

ANNA LOU ABATAYO

Building 201, Room 1105

Hollandseweg 1, 6706 KN Wageningen, Netherlands

+31317485928 | anna.abatayo@wur.nl | www.annabatayo.com | [@annabatayo](https://twitter.com/annabatayo)

Current Position

2021 - Present Assistant Professor (*tenured*, 2024), Environmental Economics and Natural Resource Group, Section Economics, Department of Social Sciences, Wageningen University & Research
2021 - Present Fellow, Wageningen School of Social Sciences, Wageningen University & Research
2021 - Present Fellow, Wageningen Institute for Environment and Climate Research, Wageningen University & Research

Education

Ph.D. Economics, Department of Economics, University of Hawai'i at Mānoa, August 2015

Dissertation: *Managing the Commons: Regulation, Migration, and Natural Disasters*

Committee: John M. Lynham (co-chair), Katerina V. Sherstyuk (co-chair), Michael J. Roberts, Timothy J. Halliday, and Kirsten L.L. Oleson

M.A. Economics, School of Economics, University of the Philippines - Diliman, June 2009

B.S. Management Engineering (Honors Program), John Gokongwei School of Management, Loyola Schools, Ateneo de Manila University, March 2005

Fields of Specialization

Primary: Applied Microeconomics, Environmental & Resource Economics, Experimental Economics

Secondary: Behavioral Economics, Climate Change Economics, Public Economics

Previous Positions

PRIMARY ACADEMIC

2020 - 2021 Research Analyst, Center for Research in Student Mobility, Seneca College
2017 - 2020 Researcher with Grant Bocconi, Bocconi University
Fellow, Centre for Geography, Resources, Environment, Energy, and Networks (GREEN) from 2019 - 2020; and Senior Research Fellow, Center for Research on Energy and Environmental Economics and Policy (IEFE) from 2017 - 2019
2015 - 2017 Post-doctoral Fellow, Department of Food and Resource Economics & Center for Macroecology, Evolution and Climate, University of Copenhagen

OTHER ACADEMIC

2020 - 2021 Affiliated Researcher, Department of Food, Agriculture and Resource Economics (FARE), University of Guelph
2019 - 2020 Research Scientist, Metascience, Center for Open Science
2017 - 2018 Visiting Researcher, Fondazione Eni Enrico Mattei (FEEM)

CONSULTANCY

Mar. 2018 - Jul. 2018 Consultant, Global Green Growth Institute & UAE Ministry of Climate Change and Environment
Jul. 2012 - Sep. 2012 Local Government Analyst, World Bank
Apr. 2010 - Aug. 2010 Information Research Consultant, Asian Development Bank
Oct. 2009 - Apr. 2010 Independent Evaluations Consultant, Asian Development Bank

