Global Sustainability Seminar, March 2025. “How DOES Government Funding Fuel Scientists?”

2024

- **Paris-Saclay Applied Economics** (Paris, France), Seminar, December 2024.
- **Max Planck Institute for Innovation and Competition** (Munich, Germany), Seminar, November 2024 (scheduled). “How DOES Government Funding Fuel Scientists?”
- **University of Tokyo** (Tokyo, Japan), Economics Seminar, June 2024. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **GRIPS** (National Graduate Institute for Policy Studies, Tokyo, Japan), Seminar, June 2024. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **University of Exeter** (Exeter, UK), Land, Environment, Economics and Policy Institute Seminar, May 2024. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”

- **University of Illinois at Urbana-Champaign** (USA), Agricultural and Consumer Economics Seminar, April 2024. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **Harvard Kennedy School** (Boston, USA), Environmental Economics Seminar, April 2024. “Induced Innovation, Inventors, and the Energy Transition”
- **MIT Sloan School of Management** (Boston, USA), Energy and Environment Seminar, April 2024. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **Vrije Universiteit Amsterdam** (Amsterdam Netherlands), Spatial Economics Seminar, March 2024. “Induced Innovation, Inventors, and the Energy Transition”

2023

- **Norwegian School of Economics** (Bergen, Norway), Business and Management Science Seminar, October 2023. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **University of Pisa** (Pisa, Italy), Economics and Management Seminar, October 2023. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **Virtual Sustainable Development Seminar** (online), June 2023. “Global Coordination Challenges in the Transition to Clean Technology: Lessons from Automotive Innovation”
- **Columbia University**, School of International and Public Affairs, Sustainable Development Seminar, March 2023. “Induced Innovation, Inventors, and the Energy Transition”
- **International Monetary Fund (IMF)** (online), Seminar Series on Climate Change, February 2023. “Induced Innovation, Inventors, and the Energy Transition”
- **University of California, San Diego** (USA), Deep Decarbonization Initiative Seminar (online), February 2023. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Center for Environmental Economics Montpellier** (Montpellier, France), Environmental Economics Seminar, January 2023. “Induced Innovation, Inventors, and the Energy Transition”

2022

- **Université Paris Dauphine-PSL** (Paris, France), Laboratoire d’Économie de Dauphine (LEDa) Seminar, June 2022. “Induced Innovation, Inventors, and the Energy Transition”
- **Toulouse School Economics** (France), Environmental Economics Seminar, May 2022. “Induced Innovation, Inventors, and the Energy Transition”
- **University of East Anglia** (UK), Economics Seminar, May 2022. “Induced Innovation, Inventors, and the Energy Transition”
- **Oxford University** (UK), Climate Economics Seminar, March 2022. “Induced Innovation, Inventors, and the Energy Transition”
- **Oxford University** (UK), INET (Institute for New Economic Thinking) Seminar, March 2022. “Global Coordination Challenges in the Transition to Clean Technology: Lessons from Automotive Innovation”

- **Paris School of Economics** (France), Environmental Economics Seminar, February 2022. “Induced Innovation, Inventors, and the Energy Transition”

2021

- **University of California, Berkeley** (San Francisco, USA) Agricultural and Resources Economics Seminar (online), November 2021. “Induced Innovation, Inventors, and the Energy Transition”
- **Stockholm School of Economics** (Sweden), Stockholm Institute of Transition Economics Seminar (online), October 2021. “Induced Innovation, Inventors, and the Energy Transition”
- **University of Pennsylvania**, The Wharton School, Business Economics and Public Policy Department (Philadelphia, USA), Energy Economics & Finance Seminar (online). February 2021. “Induced Innovation, Inventors, and the Energy Transition”

2020

- **Duke Kunshan University** (Kunshan, China), Economics Seminar (online). December 2020. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Yale University** (New Haven, USA), Environmental Economics Seminar (online). November 2020. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

2019

- **London School of Economics** (London, UK), SEDS (Social and Economic Data Science) Seminar, November 2019. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

2018

- **MIT Sloan** (Boston, USA), Technological Innovation, Entrepreneurship, and Strategic Seminar, January 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Haverford College** (Haverford, USA), Economics Seminar, January 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **University of California, Santa Barbara** (Santa Barbara, USA), Economics / Bren School for the Environmental Joint Seminar, January 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **London School of Economics** (London, UK), Environmental Economics Seminar, January 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Toulouse School of Economics** (Toulouse, France), Environmental Economics Seminar, January 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Tilburg University** (Tilburg, Netherlands), Tilburg Law and Economics Center, February 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

- **University of Oregon** (Eugenie, USA), Economics Seminar, February 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Mines ParisTech** (Paris, France), CERNA Seminar, June 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

Invited Conference Presentations (including scheduled):

2026

- **AEA Conference** (American Economic Association), Philadelphia. January 2026. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”, “How DOEs Government Funding Fuel Scientists?” and “Hot Brains: The Effect of Temperature on Inventor Productivity”

2025

- **Alliance Graduate Summer School, Paris.** June 2025
- **INRAE, Paris.** Workshop « Innovation and Climate Policy ». May 2025
- **University College Dublin.** Workshop on the “Economics of the Global Energy Transition: policy-relevant research for evidence-based policy”. April 2025

