

Katarina Elofsson
Professor

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Curriculum Vitae

Katarina Elofsson is Professor in Environmental and Ecological Economics in the Section for Environmental Social Science and Geography, Department of Environmental Science. She is a member of the department's Research and PhD Field Committees, and a Tech Faculty Advisor on the Responsible Conduct of Research and Freedom of Research. She is also a member of The Royal Swedish Academy of Agriculture and Forestry.

Katarina carries out research within environmental and resource economics, with a particular focus on the economics of carbon sequestration in land use, the economics of biodiversity and wildlife, and the economics of water quality management. Her research interests include bioeconomic models for optimal decisions on natural resources management and cost-effective environmental policies under uncertainty about ecosystem responses. Katarina's research typically integrates socioeconomic and ecological knowledge with an aim to examine economic decisions taken by policy makers, landowners, and firms. This research is typically carried out in cooperation with biologists, soil scientists, forestry scientists, hydrologists, and marine modelers. The models are empirically applied at EU, national, local, and farm level. Katarina's recent and ongoing research includes analysis of transaction costs in carbon sequestration projects, cost-effective nonpermanent carbon sequestration in the EU, biochar as a cost-effective greenhouse gas mitigation option, optimal localization of biofuel production, biodiversity offsetting in the presence of spatially correlated uncertainty, spatial and temporal dynamics of wildlife harvesting, and management of wildlife-livestock interface diseases.

Katarina has contributed to 23 externally funded research projects and was the main applicant or the principal investigator in 80% of those. She has been main supervisor of 4 finalized PhD, is main supervisor of 3 ongoing PhD, and has been assistant supervisor of 1 finalized PhD and 1 finalized licentiate thesis.

Ansættelse

Professor

Institut for Miljøvidenskab - Samfundsvidenskabelig og geografisk miljøforskning
Aarhus Universitet
Roskilde, Danmark
7 jan. 2021 → present

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8 jan. 2020 → present