Publications

● Open Access ✿ Data and Code Available Online ✂ Has Related Data Article

RESEARCH ARTICLES

13. **Abatayo, A.L.** and Li, T. (2024), The Effect of Information and Social Nudges Under Heterogeneous Public Goods and Bads. *Canadian Journal of Economics / Revue canadienne d'économique*, DOI: 10.1111/caje.12713. ● ✿
12. **Abatayo, A.L.**, van Adrichem, M, and Lynham, J. (2024) Comparing Access to US Marine and Terrestrial Protected Areas, *Nature Sustainability*, DOI: 10.1038/s41893-024-01274-1. ● ✿
11. Ghidoni, R., **Abatayo, A.L.**, Bosetti, V., Casari, and Tavoni, M. (2023). Transfers and treaties do not solve free-driving in geo-engineering experiments. *Journal of Association of Environmental and Resource Economists*, 10(5), DOI: 10.1086/724286. ● ✿
10. **Abatayo, A.L.** and Lynham, J. (2023). Resource Booms and Group Punishment in a Coupled Social-Ecological System, *Ecological Economics*, 206, DOI: 10.1016/j.ecolecon.2022.107730. ● ✿ ✂
9. **Abatayo, A.L.**, Lynham, J., and Shertyuk, K. (2020). Communications, Expectations, and Trust: An Experiment with Three Media, *Games*, 11(4), DOI: 10.3390/g11040048. Special Issue on "Experiments on Communication in Games". Guest editors: Caleb Cox and Brock Stoddard. ●
8. **Abatayo, A.L.**, Bosetti, V., Casari, M., Ghidoni, R., and Tavoni, M. (2020). Solar geoengineering may lead to excessive cooling and high strategic uncertainty, *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.1916637117. ● ✿
7. **Abatayo, A.L.**, Svenningsen, L., and Thorsen, B. (2020). Thankful or thankless: does the past's altruism increase the present's public good contributions?, *Games*, 1(6): 1- 29. Special Issue on "Social and Environmental Behavior and Game Theory". Guest editor: Antonio Espin, Filippos Exadaktylos, and Roberto Hernán-González. ●
6. **Abatayo, A.L.** and Lynham, J. (2019). Risk preferences after a typhoon: an artefactual field experiment with Philippine fishers, *Journal of Economic Psychology*, DOI: 10.1016/j.joep.2019.102195. ● ✿
5. Vodrup-Schmidt, M., **Abatayo, A.L.**, Strange, N., Shogren, J., and Thorsen, B.J. (2018). Factors affecting support for transnational conservation targeting migratory species. *Ecological Economics*, 157: 156-164. ✿ ✂
4. **Abatayo, A.L.** and Thorsen, B. (2017). One-shot exogenous interventions increase subsequent coordination in Denmark, Spain and Ghana. *PLoS ONE*, 12(11): e0187840. ●
3. **Abatayo, A.L.**, Lynham, J., and Shertyuk, K. (2017). Facebook-to-Facebook: Online Communication and Economic Cooperation. *Applied Economics Letters*, 1-6.
2. Bull, J.W., **Abatayo, A.L.**, and Strange, N. (2017). Counterintuitive proposals for trans-boundary ecological compensation under 'no net loss' biodiversity policy. *Ecological Economics*, 142: 185-193. ✿ ✂
1. **Abatayo, A.L.** and Lynham, J. (2016). Endogenous vs. exogenous regulations in the commons. *Journal of Environmental Economics and Management*, 76: 51-66.

DATA ARTICLES

3. **Abatayo, A.L.**, Bull, J.W., and Strange, N. (2023). Data on Transnational Ecological Compensation Under a 'No Net Loss' Biodiversity Policy, *Data in Brief*, 49:109324, DOI: 10.1016/j.dib.2023.109324.
2. **Abatayo, A.L.** and Lynham, J. (2023). Data on How Abundance of Resource Inflows and Punishment Types Affect Resource Extraction Behavior, *Data in Brief*, 48: 109215, DOI: 10.1016/j.dib.2023.109215.
1. **Abatayo, A.L.**, Vodrup-Schmidt, M., Shogren, J., Strange, N., Thorsen, B.J. (2023). Data on Donation Behavior Towards the Conservation of Migratory Species, *Data in Brief*, 48:109130, DOI: 10.1016/j.dib.2023.109130.

Selected Working Papers

Drafts available online or upon request.

Predicting the replicability of social and behavioural science claims in a crisis: The COVID-19 Preprint Replication Project (with Marcoci, A., Wilkinson, D., Baskin, E., Berkman, H., Buchanan, E., et al.), *revise-and-resubmit*, *Nature Human Behaviour*

Generational Solidarity for Global Public Goods (with Svenningsen, L.S. and Thorsen, B.J.)

Prepayment, Price, and Welfare: A Study on Electricity Demand in Indonesia (with Imelda and Budy Ressosudarmo)

Different Shades of Green: Conspicuous Conservation in Our Future World (with Alpizar, F., Delnoij, J., and Richter, A.)

Who Gives a Dam? The Impacts of Dam Removal on Property Values in the Northeast USA (with Holdorf, F. and Lynham, J.)

