

Dr EUGENIE DUGOUA

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Appointment

2018 – Assistant Professor in Environmental Economics
London School of Economics
Department of Geography and Environment

Affiliations

2023 – Affiliate, CESifo Research Network
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

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)
- The Effects of Air Pollution on Inventor Productivity, with Ina Drouven (LSE) and Sefi Roth (LSE)

Working Papers

- Induced Innovation, Inventors, and the Energy Transition, with Todd Gerarden (Cornell). Conditionally Accepted at **AER Insights** (2024)
- Global Coordination Challenges in the Transition to Clean Technology: Lessons from Automotive Innovation, with Marion Dumas (LSE). Revise and Resubmit at **PNAS** (2024)
- Andres, Pia, Eugenie Dugoua, and Marion Dumas. "Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation?." (2022).

Journal Publications

- Dugoua, Eugenie (2021) "Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime." Accepted at **The Review of Economics and Statistics** – 29 November 2023.
- 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

- 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](#).

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.

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

Awards and Grants

2023 Geography and Environment Department Seed Fund (£5000)
2022 Journal of Economic Geography Best Referee Award
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
2020 LSE STICERD Research Grant (£5000)

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)
2019	UKERC IVUGER (£3800)
2017-2018	Dissertation Fellowship, Columbia University
2016-2017	Mellon Interdisciplinary Graduate Fellowship, Columbia University
2015	Graduate Global Policy Research fellowship, Columbia University
2012-2017	Dean's Fellowship, Columbia University

Teaching

2021 –	LSE, Department of Geography and environment GY222 Applied Environmental Economics (BSc) (6 weeks) Course coordinator GY426 Environmental and Resource Economics (MSc) (3 weeks) GY420 Environmental Regulation (MSc) (2 weeks)
2021-2022	Deputy Director MSc Environmental Economics and Climate Change
2018-2021	LSE, Department of Geography and environment GY222 Applied Environmental Economics (BSc) (6 weeks) Course coordinator GY426 Environmental and Resource Economics (MSc) (3 weeks) GY420 Environmental Regulation (MSc) (2 weeks) GY455 Economic Appraisal and Evaluation (MSc) (2 weeks)
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 <i>The Age of Sustainable Development</i> (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 (year started)

Ina Drouven (2020), Julien Picard (2019), Yang Zheng (2018), Leanne Cass (2018)

External PhD Examining

Paris Dauphine (Eugenie Joltreau, 2021)

Other Mentoring and Supervision

2023-2024	10 undergraduate mentees, 13 MSc mentees, tbd # Msc dissertations
2022-2023	13 undergraduate mentees, 9 MSc mentees, 7 Msc dissertations
2021-2022	8 undergraduate mentees, 6 MSc mentees, 7 Msc dissertations
2020-2021	11 undergraduate mentees, 6 MSc mentees, 3 UG and 10 MSc dissertations
2019-2020	10 undergraduate mentees, 8 MSc mentees and 10 MSc dissertations
2018-2019	6 undergraduate mentees, 14 MSc mentees and 10 MSc dissertations

Service

2019 –	Member of the organizing and program committee for the annual LSE/Imperial Workshop Environmental Economics
2023 –	Member of the scientific committee of UKNEE and the EnvEcon conference
2023 –	Member of the scientific committee of ITIF's Climate-Tech Policy Boot Camp for Early Career Researchers

- 2024 Member of the scientific committee for the CEPR-NBB 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 – 2024 Member of the scientific committee for the LSE Environment Week and the LSE Environment Day, organized by LSE Dep. of Economics
- 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
- 2014-2015 President, Sustainable Development Doctoral Society, Columbia University
- 2015 Lead organizer, Interdisciplinary PhD Workshop on Sustainable Development, Columbia University
- 2013 Lead organizer, Science and Policy Summer School, Columbia University and Science Po Paris

Referee Service

Review of Economics and Statistics, AEJ Policy, Management Science, The Economic Journal, Journal of the European Economic Association, Journal of the Association of Environmental and Resource Economics, Journal of Environmental Economics and Management, Journal of Economics & Management Strategy, Journal of Economic Geography, Review of Environmental Economics and Policy, PNAS, Nature Energy, Ecological Economics, Environmental and Resource Economics, World Development, Energy Economics, Environment and Development Economics, Nature Sustainability, Energy Policy, Climate Change Economics, Joule.

Invited Conferences and Presentations (including scheduled):

- 2024 IFC Flagship Conference on Digital Economy and Development; VU Amsterdam Spatial Economics Seminar; Workshop on Climate Change Macroeconomics at ESADE Barcelona (discussant); UKNEE EnvEcon Conference; Harvard Environmental Economics Seminar; MIT Sloan Energy and Environment Seminar; Illinois at Urbana-Champaign Agricultural and Consumer Economics Seminar; Exeter LEEP Seminar; AERE Conference; Tokyo GRIPS Seminar.
- 2023 Montpellier CEEM Seminar; IMF Climate Seminar; UC San Diego Deep Decarbonization Initiative Seminar; Columbia Sustainable Development Seminar; CESifo Energy Climate Area Conference; Welfare and Policy Conference, Bordeaux; Harvard Business School Junior Innovation Economics Workshop; AERE Conference; DRUID Conference; EAERE Conference; NBER EEE egg-timer; EEA Conference; FAERE Conference; NHH Norwegian School of Economics, Business and Management Science Seminar; University of Pisa, Dept. Economics and Management Seminar; International Economic Association Congress.
- 2022 Paris School of Economics Environment Seminar; Toulouse School Economics Environment Seminar; University of East Anglia Economics Seminar; Oxford INET Seminar; Oxford Climate Economics Seminar; Paris Dauphine Seminar; Morzine Workshop on “Sustainable Economy - Harnessing innovation, finance and skills for the low-carbon transition”; LSE Environment Week Conference; Bristol Economics of Innovation Workshop; CEPR's 5th Joint Research Conference on Firm Organisation, Firm Financing and Firm Dynamics (FirmOrgDyn 2022).
- 2021 Berkeley Agricultural and Resources Economics Seminar; Stockholm Institute of Transition Economics Seminar; Wharton Energy Economics Seminar; CEPR Economics

of Climate Change Workshop; Discussant at CEPR/EBRD/ECB Symposium on “Climate Change, Finance and Green Growth; AEA Conference

- 2020 Duke Kunshan University Economics Seminar; Yale Environmental Economics Seminar; NBER Energy Innovation Workshop; Cesifo Energy and Climate Economics Conference; International Economic Association Annual Conference (scheduled but Covid canceled); European Economic Association Annual Conference; AEA.
- 2019 AERE Conference; EAERE Conference; Symposium on Technical Change, Innovation and Climate (LSE); CEIP Economics of Environmental Policy and Innovation Workshop (Ottawa); European Economic Association Congress; LSE Data Science Seminar.
- 2018 MIT Sloan Technological Innovation, Entrepreneurship, and Strategic Seminar; Haverford College Economics Seminar; UCSB Economics Seminar; London School of Economics Environmental Economics Seminar; Toulouse School of Economics Environmental Economics Seminar; Tilburg University Tilburg Law and Economics Center; University of Oregon Economics Seminar; Mines ParisTech CERNA Seminar; SELE (Tenth Annual Meeting of the Society for Environmental Law and Economics); NBER Innovation Summer Institute; NBER EEE Summer Institute; UC Santa Barbara Occasional California Workshop on Environmental and Resource Economics.