

Abbreviated Curriculum Vitae Dr. Benjamin K. Sovacool

STATISTICS (as of January 2024)

- 22 authored, co-authored, edited or co-edited books
- 574 refereed articles
- 63 book chapters
- 66 commissioned reports
- H-index of 93 (Scopus)
- 34,000 citations (Scopus)
- H-index of 131(Google Scholar)
- i-10 index of 518 (Google Scholar)
- 64,000 citations (Google Scholar)
- 3,229 research interviews conducted at 1,954 institutions
- 119 focus groups managed
- 60,000+ surveys distributed
- 194 field research site visits
- 164 articles or reports co-written with students
- 4 academic books co-written with students
- Articles published with 318 colleagues from 40 nations
- 120+ keynote speeches or plenary addresses

EDUCATION

- 2006 Ph.D., Science and Technology Studies, Virginia Tech, Blacksburg, VA.
2005 M.S./Graduate Certificates, Science Policy, Virginia Tech, Blacksburg, VA.
2003 M.A., Communication Studies, Wayne State University, Detroit, MI.
2001 B.A., Philosophy and Communication Studies, John Carroll University, Cleveland, OH.

PROFESSIONAL EMPLOYMENT

- 2022- Professor of Earth and Environment, Founding Director of the Institute for Global Sustainability, Boston University, United States
- 2015-2021 Professor of Energy Policy, Director of the Sussex Energy Group (2015-2021), SPRU, University of Sussex, United Kingdom
- 2015-2019 Director of the Center on Innovation and Energy Demand (CIED), University of Oxford, University of Manchester, and University of Sussex, United Kingdom
- 2013-2021 University Distinguished Professor (2020-) and Professor (2013-2019) of Business and Social Sciences, Director of the Center for Energy Technologies (2013-2020), Department of Business Development and Technology, Aarhus University, Denmark
- 2011-2015 Associate Professor of Law, Institute for Energy & the Environment, Vermont Law School, South Royalton, VT
- 2007-2011 Assistant Professor, Lee Kuan Yew School of Public Policy, National University of Singapore
- 2007 Postdoctoral Fellow, Office for the Vice President of Research, Virginia Tech
- 2006 Eugene P. Wigner Fellow, Oak Ridge National Laboratory, Oak Ridge, TN.

NOTABLE ACTIVITIES

- 2018-2022 Lead Author, Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report (AR6) Working Group III (Mitigation) Chapter 4 on "Mitigation and development pathways in the near-to mid-term," Geneva, Switzerland, also Contributing Author to Chapters 6 (Energy) and 10 (Transport)
- 2013-2014 Expert Consultant for Energy Access, International Bank for Reconstruction and Development and the International Development Association, World Bank Group, Washington, DC
- 2013 Expert for Renewable Energy Infrastructure, Research Competitiveness Program of the American Association for the Advancement of Science (AAAS), Washington, DC, United States
- 2012-2013 International Economist, Climate Change and Energy Security, TA-8141 REG: Asian Development Outlook 2013 (46184-001), Asian Development Bank, Manila, Philippines
- 2012-2013 Consultant Researcher for Sustainable Energy for All, United Nations Development Program Asia Pacific Regional Center Environment and Energy Team, Bangkok, Thailand
- 2009-2011 Lead Analyst, Knowledge Module 5 (Energy Security, Markets, and Interdependence) of the Global Energy Assessment, International Institute for Applied Systems and Analysis (IIASA), Vienna, Austria
- 2010-2011 Lead Analyst and International Specialist, TA-6424 (REG): Enhancing Effective Regulation of Water and Energy Infrastructure and Utilities Services, Asian Development Bank, Manila, Philippines
- 2006 Project Consultant, Barriers to the Deployment of Greenhouse Gas Reducing Technologies, U.S. Department of Energy Climate Change Technology Program, United States

SELECTED PUBLICATIONS

Books

Empowering the Great Energy Transition: Policy for a Low-Carbon Future, with Scott V. Valentine and Marilyn A. Brown (New York: Columbia University Press, 2020)

