Kamila Kulmambetova

Job Market Candidate, PhD in Economics (2025)
University of Stavanger, Norway
Email: kamila.research@gmail.com Website: kamila-research.github.io

Profile

Applied environmental and resource economist using causal inference and quasi-experimental methods to study firm behavior under performance-based environmental regulation. Experience with natural experiments, geographic regression discontinuity, and full-population administrative data.

Research Fields

Environmental and Resource Economics; Applied Microeconometrics; Regulation and Industrial Organization; Causal Inference and Quasi-Experimental Policy Evaluation

Education

PhD in Economics, University of Stavanger, Norway 2021–2026 (expected)
Dissertation: *Spatial Spillovers and Firm Behavior under Performance-Based Aquaculture Regulation*
Supervisor: Prof. Ragnar Tveterås

MSc in Quantitative Economics, Bielefeld University, Germany 2018–2021
Exchange: Ca' Foscari University of Venice

Diploma in Mathematical Economics, Kyrgyz-Russian Slavic University 2010–2015

Job Market Paper

Firm Behavior at an Environmental Regulatory Threshold: Evidence from Norway's Traffic Light System

Causal policy evaluation using a sharp geographic regression discontinuity design (quasi-experiment / natural experiment) exploiting internal regulatory borders. Full-population farm-level administrative data (2017–2021). Main result: red-zone farms significantly increase lice-treatment intensity relative to nearby non-red farms. Target journal: *Journal of Environmental Economics and Management* (submission planned end of 2025).

Publications

Kulmambetova, K., and R. Tveterås (2025). Spatial density, externalities, and productivity of salmon aquaculture farms. *Aquaculture Economics & Management*. Published.

Working Papers & Work in Progress

Estimating Latent Productivity in Salmon Aquaculture: A Site-Level Structural Approach Empirical analysis completed; manuscript in preparation.

The General Regulatory Problem under Non-Point-Source Pollution Conceptual paper; advanced draft.

Spatial Transmission of Sea-Lice Externalities in Aquaculture Early-stage structural modeling.

Research Experience

PhD Research Fellow, University of Stavanger 2021–present

- Built and cleaned full-population Norwegian aquaculture registry data.
- Independently implemented Geo-RDD designs in R for quasi-experimental and natural-experiment policy evaluation.
- JMP sample: 3,891 site-month observations, 184 farms.

- Restricted-access administrative data (biomass, lice, treatments).

Teaching Experience

University of Stavanger

Data Analytics (MSc), Research Methods (MSc), Business Development & Sustainable Innovation (BSc), Strategic Management (BSc). Total teaching load: 320 hours (2022–2024).

Master's thesis supervision in economics and applied data analysis.

Teaching Fields

Environmental and Resource Economics; Applied Econometrics; Regulation, Sustainability, and Policy Evaluation

Presentations

Job Market Paper, Central Asia Economics Conference, Astana, 2025 Aquaculture Europe, Vienna, 2023 Aquaculture America, 2024

Technical Skills

R (primary), Stata; Causal inference, quasi-experimental methods, natural experiments; Geo-RDD, DiD, panel data, spatial econometrics; INLA, SPDE, sf, spdep; large administrative and survey datasets; LaTeX.

Professional Affiliations

Nordic PhD Network in Economics (NORSI); Spatial Econometrics Association (SEA)

Languages

English (Fluent), Norwegian (Basic), Russian (Fluent), Kyrgyz (Native)

References

Ragnar Tveterås — Professor of Economics, University of Stavanger
ragnar.tveteras@uis.no

Ruth Beatriz Pincinato — Associate Professor of Economics, University of Stavanger
ruth.b.pincinato@uis.no