

Patrick Bayer

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University of Glasgow
School of Social and Political Sciences
42 Bute Gardens, room 1317
Glasgow, G12 8RS
United Kingdom

Phone (office): +44(0)141/330-6196
Email: patrick.bayer@glasgow.ac.uk
Web: www.patrickbayer.com
Bluesky: [@patrickbayer.bsky.social](https://bsky.app/profile/patrickbayer.bsky.social)
Google Scholar: [Google Scholar profile](#)

Current Employment and Affiliations

- 2023– UNIVERSITY OF GLASGOW
Professor, School of Social and Political Sciences (05/2023–)
Subject Group Lead, International Political Economy & Development (09/2024–)
- 2024– BROWN UNIVERSITY
Nonresident Scholar, Climate Social Science Network (CSSN) (06/2024–)
- 2018– JOHNS HOPKINS UNIVERSITY
Nonresident Fellow, Initiative for Sustainable Energy Policy (ISEP) (07/2017–)

Previous Positions

- 2019–23 UNIVERSITY OF STRATHCLYDE
Reader, School of Government & Public Policy (05/2022–04/2023)
Senior Lecturer, School of Government & Public Policy (07/2019–04/2022)
- 2016–19 UNIVERSITY OF GLASGOW
Lecturer, School of Social and Political Sciences (01/2016–06/2019)
- 2014–15 WASHINGTON UNIVERSITY IN ST. LOUIS
Postdoctoral Fellow, Department of Political Science (01/2014–12/2015)
- 2012–13 UNIVERSITY OF MANNHEIM
Research Associate, Department of Political Science (09/2012–12/2013)
- 2011–12 COLUMBIA UNIVERSITY
Visiting Scholar, Department of Political Science (09/2011–08/2012)

Research Interests

International relations; cooperation and institutions; political economy of environmental and energy politics; formal and quantitative methods

Education

- 2013 PhD, Political Science, University of Mannheim *summa cum laude*
- 2008 MSc, Environmental and Resource Economics, University College London *distinction*
- 2007 BA, Philosophy and Economics, University of Bayreuth *distinction*

Prizes

- 2021 APSA Science, Technology & Environmental Politics (STEP) Section *Emerging Young Scholar Award*, “given in recognition of a researcher, within 10 years of completing their Ph.D. degree, who is making notable contributions to the field of science, technology, and environmental politics.”
- 2013 ECPR Jean-Blondel Ph.D. Prize, runner-up.
- 2013 Lorenz-von-Stein Prize for the best dissertation in the social sciences, School of Social Sciences, University of Mannheim, €1,000.
- 2013 Karin-Islinger Prize for the best dissertation in political economy, Department of Economics, University of Mannheim, €1,000.

Books

1. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2018. *Escaping the Energy Poverty Trap: When and How Governments Power the Lives of the Poor*. Cambridge, MA, MIT Press.
— Reviews by [Caitlin Robinson](#) and [Elizabeth Chatterjee](#)

Publications

28. Bayer, Patrick, Lorenzo Crippa, Hannah Hughes, and Erlend Hermansen. 2024. [Government Participation in Virtual Negotiations: Evidence from IPCC Approval Sessions](#). *Climatic Change* 177: 132.
27. Patrick Bayer and Lena Schaffer. 2024. [Distributional Consequences Shape Public Support for the EU Carbon Border Adjustment Mechanism: Evidence from four European Countries](#). *Environmental Research Letters* 19(8): 084040.
26. Bayer, Patrick. 2023. [Foreignness as a Asset: European Carbon Regulation and the Relocation Threat among Multinational Firms](#). *Journal of Politics* 85(4): 1291-1304.
25. Michaël Aklin and Patrick Bayer. 2023. The Politics of Sustainability: Energy Efficiency, Carbon Pricing, and the Circular Economy. In: Scholten, Daniel. *Handbook of Geopolitics of the Energy Transition* (pp.247-262). Cheltenham: Edward Elgar.
24. Bayer, Patrick and Federica Genovese. 2020. [Beliefs about Climate Action Consequences under Weak Global Institutions: Sectors, Home Bias, and International Embeddedness](#). *Global Environmental Politics* 20(4): 28-50.
23. Bayer, Patrick and Michaël Aklin. 2020. [The European Union Emissions Trading System Reduced CO₂ Emissions Despite Low Prices](#). *PNAS* 117(16): 8804-8812.
— Coverage: [PNAS In this Issue](#), [Ars Technica](#).
22. Bayer, Patrick, Ryan Kennedy, Joonseok Yang, and Johannes Urpelainen. 2020. [The Need for Impact Evaluation in Electricity Access Research](#). *Energy Policy* 137: 111099.
21. Hamburger, David, Joel Jaeger, Patrick Bayer, Ryan Kennedy, Joonseok Yang, and Johannes Urpelainen. 2019. [Shades of Darkness or Light? A Systematic Review of Geographic Bias in Impact Evaluations of Electricity Access](#). *Energy Research & Social Science* 58: 101236.