Selected Works in Progress

Data has been collected and preliminary analysis has been conducted.

Creation on New Protected Areas Increase Housing Value (with Lynham, J. and Stuer, K.)

Pursuing Scalable Methods of Research Credibility Assessment (Balaji, L., Benjamin, D., Bishop, M., Bush, M., Chakravorti, T., et al.)

What determines the willingness to exploit the mesopelagic zone? The role of risk and externalities (with Andries Richter)

Teaching

INSTRUCTOR

Period5 2023-2024	Environmental Economics in Long Run Perspective (Graduate), Wageningen University & Research
Period5 2021-2024	Central Themes in Economic Development (Graduate), Wageningen University & Research
Period5 2021-2024	Climate Governance (Graduate), Wageningen University & Research
Period6 2021	Environmental Economics in Practice (Undergraduate), Wageningen University & Research
Fall 2020	Environmental Economics and Policy (Undergraduate), De La Salle University
Fall 2018	Environmental Economics and Policy (Graduate), Bocconi University
Spring 2017	Environmental and Resource Economics (Graduate), University of Copenhagen
Fall 2016	Experimental and Behavioral Economics (Undergraduate), American University of Central Asia
Summer 2013	Principles of Microeconomics (Undergraduate), University of Hawai'i at Mānoa
Summer 2008	Microeconomics Cram Course (Graduate), University of the Philippines - Diliman
Summer 2008	Macroeconomics Cram Course (Graduate), University of the Philippines - Diliman

GUEST LECTURER

Period2 2021-2023	Economics (Undergraduate), Wageningen University & Research
Period3 2021	Climate Governance (Graduate), Wageningen University & Research
Spring 2021	Experimental Economics (Undergraduate), University of Hawai'i at Mānoa
Fall 2016	Experimental Economics (Graduate), University of Copenhagen
Fall 2016	Honors Seminar I (Undergraduate), American University of Central Asia
Fall 2012	Games and Economic Behavior (Undergraduate), University of Hawai'i at Mānoa
Fall 2012	Public Economics (Undergraduate), University of Hawai'i at Mānoa

TEACHING ASSISTANT

Spring 2019	Climate Change Economics (Undergraduate), Bocconi University
Fall 2012	Econometrics II (Graduate), University of Hawai'i at Mānoa
Fall 2012	Mathematical Economics (Graduate), University of Hawai'i at Mānoa
Spring 2012	Microeconomic Theory II (Graduate), University of Hawai'i at Mānoa
Spring 2012	Introduction to Statistics (Undergraduate), University of Hawai'i at Mānoa
Fall 2010 - Fall 2011	Principles of Microeconomics (Undergraduate), University of Hawai'i at Mānoa
Fall 2009	Statistics and Probability (Graduate), University of the Philippines - Diliman
Fall 2009	Econometrics (Graduate), University of the Philippines - Diliman

Invited Seminar Presentations

2024: Centre Interuniversitaire de Recherche en Economie Quantitative (CIREQ) - Centre Interuniversitaire de Recherche en Analyse des Organisations (CIRANO) Workshop on Environmental and Natural Resource Economics (Montreal, Canada). * **2022:** Symposium on Markets & Sustainability (SMS2022) (Amsterdam, Netherlands); Department of Economics, Graduate Institute of Geneva (Geneva, Switzerland). **2021:** University of the Philippines, Los Baños (Los Baños, Philippines); Mercator Research Institute on Global Commons and Climate Change (Berlin, Germany); Department of Economics, Ateneo de Manila University (Metro Manila, Philippines); Department of Economics, Hamilton College (New York, USA). **2020:** Department of Economics, University of Northern British Columbia (British Columbia, Canada); Department of Economics, University of Northern British Columbia (British Columbia, Canada); BEWorks (Ontario, Canada); Department of Economics, Political Science and Philosophy, University of British Columbia Okanagan (British Columbia, Canada); Department of Food, Agricultural and Resource Economics, University of Guelph (Ontario, Canada). **2019:** Center for Environmental Economics Montpellier Workshop on "Environmental and Natural Resource Conservation: Theoretical and Empirical Issues" (Montpellier, France); Department of Economics, Carleton University (Ottawa, Canada); Department of Economics, Acadia University (Nova Scotia, Canada). **2018:** Philippine Institute for Development Studies (Metro Manila, Philippines). **2017:** Fondazione Eni Enrico Mattei (Milan, Italy). **2015:** Department of Environmental and Business Economics, University of Southern Denmark (Esbjerg, Denmark); Department of Economics, Norwegian School of Economics (Bergen, Norway); Department of Economics, San Diego State University (San Diego, California). **2014:** Center for Economic and Development Studies, Padjadjaran University (Bandung, Indonesia).

