

## Dr EUGENIE DUGOUA

Email: e.dugoua@lse.ac.uk

Website: eugeniedugoua.com

### 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  
2012-2013 Graduate Diploma in Economics, University of London  
2005-2008 Diplôme d'Ingénieur, Chimie-ParisTech  
*Equivalent to BSc and MSc in Chemistry and Chemical Engineering*  
2006-2007 Cycle in International Management, Ecole des Ponts ParisTech

### Research Interests

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

### Work in Progress

- Dugoua, Eugenie, and Marion Dumas. “Green Innovation in Production Networks: Empirical Evidence from the Auto Industry.”
- Dugoua, Eugenie, and Todd Gerarden. “Induced Innovation, Inventors, and the Energy Transition.”
- Dugoua, Eugenie, Charlotte Guillard, Ralf Martin, and Jenniffer Solorzano Mosquera. “Using Twitter to Measuring Firm-Level Innovation and Other Intangibles”
- Andres, Pia, Eugenie Dugoua and Marion Dumas. “From AI to Green: Can Spillovers Accelerate the Green Transition?”

### Working Papers

- Dugoua, Eugenie. “Induced Innovation and International Environmental Agreements: Evidence from the Ozone Regime.”
- Dugoua, Eugenie, Ryan Kennedy, and Johannes Urpelainen. “Assessing Reliability of Electricity Grid Services from Space: The Case of Uttar Pradesh, India”

## Publications

5. Alem, Yonas, and Eugenie Dugoua. 2021. "Peer Effects and Technology Diffusion: Experimental Evidence with Solar Lanterns in India." *Economic Development and Cultural Change* (Accepted).
4. Dugoua, Eugenie, and Marion Dumas. 2021. "Green Product Innovation in Industrial Networks: A Theoretical Model." *Journal of Environmental Economics and Management*, January, 102420.
3. 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.
2. 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.
1. 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

- |             |  |
|-------------|--|
| 2018-2021   | LSE, Department of Geography and environment<br>GY222 Applied Environmental Economics (BSc) (6 weeks)<br>Course coordinator<br>GY426 Environmental and Resource Economics (MSc) (3 weeks)<br>GY420 Environmental Regulation (MSc) (2 weeks)<br>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 (2017)

### **Other Mentoring and Supervision**

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**

Since 2020 Member of the scientific committee for the Annual Congress of the European Economic Association  
Since 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**

Management Science, Journal of the Association of Environmental and Resource Economics, World Development, Energy Economics, Nature Sustainability, Energy Policy, Climate Change Economics, International Journal of Remote Sensing, Remote Sensing, Sustainability, Empirical Economics, International Journal of Environmental Research and Public Health.

### **Invited Conferences and Presentations:**

2021 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), Oxford (INET, scheduled), 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).