

# SHOURO DASGUPTA

Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

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My research primarily concentrates on the effects on the labour force, food (in)security, health, and inequality, thereby aiding in the formulation of targeted strategies to mitigate and adapt to climate-related impacts. I am particularly interested in the effects on households and the efficacy of social protection policies in the context of climate change. I lead the ISIMIP labour impacts sector and recently led the health risk evaluation for the first European Union Climate Risk Assessment mandated by the European Parliament. I am an author of the Global, Europe, Latin America, and SIDS reports of the *Lancet* Countdown on climate change and health. I am of one the [78 experts convened by UNFCCC](#) to assist the [UAE-Belém](#) programme to develop indicators for measuring progress towards [Global Goal on Adaptation. I will be focusing on food security and health indicators.](#)

## PROFESSIONAL EXPERIENCE

- 2013-** **Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)** - Venice, Italy  
Scientist
- 2021-** **Grantham Research Institute on Climate Change and the Environment, LSE** - London UK  
Visiting Senior Fellow
- 2018-** **RFF-CMCC European Institute on Economics and the Environment** - Venice, Italy  
Environmental Economist
- 2016-** **Università Ca' Foscari Venezia** - Venice, Italy  
Lecturer in climate change economics
- 2016-2018** **Università Ca' Foscari Venezia** - Venice, Italy  
Research Fellow
- 2012-2017** **Fondazione Eni Enrico Mattei (FEEM)** - Venice, Italy  
Researcher
- 2013-2014** **Boston University** - Boston, USA  
Visiting Scholar
- 2012-2012** **International Finance Corporation (IFC)** – Dhaka, Bangladesh  
Monitoring and Evaluation Consultant
- 2011-2012** **Centre for Policy Dialogue (CPD)** - Dhaka, Bangladesh  
Researcher

## EDUCATION

- 2012-2016** **Università Ca' Foscari Venezia** - Venice, Italy  
PhD in Science and Management of Climate Change (Full scholarship)  
Dissertation: *Essays on the climate change impacts*
- 2010-2012** **University of New Hampshire** - Durham, USA  
Master of Arts in Economics (Full scholarship)  
Dissertation: *Impact of climate change on crop yields: a quantile regression analysis*

