

Pia Andres

ASSISTANT PROFESSOR · DURHAM UNIVERSITY

Room 381, Durham University Business School, Mill Hill Lane, Durham DH1 3LB

✉ pia.k.andres@durham.ac.uk | 🏠 piaandres.com | 🌐 piaandres

Academic Appointments

- Since 2025 **Assistant Professor**, Law School & Economics Department, Durham University
2023–2025 **Research Economist**, Centre for Economic Performance, London School of Economics
2022–2023 **Researcher**, Oxford Martin School, University of Oxford

Affiliations

- Since 2025 **Associate**, Centre for Economic Performance, London School of Economics

Research Visits

- 2024 **Visiting Fellow**, Growth Lab, Harvard Kennedy School
2022 **Visiting Scholar**, Department of Economics, University of Oslo
2021 **Visiting Scholar**, Columbia University School of International and Public Affairs

Education

PhD Environmental Economics

LONDON SCHOOL OF ECONOMICS

2018–2024

- Thesis: Essays on Trade, Competitiveness and Innovation in the Transition to Clean Technology
- Supervisors: Dr Roger Fouquet, Dr Misato Sato

MSc Environmental Economics and Climate Change

LONDON SCHOOL OF ECONOMICS

Distinction

2017–2018

MA Social Sciences with Honours, Economics

UNIVERSITY OF GLASGOW

First Class Honours

2013–2017

Current Research

FIELDS OF INTEREST

Primary Economics of Innovation and Technological Change, Environmental Economics

Secondary International Economics, Economic Geography and Complexity, Game Theory

SELECTED WORK-IN-PROGRESS

Clean Innovation and Employment in the UK (with Ralf Martin)

Remote Control: Aligning Incentives in a World of Remote Work (with Carl Benedikt Frey & Giorgio Presidente)

Publications

REFEREED PUBLICATIONS

Andres, Pia. 2024. Adapting to Competition: Solar PV Innovation in Europe And the Impact of the ‘China Shock’. *Environmental and Resource Economics* 87 (12), 3095–3129

Andres, Pia, Penny Mealy, Nils Handler, and Samuel Fankhauser. 2023. Stranded Nations? Transition Risks and Opportunities Towards a Clean Economy. *Environmental Research Letters* 18 (4), 045004

WORKING PAPERS

Carl Benedikt Frey, Giorgio Presidente, and **Pia Andres**. 2024. Data-Biased Innovation: Directed Technological Change and the Future of Artificial Intelligence. *The Oxford Martin Working Paper Series on Technological and Economic Change*

Andres, Pia. 2024. Industrial Policy and Global Public Goods Provision – Rethinking the Environmental Trade Agreement. *Grantham Research Institute on Climate Change and the Environment Working Paper 388*

Andres, Pia, Eugenie Dugoua, and Marion Dumas. 2022. Directed Technological Change and General Purpose Technologies: Can AI Accelerate Clean Energy Innovation? *Grantham Research Institute on Climate Change and the Environment Working Paper 378*

BOOK CHAPTERS

Dumas, Marion and **Pia Andres**. 2026. Decarbonizing a Complex System. In: del Rio-Chanona et al. (eds.) *The Economy as a Complex Evolving System IV*. Santa Fe: SFI Press, 184–220

POLICY PAPERS

Serin, Esin, **Pia Andres**, Ralf Martin, Maxwell Read, Arjun Shah, and Anna Valero. 2024. *The green industrial policy matrix: Informing an industrial strategy for clean energy technologies*. London: London School of Economics and Political Science.

Serin, Esin, **Pia Andres**, Ralf Martin, Arjun Shah, and Anna Valero. 2023. *Seizing sustainable growth opportunities from tidal stream energy in the UK*. London: London School of Economics and Political Science.

Serin, Esin, Anna Valero, Ralf Martin, Arjun Shah, **Pia Andres**, and Penny Mealy. 2021. *Seizing sustainable growth opportunities from carbon capture, usage and storage in the UK*. London: London School of Economics and Political Science.

Andres, Pia, and Penny Mealy. 2021. *Navigating the green transition: insights for the G7*. London: London School of Economics and Political Science.

Unsworth, Sam, **Pia Andres**, Giorgia Cecchinato, Penny Mealy, Charlotte Taylor, and Anna Valero. 2020. Jobs for a strong and sustainable recovery from Covid-19. *CEPCOVID-19-010*

Awards, Fellowships & Grants

2025	Participation Grant (EAERE Annual Conference 2025) , European Association of Environmental and Resource Economists	€500
2024	GEOCEP secondment research allowance , European Union through Horizon 2020	€4,263
2022	PhD Knowledge Exchange and Impact Grant , LSE Knowledge Exchange and Impact	£5,000
2021	Fulbright-Schuman Visiting Student Researcher Grant , Fulbright Commission in Belgium Fulbright AT&T Award , Fulbright Commission in Belgium	€10,000 \$5,000
2020	Lean Accelerator Venture Grant , LSE Innovation	£2,000
2018–2022	Grantham Research Institute PhD Scholarship , London School of Economics	Tuition & stipend

Presentations

INVITED TALKS

2026 **University of Galway Economics Department**, Research Seminar

2025 **European Commission**, ECFIN-JRC Annual Research Conference 2025 · Presenter

LSE Grantham Research Institute, Energy Economics and Policy Workshop · Panellist

