

# Semiee Yoon

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## ACADEMIC POSITION

- 2022 - current      Assistant Professor of Sustainable Development,  
Graduate School of International Studies, Seoul National University
- 2016 - 2022      Assistant Professor of Sustainable Development and Cooperation,  
Humanities, Arts, and Social Sciences, Underwood International College,  
Yonsei University (with promotion to Associate)

## EDUCATION

**Columbia University, School of International and Public Affairs (SIPA)**      New York, NY  
PhD in Sustainable Development      May 2015  
Faculty Fellow (2010-11), Teaching Fellow (2011-14), Dissertation Fellow (2014-15)  
Dissertation: Essays on Development Economics and Energy Access

**Columbia University, Columbia College**      New York, NY  
BA in Economics with a special concentration in sustainable development      May 2010  
Economics Departmental Honors, *Cum Laude*

## RESEARCH INTERESTS

Science, Technology and Innovation (STI) for Sustainable Development, Impact Evaluation,  
Development Studies, Environmental Economics

## PUBLICATIONS

- Ho, J. and **Yoon, S.** (2022) "Ambiguous roles of intermediaries in social entrepreneurship: The case of Social Innovation System in South Korea." *Technological Forecasting & Social Change*, 175:121324.
- Choi, A., Jung, J. and **Yoon, S.** (2022) "Transboundary air pollution and health: Evidence from East Asia." *Environment and Development Economics*, 27:120–144.
- Hwang, I. and **Yoon, S.** (2021) "Electrification, Labor Force Participation, and Perceived Social Status for Women in Rural China." *Asian Journal of Women's Studies*, 27(1):87-108.
- Kim, J. and **Yoon, S.** (2021) "On Discourse-Practice Misalignment: A mixed-method study of the World Bank's education projects." *East and West Studies*, 33(1):5-63.

- Son, H. and **Yoon, S.** (2020) "Reducing energy poverty: characteristics of household electricity use in Vietnam." *Energy for Sustainable Development*, 59:62-70.
- Kang, Y., Kim, D, and **Yoon, S.** (2020) "Demand for solar home systems in Cambodia: Public awareness and willingness to pay from Takeo Province." *International Development and Cooperation Review*, 12(1):69-85.
- Chung, M., Park, J., Choi, S., Kim, Y, and **Yoon, S.** (2020). "Present and future of higher education of Cambodia: The potential of an information delivery platform to promote inclusive educational opportunities." *International Development and Cooperation Review*, 12(4):201-222.
- Numminen, S., Lund, P., Urpelainen, J. and **Yoon, S.** (2018) "In-depth analysis of reliability issues of solar pico-grids in rural areas." *Sustainable Energy Technologies and Assessments*, 29:147-154.
- Numminen, S., Lund, P., Urpelainen, J. and **Yoon, S.** (2018) "An evaluation of dynamic electricity pricing for solar micro-grids in rural India." *Energy Strategy Reviews*, 21:130-136.
- Chung, M., Kim, J. and **Yoon, S.** (2018) "Current status of Education for Sustainable Development in Christian universities: A Case Study of Chapel in Yonsei University." *University and Mission*, 38:351-382.
- Urpelainen, J. and **Yoon, S.** (2017) "Can product demonstrations create markets for sustainable energy technology? A randomized controlled trial in rural India." *Energy Policy*, 109:666-675.
- Kandlikar, M., Urpelainen, J. and **Yoon, S.** (2016) "Willingness to pay for solar lanterns: Does the trial period play a role?" *Review of Policy Research*, 33(3):291-315.
- Urpelainen, J. and **Yoon, S.** (2016) "Solar products for poor rural communities as a business: Lessons from a successful project in Uttar Pradesh, India." *Clean Technologies and Environmental Policy*, 18:617-626.
- Urpelainen, J. and **Yoon, S.** (2015) "Solar home systems for rural India: Survey evidence on awareness and willingness to pay from Uttar Pradesh." *Energy for Sustainable Development*. 24:70-78. 2015.

## WORKING PAPERS

- Lee, K. and **Yoon, S.** "Context-dependent nature of Sustainable Development Goals at the city level," forthcoming, *Routledge Handbook of Sustainable Development Goals*.
- Ahn, S., Hahn, Y. and **Yoon, S.** "Can STEM learning opportunities reshape gender attitudes for girls?: Field evidence from Tanzania," Revise and Resubmit, *Economics of Education Review*.
- Hwang, I. and **Yoon, S.** "Aspirational revolution or aspiration failure? Evidence on expectations for children's education in China," submitted.
- Son, H. and **Yoon, S.** "Energy access and microeconomic development: a case study of Vietnam."
- Park, S. and **Yoon, S.** "Innovative experiential approach to STEM education program in low resource settings."

Ho, J. and **Yoon, S.** "Social entrepreneurship and sustainable development: Unravelling enablers and barriers through systems approach."