20. Bayer, Patrick and Alexander Ovodenko. 2019. [Many Voices in the Room: A National Survey Experiment on How Framing Changes the Views Towards Fracking in the United States](#). *Energy Research & Social Science* 56: 101213.
19. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2018. [Economics of Household Technology Adoption in Developing Countries: Evidence from Solar Technology Adoption in Rural India](#). *Energy Economics* 72: 35-46.
18. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2017. [Does Basic Energy Access Generate Socio-Economic Benefits? A Field Experiment with Off-Grid Solar Power in India](#). *Science Advances* 3(5): e1602153.
— Coverage: *The Economist*, *Reuters*, *Economic Times*, *Business Standard*, and others.
17. Bayer, Patrick and Johannes Urpelainen. 2016. [It's All About Political Incentives: Democracy and the Renewable Feed-In Tariff?](#) *Journal of Politics* 78(2): 603-619.
16. Bayer, Patrick, Johannes Urpelainen, and Alice Xu. 2016. [Explaining Differences in Sub-National Patterns of Clean Technology Transfer to China and India](#). *International Environmental Agreements: Politics, Law and Economics* 16(2): 261-283.
15. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2015. [The Political Economy of Energy Access: Survey Evidence from India on State Intervention and Public Opinion](#). *Energy Research and Social Science* 10: 250-258.
14. Bayer, Patrick, Christopher Marcoux, and Johannes Urpelainen. 2015. [When International Organizations Bargain: Evidence from the Global Environment Facility](#). *Journal of Conflict Resolution* 59(6): 1074-1100.
13. Bayer, Patrick, Valerie Pinkerton, and Johannes Urpelainen. 2015. [Small and Beautiful? The Programme of Activities and the Least Developed Countries](#). *Climate and Development* 7(2): 153-164.
12. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2015. [Quantifying Slum Electrification in India and Explaining Local Variation](#). *Energy* 80: 203-212.
11. Bayer, Patrick, Christopher Marcoux, and Johannes Urpelainen. 2014. [Choosing International Organizations: When Do States and the World Bank Collaborate on Environmental Projects?](#) *Review of International Organizations* 9(4): 413-440.
10. Bayer, Patrick, Johannes Urpelainen, and Alice Xu. 2014. [Laissez Faire and the Clean Development Mechanism: Determinants of Project Implementation in Indian States, 2003-2011](#). *Clean Technologies and Environmental Policy* 16(8): 1687-1701.
9. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2014. [Information and Energy Policy Preferences: A Survey Experiment on Public Opinion about Electricity Pricing Reform in Rural India](#). *Economics of Governance* 15(4): 305-327.
8. Bayer, Patrick and Johannes Urpelainen. 2014. [Does It Pay to Play? How Bargaining Affects Donor Participation in the Funding of Environmental Protection](#). *Strategic Behavior and the Environment* 4(3): 263-290.

7. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2014. [Who Blames Corruption for the Poor Enforcement of Environmental Laws? Survey Evidence From Brazil.](#) *Environmental Economics and Policy Studies* 16(3): 241-262.
6. Bayer, Patrick, Christopher Marcoux, and Johannes Urpelainen. 2013. [Leveraging Private Capital for Climate Mitigation: Evidence from the Clean Development Mechanism.](#) *Ecological Economics*. 96: 14-24.
5. Aklin, Michaël, Patrick Bayer, S.P. Harish, and Johannes Urpelainen. 2013. [Understanding Environmental Policy Preferences: New Evidence from Brazil.](#) *Ecological Economics* 94: 28-36.
4. Bayer, Patrick, Lindsay Dolan, and Johannes Urpelainen. 2013. [Global Patterns of Renewable Energy Innovation, 1990-2009.](#) *Energy for Sustainable Development* 17(3): 288-295.
3. Bayer, Patrick, Johannes Urpelainen, and Jeremy Wallace. 2013. [Who Uses the Clean Development Mechanism? An Empirical Analysis of Projects in Chinese Provinces.](#) *Global Environmental Change* 23(2): 512-521.
2. Bayer, Patrick and Johannes Urpelainen. 2013. [External Sources of Clean Technology: Evidence from the Clean Development Mechanism.](#) *Review of International Organizations* 8(1): 81-109.
1. Bayer, Patrick and Johannes Urpelainen. 2013. [Funding Global Public Goods: The Dark Side of Multilateralism.](#) *Review of Policy Research* 30(2): 160-189.