* *Scheduled*

Conference Presentations

2024: XXV Annual BIOECON Conference (Cambridge, United Kingdom);* European Association of Environmental and Resource Economists (Lueven, Belgium).* **2023:** 8th Maastricht Behavioral Economic Policy Symposium (Maastricht, Netherlands); European Association of Environmental and Resource Economists (Limassol, Cyprus). **2022:** European Association of Environmental and Resource Economists (Rimini, Italy); 7th Workshop on Experimental Economics for the Environment (Online: Mannheim, Germany). **2021:** European Association of Environmental and Resource Economists (Online: Berlin, Germany). **2020:** Economic Science Association (Online: Global); European Association of Environmental and Resource Economists (Online: Berlin, Germany). **2019:** Advances in Decision Analysis (Milan, Italy); Allied Social Science Association Annual Meeting (Georgia, USA). **2018:** 13th Nordic Conference on Behavioral and Experimental Economics (Odense, Denmark); 6th World Congress of Environmental and Resource Economists (Gothenburg, Sweden). **2017:** Workshop on Hot Topics in Environmental and Resource Economics (Esbjerg, Denmark); European Association of Environmental and Resource Economists (Athens, Greece); Young Economists' Meeting (Brno, Czech Republic). **2016:** 11th Nordic Experimental Conference (Oslo, Norway); Economic Science Association European Meetings (Bergen, Norway); Economic Science Association International Meetings (Jerusalem, Israel). **2015:** Better Policies: Better Lives, London Experimental Week (London, UK); 9th Copenhagen Network of Experimental Economics Workshop (Copenhagen, Denmark); Western Economic International Association (Honolulu, Hawai'i). **2014:** Economic Science Association International Meetings (Honolulu, Hawai'i); Institutions in Context: Free Markets Summer Workshop (Tampere, Finland); 25th School of Pacific and Asian Studies Graduate Conference (Honolulu, Hawai'i); 13th International Graduate Student Conference (Honolulu, Hawai'i). **2013:** 14th North-America Economic Science Association Conference (Santa Cruz, California); 12th International Graduate Student Conference (Honolulu, Hawai'i). **2009:** Ronald Coase Institute (Xiamen, China); Student-Faculty Conference on Statistical Sciences (Los Baños, Philippines); Workshop on Institutions and Development (Diliman, Philippines). **2008:** Copenhagen Consensus Youth Forum (Copenhagen, Denmark).