London School of Economics, LSE-HM Treasury Areas of Research Interest Growth Conference · Panellist

UK Department for Energy Security and Net Zero, Trade and Industrial Strategy Roundtable · Participant

- 2024 **World Bank Group**, Climate Change Learning Series · Presenter
National Bank of Belgium, Conference on Deglobalisation, Decarbonisation, and Digitalisation · Discussant
Stockholm Institute of Transition Economics, Research Seminar
- 2023 **University of Oxford**, Symposium on Technology and Global Change · Presenter
University of Essex, PhD Workshop on Global Political Challenges · Presenter
UCL Institute for Global Prosperity, Festschrift for Alan Kirman · Presenter
- 2022 **UCL Centre for Advanced Spatial Analysis**, Workshop on Economic Complexity · Presenter
Institute for New Economic Thinking at the Oxford Martin School, Research Seminar
Department of Economics, Oslo Metropolitan University, Research Seminar
- 2021 **London School of Economics**, Economics Symposium 2021: Towards Net Zero · Chair
COP26 Side Event, Economics and Policy for Climate Compatible Growth · Panellist
British Institute of Energy Economists, Energy for a Net Zero Society · Panellist
UK Network for Environmental Economists, Spring Webinar

SELECTED CONFERENCES & WORKSHOPS

- 2026 **Durham University Economics Department**, Research Seminar
- 2025 **Durham University & Competition and Markets Authority**, Workshop on Productivity, Business Dynamism and Market Power
Santa Fe Institute & Universidad de los Andes, Complexity Global School for Emerging Political Economies
European Association for Environmental and Resource Economists, Annual Conference
Grantham Research Institute on Climate Change and the Environment, Grantham Workshop
- 2024 **Centre for Economic Performance**, Programme on Innovation and Diffusion Research Seminar
- 2023 **Santa Fe Institute**, Workshop: Complex System Approaches to 21st Century Challenges – Inequality, Climate Change, and New Technologies
European Association for Environmental and Resource Economists, Annual Conference
Kiel Institute for the World Economy, Workshop: The role of public research and innovation measures on mitigating climate change
University of Oxford, Nuffield Postdoctoral Seminar in Economics
Institut d’Economia de Barcelona & University of Barcelona, XI International Academic Symposium: Green investments for the energy transition
European Association for Environmental and Resource Economists & ETH Zurich, European Winter School on Climate Policies, Innovation, and International Competitiveness
- 2022 **European Association for Environmental and Resource Economists**, Annual Conference
Columbia School of International and Public Affairs, Interdisciplinary PhD Workshop in Sustainable Development
- 2021 **European Association for Environmental and Resource Economists**, Annual Conference
London School of Economics & Imperial College London, Workshop in Environmental Economics
- 2020 **Columbia School of International and Public Affairs**, Interdisciplinary PhD Workshop in Sustainable Development

Teaching

- 2025 **Ecology and Humanity · From Kyoto to the Inflation Reduction Act: a Brief History of Climate Economics**, Guest Lecturer, Stanford Program in Oxford
- 2024-2025 **Operational Risk for Financial Institutions · Low Carbon Transition Risks and Opportunities**, Guest Lecturer, UCL Department of Computer Science
- 2024-2025 **The Challenge of Globalisation · Climate and the World Economy**, Lecturer, Lincoln College Oxford · including syllabus design
- 2023 **Environmental Resource Governance**, Tutor, Oxford Study Abroad Programme · including syllabus design
- 2019-2020 **EC102 Economics B**, Graduate Teaching Assistant, LSE Department of Economics
- 2019 **GY313 Firms and Economic Geography**, Graduate Teaching Assistant, LSE Department of Geography and Environment

Other Professional Experience

- 2023-2024 **Consultant**, World Bank Group · Contract
- 2021-2022 **Research Assistant**, School of Geography and Environment, University of Oxford · Contract
- 2019-2021 **Analyst**, Vivid Economics · Part-time
- 2017-2022 **Research Assistant**, Grantham Research Institute, London School of Economics · Contract

Impact, Service & Memberships

RESEARCH IMPACT

- Since 2020 **Green Transition Navigator**, Interactive web tool visualising measures of countries' green competitiveness and asset stranding risk (with Penny Mealy) · development and maintenance · users include the World Bank Group, IMF, and UK Government
- 2024 **World Development Report 2024: The Middle Income Trap**, Contributor

SERVICE

- 2026 **Knowledge Exchange Workshop, Durham University Business School & Northern Powerhouse Partnership**, Organiser
- 2025 **Research Seminar, LSE Programme on Productive and Inclusive Net Zero**, Organiser
- 2019-2021 **Economics PhD work-in-progress seminar, LSE Geography and Environment**, Organiser

EDITORIAL EXPERIENCE

- Since 2024 **Special Issue on 'Accelerating the Transition to Climate Compatible Technology', Frontiers in Environmental Economics**, Lead Topic Editor

PEER REVIEW

- Journal articles** Research Policy, Environmental and Resource Economics, Environmental Research Communications, Resource and Energy Economics, Economic Modelling, Management Science
- Conferences** LSE/Imperial Environmental Economics Workshop 2025

PROFESSIONAL MEMBERSHIPS

- European Association of Environmental and Resource Economists · Member
- UK Higher Education Academy · Associate Fellow