

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 2011	Ph.D. in Agricultural and Applied Economics, UW-Madison 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. <i>Applied Economics Teaching Resources</i> , 6 [LINK] Grainger, C. & Ruangmas, T. 2018. Who Wins from Emissions Trading? Evidence from California. <i>Environmental and Resource Economics</i> , 71(3), 703-727 [LINK]
SELECTED WORKS IN PROGRESS		(* indicates undergraduate students) Fostering Data Literacy through Paper Replication & Reproducible Workflows (under review) [LINK] Do Light Rails Provide the Track to Cleaner Air? <i>with Thomas, L.*</i> , <i>Yance, R.*</i> , <i>Zhang, G.*</i> Intertemporal Management of Agricultural Pests and Diseases: Theory and Application <i>with Olson, L. J.</i>
TECHNICAL REPORTS		Ruangmas, T. (2022) <i>How to Run HYSPLIT and Calculate Affected Population with R.</i> [LINK] Chapman, J.*, Kothari, S.*, Lazarus-Hall, A.*, Olson, L.J., Relan, M.* & Ruangmas, T. (2020) <i>Using Online Data to Identify Farms Selling Poultry and Eggs in Delaware, Maryland, and Virginia.</i> FIRE-USDA APHIS Report Ruangmas, T. (2015). <i>Decomposition of SO₂ and NO_x Emissions in the EU: Leakage or Technology Adoption?</i> . IIASA YSSP Proceedings [LINK]

PRESENTATIONS	Ruangmas, T. (2024, June 25). <i>Fostering Data Literacy through Paper Replication & Reproducible Workflows</i> ConnectUR Conference 2024, College Park, Maryland	
	Ruangmas, T. (2024, May 31). <i>Fostering Data Literacy through Paper Replication & Reproducible Workflows</i> CTREE Conference 2024, Atlanta, Georgia	
	Ruangmas, T. (2023, January 7). <i>Empirical Training for a Successful Course-Based Undergraduate Research Experience</i> [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) <i>Using Online Data to Identify Farms Selling Poultry and Eggs in Delaware, Maryland, and Virginia</i> . 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	
AWARD	Ruangmas, T. (2016) ICTH Conference, San Jose State University, California	
	Ruangmas, T. (2016) AERUS Conference, University of Illinois Urbana-Champaign, Illinois	
	2022-2023	Faculty Mentor Award, Philip Merrill Presidential Scholars Program
	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)
FELLOWSHIPS AND GRANTS	2014	Young Scientists Summer Program Fellow, IIASA
	2007-2011	Undergraduate Fellowship, Chulalongkorn University
	<i>University of Maryland, College Park</i>	
	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]
TEACHING	<i>University of Wisconsin-Madison</i>	
	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, Python, Matlab, Mathematica, ArcGIS, \LaTeX
	Linguistic	Thai (native), English (fluent)