
Daniel SJ Kim

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Qualification Summary

Policy researcher/analyst with 11 years of experience in policy analysis, environmental health, climate change law, and renewable energy fields with expertise in quantitative and qualitative research methods. Shows a record of publications in renowned journals, leading complex programs and projects, teaching university-level courses as an adjunct professor, working with government agencies and multilateral organizations, and winning government grants for research projects.

Education

GEORGE WASHINGTON UNIVERSITY Washington DC
Ph.D. in Public Policy (Science & Technology Policy) 2015-2021

- Dissertation: An Empirical Assessment of the Role of Science in Climate Change Lawsuits
- Funded by National Science Foundation (details below)

TSINGHUA UNIVERSITY Beijing
Master in Public Administration (MPA) in International Development 2010-2012

- Funded by Chinese Government Council (details below)

CORNELL UNIVERSITY Ithaca, New York
Bachelor of Science (BS) in Urban Planning (Honors) 2006-2010

Research & Work Experience

The Board on Environmental Change and Society Washington DC
NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE
Senior Program Officer Feb 2023-Present

- Leads and manages the consensus study, [Co-Production of Environmental Knowledge, Methods, and Approaches](#), along with other multiple and/or highly complex programs or projects.
- Develops program or project strategy and budget, staffing requirements and ensures stated objectives are met. Conducts program or project evaluations.
- Assembles committees and guides those committees in the consensus building process. Leads convening activities such as forums or workshops.
- Communicates and coordinates with the chair and other members of the group. Identifies and gathers research materials. Solicits and contacts potential panel members. Facilitates the flow of information among panel members, consultants, staff, and other applicable parties.

US Office of the Assistant Secretary for Planning and Evaluation (ASPE) Washington DC
US DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)
ORISE Fellow – Social Science Analyst 2021-2023

- Developed, managed, and led intramural projects assessing the intersection between climate change and antimicrobial resistance (AMR)
 - Conducted meta-analysis project assessing anticipated increase in AMR and emergence of novel human pathogens due to climate change and the current arsenal of AM drugs, including those currently in development, to assess our preparedness against these bacteria/fungi.
- Assisted Combating Antibiotic-Resistant Bacteria (CARB) Task Force
 - Assisted development of 2020-2025 iteration of the CARB National Action Plan
 - Coordinated interagency meetings and work with multiple HHS and external federal partners
 - Wrote, reviewed, and published the annual progress reports and new 5-year plan

- Conducted policy research on prescribing practices to address health emergency preparedness, prevention, and response related to antibiotic resistance
- Led qualitative research methods team for COVID Lessons Learned project
 - Provided guidance and expertise to HHS staff on data analysis, social science research methodology, evaluation designs, and assessment techniques
 - Gathered and conduct analysis with qualitative data from multiple partners within HHS
- Provided review, analysis, and clearance for reports, regulations, public outreach, and legislative testimony from HHS, on topics including federal science policy, climate change, environmental policy, antibiotic resistance, and renewable energy

Trachtenberg School of Public Policy and Public Administration
 GEORGE WASHINGTON UNIVERSITY

Washington DC

Co-Principal Investigator for Doctoral Project

2018-2021

- Funded by National Science Foundation (NSF) (30K USD/year)
- Developed database of 850 federal level climate change lawsuits from 1990 to 2020
- Developed research tools and models using extensive mixed methodology
 - Quantitative methodology: Econometrics models mainly using STATA
 - Qualitative methodology: 82 In-depth interviews and textual analysis mainly using Nvivo
- Had supervisory responsibilities including recruiting, training, and managing research assistant

Research Associate

2015-2018

- Developed, managed, and cleaned national-level databases for various projects including;
 - Air quality and public health in urban climate action planning (funded by Milken School of Public Health)
 - Non-Traditional Sources of Data on Entrepreneurship and Innovation (funded by Kauffman Foundation)
 - Legal Mobilization of Science in Climate Change Litigation (funded by NSF)
- Wrote and edited reports and journal articles in publication processes

Science and Technology Innovation Program
 THE WILSON CENTER

Washington DC

Intern Researcher

Sep-Dec 2018

- Conducted research project “Citizen Science in Courts” – researched legal cases that either mentioned or used citizen science and crowdsourcing – Topics mainly included air quality monitoring
- Supported a multilateral program with many US government agencies (e.g., Environmental Protection Agency) that required skills in effective outreach and strategic engagement to ensure timely delivery of services and support

US Geological Survey (USGS)
 US DEPARTMENT OF THE INTERIOR

Reston, Virginia

Research Associate

2017-2018

- Prepared science communication materials including project reports, blog posts, and announcements on projects conducted by National Climate Adaptation Science Center
- Managed national database of more than 500+ state- and federal-level projects funded by USGS
- Assisted in expanding the center’s presence both within and outside of USGS by collaborating with multiple departments for effective and efficient briefings, coalition activities, and responding to inquiries

Green Technology Center (GTC)
 KOREAN MINISTRY OF SCIENCE AND ICT

Seoul, Korea

Policy Analyst

2013-2015

- Led policy research project as Principal Investigator (PI) funded by Ministry of Science (270K USD)

