

Thanicha Ruangmas

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[ruangmas.github.io](https://github.com/ruangmas)

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 https://doi.org/10.1007/s10640-017-0180-1	
SELECTED WORKS IN PROGRESS	(* indicates undergraduate students) Fostering Data Literacy through Paper Replication & Reproducible Workflows [LINK] Do Light Rails Provide the Track to Cleaner Air? <i>with Thomas, L.*</i> , <i>Yancey, R.*</i> , <i>Zhang, G.*</i>	
TECHNICAL REPORTS	Ruangmas, T. (2022) <i>How to Run HYSPLIT and Calculate Affected Population with R.</i> [LINK] Chapman, J.* <i>,</i> Kothari, S.* <i>,</i> Lazarus-Hall, A.* <i>,</i> Olson, L.J. <i>,</i> 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 [LINK] Ruangmas, T. (2015). <i>Decomposition of SO₂ and NO_x Emissions in the EU: Leakage or Technology Adoption?</i> . IIASA YSSP Proceedings	
PRESENTATIONS	2024 2023 2020 2017 2016	ConnectUR (College Park, MD), CTREE (Atlanta, GA) ASSA (New Orleans, Louisiana) USDA-APHIS Science Virtual Webinar EAAERE (Nanyang Technological University), EEPSEA (Bangkok, Thailand), ICTH (San Jose State), AERUS (University of Illinois Urbana-Champaign)

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		<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]
		<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 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, \LaTeX , Markdown
	Linguistic	Thai (native), English (fluent)
CITIZENSHIP		Thai, Authorized to work for any US employer