* Scheduled

Grants

Total Acquisition: ~ 587,299.47 EURs

2024 - 2025	"Towards Climate Resilience: The Nature-Based Adaptation Planning Toolbox", <i>Wageningen University and Research</i> , Investment Theme on Data Driven Discoveries in a Changing Climate, co-Principal Investigator (EUR 300,000.00)
2023 - 2024	"Demand Substitutability in the Market for Energy Efficient Light Bulbs", <i>Philippine Competition Commission (PCC)</i> , PCC Long-Term Research Program, co-Principal Investigator (PHP 250,000.00)
2023 - 2024	"Strategic Economic Trade-offs Between Climate Mitigation and Geoengineering", <i>Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)</i> , Open Competition XS Pilot, Principal Investigator (EUR 49,976.00)
Periods 5-6, 2022	"Pirates, Prices, and Photos: Three Papers on Fisheries in Indonesia", <i>Wageningen Institute for Environment and Climate Research</i> , Research Fellowship Grant, Primary Applicant (EUR 3,288.00)
Periods 1-2, 2021	"Institutions, Heterogeneity, and Resource Extraction", <i>Social Science Group</i> Supportive Research Grant, <i>Wageningen University and Research</i> Principal Investigator (EUR 4,991.08)
Fall 2019	"An exploration into human behavior, climate engineering, and climate policy", <i>European Commission</i> , Marie Skłodowska-Curie Actions Fellowship, Principal Investigator (EUR 183,473.28) (<i>declined</i>)
Summer 2017	"The Provision of Transnational and Intergenerational Public Goods", <i>Masaryk University</i> , Young Economists' Meeting, Travel Grant, Primary Applicant (EUR 100.00)
Summer 2014	"Endogeneous vs. Exogenous Regulations", <i>East-West Center</i> , Summer Travel Grant, Primary Applicant (USD 500.00)
Fall 2013	"Crowding Out in the Commons", <i>University of Hawai'i at Mānoa College of Social Sciences</i> , Travel Grant, Primary Applicant (USD 1,575.00)

Fall 2013

“Does external regulation crowd out cooperation?”
University of Hawai‘i at Mānoa Graduate Student Organization, Travel Grant,
Primary Applicant (**USD 1,152.16**)

Awards

Spring 2019	Marie Skłodowska-Curie Actions Seal of Excellence (Project Proposal 835841), European Commission
Spring 2014	Burnham O. Campbell Dissertation Award, University of Hawai‘i at Mānoa
Fall 2011 - Spring 2015	Student Affiliate Award, East-West Center
Nov. 2009	Best Graduate Paper, 10th Student-Faculty Conference on Statistical Science, University of the Philippines, Los Baños

Scholarships

Dec. 2009	Fellowship, Ronald Coase Institute
Fall 2008 - Spring 2009	G.P. Sicat Fund Scholar, University of the Philippines, Diliman
Fall 2007 - Spring 2008	University of the Philippines School of Economics - Health Philippines Development Project Fund Scholar

Journals Refereed

The number in square brackets indicate the number of times.

Applied Economics [5], Applied Economics Letters [1], Data in Brief [1], Ecological Economics [7], Economic Modelling [1], Empirical Economics [1], Environment and Development Economics [1], Environmental and Resource Economics [3], Environmental Science and Policy [1], Journal of Behavioral and Experimental Economics [1], Journal of Economic Behavior and Organization [3], Journal of Economic Psychology [6], Journal of Economics, Management & Agricultural Development [1], Journal of Environmental Economics and Management [2], Journal of Environmental Management [4], Journal of the Association of Environmental and Resource Economists [2], Land Economics [1], PLoS One [9], Review of Behavioral Economics [1], World Development [1]

Supervision

Postdoc. Maartje Oostdijk (2024 - 2026).

PhD Dissertation. Sofia Badini (ongoing, expected 2025), Chad Patrick Osorio (ongoing, expected 2026), Qingyang Hong (ongoing, expected 2027), Wengyuan Hua (ongoing, expected 2027), Mensah Tawiah Cobbina (ongoing, expected 2027).

Master’s / Bachelor’s Thesis. 2024: Adele Galiege (BSc Environmental Sciences), Lonne van Doorne (MSc Environmental Sciences). **2023:** Jan Hein Bouwman (MSc Biobased Sciences), Douwe Epema (MSc Environmental Sciences), Koen Steur (MSc Biobased Sciences), Sini Nara Kallioniemi (BSc Environmental Sciences), Jade Parisio (BSc Environmental Sciences), Sibbe van der Heijden (BSc Economics and Governance). **2022:** Julia van der Heide (MSc Environmental Sciences), Lea Priem (MSc Environmental Sciences), Felix Holdorf (MSc Urban Economics), Satya Wagner (BSc Environmental Science), Madelon van Adrichem (MSc Climate Studies), Amanda Holdt (BSc Environmental Studies).

