



Prof. Jim Skea

UK Candidate for IPCC Chair



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With forty years of climate science experience and expertise, Professor Skea is dedicated to ensuring that the challenges of climate change are understood, and action to avert them is undertaken. His current role as **Co-Chair of the IPCC's Working Group III (Mitigation of Climate Change)** follows thirty years of leadership and scientific contributions to the IPCC. He **co-led the IPCC's flagship 2022 Report on Mitigation of Climate Change, its 2018 Special Report on Global Warming of 1.5°C and its 2019 Special Report on Climate Change and Land.** As **Professor of Sustainable Energy at Imperial College, London**, Professor Skea's research spans multiple disciplines and focuses on the solutions to climate change. As **co-founder of the UK Committee on Climate Change**, he is a skilled operator at the science-policy interface. Working alongside scientists and policymakers from around the world, Professor Skea has a proven track record of forging consensus and has fed vital scientific information into the UN climate negotiations.

IPCC Experience

Scientific Leadership	Co-Chair Working Group III (Sixth Assessment Cycle) Vice-Chair Working Group III (Fifth Assessment Cycle)
Authorship	Convening Lead Author Chapter 11, Industry, Energy, and Transportation: Impacts and Adaptation (Working Group II, Second Assessment Cycle) Lead Author Chapter 3, Developing and Applying Scenarios (Working Group II, Third Assessment Cycle) Review Editor Synthesis Report (Fifth Assessment Cycle) Review Editor Chapter 7, Energy Systems (Fifth Assessment Cycle) Review Editor Chapter 7, Human Settlements, Energy and Industry (Working Group II, Third Assessment Cycle) Expert, IPCC Technical Guidelines for Assessing Climate Change Impacts and Adaptation (Second Assessment Cycle)
Contributions to improving IPCC process	Chair/Co-Chair Informal Group on Publications (Sixth Assessment Cycle) Rapporteur Task Group on Conflict of Interest (Fifth Assessment Cycle)

Academic and Professional Experience

Imperial College London, UK: Professor of Sustainable Energy (2009 – present)
University of Westminster, UK: Professor (2004 – 2009)
Policy Studies Institute, UK: Director (1998 – 2004)
University of Sussex, UK: Fellow; Senior Research Fellow; Professorial Fellow, Science Policy Research Unit (1983 – 1998)
Carnegie-Mellon University, USA: Visiting Research Associate; Visiting Assistant Professor, Department of Engineering and Public Policy (1981- 1983)

University of Cambridge, UK: Research Assistant, Energy Research Group, Cavendish Laboratory (1978- 1981)

Scientific Appointments

Engineering and Physical Sciences Research Council: Senior Fellow (2017 – 2023) and UK Energy Strategy Fellow (2012 –2017)

UK Energy Research Centre: Research Director (2004 –2012)

Economic and Social Research Council: Director, Global Environmental Change Programme (1995-1998)

Selected Public Appointments and Other Activities

Chair, Scottish Just Transition Commission (2018 – present)

Friends of COP 26 (2021 – 2022)

Member, UK Committee on Climate Change (2008 – 2018)

President, UK Energy Institute (2015-17)

Member, Global Environmental Research Committee, Royal Society (2013 – 2015)

Honorary Fellow of the Society for the Environment (2011)

Non-Executive Board Member, Blackrock New Energy Investment Trust plc (2009 – 2014)

Member, Programmes Board, WWF-UK (2010 – 2013)

Member, Panel of Judges, Queen's Award for Enterprise (Sustainable Development) (2006 – 2012)

Non-Executive Director, Renewables East (2006 – 2011); Fellow of the Energy Institute (2005)

Selected Publications

"Mitigation co-benefits of climate change adaptation: A case-study analysis of eight cities" (with Boyd D, Pathak M, and van Diemen R), *Sustainable Cities and Society*, Vol 77 (2022), DOI:10.1016/j.scs.2021.103563

"Intergovernmental Panel on Climate Change: transparency and integrated assessment modelling" (with Shukla P, Al Khourdajie A, McCollum D), *Wiley Interdisciplinary Reviews: WIREs Climate Change*, Vol: 12 (2021), ISSN: 1757-7780

"Outlooks, explorations and normative scenarios: approaches to global energy futures compared" (with van Diemen R, Portugal-Pereira J, Al Khourdajie A, et al.), *Technological Forecasting and Social Change*, Vol: 168 (2021), ISSN: 0040-1625

"Energy Innovation for the Twenty-First Century: Accelerating the Energy Revolution" (with van Diemen R, Hannon M, Gazis E, Rhodes A), Edward Elgar (2019), ISBN: 978-1-78811-261-1

"Examining the effectiveness of support for UK wave energy innovation since 2000: Lost at sea or a new wave of innovation?" (with Hannon M, van Diemen R), University of Strathclyde, (2017)

"Measuring the energy innovation process: An indicator framework and a case study of wind energy in China" (with Hu R, Hannon MJ), *Technological Forecasting and Social Change*, Vol: 127, pp. 227-244 (2017), ISSN: 0040-1625

"The global surge in energy innovation" (with Rhodes A, Hannon M), *Energies*, Vol: 7, pp. 5601-5623 (2014), ISSN: 1996-1073

“Energy 2050: the transition to a secure low carbon energy system for the UK”, (edited with Ekins P and Winskel M), Earthscan, (2011), ISBN: 978-1-84791-084-8

“Pollution for Sale: Emissions Trading and Joint Implementation” (edited with Sorrell S), Edward Elgar, (1998)

“Clean and Competitive? Motivating Environmental Performance in Industry” (with Rupert Howes and Bob Whelan), Earthscan, (1997), ISBN: 1-85383-491-2

“Standards, Innovation, Competitiveness and Policy” (edited with Hawkins R and Mansell R), Edward Elgar, p. 269 (1995)

“Acid Politics: Environmental and Energy Policies in Britain and Germany” (with Boehmer-Christiansen SA), Belhaven Press, p. 296 (1991)

Education

University of Cambridge: PhD, Energy Research (1975-1978)

University of Edinburgh: BSc, Physics (1971-1975)

Honours and Awards

Commander of the Most Excellent Order of the British Empire (CBE): Awarded for services to sustainable energy (2013)

Officer of the Most Excellent Order of the British Empire (OBE): Awarded for services to sustainable transport (2004)

Fellowship of the Royal Society of Edinburgh (2020)

Honorary Fellow of the Society for the Environment (2011)

Fellow of the Energy Institute (2005); Certificate of Commendation, Japan: Presented for work as co-chair of Japan-UK Joint Research Project "Roadmap to a Low-Carbon World" (2009)

Melchett Award of the Energy Institute for outstanding contributions to the science of fuel and energy (2010)