- Developed and conducted a research project on best practices in green urban development field in 11 cities in both developed (e.g., North America) and developing countries (e.g., Southeast Asia)
- Designed and coordinated 10-day capacity building program on Waste-to-Energy technology in urban areas for environmental engineers (from 7 developing countries in Southeast Asia) in collaboration with United Nations Development Programme (UNDP)
- Established and maintained effective working relationships with external institutions and played leading role establishing Memorandum of Understanding (MoU) with UNDP, UN ESCAP, ICLEI, CityNet, and Wuppertal Institute
- Authored and led 5 policy reports on Socio-Technical Transition in urban context, Green Technology Transfer and Capacity Building Programs for Developing Countries in Southeast Asia
- Interacted with countries and their representatives to help them develop and implement the most relevant green technology program that suits their socioeconomic settings
- Recruited, trained, and managed work of 5 research assistants

Visiting Researcher at Wuppertal Institute (WI)

Wuppertal,
Germany

May-Jun 2014

- Selected by CEO and visited for 3 months
- Collected best practices of energy system transition from fossil-fuel to renewable energy in urban context and wrote short reports (e.g., conducted a case study of Ruhr Transition Project)
- Designed and proposed joint research project for current city-level technology transition projects between Korean and Germany

WORLD BANK

Washington DC

Consultant

Dec-Feb 2012

- Formulated developing qualitative research tool, Data Collection Instrument (DCI), for China's Technical Vocational Education and Training (TVET) policy for Systems Approach for Better Education Results – Workforce Development (SABER-WfD)
- Researched China's HR development policies in 11th and 12th 5-year plans

Honors and Awards

2020	Pi Alpha Alpha, the Global Honor Society for Public Affairs & Administration
2019-20	NSF Doctoral Dissertation Research Grant [funded by Law and Social Sciences (LSS) and Science of Science Policy (SOS) Programs]
2019	GW Summer Dissertation Grant, GWU
2017-18	Milken Institute School of Public Health Tuition Award, GWU
2016-17	Trachtenberg Tuition Fellowship, GWU
2014-15	Ministry of Science and ICT, Research Grant, GTC
2010-12	Chinese Government Council Scholarship, Tsinghua University
2010	Kermit C. Parsons & Janice I. Parsons Scholarship, Cornell University
2008-10	Dean's List for highest GPA, Cornell University

Teaching Experience

2022	PPPA 6069: Science and US Public Policy, Professorial Lecturer, GWU
2021	PubH 3150: Sustainable Energy and Public Health, Professorial Lecturer, GWU
2011	English for Graduate Students, Instructor, Tsinghua University
2009	Comm:2030: Argumentation and Debate, Teaching Assistant, Cornell University

Publications

- 2022 Kim, D., Glicksman, R., Groth-Tuft, K. (2022) Judicial Review of Scientific Uncertainty in Climate Change Lawsuits: Deferential and Nondeferential Evaluation of Agency Factual and Policy Determinations. **Harvard Environmental Law Review**.
- 2022 Lauren Johnson, Perrin Krisko, Maha Malik, Catherine O'donnell, Nick Pendleton, Doyeon Ahn, Andrea Bizberg, Zoe Chafe, Daniel Kim, Sabrina McCormick, Seneca Naidoo and Susan Anenberg (2022) Environmental, health, and equity co-benefits in urban climate action plans: A descriptive analysis for 27 C40 member cities. **Frontiers in Sustainable Cities, section Health and Cities**
- 2018 McCormick, S., Simmens, S.J., Glicksman, R., Paddock, L., Kim, D., Whited, B., Davies, W. (2018) Strategies in and outcomes of climate change litigation in the United States, **Nature Climate Change** 8, 829-833
- 2018 McCormick, S., Glicksman, R., Paddock, L., Simmens, S.J., Kim, D., Davies, W., Whited, B. (2018) Climate Litigation: A Novel Role for Public Health in Policy, **American Journal of Public Health**. 108(S2), 104-108.
- 2017 McCormick, S., Simmens, S.J., Glicksman, R., Paddock, L., Kim, D., Whited, B., Davies, W. (2017) Science in Climate Litigation: The Third Branch of Climate Policy in the United States, **Science**, 357(6355), 8-10
- 2015 Kim, D., Sung, J. (2015) Living Laboratory Experiment for Sustainable Energy Transition in Cities: Case of Bottrop SusLab NWE in Germany, **Science and Technology Policy Institute (STEPI) Insight** Vol. 158
- 2014 Kim, D. (2014) Socio-technical Transition in Urban Context and City-to-City Cooperation (C2C) among Green Cities in Korea, **Green Technology Center Annual Policy Report 2014-007**
- 2013 Kim, D. (2013) Green Technology Transfer and Capacity Building Programs for Developing Countries, **Green Technology Center Annual Policy Report 2013-C13232**

Conference Presentations & Invited Speeches

ACADEMIC CONFERENCES:

