

# PHUONG HO

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## RESEARCH INTERESTS

Environmental and Resource Economics, Industrial Organization, Applied Econometrics

## APPOINTMENTS

**Cornell University, US**

1/2022–10/2022

Dyson School of Applied Economics and Management

Visiting Scholar

**Norwegian School of Economics, Norway**

8/2019–

SNF–Centre for Applied Research

Postdoctoral Researcher

**Climate Futures, Norway**

5/2021–

Centre for Research-based Innovation (funded by Research Council of Norway)

Affiliated Researcher

## EDUCATION

**University of Arizona, US**

Ph.D. Economics

8/2014–5/2019

Chairs: Ashley Langer, Mauricio Varela. Committee: Price Fishback, Gautam Gowrisankaran, Derek Lemoine

M.A. Economics

8/2014–12/2015

**Victoria University of Wellington, New Zealand**

B.Com. Honors, Economics, First Class Honors

2/2013–12/2013

Supervisor: Jack Robles

B.Com., Economics and Finance

9/2009–12/2012

## RESEARCH

### PUBLICATIONS

[1] Daglish, Toby, Yiğit Sağlam, and *Phuong Ho*. (2017). Auctioning the Digital Dividend: A Model for Spectrum Auctions. *International Journal of Industrial Organization*, 53, 63–98.

[2] *Ho, Phuong*. The Costs and Environmental Justice Concerns of NIMBY in Solid Waste Disposal. *Journal of the Association of Environmental and Resource Economists*, forthcoming in May 2023. (previously chapter 2 in my PhD dissertation, previous job market paper)

IAERE 10th Anniversary (2022) Young Scholar's Award for Best PhD Dissertation Paper

[3] *Ho, Phuong*. Nonlinear Pricing, Biased Consumers, and Regulatory Policy. *Journal of Economics (Zeitschrift für Nationalökonomie)*, forthcoming. (previously chapter 1 in my PhD dissertation)

## JOB MARKET PAPER

### **Why Is Trading So Important in Cap and Trade? The Role of Economies of Scale and Productivity** (presented at the *NBER Summer Institute IO 2022*)

Abstract: Economists have long established the cost effectiveness of cap and trade (CAT) owing to cost heterogeneity between firms. I offer a new value of CAT: cost reduction within firms owing to productivity improvement and economies of scale. Overcoming the unobserved-cost challenge, I extend the literature on production functions and introduce a method to estimate economies of scale using data on output and input quantity. I combine this method with a difference-in-difference strategy that exploits the policy transition from non-tradable caps to cap and trade in the Norwegian cod fishery to identify the causal impacts of trading fishing quotas. I find trading increased vessels' productivity and facilitated the realization of existing economies of scale. Vessels acquired quotas, realized economies of scale, and moved toward the minimum average cost levels by increasing their sizes and going fishing more often. I decompose the output-based value of traded quotas and find economies of scale played a main role in the first few years after a big vessel acquired quotas. These results highlight that (i) flexibility through tradability in environmental regulations can reduce production costs of a firm, (ii) firms reduce costs by boosting existing production factors and advancements beyond scale economies, and (iii) consolidation can be a sign of cost efficiency owing to economies of scale rather than market power abuse.

## OTHER WORKING PAPERS

The Spatial Term Structure of Freight Rates, with Roar Ådland and Vit Procházka

Living near Trash: Testing Residential Mobility in the Context of Solid Waste Disposal (chapter 3 in my PhD dissertation)

## REFeree SERVICE

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*Journal of Environmental Economics and Management, Journal of the Association of Environmental and Resource Economists, International Journal of Industrial Organization, Journal of Economics (Zeitschrift für Nationalökonomie)*

## SUPERVISORY & TEACHING EXPERIENCE

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### **Master's Thesis Supervision**

*Norwegian School of Economics*

Marius Bustgaard. (2021, co-supervisor with Roar Ådland). Consultant, Audit & Assurance. PwC.

Michael Edward Snekenes. (2021, co-supervisor with Roar Ådland). Consultant, Risk Management. Deloitte.