Working Papers

- Bayer, Patrick and Federica Genovese. Climate Policy Costs, Regional Politics and Backlash against International Cooperation (revise and resubmit).
- Bayer, Patrick, Lorenzo Crippa, and Federica Genovese. Energy Transition, Financial Markets, and New EU Interventionism (under review).
- Bayer, Patrick, Lorenzo Crippa, Hannah Hughes, and Erlend Hermansen. Mapping Engagement Levels of Governments in IPCC Approval Meetings by Topic from Text (under review).
- Bayer, Patrick and Jonas Bunte. Carbon Disclosure and Government Support in Export Credit Finance (under review).
- Bayer, Patrick and Lorenzo Crippa. Government Influence in Information Production of International Organizations: Evidence from the IPCC.
- Bayer, Patrick and Lorenzo Crippa. The Politics of Personal Ties in International Climate Science Production.
- Bayer, Patrick, Aykut Ozturk, and Sergi Pardos-Prado. Climate Risks and Migration Intentions.
- Bayer, Patrick. Compliance with International Environmental Regulation: Installation-Level Evidence from European Carbon Markets.

Grants

7. British Academy/Leverhulme Small Grant (5/2022-10/2023). How Credible are Firms' Voluntary Climate Commitments? An Empirical Analysis of Corporate Climate Action (SG2122\210041). PI, £9,250.
6. ESRC (1/2022-6/2025). The Politics of Science in International Climate Cooperation (ES/W001373/2). PI, £499,935.
5. Carnegie Trust Research Incentive Grant (6/2021-6/2022): The Sectoral Politics of Climate Policy: Domestic Conflict and UK Public Support for Ambitious Climate Action (RIG009238). PI, £14,125.
4. British Academy/Leverhulme Small Grant (1/2018-3/2019): The Effectiveness of Carbon Markets in Europe, 2005-2012 (SG171349). PI, £7,813.
3. Resources for the Future (8/2015-7/2016). John V. Krutilla Research Stipend: The Local Economics and Politics of Shale Gas Energy in the US. Co-I (with Alexander Ovodenko), \$5,500.
2. German Research Foundation (9/2014-8/2018): The Domestic Foundation of Governmental Preferences over European Politics. Co-I (with Thomas König), €408,000.
1. International Growth Center (11/2013-5/2015): Rural Electrification with Off-Grid Community Microgrids: An Impact Evaluation in Uttar Pradesh. Co-I (with Michaël Aklin, S.P. Harish, and Johannes Urpelainen), £26,653.

PhD studentships

2. ESRC Open Collaborative PhD studentship, supervisor-led competition (9/2022-2/2026): Sustainable Development and Citizenship in Africa. Co-I (with Robert Mattes; external partner: Afrobarometer).
1. ESRC Advanced Quantitative Methods PhD studentship, supervisor-led competition (9/2020-8/2024): Strategic and Relational Models of International Climate Treaty-Making. PI.

Data

2019 European Union Sectoral Emissions Data (EUSED): EUSED provides CO₂ emissions for 33 countries, disaggregated into seven sectors which are matched between UNFCCC sectors (CRF) and EU ETS activities, 1990-2016. Available from [Harvard Dataverse](#).

Service and Leadership

External service

- 2024– Associate Deputy Editor *Climatic Change*.
- 2024– External Examiner, School of Government and Public Policy, University of Strathclyde
- 2021– Editorial Board of the Institute for Replication (I4R).
- 2021– Editorial Board of the Cambridge University Press Elements book series *Organizational Response to Climate Change: Business, Governments, and Nonprofits*.
- 2018– Steering Group “Environmental Politics and Governance” (EPG) network
Conference Chair, 9th Annual EPG Conference 2023, University of Glasgow
Organizing Executive Committee (06/2021-06/2024)
- 2020– Member of AQM Selection Panel, Scottish Graduate School of Social Sciences
- 2018–22 External Examiner, Department of Government, University of Essex

University of Glasgow

- 2023–24 Research Director, Politics & International Relations
- 2018–19 REF2021 Impact Case Study Lead, College of Social Sciences
- 2017–19 Undergraduate Advisor of Studies, College of Social Sciences
- 2017–19 Chair of Postgraduate Exam Board, Politics
- 2016–19 Member of Postgraduate Committee, School of Social and Political Sciences
- 2016–19 Academic Director MSc/MRes in International Relations, Politics

