

HYESEON SHIN

PERSONAL INFO

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EDUCATION

The Ohio State University	Ohio, USA
Ph.D. <i>candidate</i> , Agricultural, Environmental, and Development Economics	2019 - 2025 (<i>expected</i>)
Seoul National University	Republic of Korea
M.A. in Economics, Agricultural and Resource Economics Major	2017 - 2019
University of Groningen	The Netherlands
Exchange Student, Economics and Business Economics	2015 Fall
Seoul National University	Republic of Korea
B.A. in Economics, Agricultural and Resource Economics Major	2013 - 2017

RESEARCH INTERESTS

International Trade, Agricultural Economics, Environmental Economics

WORKING PAPERS

"Agriculture, Trade, Migration and Climate Change" (*Job market paper*)

Abstract: Climate change can affect agricultural production through land productivity and multicropping capacities, with effects largely heterogeneous across countries and crops. Given the agricultural sector's substantial contribution to both income and employment in many developing economies, evolving agro-climatic conditions have the potential to reshape labor reallocation as well as agricultural production. I build and quantify a dynamic spatial general equilibrium model incorporating farmers' optimal crop choices, international trade, and forward-looking household migration. Findings indicate that under RCP 8.5, the overall global welfare effect on agricultural workers is modest, yet welfare effects vary substantially across countries. Results also highlight that the general equilibrium effects of labor mobility are nontrivial, and domestic structural transformation, in particular, plays a crucial role in mitigating the adverse effects of climate change.

Presentations: Camp Resources XXX, AAEA Annual Meeting, AAEA-KREI Workshop, JIE Summer School, MEA Annual Meeting, MSU AFRE Brown Bag Seminar, IATRC Annual Meeting, Columbia University IPWSD

"Dynamics of Global Emission Permit Prices and Regional Social Cost of Carbon under Noncooperation" (with Y. Cai, and K. Malik)

Abstract: We build a dynamic multi-region model of climate and economy with emission permit trading among 12 aggregated regions in the world. We solve for the dynamic Nash equilibrium under noncooperation, wherein each region adheres to the emission cap constraints following commitments that were first outlined in the 2015 Paris Agreement and later strengthened under the Glasgow Pact. Our model shows that the emission permit price reaches \$845 per ton of carbon by 2050. We demonstrate that a regional carbon tax is complementary to the global cap-and-trade system, and the optimal regional carbon tax is equal to the difference between the regional marginal abatement cost and the permit price.

Presentations: LSE Environment Camp, Heartland Workshop, OSU Interdisciplinary Research Fall Forum

PUBLICATIONS

"Upgrading Food Product Quality: The Impact of Tariffs and Standards"	2024
<i>Journal of Agricultural and Resource Economics</i> (with J. Eum, I. Sheldon, and S. Thompson)	

OTHER ARTICLES

"The Future of (Ag-) Trade and Trade Governance in Times of Economic Sanctions and Declining Multilateralism" , IATRC Trade Policy Brief. (with R. G. da Silva, V. Litvinov, S. Oh, and A. P. T. Nguyen.)	2024
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PRESENTATIONS

Camp Resources XXX Workshop (NC State University, Asheville), 2024 Agricultural & Applied Economics Association Annual Meeting (AAEA, New Orleans), AAEA-KREI Workshop (Korea Rural Economic Institute, New Orleans), Summer School in International Economics, by the Journal of International Economics (University of Oxford), LSE Environment Camp (London School of Economics), AFRE Brown Bag Seminar (Michigan State University), Annual Meetings of the 88th Midwest Economics Association (MEA, Chicago)	2024
International Agricultural Trade Research Consortium 2023 Annual Meeting (IATRC, Florida), Interdisciplinary Research Fall Forum: Computational Approaches for a Just and Sustainable World (The Ohio State University), The Heartland Environmental and Resource Economics Workshop (University of Illinois Urbana-Champaign), Interdisciplinary PhD Workshop in Sustainable Development (IPWSD, Columbia University), Annual Meetings of the 87th Midwest Economics Association (MEA, Cleveland)	2023
Annual Meetings of the 86th Midwest Economics Association (MEA, Minneapolis)	2022

AWARDS AND GRANTS

Travel Grant, LSE Environment Camp	2024
Travel Grant, IATRC 2023 Annual Meeting	2023
Travel Grant, IPWSD-Columbia University	2023
University Fellowship, The Ohio State University	2019-2020
Lecture and Research Scholarship, Seoul National University	2017
Scholarship, Hans' Scholarship Foundation	2016, 2018
Minister of Agriculture, Food and Rural Affairs Award (Best Paper Award)	2016
OIA Outgoing Exchange Student Scholarship, Seoul National University	2015
Merit-based Scholarship, Seoul National University	2014, 2015, 2017, 2018
Scholarship, Samsung Welfare Foundation	2014
Scholarship, Kwanak Corporation	2014

OTHER SKILLS

Software & Tools	GAMS, STATA, Matlab, ArcGIS, Python, L ^A T _E X
Languages	English (fluent), Korean (native)

PROFESSIONAL REFERENCES

Ian Sheldon (advisor)	Professor sheldon.1@osu.edu 614-292-2194 Dissertation Committee Chair The Ohio State University Dept. of Agricultural, Environmental, and Development Economics Andersons Chair of Agricultural Marketing, Trade and Policy	Yongyang Cai	Professor cai.619@osu.edu 614-688-2654 Dissertation Committee Member The Ohio State University Dept. of Agricultural, Environmental, and Development Economics
Abdoul Sam	Professor sam.7@osu.edu 614-247-8647 Dissertation Committee Member The Ohio State University Dept. of Agricultural, Environmental, and Development Economics	Seungki Lee	Assistant Professor lee.10168@osu.edu 614-247-9170 Dissertation Committee Member The Ohio State University Dept. of Agricultural, Environmental, and Development Economics