

SHOURO DASGUPTA

Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)
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Nationality: Bangladesh

As an Environmental Economist at Fondazione CMCC and a Visiting Senior Fellow at the Grantham Research Institute, LSE, I am dedicated to furthering our understanding of the socioeconomic impacts of climate change. My research primarily concentrates on the effects on the labour force, food (in)security, human health, and inequality, thereby aiding in the formulation of targeted strategies to mitigate and adapt to climate-related impacts. I recently led the health risk evaluation for the first European Union Climate Risk Assessment mandated by the European Parliament. Additionally, I am a co-author of the Lancet Countdown on climate change and health, contributing to Global, Europe, Latin America, and SIDS reports. I lead the labour impacts sector of the Inter-Sectoral Impact Model Inter-comparison Project. In collaboration with the governments of Bangladesh and Burkina Faso, I am also committed to establishing a solid evidence base to comprehend the impacts of climate change, facilitating actionable insights and policy modifications.

PROFESSIONAL EXPERIENCE

- 2013-** **Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)** - Venice, Italy
Environmental Economist

- 2023-** **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 RELEVANT PUBLICATIONS

Climate change and health

1. Dasgupta, S. and Robinson, E. J. Z. (2024). [Climate, weather, and child health: quantifying health co-benefits](#). *Environmental Research Letters*.
2. Dasgupta, S. et al. Factsheet on Human Health (Chapter 7). [European Climate Risk Assessment](#).
3. Dasgupta, S. et al. Storyline on Infectious diseases (Chapter 14). [European Climate Risk Assessment](#).
4. 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*.
5. 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*.
6. 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*.
7. Dasgupta, S. and Robinson, E. J. Z. (2023). [Climate, weather and child health in Burkina Faso](#). *Australian Journal of Agricultural and Resource Economics*.
8. 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*.
9. 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*.
10. 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*.
11. 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*.
12. 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*.
13. 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*.
14. Dasgupta, S. (2018). Burden of Climate Change on Malaria Mortality. *Int. Journal of Hygiene and Environ. Health*.

Climate change and the labour force

1. Dasgupta, S. and Robinson, E. J. Z. (2023). [The labour force in a changing climate: Research and policy needs](#). *PLOS Climate*.
2. Shayegh, S., and Dasgupta, S. (2022). [Climate change, labour availability and the future of gender inequality in South Africa](#). *Climate and Development*.
3. Dasgupta, S., van Maanen, N., Gosling, S.N., Piontek, F., Otto, C., Schleussner, C.-F. (2021). [Effects of climate change on combined labour productivity and supply: an empirical, multi-model study](#). *The Lancet Planetary Health*.
4. 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*.
5. Shayegh, S., Manoussi, V., Dasgupta, S. (2020). [Climate change and development in South Africa: economic productivity and labor availability](#). *Climate and Development*.
6. 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*.

Food (in)security

1. Dasgupta, S. and Robinson, E. J. Z. (2022). [Attributing changes in food insecurity to a changing climate](#). *Scientific Reports*.
2. 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*.
3. Dasgupta, S. and Robinson, E. J. Z. (2021). [Improving food policies for a climate insecure world: Evidence from Ethiopia](#). *National Institute Economic Review*.
4. 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](#). *Int. J. Environ. Res. Public Health*.

Climate change, inequality, and economic impacts

1. Dasgupta, S., Shayegh, S., and Emmerling, J. (2023). [Inequality and growth impacts of climate change - insights from South Africa](#). *Environmental Research Letters*.
2. 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*.
3. van der Wijst, Kl., Bosello, F., Dasgupta, S. et al. (2023). [New damage curves and multimodel analysis suggest lower optimal temperature](#). *Nature Climate Change*.

Water security

1. 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*.
2. Agudo-Domínguez, A., Pérez-Blanco, C. D., Gil-García, L., Ortega, J. A., Dasgupta, S. (2022). [Climate-sensitive hydrological drought insurance for irrigated agriculture under deep uncertainty. Insightful results from the Cega River Basin in Spain](#). *Agricultural Water Management*.
3. 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*.

Other peer reviewed publications

1. 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*.
2. 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*.
3. Vesco, P., Dasgupta, S., De Cian, E., Carraro, C. (2020). [Natural Resources and Conflict: A Meta-analysis of the Empirical Literature](#). *Ecological Economics*.
4. 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*.
5. 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*.
6. 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*.

Policy briefs and reports

1. 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.
2. Watkiss, P., ..., Dasgupta, S., ..., Wreford, A. (2023). [Chapter 2. The modelled costs of adaptation](#). The Adaptation Finance Gap Update 2023. Nairobi.
3. 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.
4. 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](#). London: Grantham Research Institute on Climate Change and the Environment and Centre for Climate Change Economics and Policy, LSE.
5. 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.
6. 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.
7. 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](#). London: Grantham Research Institute on Climate Change and the Environment and Centre for Climate Change Economics and Policy, LSE.
8. 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.
9. Climate Vulnerable Forum and V20. (2022) *Climate Vulnerability Monitor, 3rd Edition: A Planet on Fire*. Report commissioned by the Climate Vulnerable Forum (CVF) and the Vulnerable Twenty (V20) Group.
10. 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.