

## Dr. Yeong Jae Kim

---

CONTACT INFORMATION  
KDI School of Public Policy and Management  
263 Namsejong-Ro  
Sejong-Si, 30149  
Republic of Korea  
Office: 318  
Phone: 82-44-550-1192  
*E-mail:* [kyj@kdischool.ac.kr](mailto:kyj@kdischool.ac.kr)  
*Website:* <http://www.kimyj.com>  
Last updated: February 2026

PROFESSIONAL EXPERIENCE

Associate Professor <b>KDI School of Public Policy and Management</b>	01/2023 - Present
Director <b>Sustainable Development Lab @ KDI School</b>	01/2023 - Present
Affiliated Scientist <b>RFF-CMCC European Institute on Economics and the Environment (EIEE)</b>	08/2022 - Present
Adjunct Professor <b>School of Management Engineering, KAIST</b>	08/2023 - 08/2024
Assistant Professor <b>KDI School of Public Policy and Management</b>	08/2022 - 12/2022
Junior Scientist <b>RFF-CMCC European Institute on Economics and the Environment (EIEE)</b> A research institute co-founded by <b>Resources for the Future (RFF)</b> and the <b>CMCC Foundation – Euro-Mediterranean Center on Climate Change (CMCC)</b>	2019 - 2022
Visiting Professor <b>School of Management Engineering, KAIST</b>	2021
Senior Research Associate (Postdoc) <b>Tyndall Centre for Climate Change Research (HQ)</b>	2017- 2019
Research Assistant <b>Samsung Economic Research Institute, Seoul, South Korea</b>	2009
Analyst <b>American International Group, Inc., Seoul, South Korea</b>	2007- 2009
Analyst <b>Hyundai Motor Company, Headquarter, Seoul, South Korea</b>	2007

## EDUCATION

Ph.D., Georgia Institute of Technology, Jimmy and Rosalynn Carter School of Public Policy (Environmental Economics) 05/2017  
(Dr. Marilyn Brown, Kaye Husbands Fealing, Erik Johnson, and Pat McCarthy)

M.S., Texas A&M University, Agricultural Economics 08/2011

B.S., Hanyang University, Seoul, South Korea, Mechanical Engineering 02/2007

Exchange Student, University of Texas at Austin, Mechanical Engineering 08/2005-08/2006

- [1] Sarmiento, L. & Kim, Y. J.(2026). The air quality effects of Uber, *Journal of Urban Economics*  
<https://doi.org/10.1016/j.jue.2026.103846>
- [2] Kim, Y. J., M, K, & Cho, S.-H.(2025). Energy Transitions Post–Russia–Ukraine War: Challenges and Policy Implications in Germany and Italy, *The Electricity Journal*  
<https://doi.org/10.1016/j.tej.2025.107518>
- [3] Choi, J., & Kim, Y. J. (2025). The Impact of Twin Transition on Firm’s Business Performance: Empirical Evidence from Korean Manufacturing Firms. *Energy Economics*  
<https://doi.org/10.1016/j.eneco.2025.108765>
- [4] Woo, D., & Kim, Y. J. (2025). Data-driven Insights into South Korea’s National Utilization of the EV Charging Infrastructure. *Environmental Research: Infrastructure and Sustainability* <https://doi.org/10.1088/2634-4505/add761>
- [5] Sanni, M., & Kim, Y. J. (2024). How open are African inventors? Open green technologies and patenting activities in Africa. *African Journal of Science, Technology, Innovation and Development*. <https://doi.org/10.1080/20421338.2023.2287001>
- [6] Kim, Y. J., & Cho, S.-H. (2023). Is the discovery of oil a blessing or curse in the era of climate change? *Resources Policy*  
<https://doi.org/10.1016/j.resourpol.2023.104264>
- [7] Herman, K. S., Kim, Y. J., Shayegh, S., & Xiang, J. (2023). A Critical Review of Green Growth Indicators in G7 Economies from 1990 to 2019 *Sustainability Science*  
<https://doi.org/10.1007/s11625-023-01397-y>
- [8] Kim, Y. J.,& Verdolini, E. (2023). International knowledge spillovers in energy technologies *Energy Strategy Reviews*, 49, 101151.  
<https://doi.org/10.1016/j.esr.2023.101151>
- [9] Hyun, M., Cherp, A., Jewell, J., Kim, Y. J., & Eom, J. (2023). Feasibility trade-offs in decarbonising the power sector with high coal dependence: The case of Korea. *Renewable and Sustainable Energy Transition*, 100050.  
<https://doi.org/10.1016/j.rset.2023.100050>
- [10] Choi, D., & Kim, Y. J. (2023). Local and global experience curves for lumpy and granular energy technologies. *Energy Policy*, 174, 113426.  
<https://doi.org/10.1016/j.enpol.2023.113426>
- [11] Kim, Y. J., Soh, M., & Cho, S.-H. (2022). Identifying optimal financial budget distributions for the low-carbon energy transition between emerging and developed countries. *Applied Energy*, 326, 119967.  
<https://doi.org/10.1016/j.apenergy.2022.119967>
- [12] Kim, Y. J. (2022). The countervailing effects of stocks of knowledge on low-carbon innovation through international collaboration. *Energy Policy*, 170, 113217.  
<https://doi.org/10.1016/j.enpol.2022.113217>
- [13] Kim, Y. J., Cho, S.-H., & Sharma, B. P. (2021). Constructing efficient portfolios of low-carbon technologies. *Renewable and Sustainable Energy Reviews*, 150, 111515.  
<https://doi.org/10.1016/j.rser.2021.111515>