## RECENT PUBLICATIONS

1. Schneider, K.R., ..., **Dasgupta, S.** et al. (2025). [Governance and resilience as entry points for transforming food systems in the countdown to 2030](#). *Nature Food*.
2. Treskova, M., ..., **Dasgupta, S.**, ..., Bunker, A. (2024). [Effects of mosquito-proofing storm drains on adult and larvae mosquito abundance: protocol of the IDAIert storm drain randomised controlled trial \(IDEAS\)](#). *MethodsX*.
3. Gordon-Strachan, G.M., ..., **Dasgupta, S.**, ..., Robinson, E.J.Z., et al. (2024). [The 2024 small island developing states report of the Lancet Countdown on health and climate change](#). *The Lancet Global Health*.
4. **Dasgupta, S.**, Robinson, E.J.Z. et al. (2024). [Heat stress and the labour force](#). *Nature Reviews Earth & Environment*.
5. Cattaneo, C., ..., **Dasgupta, S.** (2024). [Climate variability and worldwide migration: Current evidence and future projections](#). *Environmental Research Letters*.
6. Romanello, M., ..., **Dasgupta, S.**, ..., Robinson, E.J.Z., et al. (2024). [The 2024 report of the Lancet Countdown on health and climate change](#). *The Lancet*.
7. Emmerling, J., Andreoni, P., Charalampidis, I. **Dasgupta, S.** et al. (2024). [A multi-model assessment of inequality and climate change](#). *Nature Climate Change*.
8. **Dasgupta, S.** and Robinson, E.J.Z. (2024). [Climate, weather, and child health: quantifying health co-benefits](#). *Environmental Research Letters*.
9. **Dasgupta, S.** et al. Factsheet on Human Health (Chapter 7). [European Climate Risk Assessment](#).
10. **Dasgupta, S.** et al. Storyline on Infectious diseases (Chapter 14). [European Climate Risk Assessment](#).
11. van Daalen, K. R., ..., **Dasgupta, S.**, ..., Robinson, E.J.Z., Lowe, R. (2024). [The 2024 Europe report of the Lancet Countdown on health and climate change](#). *The Lancet Public Health*.
12. Hartinger, S., ... **Dasgupta, S.**, ..., Robinson, E.J.Z., Romanello, M. (2024). [The 2023 Latin America report of the Lancet Countdown on health and climate change](#). *The Lancet Regional Health - Americas*.
13. Romanello, M., ... **Dasgupta, S.**, ..., Robinson, E.J.Z., Costello, A. (2023). [The 2023 report of the Lancet Countdown on health and climate change](#). *The Lancet*.
14. **Dasgupta, S.** and Robinson, E.J.Z. (2023). [Climate, weather and child health in Burkina Faso](#). *Australian Journal of Agricultural and Resource Economics*.
15. Rocklöv, J., **Dasgupta, S.**, Robinson, E.J.Z., et al. (2023). [Decision-support tools to build climate resilience against emerging infectious diseases in Europe and beyond](#). *The Lancet Regional Health - Europe*.
16. **Dasgupta, S.** and Robinson, E.J.Z. (2023). [The labour force in a changing climate](#). *PLOS Climate*.
17. **Dasgupta, S.**, Shayegh, S., and Emmerling, J. (2023). [Inequality and growth impacts of climate change - insights from South Africa](#). *Environmental Research Letters*.
18. Standardi, G., **Dasgupta, S.**, et al. (2023). [Assessing Macro-economic Effects of Climate Impacts on Energy Demand in EU Sub-national Regions](#). *Environmental Resource Economics*.
19. van der Wijst, Kl., Bosello, F., **Dasgupta, S.** et al. (2023). [New damage curves and multimodel analysis suggest lower optimal temperature](#). *Nature Climate Change*.
20. Delpiazzo, E., Bosello, F., **Dasgupta, S.**, Bagli, S., Broccoli, D., Mazzoli, P., Luzzi, V. (2023). [The economic value of a climate service for water irrigation. A case study for Castiglione District, Emilia-Romagna, Italy](#). *Climate Services*.
21. Shayegh, S., Andreu-Perez, J., Akoth, C., Bosch-Capblanch, X., **Dasgupta, S.**, et al. (2023). [Prioritizing COVID-19 vaccine allocation in resource poor settings: Towards an Artificial Intelligence-enabled and Geospatial-assisted decision support framework](#). *PLOS ONE*.
22. Di Napoli, C., ..., **Dasgupta, S.**, ..., Robinson, E.J.Z. (2023). [The role of global reanalyses in climate services for health: Insights from the Lancet Countdown](#). *Meteorological Applications*.
23. **Dasgupta, S.** and Robinson, E.J.Z. (2022). [Attributing changes in food insecurity to a changing climate](#). *Scientific Reports*.
24. **Dasgupta, S.** and Robinson, E.J.Z. (2022). [Impact of COVID-19 on food insecurity using multiple waves of high frequency household surveys](#). *Scientific Reports*.
25. Shayegh, S., and **Dasgupta, S.** (2022). [Climate change, labour availability and the future of gender inequality in South Africa](#). *Climate and Development*.
26. Romanello, M., ... **Dasgupta, S.**, ..., Robinson, E.J.Z., Costello, A. (2022). [The 2022 report of the Lancet Countdown on health and climate change](#). *The Lancet*.
27. van Daalen, K. R., ... **Dasgupta, S.**, ..., Robinson, E.J.Z., Lowe, R. (2022). [The 2022 Europe report of the Lancet Countdown on health and climate change](#). *The Lancet Public Health*.
28. Agudo-Domínguez, A., ..., **Dasgupta, S.** (2022). [Climate-sensitive hydrological drought insurance for irrigated agriculture under deep uncertainty](#). *Agricultural Water Management*.
29. **Dasgupta, S.**, van Maanen, N., Gosling, S.N., Piontek, F., Otto, C., Schlessner, C.-F. (2021). [Effects of climate change](#)