Fact and Fiction in Global Energy Policy: Fifteen Contentious Questions, with Marilyn A. Brown and Scott V. Valentine (Baltimore: Johns Hopkins University Press, 2016)

Global Energy Justice: Problems, Principles, and Practices, with Michael Dworkin (Cambridge: Cambridge University Press, 2014)

Energy Poverty: Global Challenges and Local Solutions, with Antoine Halff and Jon Rozhon (Oxford: Oxford University Press, 2014)

Climate Change and Global Energy Security: Technology and Policy Options, with Marilyn A. Brown (Cambridge, MA: MIT Press, 2011)

Articles (* co-authored with one or more other people)

- *"Risk-risk governance in a low-carbon future: Exploring institutional, technological, and behavioral tradeoffs in climate geoengineering pathways," *Risk Analysis* 43 (4) (April, 2023), pp. 838-859.
- *"Policy prescriptions to address energy and transport poverty in the United Kingdom," *Nature Energy* 8 (March, 2023), pp. 273-283.
- *"Industrial clusters for deep decarbonization," *Science* 378 (6620) (November 10, 2022), pp. 601-604.
- * "Equity, technological innovation and sustainable behaviour in a low-carbon future," *Nature Human Behavior* 6 (March, 2022), pp. 326-337.
- *"Navigating implementation dilemmas in technology-forcing policies," *Research Policy* 50(7) (September, 2021), 104272, pp. 1-19.
- *"Dispossessed by decarbonisation: Reducing vulnerability, injustice, and inequality in the lived experience of low-carbon pathways," *World Development* 131 (January, 2021)
- *"Differences in carbon emissions reduction between countries pursuing renewable electricity versus nuclear power," *Nature Energy* 5(11) (November, 2020) 928–935.
- *"Culture and low-carbon energy transitions," *Nature Sustainability* 3 (September, 2020), pp. 685–693.
- * "Sustainable minerals and metals for a low-carbon future," *Science* 367 (6473) (January 3, 2020), pp. 30-33.
- *"The whole systems energy injustice of four European low-carbon transitions," *Global Environmental Change* 58 (September, 2019), 101958, pp. 1-15.
- *"An agenda for sustainability transitions research: State of the art and future directions," *Environmental Innovation and Societal Transitions* 31 (June, 2019), pp. 1-32.
- *"Decarbonisation and its discontents: A critical energy justice perspective on four low-carbon transitions," *Climatic Change* 155(4) (August, 2019), pp. 581–619.
- *"The demographics of decarbonizing transport: The influence of gender, education, occupation, age, and household size on electric mobility preferences in the Nordic region," *Global Environmental Change* 52 (September, 2018), pp. 86-100.
- *"Sociotechnical transitions for deep decarbonisation," *Science* 357 (6357) (September 22, 2017), pp. 1242-1244.
- * "Ordering theories: Typologies and conceptual frameworks for sociotechnical change," *Social Studies of Science* 47(5) (October, 2017), pp. 703-750.
- *"Climate change adaptation and the Least Developed Countries Fund (LDCF): Qualitative insights from policy implementation in the Asia-Pacific," *Climatic Change* 140(2) (January, 2017), pp. 209-226.
- *"Towards a Science of Climate and Energy Choices," *Nature Climate Change* 6 (June, 2016), pp. 547-555.
- *"Energy Decisions Reframed as Justice and Ethical concerns," *Nature Energy* 16024 (2016), pp. 1-6.
- *"The Political Economy of Climate Adaptation," *Nature Climate Change* 5 (7) (July, 2015), pp. 616-618.
- "Energy Studies Need Social Science," *Nature* 511 (7511) (July 31, 2014), pp. 529-530.
- "What Are We Doing Here? Analyzing Fifteen Years of Energy Scholarship and Proposing a Social Science Research Agenda," *Energy Research & Social Science* 1 (March, 2014), pp. 1-29.
- "An International Assessment of Energy Security Performance," *Ecological Economics* 88 (April, 2013), pp. 148-158.
- "Deploying Off-Grid Technology to Eradicate Energy Poverty," *Science* 338 (October 5, 2012), pp. 47-48
- *"Competing Dimensions of Energy Security: An International Review," *Annual Review of Environment and Resources* 35 (November, 2010), pp. 77-108