- [14] Hyun, M., Kim, Y. J., & Eom, J. (2020). Assessing the impact of a demand-resource bidding market on an electricity generation portfolio and the environment. *Energy Policy*, 147, 111918.  
<https://doi.org/https://doi.org/10.1016/j.enpol.2020.111918>
- [15] Kim, Y. J., & Wilson, C. (2019). Analysing Energy Innovation Portfolios from a Systemic Perspective. *Energy Policy*, 134 (2019) 110942.  
<https://doi.org/10.1016/J.ENPOL.2019.110942>
- [16] Kim, Y. J., & Wilson, C. (2019). Analysing Future Change in the EU's Energy Innovation System. *Energy Strategy Reviews*, 24C (2019) pp. 279-299.  
<https://doi.org/10.1016/j.esr.2019.04.012>
- [17] Kim, Y. J., & Brown, M. A. (2019). The impact of domestic energy-efficiency policies on foreign innovation: the case of lighting technologies. *Energy Policy*, 128, 539-552.  
<https://doi.org/10.1016/j.enpol.2019.01.032>
- [18] Kim, Y. J., Husbands Fealing, K., & Klochikhin, E. (2018). Patenting activity in the food safety sector. *World Patent Information*, 55, 27-36.  
<https://doi.org/10.1016/J.WPI.2018.08.005>
- [19] Brown, M. A., Baer, P., Cox, M., & Kim, Y. J. (2014). Evaluating the risks of alternative energy policies: a case study of industrial energy efficiency. *Energy Efficiency*, 7(1), 1-22.  
<https://doi.org/10.1007/s12053-013-9196-8>

BOOK CHAPTERS  
AND REPORTS

- [1] Verdolini, E., Reis, L. A., Drouet, L., Tavoni, M., Kim, Y. J., Bonacorsi, L., ... Edenhofer, O. (2021). The international dimension of the EU low-carbon transition.
- [2] Karakosta, C., Papapostolou, K., Granado, P. C. del, Egging, R., Welisch, M., Hartner, M., ... Johansen, U. (2019). Navigating the roadmap for clean, secure and efficient energy innovation: Final report on SET-Nav policy briefs
- [3] Granado, P. C. del, Welisch, M., Hartner, M., Resch, G., Lumbreras, S., Olmos, L., ... Ansari, D. (2019). Summary Report "SET-Nav-Integrative policy recommendations" Decarbonization the EU's Energy System
- [4] Global Innovation Index 2018 Report published by Cornell University, INSEAD, and the World Intellectual Property Organization: Technology-Specific Analysis of Energy Innovation Systems (with Charlie Wilson)
- [5] Kaye Husbands Fealing, Stanley Johnson, John L. King, and Julia Lane, *New Pathways to Research Impact: Case of Food Safety*, Cambridge University Press. Chap 9: patenting across businesses (with Evgeny Klochikin and Kaye Husbands Fealing)

