

Agata Makowska BSc MSc
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[GRI profile](#)

PERSONAL STATEMENT

I am a highly skilled environmental economist specialised in spatial economics and GIS pursuing a PhD degree in Environmental Economics at the LSE and the Grantham Research Institute on Climate Change and the Environment. My primary research focus is on coastal and marine ecosystems, where I integrate geospatial data science methods and satellite imagery to address the multifaceted challenges of environmental conservation and sustainable development.

Three years ago, I was delighted to be part of a small team of economists who won [the IPPR Economics Prize 2019](#).

EDUCATION

London School of Economics and Political Science
PhD Candidate in Environmental Economics
present

London, United Kingdom
September 2023 -

Thesis assessing the environmental and socioeconomic tradeoffs for marine and coastal ecosystem benefits for nature restoration and climate adaptation scenarios for Small Island Developing States.

University of Amsterdam
Master of Science in Economics

Amsterdam, Holland
September 2016 – July 2017

- **Relevant Coursework:** Policy evaluation / Applied Econometrics / Advanced Microeconomics
- **Further:** Thesis on the impact of the EU 'Development of Eastern Poland' Operational Programme on individuals' well-being

Warsaw School of Economics
Bachelor of Science in Quantitative Methods in Economics (distinction)

Warsaw, Poland
October 2012 – July 2015

- **Relevant Coursework:** Econometrics / Statistics / Optimisation methods / Data mining
- **Further:** Thesis evaluating factors determining the financial stability of microfinance institutions
- **Awards:** Dean's scholarship for academic excellence

SELECTED PUBLICATIONS

- Makowska, A., Reeser, V., Dickie, I. 2023. **Costs of Nature 2030 policy proposals**. Wildlife and Countryside Link report. <https://www.wcl.org.uk/docs/Nature%202030%20Public%20Policy%20Costs%20-%20eftec.pdf>
- Makowska, A., Kharadi, N., Kuyser, J., Tinch, R., English, D., Hull, S., Armstrong, S., Middleton, A., Baruah, L., Beaumont, N., Molloy, L., Morgan, V., Merayo, E., Judd, A. & Proudfoot, R. 2022. **Review of approaches for the assessment of marine Natural Capital in the context of UK marine environmental policy and management**. JNCC Report No.702, JNCC, Peterborough, ISSN 0963-8091.
- Esteve, R., Kábrt, M., Makowska, A., Meiske, D., Robin, N., Sabri, F. and Williams, R. 2019. **Decentralising Britain: The 'big push' towards inclusive prosperity**. IPPR. <http://www.ippr.org/economics-prize/>
- Co-authored:
 - Environment Agency. Environment and Historic Environment Outcomes Valuation Guidance. https://assets.publishing.service.gov.uk/media/641993238fa8f547c5fbd137/Environment_and_Historic_Environment_Outcomes_Valuation_Guidance.pdf. 2023.
 - The Scottish Government. Assessing the Cumulative and Cross-Sector Economic Benefits of Investment in Natural Capital in Scotland. 2023.

WORK EXPERIENCE

Freelancing

London, United Kingdom

Project for the International Labour Organization and the Green Climate Fund September 2023 – January 2024

- Supported Agulhas Knowledge with a systematic literature review and the subsequent analysis assessing the effectiveness of just transition interventions in developing nations across the globe [to be published].

eftec (Economics for the Environment Consultancy)

London, United Kingdom

Senior Consultant

June 2021 – August 2023

Selected experience:

