

Dr EUGENIE DUGOUA

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Appointment

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

Affiliations

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

- Induced Innovation, Inventors, and the Energy Transition, with Todd Gerarden (Cornell)
- Green Innovation in the Car Industry: Spillovers, Policy and Coordination, with Marion Dumas (LSE)
- Producing & Steering Researchers: Evidence from the Energy Innovations, with Todd Gerarden (Cornell), Kyle Myers (HBS) and Jacquelyn Pless (MIT Sloan)
- Using Twitter to Measuring Firm-Level Innovation and Other Intangibles, with Ralf Martin (Imperial) and Jenniffer Solorzano Mosquera (Imperial)
- The Effects of Air Pollution on Inventor Productivity, with Ina Drouven (LSE) and Sefi Roth (LSE)

Working Papers

- Andres, Pia, Eugenie Dugoua, and Marion Dumas. "Directed technological change and general purpose technologies: can AI accelerate clean energy innovation?." (2022).

- Dugoua, Eugenie (2021) Induced innovation and international environmental agreements: evidence from the Ozone regime. Grantham Research Institute on Climate Change and the Environment Working Papers (363). (R&R at The Review of Economics and Statistics)

Journal Publications

- 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. 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](#).
- 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](#).

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

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 *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 (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

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

2022 – External examiner, Goldsmith, MSc Management of Innovation
 2020 – Member of the scientific committee for the Annual Congress of the European Economic Association
 2019 – Member of the organizing and program committee for the annual LSE Workshop in Environmental Economics
 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, Management Science, Journal of the Association of Environmental and Resource Economics, Review of Environmental Economics and Policy, World Development, Energy Economics, Nature Sustainability, Energy Policy, Climate Change Economics, Journal of Economic Geography, Joule.

Invited Conferences and Presentations (including scheduled):

- 2023 Montpellier CEEM; IMF Climate Seminar; UC San Diego Deep Decarbonization Initiative
- 2022 Paris School of Economics; Toulouse School Economics; University of East Anglia (economics); Oxford (INET); Oxford (Climate Economics); Paris Dauphine; LSE Environment Week; Bristol Economics of Innovation Workshop; 5th Joint Research Conference on Firm Organisation, Firm Financing and Firm Dynamics (FirmOrgDyn 2022) (CEPR).
- 2021 Berkeley (Agricultural and Resources Economics), Stockholm (Institute of Transition Economics), Wharton (Energy Economics), CEPR (Economics of Climate Change), Discussant at CEPR/EBRD/ECB Symposium on "Climate Change, Finance and Green Growth, AEA
- 2020 Duke Kunshan University (economics), Yale (Environmental Economics Seminar), NBER (Energy Innovation September Meeting), Cesifo (Energy and Climate Economics), New Approaches to Sustainable and Inclusive Growth Conference (Hangzhou, China, scheduled), International Economic Association Annual Conference (scheduled), European Economic Association Annual Conference (organized session), AEA (scheduled)
- 2019 AERE summer conference, EAERE annual conference, Symposium on Technical Change, Innovation and Climate (LSE), CEIP Economics of Environmental Policy and Innovation Workshop (Ottawa), European Economic Association Congress, LSE SEDS 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, 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).