University of Strathclyde

- 2022–23 Member on the Faculty Board of Study
- 2021–23 Member of the Research Committee, School of Government and Public Policy
- 2021–23 Member of the Postgraduate Committee, School of Government and Public Policy
- 2019–23 Member of the Global Environmental Measurement & Monitoring (GEMM) Network

PhD Supervision

Ongoing

- 2021–24 Scott McFadden, Strathclyde: Renewable Energy and its Effect on Interstate Conflict, supervision with Richard Johnson and Max Gallop

Completed

- 2019–23 Hannah Salamon, Strathclyde: *The Effects of Institutional Gender Makeup and Gender Equality on Climate Change Policies and Outcomes*, supervision with Stefanie Reher
- 2018–22 Isabel Rodriguez Toribio, Glasgow: *Shades of (In)formality: The Study of Informal Intergovernmental Organizations and Empirical Evidence from the Financial Action Task Force*, supervision with Kelly Kollman and Alvis Favotto

Scholarships

- 2014–16 Post-doctoral research fellowship at Washington University in St Louis, Department of Political Science, DAAD, €60,000.
- 2011–12 ERP pre-doctoral research fellowship at Columbia University, Department of Political Science, Studienstiftung des deutschen Volkes, \$49,000.
- 2008–11 PhD fellowship. German Research Foundation (DFG) and Studienstiftung des deutschen Volkes, for doctoral studies at University of Mannheim, €44,400.
- 2007–08 James Lanner Memorial scholarship. University College London, Department of Economics, for study of MSc in Environmental Economics, £5,000.
- 2007–08 Hölderlin fellowship, Siemens Management Consulting, for study of MSc in Environmental Economics at University College London, €5,000.
- 2007–08 Postgraduate fellowship. German Academic Exchange Service (DAAD), for study of MSc in Environmental Economics at University College London, €17,100.
- 2003–08 Undergraduate fellowship. Studienstiftung des deutschen Volkes and Federal State of Bavaria, for study of BA in Philosophy & Economics at University of Bayreuth, €30,300.

Teaching

- 2021 Nominated for Teaching Excellence Awards, Strathclyde Student Union
- 2019 PgCert in Academic Practice, University of Glasgow

Current teaching

- 2024– Climate, Energy, and International Relations (Glasgow, graduate)
- 2024 International Climate and Energy Politics (Lucerne, graduate)

Previous teaching (selection)

- 2023 International Institutions and Regimes (Lucerne, undergraduate)
- 2021–23 Global Energy Politics and Policy (Strathclyde, graduate)
- 2020–21 International Institutions and Regimes (Strathclyde, graduate)
- 2018–19 International Organizations (Glasgow, graduate)
- 2016–19 International Relations Research (Glasgow, graduate)
- 2016–18 Global Environmental Politics (Glasgow, undergraduate)
- 2017 (Mixed) Methods in International Cooperation: Theory & Application (EITM)

Blogs

- 2021 [Cambridge University Press 1584 blog](#) (21 October 2021): Domestic Politics at the Root: Obstacles and Opportunities at the Glasgow COP.
[The Conversation](#) (6 October 2021): COP26: What's the Point of this Year's UN Climate Summit in Glasgow.
[LSE EUROPP](#) (11 August 2021): The Political Battle over the EU's New Climate Plan is just Beginning.
- 2020 [ISEP policy brief](#) (27 February 2020): An Overview of What We Know about Socio-Economic Impacts from Electricity Access in the Developing World.
- 2018 [ISEP policy brief](#) (14 May 2018): Cap Setting and Strict Compliance Enforcement will be Critical for Chinese Emissions Trading Scheme.
 — Reprinted in [EuropeNow Special Feature](#) on “Europe-China Relations,” Council for European Studies, Columbia University.
[ISEP blog post](#) (29 April 2018): The Importance of Entrepreneurial Spirit for Adoption of Solar Microgrids.
- 2017 [ISEP policy brief](#) (15 August 2017): Small Off-grid Solar Systems Displace Kerosene, but Evidence for Social and Economic Impact Remain Weak.
[VoxDev](#) (19 July 2017): Determining the Social and Economic Benefits of Basic Energy Access in Rural India.
[Ideas for India \(I4I\)](#) (17 July 2017): Off-grid Solar Power and the Future of Rural Electrification in India.
- 2016 [theenergycollective](#) (23 August 2016): Beyond Growing Pains: Germany's New Normal in Renewable Energy Policy.
[Washington Post Monkey Cage](#) (14 March 2016): The Paris Climate Agreement Calls For Big Investments in Renewable Energy. Here's Why Governments Love It.
- 2015 [Ideas For India \(I4I\)](#) (17 April 2015): Can Solar Micro-grids Deliver Basic Electricity Access in Indian Villages?

