

Mook Bangalore

Mailing Address: Department of Geography and Environment, London School of Economics,
Houghton Street, WC2A 2AE, London UK
M.Bangalore@lse.ac.uk

CURRENT POSITION

London School of Economics and Political Science (LSE) **London, UK**
Grantham Research Institute and Department of Geography and Environment Sep 2016 – Present
PhD Candidate in Environment and Development

- My PhD research empirically examines the local impacts of environmental shocks and environmental policies on households in low-income countries using household survey and satellite data.
- Contributing Author to 2018 IPCC Special Report Global Warming of 1.5 °C: Chapter 5 on Sustainable Development

PAST POSITIONS

New York University (NYU) **New York, NY**
Department of Environmental Studies Jan – June 2020
Teaching Assistant/Visiting PhD Student

- “Environment and Society” course in Spring 2020 semester, Recitation Leader of 2 classes of 20 students each

Organization for Economic Co-operation and Development **Paris, France**
Economics Directorate & Environment Department October 2017 – April 2018
Visiting PhD Research Student on Green Growth

- Visiting PhD Student researching environmental policy uncertainty, investment, and innovation.

World Bank Group, Chief Economist Office of Climate Change **Washington, DC, USA**
Research Assistant to Dr. Stephane Hallegatte, Lead Economist Apr 2014 – Sep 2017

- Co-author of two World Bank reports: “Shock Waves: Managing the Impacts of Climate Change on Poverty” and “Unbreakable: Building the Resilience of the Poor in the Face of Natural Disasters”, which served as the Bank’s flagship contributions to COP21 (Paris Climate Conference) and COP22 (Marrakesh Climate Conference).
 - Conducted empirical and geo-spatial analysis to examine the differential exposure and vulnerability of poor and non-poor people to floods, droughts, and extreme temperatures, combining poverty data from household surveys in 52 countries with global hazard data for the first time.
 - Co-developed a national-level resilience indicator for 117 countries (based on an economic model) to track progress countries are making towards climate and disaster resilience and assess policies to reduce impacts. Supported the piloting of the indicator in the Philippines, Bolivia, and Vietnam with government partners.
 - Supervised survey design for a 200-household survey in Mumbai, India to assess the impacts of recurrent floods on poor households, and provided guidance on the report outlining its findings.
 - Contributed 6 book chapters, summaries, and blogs on the findings of Shock Waves for dissemination, and co-organized the launch event in November 2015, which was attended by 100 in person and 1,000 online.
 - Managed the process of publishing the report’s 14 background papers (Shock Waves) as World Bank Working Papers and served as the lead counterpart with the Publishing team, ensuring all deadlines were met on time.
- Core member of team which developed the World Bank Group’s Climate Change Action Plan, a strategy document which aims to accelerate efforts to tackle climate change and help developing countries deliver on their national climate plans. The Action Plan was adopted by the World Bank’s Board in April 2016.

- Contributing author to upcoming flagship report: “Hidden Dimensions of Poverty: Economic Development and Environmental Outcomes”, which creates and exploits a novel geo-spatial database on poverty, natural resources, and pollution to empirically examine the links between poverty and environment.
- Provided analytical research to support the design of World Bank loans and projects in Mozambique, Vietnam, Sri Lanka, and Morocco, to assess the poverty and climate change considerations of large investments.

London School of Economics, Grantham Research Institute on Climate Change **London, UK**
Research Assistant to Dr. Antoine Dechezleprêtre, Associate Professorial Research Fellow Feb 2013 – Mar 2014

- Co-authored paper to empirically quantify the impact of policy uncertainty on renewable energy investment.
- Developed “country profiles” of all renewable energy policies for 15 countries from 1990 to 2012 and created, coded and analyzed an original dataset of 40,000 investments from Bloomberg New Energy Finance.
- Provided an empirical analysis of the European Union’s emissions trading scheme, to examine compliance (which of the 11,000 installations surrendered sufficient allowances, and which did not) from 2005 to 2011.
- Analyzed a dataset of millions of patents to examine the impact of auto emissions regulation on innovation.
- Estimated revenue and emissions impacts of potential UK CO₂ price rises using elasticity sensitivities.

Rutgers University, Department of Agricultural Economics **New Brunswick, NJ, USA**
Research Assistant to Dr. Gal Hochman, Professor Jan – Sep 2012

- Lead author of paper to examine the impact of policy incentives on investment in agricultural biogas technology.
- Conducted literature review of over 100 papers pertaining to agricultural biogas and policies.
- Created an original dataset of natural gas, electricity, livestock and manure production and prices from 10 sources.