- *“Twelve Metropolitan Carbon Footprints: A Preliminary Global Comparative Assessment,” *Energy Policy* 38(9) (September, 2010), pp. 4856-4869
- “Rejecting Renewables: The Socio-technical Impediments to Renewable Electricity in the United States,” *Energy Policy* 37(11) (November, 2009), pp. 4500-4513
- *“Beyond Batteries: An Examination of the Benefits and Barriers to Plug-in Hybrid Electric Vehicles (PHEVs) and a Vehicle-to-Grid (V2G) Transition,” *Energy Policy* 37(3) (March, 2009), pp. 1095-1103
- “Valuing the Greenhouse Gas Emissions from Nuclear Power: A Critical Survey,” *Energy Policy* 36 (8) (August, 2008), pp. 2940-2953

HONORS & AWARDS

- 2022 “Professional Geographer Award” from the American Association of Geographers
- 2020 Fellow of the Academy of Social Sciences, London, UK
- 2019, 2020, 2021 and 2022 Web of Science Highly Cited Researcher in the category of Social Science, Thomson Reuters and Clarivate Analytics, Philadelphia, United States
- 2019 USERN Prize for “Social justice in an era of climate change and energy scarcity,” Budapest, Hungary
- 2019 Distinguished Graduate Alumni Achievement Award, Virginia Tech, Blacksburg, VA.
- 2015 Dedication to Justice Award, American Bar Association, Chicago, IL, USA
- 2014 Distinguished Visiting Energy Professorship, Environmental Law Center, Vermont Law School, South Royalton, VT, USA.
- 2007 “Outstanding Dissertation” in the Social Sciences and Humanities, awarded by the Graduate School of Virginia Tech, Blacksburg, VA, USA.
- 2007 Johnson Award for Best Paper in Ethics and Accountability, awarded by the Johnson Institute, University of Pittsburgh, Pittsburgh, PA, USA.
- 2006 Paul T. Hiser Exemplary Publication Award for the “Best Article of the Year,” awarded by the Epsilon Pi Tau Honor Society, USA.

SELECTED GRANTS and CONTRACTS

Year	Amount	Name	Awarded to	Role
2024-2028	\$2,500,000	“Energy Justice Indicators: Measuring Community Effects of Offshore Wind Energy Development,” United States Department of Energy’s Wind Energy Technologies Office (WETO) Award Number: DE-EE0011077	Boston University	Co-Investigator
2023-2027	\$1,200,000	“L2D: Limits to Digitalization Project,” Research Council of Norway	Boston University	Co-Investigator
2023-2026	\$6,747,780	“CAFÉ: A new research coordinating center to Convene, Accelerate, Foster, and Expand the global community of practice on climate change and health,” National Institutes of Health Award #1U24ES035309-01	Boston University	Co-Investigator and Work Package (Function) Co-Leader
2023-2025	\$497,428	“Advancing transformational energy justice across the renewable energy supply chain,” Alfred P. Sloan Foundation Grant G-2023-19609	Boston University	PI (and coordinator of the entire project)
2021-2027	€9,187,902 (\$10,980,500)	GeoEngineering and Negative Emissions pathways in Europe (GENIE), European Research Council (ERC) Synergy Grant 2020	Aarhus University	PI
2020-2024	£29,700,000 (\$38,691,900)	The Industrial Decarbonisation Research and Innovation Centre (IDRIC), ESRC and EPSRC Industrial Strategy Challenge Fund	University of Sussex	Research Co-Director
2015-2019	DKK 8,582,461 (\$1,590,000)	“Societal Implications of a Vehicle-to-Grid Transition in Northern Europe: A Comparative, Mixed-Methods Study of the Nordic Region,” Danish Council for Independent Research (DFF) Sapere Aude Grant	Center for Energy Technologies, Aarhus University	PI
2013-2018	£3,652,309 (\$5,600,000)	“Center on Innovation and Energy Demand,” Research Centre on End Use Energy Demand, RCUK Energy Programme. Grant	University of Sussex	PI/Director