- [on combined labour productivity and supply: an empirical, multi-model study](#). *The Lancet Planetary Health*.
30. Schleypen, J., Mistry, M., Saeed, F., **Dasgupta, S.** (2021). [Sharing the Burden: Quantifying Climate Change Spillovers in the European Union under the Paris Agreement](#). *Spatial Economic Analysis*.
  31. Romanello, M., ... **Dasgupta, S.**, ..., Robinson, E.J.Z., ..., Hamilton, I. (2021). [The 2021 report of the Lancet Countdown on health and climate change](#). *The Lancet*.
  32. **Dasgupta, S.** and Robinson, E.J.Z. (2021). [Improving food policies for a climate insecure world: Evidence from Ethiopia](#). *National Institute Economic Review*.
  33. **Dasgupta S.** and Robinson, E.J.Z. (2021). [Food Insecurity, Safety Nets, and Coping Strategies during the COVID-19 Pandemic: Multi-Country Evidence from Sub-Saharan Africa](#). *International Journal of Environ. Res. Public Health*.
  34. Watts, N., Amann, M., ... **Dasgupta, S.**, ..., Robinson, E.J.Z., ..., Costello, A. (2020). [The 2020 report of The Lancet Countdown on health and climate change](#). *The Lancet*.
  35. Shayegh, S., Manoussi, V., **Dasgupta, S.** (2020). [Climate change and development in South Africa: economic productivity and labor availability](#). *Climate and Development*.
  36. Antonelli, C., Coromaldi, M., **Dasgupta, S.**, Emmerling, J., and Shayegh, S. (2020). [Climate impacts on nutrition and labor supply disentangled – an analysis for rural areas of Uganda](#). *Environment and Development Economics*.
  37. McMichael, C., **Dasgupta, S.** et al. (2020). [A review of estimating population exposure to sea-level rise and the relevance for migration](#). *Environmental Research Letters*.
  38. Yalaw, S.G., **Dasgupta, S.** et al. (2020). [Global trends in climate change impacts on the energy sector and the need for multi-model assessments](#). *Nature Energy*.
  39. Vesco, P., **Dasgupta, S.**, De Cian, E., Carraro, C. (2020). [Natural Resources and Conflict: A Meta-analysis of the Empirical Literature](#). *Ecological Economics*.
  40. Marzi, S., Farina, L., **Dasgupta, S.**, Mysiak, J., Lorenzoni, A. (2019). [Competence analysis for promoting energy efficiency projects in developing countries](#). The case of OPEC. *Energy*.
  41. De Cian, E., **Dasgupta, S.**, Hof A.F., et al. (2018). [Actors, decision-making, and institutions in quantitative system modelling](#). *Technological Forecasting and Social Change*.
  42. **Dasgupta, S.** and De Cian E. (2018). [The influence of institutions, governance, and public opinion on the environment: Synthesized findings from applied econometrics studies](#). *Energy Research and Social Science*.
  43. **Dasgupta, S.** (2018). [Burden of Climate Change on Malaria Mortality](#). *International Journal of Hygiene and Environ. Health*.

#### **Policy briefs and reports**

1. Chan, T., ..., **Dasgupta, S.**, Robinson, E.J.Z. (2024). [Submission to the UK Ministry of Housing, Communities and Local Government on the National Planning Policy Framework](#). Grantham Research Institute, LSE.
2. Robinson, E.J.Z., Ouedraogo, P., Ouoba, P., **Dasgupta, S.** (2024). [Improving food security and child health in Burkina Faso in a changing climate](#). Grantham Research Institute on Climate Change and the Environment Policy Brief.
3. O'Leary, L., **Dasgupta, S.**, Robinson, E.J.Z. (2024). [Tackling the impacts of climate change on food security in Bangladesh](#). Grantham Research Institute on Climate Change and the Environment Policy Brief.
4. Watkiss, P., ..., **Dasgupta, S.**, ..., Wreford, A. (2023). [Chapter 2. The modelled costs of adaptation](#). The Adaptation Finance Gap Update 2023. Nairobi.
5. O'Leary, L., **Dasgupta, S.**, Robinson, E.J.Z. (2023). [Impacts of climate change on health in Bangladesh](#). Grantham Research Institute on Climate Change and the Environment Policy Brief.
6. Howarth, C., ..., **Dasgupta, S.**, Robinson E.J.Z., et al. (2023) [Submission to the Environmental Audit Committee Call for Evidence on heat resilience and sustainable cooling](#). Grantham Research Institute, LSE.
7. Letsch, L., **Dasgupta, S.**, Robinson, E.J.Z. (2023). [Tackling flooding in Bangladesh in a changing climate](#). Grantham Research Institute on Climate Change and the Environment Policy Brief.
8. Letsch, L., **Dasgupta, S.**, Robinson, E.J.Z. (2023). [Adapting to the impacts of extreme heat on Bangladesh's labour force](#). Grantham Research Institute on Climate Change and the Environment Policy Brief.
9. Robinson E.J.Z., **Dasgupta, S.**, and Bian, L. (2023) [Submission to the UK Environmental Audit Committee's Inquiry into Environmental Change and Food Security](#). Grantham Research Institute, LSE.
10. Kaźmierczak, A., ..., **Dasgupta, S.** (2022). [Climate change as a threat to health and well-being in Europe: focus on heat and infectious diseases](#). EEA Report No 07/2022.
11. Climate Vulnerable Forum and V20. (2022). [Climate Vulnerability Monitor, 3<sup>rd</sup> Edition: A Planet on Fire](#). Report commissioned by the Climate Vulnerable Forum (CVF) and the Vulnerable Twenty (V20) Group.
12. **Dasgupta, S.**, De Cian, E., Verdolini, E. (2017). [The political economy of energy innovation](#). In D. Arent, C. Arndt, M. Miller, F. Tarp, O. Zinaman (Eds.). *The political economy of clean energy transitions*. United Kingdom: Oxford University Press.