

sarah meier | curriculum vitae

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research interests

I am an applied environmental economist with a background in climate sciences. My current research focuses on the intersection of these two disciplines with a focus on natural hazards, natural capital, and biodiversity. I address relevant research questions by leveraging big data, satellite imagery and causal inference techniques.

current employment

Postdoctoral Research Fellow <i>Dragon Capital Research Programme on Biodiversity Economics</i>	Exeter (UK) <i>Oct 2023 – present</i>
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education

University of Birmingham <i>PhD in Environmental Economics: "Essays on the Economics of Wildfires"</i> Examined by Dr. Sefi Roth and Prof. David Maddison (awarded with no corrections)	Birmingham (UK) <i>Sep 2020 – Jul 2023</i>
Oeschger Centre for Climate Change Research <i>Master of Science in Climate Sciences w. Specification in Economics (6 6)</i>	Bern (CH) <i>Feb 2019 – Jul 2020</i>
University of Bern <i>Bachelor of Science in Economics (5.13 6)</i>	Bern (CH) <i>Sep 2015 – Feb 2019</i>
Bern University of the Arts <i>Master of Arts in Music, Classical Trumpet (5.65 6)</i>	Bern (CH) <i>Sep 2011 – Jun 2013</i>

publications

Meier, S., Strobl, E. & Elliott, R.J.R. (2024) The impact of wildfire smoke exposure on excess mortality and later-life socioeconomic outcomes: The Great Fire of 1910. *Cliometrica*.

Jones, M. W. et al. (2024), State of Wildfires 2023–2024. *Earth System Science Data*. 16(8), 3601–3685.

Meier, S., Elliott, R.J.R. & Strobl, E. (2023) The regional economic impact of wildfires: Evidence from Southern Europe. *Journal of Environmental Economics and Management*. 118, 102787.

Meier, S., Strobl, E., Elliott, R.J.R., & Kettridge, N. (2023) Cross-country risk quantification of extreme wildfires in Mediterranean Europe. *Risk Analysis*, 43(9), 1745–1762.

working papers

Meier, S., Balmford, B., Faccioli, M., & Groom, B., Biodiversity, public preferences and substitutability with an application to cost-based shadow pricing.

work in progress

- Forest conservation policy, additionality, and socio-environmental implications (with Ben Balmford and Ville Inkinen)
- The impact of wildfires on local avian biodiversity (with Eric Strobl)
- Forest fragmentation and zoonotic diseases (with Neha Deopa and Kritika Saxena)

awards & fellowships

Horizon 2020 Marie Skłodowska-Curie Actions Fellow in ITN

University of Birmingham, School of Geography, Earth and Environmental Sciences

Jul 2020 - Sep 2023

2020 Oeschger Young Scientist's Prize

for achieving the second-highest GPA in the Master's program of the Graduate School of Climate Sciences at the University of Bern

2021

conferences & invited presentations

2024: NERC/ESRC Economics of Biodiversity Conference, MIT Climate Change Adaption in Response to Wildfires Workshop, AERE, European Urban Economics Association, LAGV Marseille, EAERE, Data-Intensive Research Conference (NDIRA), Occasional Workshop in Environmental and Resource Economics (UCSB)

2023: EAERE-ETH Winter School on Natural Resources and Development in Resource-rich Countries, Envecon23, Big Data and Economics Research Network: 2nd Workshop on Urban and Environmental Challenges, EAERE

2022: 15th RGS Doctoral Conference in Economics, 13th Columbia Interdisciplinary PhD Workshop in Sustainable Development, Cambridge Land Economy Early Career Researcher's Conference, EGU General Assembly, Fire & Climate Conference, LSE Shifting Landscapes

2021: 12th Columbia Interdisciplinary Workshop in Sustainable Development, 16th International Wildland Fire Safety Summit, 2nd Oxford meeting on Environmental Social Sciences: Challenges and Solutions for Sustainable Development

further details

Statistical Software: Python, R, STATA

Other Software & Tools: L^AT_EX, ArcGIS, Google Earth Engine, RMarkdown, Java (data scraping)

Reviewing: Journal of Environmental Economics and Management, Environmental and Resource Economics

Languages: German (native), English (fluent), French (fluent), Italian (basic), Spanish (basic)

references

Prof. Robert J.R. Elliott

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University of Birmingham

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Prof. Eric Strobl

Department of Economics
University of Bern

✉ eric.strobl@unibe.ch

Prof. Ben Groom

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University of Exeter

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Prof. Sefi Roth

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London School of Economics and Political Science

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