

# Sola Kim

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<b>RESEARCH INTEREST</b>	Collective Action Problems, Institutional Analysis, Environmental Policy Decision-making, Natural Language Processing(NLP), Social-Ecological System(SES)	
<b>EDUCATION</b>	<i>Ph.D.</i> , Sustainability Arizona State University, Tempe, AZ, United States • Advisor: Dr. J. Marty Anderies	Aug 2021-Present
	<i>M.A.</i> , Political Science Seoul National University, Seoul, Republic of Korea • Thesis: “Social-Ecological System of Common-pool Resource: 30 Years of Water Conflict in Wando” • Advisor: Dr. T. K. Ahn	Mar 2017-Aug 2020
	<i>B.A.</i> , International Studies, Minor in Law Kwangwoon University, Seoul, Republic of Korea • Overall GPA: 4.0/4.0 • Dean’s List all 8 semesters	Mar 2013-Feb 2017
<b>WORKING PAPERS</b>	<i>(In progress) Kim, S., &amp; Anderies, J. M. (2023). Institutional Play within the Feedback System against Climate Change: The Case of Seaweed Aquaculture in Southern South Korea.</i>	
<b>RESEARCH EXPERIENCE</b>	<i>Research Intern</i> United Nations University - FLORES, Dresden, Saxony, Germany Agri-food and Forest Systems & Climate Change Mitigation and Adaptation	Aug 2021-Jan 2022
	<ul style="list-style-type: none"><li>Contributed to the publication of research papers in peer-reviewed journals, presenting insights and recommendations for sustainable resource management practices.</li><li>Acquired expertise in data compilation, statistics, and visualization using R, which enabled effective analysis and presentation of research findings.</li><li>Participated in team meetings and discussions, providing valuable contributions to ongoing research projects and proposing innovative solutions.</li><li>Engaged in literature review and study, staying up-to-date with current developments and best practices in the field of sustainable resource management.</li><li>Built strong relationships with academic partners and collaborators, fostering collaboration and cooperation to achieve common research goals.</li></ul>	
	<i>Research Assistant</i> Green Technology Center, Seoul, Republic of Korea Department of Comprehensive Technology	Mar 2021-June 2021
	<ul style="list-style-type: none"><li>Conducted research and published issue papers on European R&amp;D policy and its impact on green technology, including the 7th Energy Research Policy and the Copernicus project in Germany.</li></ul>	

- Contributed to the preparation and publication of an issue paper for decision-makers on the America Jobs Plan and the Leaders Summit on Climate under the Biden Administration.
- Analyzed relevant data and trends, conducting literature review and synthesizing key insights to inform research findings and recommendations.
- Collaborated with team members and stakeholders, providing support and contributing to project management and communication efforts.
- Developed strong knowledge of green technology and its role in shaping policy and promoting sustainability, keeping abreast of current developments in the field.

*Graduate Research Fellow* Mar 2017-Dec 2017  
 Korea Advanced Institute of Technology(KAIST), Daejeon, Republic of Korea  
 Nuclear Nonproliferation Education and Research Center(NEREC)

- Conducted research on public opinion regarding the resumption of nuclear power plant construction in South Korea, focusing on the results of a deliberative polling conducted by a public debate committee.
- Analyzed data and findings to understand how the deliberation process affects non-attitude and bipolar attitude status, providing valuable insights into public opinion on nuclear power.
- Presented research results at a relevant conference, showcasing insights and recommendations for improving public engagement and understanding in debates on nuclear power.
- Collaborated with academic partners and stakeholders, building strong relationships and fostering cooperation to advance the field of nuclear nonproliferation and education.

*Research Assistant* Mar 2017-Sep 2017  
*Research Intern* Aug 2016-Feb 2017  
 Seoul National University Asia Center(SNUAC), Seoul, Republic of Korea  
 Southeast Asia Center

- Contributed as a Research Intern and later promoted to Research Assistant. The project focused on “Towards ‘Culturally-Sensitive’ Management & Marketing Strategy and Sustainable Economic Cooperation: Focusing on Indonesia and Malaysia as a Malay-Island World.”
- Assisted in conducting research on the consumption culture of Indonesia and Malaysia and the development of a culturally-sensitive management and marketing strategy for sustainable economic cooperation in the ASEAN markets.
- Participated in the writing, editing and publication process of the book, “Consumption Culture of Indonesia and Malaysia: Taste, Zest, Space and Halal”. The book provides valuable insights into the cultural and economic landscape of Indonesia and Malaysia and the potential for socio-cultural cooperation in the newly developing ASEAN markets.
- Demonstrated expertise in conducting research, writing, editing and publication in the field of cultural and economic cooperation, and contributed to the advancement of the field through the publication of the book.

*Program Assistant* Mar 2017-Dec 2017  
 Korean Political Science Association, Seoul, Republic of Korea  
 South and North Korea Unification Education Project Group

- Contributed to the development of educational programs aimed at promoting knowledge and understanding of Korean unification by assisting in the design and organization of unification classes and their curricula, with funding support from the Ministry of Unification of the Republic of Korea.
- Demonstrated strong project management skills by writing and submitting comprehensive budget reports for state-funded research programs and communicating effectively with program managers at universities.
- Displayed exceptional organizational and administrative abilities by providing support in organizing and conducting meetings, including drafting relevant documents, preparing for meetings, providing backstopping, and ensuring follow-up activities were completed in a timely and effective manner.