UNDER REVIEW

- Tradeoffs between the cost and speed of electric vehicle charging in Korea** (with David Woo & Changkeun Lee)
- Leaving Someone Behind: Coal Phase-Out in South Korea** (with Jinseong Park, Changkeun Lee, Sehoon Kim & Sun Joo Park)
- The Paradox of Price and Demand: Insights from Dhaka's Water Consumption (with Md Mujahidur Rahman)

WORK IN PROGRESS

The Staggering Adoption of Price Increases on Electric Vehicle Charging Infrastructure (with David Woo)

A field experiment on electric vehicle charge timing in South Korea (with David Woo and Seongho Park)

Charging Ahead or Catching Up? Causal Evidence on EV Adoption and Charger Expansion in South Korea (with David Woo and Jihoon Choi)

The Energy Impacts of Green Remodeling: Evidence from the Building Sector (with Sangwoo Han)

Evaluating the Impact of Green Building Policies on Electricity Usage in Public Buildings: Evidence from South Korea (with Sangwoo Han)

Do ESG Scores Capture Climate Damages? A Firm-Level Social Cost of Carbon Analysis of Korean Industries (with Jiheum Yeon, Sehoon Kim, Ju Hyun Pyun, Moonyoung Kim)

TEACHING INTERESTS

**Microeconomics, Energy Economics, Energy Policy, Environmental Economics, Environmental Policy, and Econometric Policy Evaluation**

TEACHING EXPERIENCE

**KDI School of Public Policy and Management, Sejong, South Korea**

- K-Water capstone project 2024-2025
- Seminar on Global Policies 2024-2025
- Climate Change Economics and Policy 2024-2025
- Environmental Economics and Policy 2024-2025
- Global Energy Policy 2023-2025
- Environmental and Climate Change Policy 06/2023
- Technological Change and the Environment 2024-2025
- Environmental and Climate Change Policy 09/2022

**College of Business, KAIST, Seoul, South Korea**

- Studies on Green Growth Strategies 03/2024
- Energy Industry and R&D 09/2023
- STAT Prep 08/2022
- STAT Prep/Environmental and Energy Data Analysis 08/2020

**Georgia Institute of Technology, Atlanta, GA**

- Math and Stat Summer Prep 08/2016

*Teaching Assistant*

- PUBP8211: Microeconomics for Public Policy (Dr. Matej Drev) 01/2014-05/2014
- ECON8007: Microeconomics for Public Policy (Dr. Omer Baris) 01/2013-05/2013
- PUBP6116: Microeconomics Policy Analysis (Instructor: Jian Wang) 08/2012-12/2012
- PUBP8211: Microeconomics Theory (Dr. Doug Noonan) 01/2012-05/2012
- POL1101: Government of the U.S. (Dr. Julia Melkers) 08/2011-12/2011

**Texas A&M University, College Station, TX**

*Teaching Assistant*

- AGEC440: Agribusiness Strategic Analysis (Dr. Desmond Ng) 09/2010-12/2010
- AGEC314: Marketing Agricultural Products (Dr. S. Dharmasena) 06/2010-08/2010
- AGEC603: Land Economics (Dr. David Newburn) 01/2010-05/2010

FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS	• Precourt Fellowship, Stanford Precourt Energy Efficiency Center	2016
	• Anne Robinson Clough International Student Fund	2016
	• Best Poster Award, Atlanta Conference on Science and Innovation Policy	2015
	• National Science Foundation Travel Award (AWARD No. CBET-1539816)	2015
	• Sam Nunn Security Program Fellowship, MacArthur Foundation	2014-2015
	• Scholarship, Southeast Energy Efficiency Alliance Annual Conference	2014
	• Scholarship, Southern Section of Air & Waste Management Association	2012
	• National Scholarship in Energy, Ministry of Knowledge and Economy	2009-2011
	• Departmental Scholarship, Texas A&M University	2009-2010
	• Hanyang University Study Abroad Scholarship	2009

