EBBA MARK

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Education

UNIVERSITY OF OXFORD *Oxford, United Kingdom*

DPhil Candidate: Geography and the Environment *September 2023 – Present*

Dissertation Title: Adapting to Change: The Effect of Economic Transformation on People and Places

Affiliations: Institute for New Economic Thinking; Climate Econometrics; Smith School of Enterprise and the Environment; Complexity Economics Programme

Scholarships & Awards: Europaeum Scholars Programme, Calleva Graduate Scholarship at Magdalen College, 8th Lindau Nobel Meeting in Economic Sciences Invited Young Scientist

Master of Science: Environmental Change and Management (Distinction) *September 2020 – 2021*

Dissertation Title: A Just Decarbonisation for Coal Workers: The scale of the challenge, a typology of transition potential, and the merit of a 'green jobs promise'

Micro-Internship Programme: Oxford-Yale Atlas of Finance – Research in Global Economic Governance

HARVARD COLLEGE *Cambridge, Massachusetts*

Bachelor of Arts: Economics (Honors) *September 2013 – May 2017*

Coursework: Macro- and Microeconomics; Statistics; Computer Science; Econometrics; Markets and the Environment; Political Economy and Global Transformation; International Trade and Investment; Psychology and Economics; Research in Political Economy, History, and Development Economics.

Leadership and Activities: Bureau of Study Council Economics Peer Tutor; Director of Outreach, Igniting Innovation Summit; Women's Club Volleyball Captain and Treasurer.

SCHOOL FOR INTERNATIONAL TRAINING *Vietnam, Morocco, Bolivia*

International Honors Program: Climate Change *January – May 2016*

Dissertation: Governance and justice in the Morocco Green Plan and Vietnamese hydropower development

Coursework: Comparative Issues in Food, Water, and Energy; Political Economy and Environmental History; Science and Policy of Climate Change; Fieldwork Ethics and Comparative Research Methods.

Experience

CLIMATE ECONOMETRICS *Oxford, United Kingdom*

Just Transition Research Officer *January 2022 – September 2023*

– Developed Climate Econometrics' Just Transition research portfolio collaborating with research communities at the University of Oxford including the Institute for New Economic Thinking.
– Lead author of "Spatial-temporal dynamics of employment shocks in declining coal mining regions and potentialities of the 'just transition'" published in Energy Policy.
– Led the data collection and econometric analysis of the joint Climate Econometrics-Potsdam Institute for Climate Impact Research paper "Climate policies that achieved major emission reductions: Global evidence from two decades" published in *Science.* Communicated the research output in French, Swedish, and English across national and regional print, TV, and radio outlets.
– Co-created and delivered a two-week intensive 'Introduction to R' training course to faculty and students at the University of Nottingham.

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NATURE-BASED SOLUTIONS INITIATIVE *Oxford, United Kingdom*

Research Assistant *October – December 2021*

– Provided research and strategic support to the development of a global map of nature-based solutions case studies requiring knowledge at the intersection of community-based development and ecology.
– The platform was launched at COP26 by Professor Nathalie Seddon and funded by the British Academy.

ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT *Paris, France*

Young Associate Programme, Office of the Secretary General *September 2018 – September 2020*

– Served as junior policy advisor to Gabriela Ramos, the OECD Chief of Staff and G20/G7 Sherpa.
– Prepared briefings, speeches, and talking points for the Chief of Staff's official functions including international forums and bilateral meetings with heads of state, non-profit, and private organisations.
– Supported the Chief of Staff's leadership and coordination of the OECD's work on gender equality, inclusive growth, environment, corporate governance, responsible business conduct, and social policy.
– Supported the OECD's collaborations with partners including UN Women, UNESCO, the International Gender Champions, and the Ford, Bill and Melinda Gates, and Thomson Reuters Foundations.
– Coordinated monthly meetings of the Friends of Gender Equality Plus, convening Ambassadors and Directors to discuss policy recommendations for the advancement of women's and LGBTQ+ rights.

Publications

Stechemesser, A., Koch, N., Mark, E., et al. (2024). "Climate policies that achieved major emission reductions: Global evidence from two decades". *Science* 385, 884-892 . DOI:10.1126/science.adl6547

Mark, E., Rafaty, R., Schwarz, M. (2024). "Spatial-temporal dynamics of employment shocks in declining coal mining regions and potentialities of the "'just transition'". *Energy Policy* 195. DOI:doi.org/10.1016/j.enpol.2024.114338

Castle, J.L., Mark, E., Hendry, D.F., Schwarz, M. & Pretis, F. (2025), 'Net zero: Strategy and tactics', Royal Economic Society Newsletter, January 2025.'

(Working Paper) Smart, B. et al. (2026) 'Manipulation in Prediction Markets: An Agent-based Modeling Experiment'. arXiv. DOI: doi.org/10.48550/arXiv.2601.20452

Skills

Programming: Advanced proficiency and teaching experience in R and Python. Proficient in Stata and HTML.

High-Performance Computing: SLURM-based cluster computing, bash scripting, workflow automation and parallel processing for large-scale simulations and econometric analysis of large datasets

Scientific Publishing: LaTeX, Quarto, R Markdown for reproducible research and technical documentation

Collaboration: Git/GitHub for version control and collaborative development

Language: English (native), Swedish (native), intermediate French (C2), conversational Spanish (B1)