Master’s Internship / Research Practice. 2023: Miguel Bravo Gaviria (MSc Climate Studies), Annemiek Jansen (MSc Urban Economics), Vera van Seumeran (MSc Environmental and Consumer Studies), Jia Zhou (MSc Environmental Sciences). **2022:** Pier Ludovica Bonocelli (MSc Environmental Sciences)*, Farah Shishani (MSc Climate Studies). **2021:** Felix Holdorf (MSc Urban Economics).

* *Research Practice*

Other Professional Activities

Spring 2023	Referee, WASS PhD Proposal, Wageningen University & Research
Fall 2023	TransPath PhD Candidate Search Committee, Wageningen University & Research
2022-2023	ENR Chairgroup Assistant Professor Search Committee, Wageningen University & Research
March 2022	4iTraction Postdoc Search Committee, Wageningen University & Research
2021-2024	Organizing Committee and Moderator, EconMondays, Wageningen University & Research
2021 - 2022	Organizing Committee, ENR Chairgroup Socials, Wageningen University & Research
2020-2024	Scientific Program Committee, 25th-29th Annual EAERE Conference
2019-2020	Seminar Committee, Bocconi University
Spring 2015	Organizing Committee, Center for Macroecology, Evolution and Climate Faculty Retreat
Fall 2014	Referee (Economics), 14th International Graduate Students Conference
Spring 2014	Local Organizing Committee, 2014 Economic Science Association International Meetings
Spring 2014	Moderator, Economics Panel, 13th International Graduate Students Conference
Summer 2013	Volunteer, 7th World Congress of Cliometrics
Summer 2013	Volunteer, Brunei-US English Language Enrichment Program for ASEAN
Spring 2012	Referee (Business and Economics), 11th International Graduate Students Conference
Spring 2012	Panel Organizer, 11th International Graduate Students Conference
2012 - 2013	Economics Seminar Committee, University of Hawai'i at Mānoa

Works in the Popular Press

Interview for the paper “Comparing Access to US Marine and Terrestrial Protected Areas” published at Nature Sustainability.

- (2024, February 14). Protected nature reserves in US closer to richer and less racially diverse neighbourhoods. [Link here](#).
- (2024, February 14). Beschermde natuur in de VS ligt dicht bij rijkere en minder raciaal diverse buurten. [Link here](#).

Press release for the paper “Solar geoengineering may lead to excessive cooling and high strategic uncertainty” published at the Proceedings of the National Academy of Sciences of the United States of America.

- (2020, June 17). *Geoengineering the climate presents unsolved governance challenges*. Kudos. [Link here](#).
- (2020, June 17). *From Extinction to Climate Engineering*. Radio EcoShock. [Link here](#).
- (2020, June 1). *The human factor limits hope of climate fixes*. Science Codex. [Link here](#).
- (2020, June 1). *The human factor limits hope of climate fixes*. EurekAlert!. [Link here](#).

Abatayo, A.L., (2016, October 19). Live interview on behavioral economics for a morning television show in Kyrgyzstan.

Abatayo, A.L., Corpuz, J., Domingo, R., & Fabella, R. (2008, August 06). The CTPL Controversy: A simple headache does not require a lobotomy. *BusinessWorld*, pp. S1/1-S1/2.

Citizenship and Residence

Philippines	Citizen
Canada	Permanent Residence
Netherlands	Work Permit

Languages

Cebuano	Native proficiency
Filipino	Native proficiency
English	Professional proficiency

Skills

Programming & Analysis	Stata, R, Python, ArcGIS, z-Tree, oTree, HTML, Qualtrics, Microsoft Office, 四x
Online Platforms	Microsoft Teams, Zoom, Google Meet, Skype, Brightspace, Canvas

References available upon request.