- Provided technical expertise on private natural capital markets for a project commissioned by the Scottish Government assessing the scale of economic impacts from current and future private investments in the Scottish natural capital
- Led a study reviewing approaches for the assessment of marine Natural Capital in the context of marine environmental policy and management for UK Joint Nature Conservation Committee as part of UK Defra's Marine Natural Capital Ecosystem Assessment (mNCEA) programme. This involved:
 - Conducting a thorough review and SWOT analysis of existing evidence base focusing on the methodologies with regards to how they treat the extent, condition and spatial configuration of marine natural capital assets, delivery and status of ecosystem services and climate change impacts;
 - Developing recommendations for good practice and future research for a UK marine natural capital approach;
 - Doing a Quick Scoping Review of evidence to understand the distribution of marine ecosystem service benefits to different beneficiary groups and how it is considered;
 - Managing a multidisciplinary team of marine experts from ABPMer, Viridian Logic and Plymouth Marine Laboratory.
- Led the cost-benefits analysis for Marilles Foundation assessing the impacts of increasing the network of marine protected areas (MPAs) in the Balearics sea by 30% by 2030. The analysis followed a natural capital accounting approach and estimated the changes in ecosystem services value between the current baseline and the future policy scenario. The results of the project were used to inform the Spanish policymakers to support the case for further marine restoration and protection measures in the region.
- Managed a project which developed the latest Flood and Coastal Erosion Risk Management (FCERM) guidance update for the Environment Agency (to be published in 2023). The project involved reviewing existing UK FCERM schemes and identifying best quality economic valuation evidence to be used to measure the environmental impact of those schemes (incl. value transfers).
- Led a study valuing economic impacts of N Deposition for the UK Centre for Ecology & Hydrology (CEH). This involved quantification of impacts on ecosystems services, by assessing the economic value of those impacts using the latest N deposition data developed by CEH. This analysis included a review of previous and current methodologies for valuing the impact of N deposition on various ecosystem services, with an emphasis on water-based ecosystem services (to be published in 2023).

London Economics

London, United Kingdom

Economic Consultant

September 2019 – June 2021

Selected experience:

- Led the research assessing the UK carbon offsets market for a space-based mapping and monitoring of wetlands carbon sequestration tool as part of [a grant received from the UK Space Agency's National Space Innovation Programme](#). This entailed modelling the existing and anticipated market for carbon offsets and nature-based solutions in the UK.

- Project managed a [study forecasting the economic and environmental impact of a recycling scheme in the UK](#). This included designing the modelling methodology (e.g. use of optimisation methods), setting up and running the analysis in Excel and R.
- Supported the design of a carbon footprint monitoring app for Creatures of Habit.
- Project managed an [economic impact assessment study for The Open University](#). This involved:
 - Modelling the economic impact of the University in Excel (inc. programming of VBA macros)
 - Econometric analysis of the salary returns to the OU students using Labour Force Survey data in Stata
- Developed a monitoring and evaluation framework for the UK Spaceflight Programme on a project commissioned by the UK Space Agency (UKSA).
- Conducted a series of internal workshops on Machine Learning in R for colleagues at London Economics.

London Economics
Economic Analyst

London, United Kingdom
February 2018 – September 2019

Selected experience:

- Processed a large-scale ONS Annual Respondents Database X (ARDx) in Stata and R. The project culminated in the provision of a new dataset for use by government analysts in both the ONS and UK BEIS.
- Nominated as the sole analyst on a project for the UK DIT and BEIS which focused on the efficiency of post-Brexit non-tariff trade measures.
- Led the quantitative analysis of the [performance of European SMEs on a project for EC DG Growth](#).

Accenture
Business Analyst, Financial Services

Warsaw, Poland
November 2014 – June 2016

This position involved delivering project-based consulting services, linking together technical expertise and business approach.

AWARDS

The IPPR Economics Prize 2019: joint-first prize winner of the third biggest prize in economics in the world organised by the Institute for Public Policy Research (IPPR) in 2019. The awarded submission 'Decentralising Britain: The 'big push' towards inclusive prosperity' addressed the issue of the UK's low labour productivity. The report can be found [here](#). More information about the prize can be found in the articles published by [The Guardian](#) and [The Financial Times](#).

LANGUAGES, SKILLS, & INTERESTS

Languages: Native in Polish, Fluent in English, Proficient in French

Technical Skills: Advanced in Excel, Stata and R (Royal Statistical Society Certificate in Introduction to Machine Learning in R), GIS and remote sensing data analysis

Interests: Skiing and Tennis, Cooking, Fiction literature