Kocak, O., Roberts, P., and **Yoon, S.** "Programmatic experience and the returns to quality in Cup of Excellence coffee auctions."

## TEACHING

*Assistant Professor of Sustainable Development*, Seoul National University

### Graduate

Seminar in International Development: Environment and Development, Fall 2022.

*Assistant Professor of Sustainable Development and Cooperation*, Yonsei University

### Graduate

Seminar on SDGs, Spring 2022.

Methods of Innovation Research: Quantitative Methods, Spring 2021 - 2022.

Health & Environment for Sustainable Development, Fall 2021.

Topics in Sustainable Development, Fall 2016-2017, 2020-2021.

Implementation of International Development Cooperation and SDGs, Fall 2018 & 2019.

International Development Cooperation & Sustainable Development, Spring 2018 & 2019.

### Undergraduate

Introduction to Sustainable Development and Cooperation, Spring 2016 – 2022.

Cooperation and Support for Sustainable Development: Actors, Actions and Financing, Fall 2018-2021.

Development Field Research, Fall 2016 & 2017, Spring 2019 & 2021 – 2022.

Creative Technology for Social Innovation, Spring 2022.

Social Innovation and Sustainable Development, Spring 2018, Fall 2019 & 2020.

Environmental Issues in Economic Development, Spring 2016 & 2020, Fall 2021.

Game Design for Social Good, Winter 2018.

Development Cooperation and Foreign Aid, Fall 2016 & 2017.

Senior Research Seminar – Behavioral Economics and Development, Spring 2017 – 2019.

*Adjunct Assistant Professor*, School of International and Public Affairs, Columbia University

Microeconomics and Policy Analysis (masters level), Fall 2015

*Co-lecturer*, Columbia University

Challenges for Sustainable Development (undergrad – Prof Jeffrey D Sachs), Spring 2014

## GRANTS & AWARDS

CASA Project Evaluation, Communitas America, 2021-2022. (\$25,000)

Leveraging Infrastructure for Sustainable Development – Pacific Clean Energy Financing Potential,  
Asian Development Bank, 2021-2022. (\$33,000)

B Corp Movement - Asian Market Research Project, B Lab Global, 2021-2022. (\$2500)

Yonsei University Teaching Award, 2019-2020.

CityNet SDG Navigator Framework Evaluation, CityNet Secretariat, 2020. (\$15,000)

International Development Cooperation Research Grant, KOICA, 2020. (\$7000)

Promotion of International Development Cooperation for Higher Education Institutions, KOICA, 2018-2020. (\$40,000)  
 Social Engagement Fund, Institute of Global Engagement and Empowerment, 2018-2019. (\$10,000)  
 Global Research Cooperation Funding (GRCF), Emory & Yonsei University, 2018-2020. (\$40,000)  
 New Faculty Research Seed Funding Grant, Yonsei University, 2016-2019. (\$30,000)  
 Research Grant for Electrification and Green Development, Global Green Growth Institute, 2014. (\$20,000)  
 Dissertation Fellowship, Christian Johnson Endeavor Foundation, 2014. (\$5000)  
 Earth Clinic Seed Funding, Earth Institute, Columbia University 2013-2014. (\$28,000)

### **SERVICE**

Committee Member on Development Cooperation, KIEP	Spring 2021 – current
Co-director, Design Factory Korea, Yonsei University	Spring 2021 – current
Graduate Admissions Committee Member, Yonsei University	Spring 2021 – current
Organizing Committee Member, Global Engagement and Empowerment Forum on Sustainable Development, Yonsei University	Fall 2020 – Winter 2022
Director, Yonsei Center for Social Innovation, UIC, Yonsei University	Fall 2020 – current
Associate Vice President for International Affairs, Yonsei University	Fall 2019
Co-director, Design Factory Korea, Yonsei University	Spring 2018 – Fall 2019
Undergraduate Admissions Committee Member, Yonsei University	Fall 2017 – Winter 2021
President, Sustainable Development Doctoral Society, Columbia University	Fall 2012–Spring 2013
Lead organizer, 3 <sup>rd</sup> Interdisciplinary Ph.D. Workshop in Sustainable Development	Spring 2013

### **OTHER WORK EXPERIENCE**

Expert Evaluation Committee Member to UNDP/GEF Sudan Project, KOICA	Winter 2018
External Consultant, Korea Environment Institute	Summer – Fall 2015
Consultant, Global Green Growth Institute	Fall 2013 – Winter 2014
Researcher, Earth Institute, Columbia University	Fall 2012 – Winter 2015
Research Fellow, Project Malawi	Fall 2010 – Spring 2012

### **PERSONAL INFORMATION**

Citizenship: Korean (Republic of Korea).  
 Languages: Korean (mother tongue), English (fluent).