### **Sole Instructor of Record**

*University of Arizona*

BNAD 301 (online): Global and Financial Economics and Strategy

Three sessions in summer 2018

BNAD/ECON 276: Statistical Inference in Management

Summer 2017, Summer 2016

## **Certificate of Pedagogical Training**

*Norwegian School of Economics*

A Pedagogical Course in Online Teaching

Fall 2020

## **GRANTS, HONORS, & AWARDS**

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IAERE 10th Anniversary Young Scholar's Award for Best PhD Dissertation Paper	2022
Research Stay Abroad & Extended Fellowship Grant (824,000 NOK $\approx$ \$95,000), Research Council of Norway (project: distribution of resource rent in fishery)	2021
Student Research Showcase Competition Award, University of Arizona (Paper "NIMBY Costs. . .", Second place for the Graduate Award of Research in category "Community, Culture, and Society")	2019
GPSC Travel Grant (\$1,000 each year, maximum amount), University of Arizona	2019, 2017, 2016
GPSC Research Grant (\$1,000, maximum amount), University of Arizona	2017
At Victoria University of Wellington: Business School Excellence Award for Economics, Lady Stout Bursary, Victoria Graduate Award, Award for Excellence in Accounting, Dean's List	2011–2014
Graduate Study Award, NZAE Education Trust (Awarded at the 54th New Zealand Association of Economists Conference)	2013

## **PRESENTATIONS AT CONFERENCES & SEMINARS**

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2022 Dyson School–Cornell University; IIOC, Boston; CREEA, Ottawa; AERE@WEAI, Portland;  
NBER Summer Institute IO, Boston; University of Wisconsin-Madison (Ag. Econ Dept.); SEA, Florida\*;  
European Winter Meeting of the Econometric Society, Berlin\*  
(presented "Trading for Economies of Scale. . .")

2021 Association of Environmental and Resource Economists (AERE) Summer Conference; West-  
ern Economic Association International (WEAI) Annual Conference; WinE Retreat at European Eco-  
nomic Association (EEA) Conference; European Economic Association & Econometric Society Eu-  
ropean Meeting (EEA-ESEM) Annual Congress; EARIE Conference; Southern Economic Association  
Annual Meeting (SEA); International Association of Maritime Economists (IAME) Conference, Rotter-  
dam, the Netherlands; Maastricht University, the Netherlands.  
(presented "NIMBY costs," "Tradable permits in fishery," "Term structure of freight rates")

2020 Economics of Inequality and the Environment (European Association of Environmental and Re-  
source Economists/EAERE post-conference) workshop, Leipzig, Germany (online).  
(presented "NIMBY Costs")

2019 Kobe University, Japan; European Association for Research in Industrial Economics (EARIE)  
Conference in Barcelona, Spain; Norwegian School of Economics.  
(presented "NIMBY Costs")

2017 Summer Workshop in Energy & Environmental Economics, Cologne, Germany.  
(presented "Nonlinear Pricing, Biased Consumers, and Regulatory Policy")

2016 Berkeley/Sloan Energy & Environmental Economics Summer School, U.C. Berkeley.

2013 The 54th Annual Conference of the New Zealand Association of Economists.  
(presented “Auctioning the Digital Dividend: A Model for Spectrum Auction”)

2012 Communication Policy Research South 7 Workshop and Conference, Mauritius.

## OTHERS

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### Conference Paper Discussant

AERE@WEAI 2021: “Inequality, Information Failures, and Air Pollution” (Catherine Hausman and Samuel Stolper)

IIOC 2022: “Industry Compliance Costs Under the Renewable Fuel Standard: Evidence from Compliance Credits” (Arthur Wardle and Sherzod Akhundjanov)

CEA 2022: “Spatial Competition with Online Platforms: An Empirical Analysis of the Wealth Management Product Market” (Chao Ma and Shuoxun Zhang)

### Conference Abstract Reviewer

Southern Economic Association Annual Meeting

### Travel Grant Judge

University of Arizona Graduate and Professional Student Council

Spring 2017, Fall 2016

## LANGUAGES

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English (fluent), Vietnamese (native)

## REFERENCES

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Ashley Langer  
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University of Arizona  
Research Associate at NBER  
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