- 2022 Kim D. Judicial Review of Scientific Uncertainty in Climate Change Lawsuits: Deferential and Nondeferential Evaluation of Agency Factual and Policy Determinations. Law & Society Association (LSA) Annual Meeting, July 2022
- 2022 Kim D. Judicial Review of Scientific Uncertainty in Climate Change Lawsuits: Deferential and Nondeferential Evaluation of Agency Factual and Policy Determinations. Arizona State University's Seventh Annual Sustainability Conference of American Legal Educators, May 2022
- 2022 Kim D. Judicial Review of Scientific Uncertainty in Climate Change Lawsuits: Deferential and Nondeferential Evaluation of Agency Factual and Policy Determinations. Socio-Legal Studies Association (SLSA) Conference, April 2022
- 2020 Kim, D. Climate Change Litigation: Impact of Science in Courts. APPAM International Conference, July 2020
- 2019 Kim, D. Science in Court: An Analysis of Climate Change Litigation in the US from 1990 to 2018. Oral presentation at the Society for the Study of Social Problems (SSSP) in New York, New York, August 2019
- 2019 Kim D. Science in Court: An Analysis of Climate Change Litigation in the US from 1990 to 2018. Roundtable Discussion at the American Sociological Association (ASA) Annual Meeting in New York, New York, August 2019
- 2019 Kim D. The Role of Scientists in Climate Change Lawsuits. Socio-Legal Studies Association Conference, April 2019

- 2017 Kim, D. and McCormick, S. Climate Change Litigation: Scientists under Scrutiny. Oral presentation at the Society for Social Studies of Science (4S) in Boston, Massachusetts, August 2017
- 2017 McCormick, S., Glicksman, R., Paddock, L., Simmens, S.J., Kim, D., Davies, W., Whited, B. Climate Change Movements and the Courts: Policy Making and the Role of Science Oral presentation at the Society for Social Studies of Science (4S) in Boston, Massachusetts, August 2017
- 2017 McCormick, S., Kim, D., Glicksman, R., Paddock, L., Simmens, S.J., Davies, W., Whited, B. Social Movements and Science in the Courts: The Case of Climate Change. Oral presentation at American Sociological Association (ASA) Annual Meeting in Montreal, Quebec, Canada, August 2017
- 2017 Kim, D. Climate Change Litigation: Scientists under Scrutiny. Oral presentation at Science and Technology Global Consortium 2017 (AAAS) in Washington DC, USA, March 2017
- 2016 Vonortas, N. and Kim, D. Trends and challenges on systematic impact evaluation in science and innovation funding agencies. Oral presentation at Open Evaluation 2016: International RTI Policy Evaluation Conference in Vienna, Austria, November 2016

INVITED SPEECHES:

- 2015 Kim, D., Socio-Technical Transition in Urban Context. Oral Presentation at ICLEI World Congress 2015: Sustainable Solutions for an Urban Future in Seoul, Korea, April 2015
- 2014 Kim, D., International Renewable Energy Technology Initiatives and the Role of Government Research institutes. Oral Presentation at CITYNET Executive Committee Meeting and International Seminar in Hue, Vietnam, November 2014
- 2014 Kim, D., Assessing the influence of Green Technology Initiatives in Korea. Oral Presentation at ICLEI Energy-safe Cities in East Asia Program - Expert Symposium in Beijing, China, October 2014
- 2014 Kim, D., City-to-City Cooperation in East Asia: Benchmarking German Public-Private Partnership Model. Oral Presentation at Joint Workshop hosted by Green Technology Center and Wuppertal Institute, Seoul, Korea, October 2014
- 2014 Song, E. and Kim, D., Urban Transportation Policy and its Implication for Green Transportation System in Hampshire, UK. Oral Presentation at The Korea Society for Innovation Management & Economics in Jeju island, Korea, June 2014
- 2013 Kim, D., North-South Cooperation through Designing Biomass Technology Training Program. Oral Presentation at The 4th Seoul Science and Technology Forum in Seoul, Korea, November 2013

CONFERENCES ORGANIZED:

- 2014 Low Carbon and Eco-Friendly Cities, Green Technology Center and Wuppertal Institute Joint Workshop, October 24
- 2013 Advanced Training Program on Waste to Energy Technology for Developing Countries, Green Technology Center & UN Development Programme, Nov 25-30
- 2013 Seoul Science and Technology Forum, Green Technology Center & Korea Institute of Science and Technology, Oct 30 – Nov 02
- 2013 Global Green Partnership Forum on Technology-Finance-Policy Strategic Plan, Green Technology Center, December 04

Training & Service to Profession

- 2018-20 Associate Editor for the *Journal of Science Policy and Governance (JSPG)*
- 2019 Peer reviewer for *Transnational Environmental Law (TEL)*
- 2019 Invited Participant for the Expert Witness Training Academy, Mitchell Hamline School of Law & NSF Paleoclimate Program
- 2010 Invited Participant for the Global Classroom: Integrated Approach to Sustainable Development Practice, The Earth Institute of Columbia University & Tsinghua University

Technology & Computer Skills

STATA
SPSS
NVIVO
ARCGIS
ABODE PHOTOSHOP

Language

ENGLISH (FLUENT)
KOREAN (FLUENT)
CHINESE MANDARIN (PROFESSIONAL)