ACADEMIC PRESENTATIONS	• 2026	
		2026 Energy and Climate Economics and Business days, University of Groningen, Netherlands (Scheduled)
		Green Trade Lab Workshop 2026, Basel, Switzerland (Organizing Committee)
		14th IAERE Annual Conference, University of Trento, Italy
	• 2025	
		Eco-innovation Society Workshop, Ferrara, Italy
		Workshop on Green and Digital Transformations: Skills, Jobs and Policy, University of Ferrara, Italy
		CMCC Webinar series, Italy
		Toward a Low-Carbon Future: Cost of Inaction and Policy Responses, Korea
		International Workshop on Global IAM Development, Peking University, China
	Green Trade Lab Workshop 2025, York, U.K.	
	EAERE 2025 Annual Conference, Bergen, Norway	
	Delft University of Technology, Netherland (Invited)	
	43rd International Energy Workshop (IEW), Nara, Japan	
	Seoul Workshop in Empirical Finance, Korea	
	Electric Vehicle Conference 2025, Stuttgart, Germany	
	Korea Environmental Policy and Administration Society, Korea	
	Korea Environment Institute, Korea	
• 2024		
	Kyoto University, Kyoto, Japan	
	Eco-innovation Society - 2nd bi-annual Workshop, Paris, France	
	Yonsei University, Graduate School of International Studies, Seoul	
	The Max Planck Institute for Innovation and Competition, Munich, Germany (Accepted)	
	Integrated Assessment Modeling Consortium (IAMC) 2024, Seoul, Korea	
	European Association of Environmental and Resource Economists (EAERE) 2024, Leuven, Belgium	
	42th International Energy Workshop (IEW), Bonn, Germany	
	Korea Energy Modeling Forum (K-EMF), Korea	
	Korea Environmental Economics Conference, Korea	
	Korea Environment Institute, Korea	
	Sookmyung Women's University, Korea	
• 2023		
	40th USAEE/IAEE North American Conference, Chicago, United States	
	2023 Korea-US Policy Dialogue: Towards Carbon Neutrality, Seoul, Korea (Chair)	
	17th International Conference on Energy Economics and Technology (ENERDAY), Dresden, Germany	
	Kiel Institute Workshop on the role of public research and innovation measures on mitigating climate change, Germany (Invited)	

Korea Environmental Economics Conference, Korea  
Graduate-Development Economics Seminar Series, National Graduate Institute for Policy Studies (GRIPS), Japan (Invited)

- 2022

IPCC 6th Assessment Report Workshop by Korea Environment Institute (Invited)  
Energy Industrial R&D Policy by KAIST (Invited)  
KDI School-World Bank DIME Conference on Impact Evaluation in Sustainable and Inclusive Development  
European Climate and Energy Modelling Platform (ECEMP) 2022  
Korea Environment Institute (Invited)  
Empirical Methods in Environmental Economics Research by Sookmyung Women's University (invited)  
GDLN Blended learning program: Climate Change Mitigation by KDIS and BLS (invited)  
European Association of Environmental and Resource Economists (EAERE) 2022 (by co-author)  
40th International Energy Workshop (IEW), Freiburg, Germany  
Berlin School of Economics (BSE) workshop on the Effectiveness and Distributional Impacts of Environmental Policy (by co-author)  
Sustainability and Development Conference 2022 (University of Michigan)

- 2021

2021 Annual SEEDS (Sustainability, Environmental Economics and Dynamics Studies) Workshop  
13th Korea Energy Modelling Forum (K-EMF)  
26th Annual Conference of the European Association of Environmental and Resource Economists  
Spatial Data Science Laboratory, University of Seoul (Invited)  
IEA Workshop on R&D Data Collection and Mission Innovation Ministerial Side Event on Increasing the Efficiency of R&D Policies through Data and Analyses (Invited)  
Mission Innovation Tracking Progress Workshop: Tracking Clean Energy Innovation Performance through Patent Indicators (Invited)  
Laboratory for Sustainable Economy and Policy, Graduate School of Environmental Studies, Seoul National University (Invited)  
9th Annual Conference of the Italian Association of Environmental and Resource Economists, Italy  
IRENA Invitation to the closed-door expert workshop, Tracking Innovation Impacts (Exploring the impacts of innovation on offshore wind) (Invited)  
Korea Energy Society, Seoul, South Korea (Invited)  
Green Technology Center (GTC), Seoul, South Korea (Invited)  
Graduate School of Science and Technology Policy, KAIST, Daejeon, South Korea (Invited)  
KAIST College of Business, KAIST, Seoul, South Korea (Invited)