Media

- 2023 [Deutschlandfunk](#) (21 September 2023): Wie Schottland seine Klimaziele erreichen will.
- 2022 [Financial Times](#) (12 February 2022, interview with Camilla Hodgson): What Next after COP26? Gas Crisis Shadows the Road from Glasgow to Sharm el-Sheikh.
- 2021 [TV5 Le Monde](#) (30 October 2021, interview with Margo Hutton): Climat: Quelle sont les avancées depuis la COP21?
[Newstalk ZB Radio, New Zealand](#) (14 October 2021): Expert: NZ's Appearance at COP 26 in Glasgow 'important.'
[Tortoise Media](#) (29 September 2021, interview with Ellen Halliday): What Do the German Elections Mean for COP26?
[Capital Monitor](#) (16 August 2021, interview with Elizabeth Meager): IPCC Warning Adds Urgency to Calls for Global Carbon Pricing.

Webinars

- 2022 [Deep Climate Conversations](#), EPG webinar (8 December 2022): Assessing COP27.
- 2021 [European Studies Center webinar](#), University of Pittsburgh (7 December 2021): COP26 and the European Green Deal.
[Coriolis Technologies webinar](#) (11 November 2021): My Word is my Green Bond—Beyond the Securitization of Sustainable Energy.
[University of Exeter webinar](#), Business School (28 October 2021): Can Carbon Markets Solve the Climate Crisis.
- 2020 [ISEP webinar](#) (5 March 2020): Why the ‘Where’ and ‘How’ Matters for Impact Evaluations in Electricity Access Research: Evidence from a Systematic Review.

Invited Talks and Conferences

- 2024 Bergen; PEIO (Stockholm); EPSA (Cologne); APSA (Philadelphia); COP (Baku).
- 2023 GRIPE; MPSA (Chicago); King’s College; CompText (Glasgow); EPSA (Glasgow); EPG (Glasgow); APSA (LA); Bergen; COP28 (Dubai)
- 2022 EPSA (Prague); ETH Zurich; APSA (Montreal); COP27 (Sharm el-Sheikh)
- 2021 LSE European Institute (virtual)
- 2020 Vanderbilt; EPG (virtual); Virtual IPES
- 2019 PEIO (Salzburg); Pittsburgh; EPG (UCSB); European Commission (Brussels)
- 2018 PSA PolMeth; EPSA (Vienna); EPG (Stockholm)
- 2017 PEIO (Bern); MPSA; Essex; EPSA (Milano)
- 2016 LSE; ISA (Atlanta); EPG (Zurich)
- 2015 PEIO (Berlin); Mannheim; Urbana-Champaign; Glasgow; MPSA
- 2014 Mannheim; MPSA; Oxford; ETH Zurich; APSA (DC); IPES (Georgetown); Amsterdam
- 2013 PEIO (Mannheim); EPSA (Barcelona)

Peer Review

Journals *American Journal of Political Science*; *American Political Science Review*; *Applied Energy*; *Applied Mathematical Modelling*; *British Journal of Political Science*; *Carbon Neutrality*; *Climatic Change*; *Climate and Development*; *Climate Policy*; *Climatic Change*; *Cogent Social Sciences*; *Ecological Economics*; *Energies*; *Energy Economics*; *Energy Policy*; *Environment and Planning C*; *Environmental Politics*; *European Journal of International Relations*; *Global Environmental Change*; *Global Environmental Politics*; *International Environmental Agreements*; *International Interactions*; *International Studies Quarterly*; *Journal of Business Ethics*; *Journal of Cleaner Production*; *Journal of Conflict Resolution*; *Journal of Development and Environment*; *Journal of Environmental Studies and Sciences*; *Journal of European Public Policy*; *Journal of International Development*; *Journal of Politics*; *Journal of Public Policy*; *Nature Climate Change*; *Nature Energy*; *Nature Sustainability*; *npj Climate Action*; *Perspectives on Politics*; *PNAS*; *PS: Political Science and Politics*; *Political Research Quarterly*; *Research and Politics*; *Resource and Energy Economics*; *Review of International Organizations*; *Review of International Political Economy*; *Studies in Comparative International Development*; *Sustainability*; *Social Science Journal*; *Political Research Exchange*; *World Development*; *World Development Perspectives*

Publishers Oxford University Press; SAGE.

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