2024

- **IFC Flagship Conference on Digital Economy and Development** (International Finance Corporation), Paris (France), January 2024. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **Macroeconomics and Climate ESADE Workshop**, Barcelona (Spain), March 2024. Discussion.
- **EnvEcon Conference**, UKNEE (UK Network for Environmental Economists), London (UK), March 2024. “Induced Innovation, Inventors, and the Energy Transition”
- **SusDev Biennial Research Conference** (Columbia University, Sustainable Development), New York (USA), April 2024. “How DOEs Government Funding Fuel Scientists?”
- **LSE CEP Annual Conference** (London School of Economics, Center for Economic Performance), London (UK), May 2024. “Induced Innovation, Inventors, and the Energy Transition” (scheduled)
- **AERE Conference** (Association of Environmental and Resource Economists), Washington, DC (USA), May 2024. “The Effects of Air Pollution on Inventor Productivity” (scheduled)

2023

- **IEA Congress** (International Economic Association), Medellin (Colombia), December 2024. “Induced Innovation, Inventors, and the Energy Transition”
- **FAERE Conference** (French Association of Environmental and Resource Economists), Montpellier (France), September 2024. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

- **EEA Conference** (European Economic Association), Barcelona (Spain), August 2024. “Induced Innovation, Inventors, and the Energy Transition”
- **NBER EEE Summer Institute “Egg-Timer”** (National Bureau of Economic Research, Environment and Energy Economics), Boston (USA), July 2023. “Induced Innovation, Inventors, and the Energy Transition”
- **EAERE Conference** (European Association of Environmental and Resource Economists), Limassol (Cyprus), June 2023. “Induced Innovation, Inventors, and the Energy Transition”
- **DRUID Conference** (Danish Research Unit for Industrial Dynamics), Lisbon (Portugal), June 2023. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **AERE Conference** (Association of Environmental and Resource Economists), Portland (Maine, USA), May 2023. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **Harvard Business School Junior Innovation Economics Workshop**, Boston (USA), May 2023. “Induced Innovation, Inventors, and the Energy Transition”
- **Welfare and Policy Conference**, Bordeaux (France), May 2023. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **CESifo Energy Climate Area Conference** (Center for Economic Studies and Ifo Institute for Economic Research), Munich (Germany), March 2023. “Induced Innovation, Inventors, and the Energy Transition”

2022

- **Morzine Workshop** on “Sustainable Economy - Harnessing innovation, finance and skills for the low-carbon transition”, Morzine (France), April 2022. “Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?”
- **LSE Environment Week Conference**, London (UK), September 2022. “Induced Innovation, Inventors, and the Energy Transition”
- **University of Bristol Economics of Innovation Workshop**, Bristol (UK), November 2022. “Induced Innovation, Inventors, and the Energy Transition”
- **CEPR’s 5th Joint Research Conference** on Firm Organisation, Firm Financing and Firm Dynamics (FirmOrgDyn 2022), Paris (France). “Induced Innovation, Inventors, and the Energy Transition”
- **LSE CEP Annual Conference**, London (UK), May 2022. “How DOEs Government Funding Fuel Scientists?”
- **SusDev Biennial Research Conference**, Columbia University, New York (USA), April 2022 (online). “Induced Innovation, Inventors, and the Energy Transition”

2021

- **EEA Conference** (European Economic Association), online, August 2021. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

- **CEPR/EBRD/ECB Symposium** on “Climate Change, Finance and Green Growth (Centre for Economic Policy Research / European Bank for Reconstruction and Development / European Central Bank), June 2021. Discussion.
- **NBER Energy Innovation Workshop** (National Bureau of Economic Research), Boston (USA), online, September 2020. “Induced Innovation, Inventors, and the Energy Transition”
- **CEPR Climate Science and Economics Workshop** (Centre for Economic Policy Research), online, March 2021. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **AEA Conference** (American Economic Association), online, Jan 2021. “Global Coordination Challenges in the Transition to Clean Technology: Lessons from Automotive Innovation”

2020

- **NBER Energy Innovation Workshop** (National Bureau of Economic Research), Boston (USA), online, September 2020. “Global Coordination Challenges in the Transition to Clean Technology: Lessons from Automotive Innovation”
- **CESifo Energy and Climate Economics Conference** (Center for Economic Studies and Ifo Institute for Economic Research), online, March 2020. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **IEA Conference** (International Economic Association) (scheduled but cancelled because of COVID)
- **AEA Conference** (American Economic Association), online, January 2021. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

2019

- **EEA Congress** (European Economic Association), Manchester (UK), August 2019. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **Economics of Environmental Policy and Innovation Workshop** (Canada 150 Chair — Climate Economics, Innovation, and Policy), Ottawa (Canada), July 2019. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **EAERE Conference** (European Association of Environmental and Resource Economists), Manchester (UK), June 2019. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **AERE Conference** (Association of Environmental and Resource Economists), Lake Tahoe (USA), May 2019. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

2018

- **University of California, Santa Barbara Occasional California Workshop** on Environmental and Resource Economics, Santa Barbara (USA), November 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

- **NBER Innovation Summer Institute** (National Bureau of Economic Research), Boston (USA), July 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **NBER EEE Summer Institute** (National Bureau of Economic Research, Environment and Energy Economics), Boston (USA), July 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”
- **SELE Annual Meeting** (Society for Environmental Law and Economics), Chicago (USA), June 2018. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime”

Previous Research and Work Experience

2015-2016 Research assistant, Suresh Naidu, Columbia University

2008-2010 Technical brand manager, Research & Development, Procter and Gamble, Belgium

2008 Jan-Jul Research project on nuclear waste management, Tsinghua University, China

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