- 2020

Thirteenth Integrated Assessment Modeling Consortium (IAMC) Annual Meeting 2020  
CLOSED-DOOR EXPERT WORKSHOP Tracking Energy Innovation Impacts Framework (TEIIF), IRENA (Invited)  
Korea Energy Economics Institute (KEEI), Ulsan, South Korea (Invited)  
Yonsei University, Seoul, South Korea (Invited)  
Korea Institute of Energy Technology Evaluation and Planning (KETEP), Seoul, South Korea (Invited)  
4th Korea Energy Modelling Forum (K-EMF)  
25th Annual Conference of the European Association of Environmental and Resource Economists  
Graduate School of Technology & Innovation Management, Hanyang University, Seoul, South Korea (Invited)

Exploring National and Global Actions to reduce Greenhouse gas Emissions (ENGAGE) project meeting  
Eighth Annual Conference of the Italian Association of Environmental and Resource Economists, Brescia, Italy

- 2019

Climate and Energy Policy & Strategy Research Group, KAIST College of Business, Seoul, South Korea (Invited)  
INNOPATHS project meeting, Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany  
Exploring National and Global Actions to reduce Greenhouse gas Emissions (ENGAGE) kick-off meeting, IIASA, Vienna, Austria  
1st Workshop on Climate Economics, Innovation, and Policy: The Economics of Environmental Policy and Innovation, Ottawa, ON Canada (Hosted by Dr. Carolyn Fischer: Canada 150 Chair — Climate Economics, Innovation, and Policy)  
EAERE-FEEM European Summer School in Resource and Environmental Economics: Econometric Approaches for Environmental Policy Evaluation, Venice, Italy  
24th Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Manchester, U.K.  
SET-NAV Final Conference, Brussels, Belgium

- 2018

IEA Innovation Team Meeting, International Energy Agency, Paris, France  
Energy Modelling Platform for Europe (EMP-E) 2018, Brussels, Belgium  
SET-Nav Internal Consortium Meeting, National Technical University of Athens, Athens, Greece  
6th World Congress of Environmental and Resource Economists(WCERE 2018), Gothenburg, Sweden  
41st International Association for Energy Economics(IAEE) Conference, Groningen, the Netherlands  
Enhancing Data Collection on Government and Private Sector Spending for Clean Energy Research and Innovation(Workshop organised in the context of tracking progress in Mission Innovation), Malmo, Sweden  
SET-Nav Internal Consortium Meeting, Comillas Pontifical University, Madrid, Spain  
Innovation Indicators to Track Progress of Mission Innovation Workshop, Brussels, Belgium

- 2017

SET-Nav Internal Consortium Meeting, DIW Berlin, Berlin  
Tyndall Assembly Day, Newcastle University, UK  
International Association for Energy Economics(IAEE) European Conference, Vienna, Austria  
23rd Annual Conference of the European Association of Environmental and Resource Economists (EAERE), Athens, Greece  
Doctoral sesongar IAEE international conference (The Economics of Electricity Market), Groningen, the Netherlands  
Colorado Technology Primer for Economists and Social Scientists(Summer School on the Electricity Grid), Golden, CO (Sloan Foundation)  
The Centre on Innovation and Energy Demand (CIED) Summer School, University of Sussex, UK  
9th Annual Alliance for Research on Corporate Sustainability (ARCS) Research Conference, Rotterdam School of Management (RSM), the Netherlands  
SET-Nav Internal Consortium Meeting, ETH Zurich, Swiss  
International Forum on Disruptive Low Carbon Innovations, London, UK

- 2016
  - Association for Public Policy Analysis & Management Research Conference, Washington, DC
  - Grantham Research Institute on Climate Change and the Environment, London, U.K.
  - ETH Academy on Sustainability and Technology 2016, ETH Zurich, Swiss
  - 2016 Behavior, Energy and Climate Change (BECC) Conference, Baltimore, MD
  - Workshops on Original Policy Research (WOPR), Atlanta, GA
  - Energy Expo Georgia Tech, Atlanta, GA
  - Energy Chat: Georgia Tech Energy Club, Atlanta, GA
- 2015
  - Society for Risk Analysis 2015 Annual Meeting, Washington, DC
  - Association for Public Policy Analysis & Management Research Conference, Miami, FL
  - Atlanta Conference on Science, Technology and Innovation Policy, Atlanta, GA
  - International Symposium on Sustainable Systems and Technologies, Dearborn, MI
  - 56th Annual Transportation Research Forum, Atlanta, GA
- -2015
  - Guest Speaker of the PUBP 6201(Public Policy Analysis: Dr. Marilyn Brown) titled Treatment of Uncertainties with Monte, Atlanta, GA
  - Air &Waste Management Association (A&WMA) Annual Meeting and Technical Conference, Biloxi, MS

STUDENT  
MENTORING &  
ADVISING

Trudie Dockerty, Thanh Doan, and Rhosanna Jenkins (University of East Anglia, Norwich, U.K.)