*Research Intern* Dec 2015-Feb 2016  
 East Asia Institute(EAI), Seoul, Republic of Korea  
 Peace and Security Research Unit

- Conducted qualitative data collection from official statements of the U.S. Department of State and Chinese newspapers to gain insights into the U.S.-China relations and its impact on international political economy.
- Contributed to the publication of the "U.S.-China Relations Factsheet" by compiling, analyzing and presenting data from official statements and articles.

<b>TEACHING EXPERIENCE</b>	Lecturer, Introduction to Sustainability, Arizona State University	Summer 2023
	TA, Equity, Justice & Sustainability, Arizona State University	Spring 2023
	Lecturer, Sustainable Cities (Recitation), Arizona State University	Fall 2022
	Lecturer, Systems Thinking, Arizona State University	Summer 2022
	Grader, Measuring City Sustainability, Arizona State University	Summer 2022
	TA, Systems Thinking, Arizona State University	Spring 2022
	Lecturer, Sustainable World (Recitation), Arizona State University	Fall 2021
	TA, Comparative Politics, Seoul National University	Spring 2019
	TOEFL Tutor, Usher Institute	2018-2020

**ACADEMIC CONFERENCE** "Institutional Play within the Feedback System against Climate Change: The Case of Seaweed Aquaculture in Southern South Korea," presented at XIX Biennial International Association for the Study of the Commons (IASC) Conference "The Commons We Want: Between Historical Legacies and Future Collective Actions" — Advances in Frameworks and Theory, Nairobi, Kenya, June 2023 (Upcoming).

"30 Years of Water Conflict between Two Islands of South Korea with Ostrom's Social-Ecological System Framework," presented at XVIII Biennial International Association for the Study of the Commons (IASC) Conference "Our Commons Future" — Water Commons, Virtual, May 2021.

"Duplicity in Dualism: Public Opinion on Nuclear Power in Korea (2006-2016)", presented in a poster session at International Conference on Nuclear Nonproliferation, KAIST NEREC & Korea Institute of Nuclear Nonproliferation and Control, Daejeon, Republic of Korea, August, 2017.

**ACADEMIC COMPETITION** Winner of Thesis Competition for Korea-Japan-China Trilateral Cooperation, Ministry of Foreign Affairs of Republic of Korea & Sejong Institute, Seoul, South Korea, November 2020, for thesis titled "Korea-Japan-China's Cooperation in Nuclear Power: Reprocessing of Spent Nuclear Fuel."

Co-Winner of Presentation Competition for U.S.-China Relations Forum, East Asia Institute(EAI), Seoul, South Korea, January 2016, for thesis titled “The Future of the Asian-Pacific Economic Order: Regional Comprehensive Partnership(RCEP).”

## INVITED TALKS

“Institutional Play within the Feedback System against Climate Change: The Case of Seaweed Aquaculture in Southern South Korea,” Syracuse University, Virtual, May 2022. Invited speaker at Institutional Grammar Research Initiative Research Seminar.

## **WORKSHOP & TRAINING**

“The Summer Institute of Computational Social Science,” Korea Advanced Institute of Technology (KAIST), Daejon, South Korea, In-person, July 2023.

“2023 IGRI Virtual Conference Graduate Workshop,” Norwegian University of Science and Technology, Gjøvik, Norway, In-person, June 2023.

“2022 IGRI Virtual Conference Graduate Workshop,” University of Colorado, Denver, June 2022. Focused on learning and applying Institutional Grammar and related methods, received research feedback from experts in the field, engaged in discussions, and received assistance with research and data analysis methods.

“The 13th Interdisciplinary PhD Workshop in Sustainable Development,” Columbia University, April 2022. Attended as an audience member to provide valuable feedback to presenters and gain insight into current research trends and challenges in the field of sustainable development. Discussed and exchanged ideas with leading experts and peers in the field, and gained valuable knowledge about current research methods and techniques.

## HONORS & AWARDS

Graduate and Professional Association (GSPA) Jumpstart Research Grant      2023  
• \$750, Arizona State University

Rob Melnick Sustainability Scholarship  
• \$1,000, Arizona State University

Global Environmental Leaders Program (GELP) · \$20,000, Korea Environment Corporation 2021

Winner of Thesis Competition for Korea-Japan-China Trilateral Cooperation 2016  
· \$3,000, Ministry of Foreign Affairs, Republic of Korea

<b>COMPUTER SKILLS</b>	<p><i>Statistics Certificate:</i> Advanced Data Analytics Semi-Professional(ADsP), Korea Data Agency</p> <p><i>Certificated Courses:</i> Network Dynamics of Social Behavior, Qualitative Comparative Analysis (QCA), Introduction to Agent-based Modeling with NetLogo</p> <p><i>Software:</i> Python, R, Tableau, STATA, ArcGIS, nVIVO, NetLogo, LATEX, Adobe Photoshop, Adobe Illustrator</p>
<b>LANGUAGE</b>	Korean: Native English: Fluent, TOEFL Score 110/120 Chinese: Intermediate, HSK Level 5 Japanese: Elementary
<b>REFERENCES</b>	References available upon request.