

Thanicha Ruangmas

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- APPOINTMENT 2019-Present **Assistant Clinical Professor**
Sustainability Analytics Stream
The First-Year Innovation & Research Experience (FIRE)
University of Maryland, College Park
- EDUCATION 2018 Ph.D. in Agricultural and Applied Economics, UW-Madison
2011 B.A. in Economics, Chulalongkorn University
- PUBLICATIONS **Ruangmas, T.** & Olson, L. J. 2024. FIRE Sustainability Analytics: An Innovative Approach to Engaging Undergraduate Students in Economics Research. *Applied Economics Teaching Resources*, 6 [[LINK](#)]
- Grainger, C. & **Ruangmas, T.** 2018. Who Wins from Emissions Trading? Evidence from California. *Environmental and Resource Economics*, 71(3), 703-727
<https://doi.org/10.1007/s10640-017-0180-1>
- SELECTED (* indicates undergraduate students)
WORKS IN Fostering Data Literacy through Paper Replication & Reproducible Workflows
PROGRESS [[LINK](#)]
- Do Light Rails Provide the Track to Cleaner Air? *with Thomas, L.**, *Yancey, R.**, *Zhang, G.**
- Intertemporal Management of Agricultural Pests and Diseases: Theory and Application *with Olson, L. J.*
- TECHNICAL **Ruangmas, T.** (2022) *How to Run HYSPLIT and Calculate Affected Population*
REPORTS *with R.* [[LINK](#)]
- Chapman, J.*
- Ruangmas, T.** (2020) *Using Online Data to Identify Farms Selling Poultry and Eggs in Delaware, Maryland, and Virginia.* FIRE-USDA APHIS Report [[LINK](#)]
- Ruangmas, T.** (2015). *Decomposition of SO₂ and NO_x Emissions in the EU: Leakage or Technology Adoption?*. IIASA YSSP Proceedings

PRESENTATIONS

Ruangmas, T. (2024, June 25). *Fostering Data Literacy through Paper Replication & Reproducible Workflows* ConnectUR Conference 2024, College Park, Maryland [\[SLIDES\]](#)

Ruangmas, T. (2024, May 31). *Fostering Data Literacy through Paper Replication & Reproducible Workflows* CTREE Conference 2024, Atlanta, Georgia

Ruangmas, T. (2023, January 7). *Empirical Training for a Successful Course-Based Undergraduate Research Experience* [Poster Presentation]. ASSA 2023 Annual Meeting, New Orleans, Louisiana

Chapman, J.*, Kothari, S.*, Lazarus-Hall, A.*, Olson, L.J., Relan, M.* & **Ruangmas, T.** (2020, August 28) *Using Online Data to Identify Farms Selling Poultry and Eggs in Delaware, Maryland, and Virginia.* USDA-APHIS Virtual Science Webinar

Ruangmas, T. (2017) EAAERE Conference, Nanyang Technological University, Singapore

Ruangmas, T. (2017) IAEE Conference, National University of Singapore, Singapore

Ruangmas, T. (2016) EEPSEA Member Conference, Bangkok, Thailand

Ruangmas, T. (2016) ICTH Conference, San Jose State University, California

Ruangmas, T. (2016) AERUS Conference, University of Illinois Urbana-Champaign, Illinois

AWARD

2022-2023 Faculty Mentor Award, Philip Merrill Presidential Scholars Program

FELLOWSHIPS AND GRANTS

2021 USDA-APHIS Summer Grant (\$16k)
2020 USDA-APHIS Summer Grant (\$15k)
2016 Global Health Institute Research Award, UW-Madison (\$4k)
2015 Economy and Environmental Program for Southeast Asia Grant (\$10k)
2014 Young Scientists Summer Program Fellow, IIASA
2007-2011 Undergraduate Fellowship, Chulalongkorn University

TEACHING

University of Maryland, College Park
2019-2024 FIRE120 FIRE Semester 1
2019-2024 FIRE198 FIRE Semester 2 - Sustainability Analytics [\[SYLLABUS\]](#)
2022-2024 FIRE199 Summer Internship - Sustainability Analytics [\[SYLLABUS\]](#)
2020-2024 FIRE298 FIRE Semester 3 - Sustainability Analytics [\[SYLLABUS\]](#)
University of Wisconsin-Madison
2015 AAE244 Environment and the Global Economy (TA)
2012-2014 AAE343 Environmental Economics (TA)

SERVICE TO PROFESSION	2024	Referee for <i>Applied Economics Teaching Resource</i> Abstract Reviewer for <i>AERE-Southern Economic Association</i>
	2022	Peer Reviewer to U.S. Environmental Protection Agency Clean Air Markets Division's <i>Power Plant Environmental Justice</i> <i>Screening Methodology</i> [LINK]
SERVICE TO UNIVERSITY		<i>University of Maryland, College Park</i>
	2021-Present	FIRE120 Committee
	2021-Present	FIRE Professional Development Committee
	2019-2021	FIRE Social Media Committee
	2019-2020	FIRE Summer Fellow Committee
		<i>University of Wisconsin-Madison</i>
	2016	Treasurer, Taylor-Hibbard Club
RESEARCH AND OTHER EMPLOYMENT	2015-2017	RA to Corbett Grainger
	2013	RA, Thailand Universities for Healthy Public Policies Institute
	2011-2012	Consultant, PricewaterhouseCoopers Thailand
SKILLS	Technical	R, Stata, Matlab, Mathematica, ArcGIS, L ^A T _E X, Markdown
	Linguistic	Thai (native), English (fluent)
CITIZENSHIP		Thai, Authorized to work for any US employer