Minwoo Hyun (KAIST & University of California - Santa Barbara)

Donghyun Choi (KAIST & Georgia Institute of Technology)

Jintae Kim (KAIST & Seoul National University)

Moonwon Soh (Postdoc, University of Florida)

Daewu Ju (Assistant Professor, Hanyang University)

Kyeonggi Min (Ph.D. Student, Georgia Institute of Technology)

Jihoon Choi (Ph.D. Student, George Mason University)

David Woo (Ph.D. Student, UC Davis)

Cheyeong Lee (KDI School)

Mujahid Rahman (KDI School)

Sangwoo Han (KDI School)

Moonyoung Kim (KDI School)

Muzammil Tariq (KDI School)

Jiyong Kim (KDI School)

MILITARY SERVICE *Military Service, Auxiliary Police Officer, South Korea*

2002-2004

ACADEMIC SERVICES

Guest Editor: PLOS ONE

Renewable & Sustainable Energy Transition; Climatic Change; Energy Economics; The Energy Journal; Environmental Research Letters; Energy Efficiency; Energy Policy; Economics of Innovation and New Technology; Environment, Development and Sustainability; Transportation Research Part D: Transport and Environment; Journal of Cleaner Production; International Journal of Environmental Research and Public Health; Renewable & Sustainable Energy Reviews; Journal of Energy Engineering, Energy Research & Social Science; Progress in Energy; Scientific Reports; Journal of Environmental Management; Environmental Research Communications; Environmental Research: Energy; Humanities and Social Sciences Communications; Environmental Innovation and Societal Transitions

AERE Summer Conference Reviewers; AOM Annual Meeting ((ONE) Organizations and the Natural Environment); DRUID Conference; Expert Review of the First and Second Order Draft of the Working Group III (WG III) Contribution to the IPCC Sixth Assessment Report (AR6), ACEEE Summer Study on Energy Efficiency in Buildings; Annual Alliance for Research on Corporate Sustainability (ARCS) Research Conference; Proceedings of ISSST (International Symposium on Sustainable Systems and Technologies); Mandela Washington Fellowship

Journal of Climate Change Research (Korean)

FUNDING AND GRANTS

KDI School of Public Policy and Management Research Funding (PI)

Presidential Advisory Council on Science and Technology (PACST)

Ministry of Trade, Industry and Energy (PI)

Brain Pool by National Research Foundation of Korea (PI)

Statistics Korea (PI)

NRF International Mobility Program 2025 (PI)

PROFESSIONAL MEMBERSHIPS

- American Economic Association (AEA)
- The European Association of Environmental and Resource Economists (EAERE)
- Association of Public Policy Analysis and Management (APPAM)
- The International Association for Energy Economics (IAEE)
- Italian Association of Environmental and Resource Economists (IAERE)

REFERENCES AVAILABLE TO CONTACT

**Dr. Marilyn A. Brown**, Ph.D. Advisor

(e-mail: [Marilyn.Brown@pubpolicy.gatech.edu](mailto:Marilyn.Brown@pubpolicy.gatech.edu))

- Regents' and Brook Byers Professor, Jimmy and Rosalynn Carter School of Public Policy, Georgia Institute of Technology
- D.M. Smith Building, 685 Cherry Street, Room 312, Atlanta, GA 30332

**Dr. Elena Verdolini**

(e-mail: [elena.verdolin@eiee.org](mailto:elena.verdolin@eiee.org))

- Senior Scientist & Professor at the Università degli Studi di Brescia, RFF-CMCC European Institute on Economics and the Environment (EIEE),
- Via Bergognone, 34, 20144 Milano (MI), Italy

**Dr. Charlie Wilson**

(e-mail: [charlie.wilson@eci.ox.ac.uk](mailto:charlie.wilson@eci.ox.ac.uk))

- Professor, Professor of Energy and Climate Change at the Environmental Change Institute, School of Geography and the Environment, and Jackson Senior Research Fellow at Oriel College,

- Oxford University Centre for the Environment, University of Oxford, South Parks Road, Oxford, OX1 3QY, United Kingdom