EDUCATION

London School of Economics and Political Science (LSE) **London, UK**
Grantham Research Institute and Department of Geography and Environment Sep 2016 – Present
PhD Research Student
 Recipient of Grantham Research Institute PhD Scholarship: £96,000

London School of Economics and Political Science (LSE) **London, UK**
 MSc, Environment and Development, with Distinction (*summa cum laude*) Sep 2012 – Dec 2013

Thesis: How Much Does Policy Stability Matter for Policy Effectiveness?
 An Econometric Study of Feed-in Tariff Policies and Solar PV Deployment in 15 Countries from 2000-2012
Winner of Best Thesis Prize

Rutgers University **New Brunswick, NJ, USA**
 BSc, Environmental Policy and Economics, *summa cum laude* (GPA: 3.9/4.0) Sep 2008 – May 2012
 2012 George Clark Academic Excellence and Service Award; 2010 Academic Excellence Award; Alpha Zeta

JOURNAL ARTICLES

1. Heger, M., G. Zens, **M. Bangalore** (2020). “Land and poverty: the role of soil fertility and vegetation quality in poverty reduction”. *Environment and Development Economics* 25(4), 315-333.
2. S. Hallegatte, A. Vogt-Schlib, J. Rozenberg, **M. Bangalore**, C. Beaudet. (2020). “From poverty to disaster and back: a review of the literature”. Forthcoming in *Economics of Disasters and Climate Change*, 4, 223-247.
3. **M. Bangalore**, A. Smith, T. Veldkamp. (2018). “Exposure to floods, climate change, and poverty in Vietnam”. *Economics of Disasters and Climate Change* 1-21.
4. S. Lloyd, **M. Bangalore**, Z. Chalabi, S. Kovats, S. Hallegatte, J. Rozenberg, H. Valin, P. Havlik. (2018). “Modeling the impacts of climate change on rural and urban child stunting via income and food price in 2030” *Environmental Health Perspectives* 126(9).

5. Narloch, U. & **M. Bangalore**. (2018). “The multifaceted relationship between environmental risks and poverty: new insights from Vietnam”. *Environment and Development Economics* 23(3), 298-327.
6. Park, J., **M. Bangalore**, S. Hallegatte, and E. Sandhoefner. (2018). “Households and heat stress: Estimating the distributional consequences of climate change”. *Environment and Development Economics* 23(3), 349-368.
7. Winsemius, H., B. Jongman, T. Veldkamp, S. Hallegatte, **M. Bangalore**, and P. Ward. (2018). “Disaster risk, climate change, and poverty: assessing the global exposure of poor people to floods and droughts”. *Environment and Development Economics* 23(3), 328-348.
8. **M. Bangalore**, G. Hochman, and D. Zilberman. (2016). “Policy incentives and adoption of agricultural anaerobic digestion: A survey of Europe and the United States”. *Renewable Energy*, 97, 559-571.

POLICY REPORTS

9. J. Roy, P. Tschakert, H. Waisman, S. Halim, P. Antwi-Agyei, P. Dasgupta, B. Hayward, M. Kanninen, ... , **M. Bangalore**, ... et al. (2018). “Chapter 5: Sustainable Development, Poverty Eradication and Reducing Inequalities. IPCC special report on the impacts of global warming of 1.5 C. Intergovernmental Panel on Climate Change.
10. Hallegatte, S., A. Vogt-Schilb, **M. Bangalore**, and J. Rozenberg. (2017). “Unbreakable: Building the Resilience of the Poor in the Face of Natural Disasters”. Climate Change and Development Series. World Bank, Washington, DC.
11. Hallegatte, S., **M. Bangalore**, L. Bonzanigo, M. Fay, T. Kane, U. Narloch, J. Rozenberg, D. Treguer, and A. Vogt-Schilb. “Shock Waves: Managing the Impacts of Climate Change on Poverty”. (2016). Climate Change and Development Series. World Bank, Washington, DC.
12. Rozenberg, J., M. Simpson, L. Bonzanigo, **M. Bangalore**, and L. Prasanga. “Wetlands Conservation and Management: a New Model for Urban Resilience in Colombo”. (2015). Document of the World Bank.

WORKING PAPERS

13. Hallegatte, S., **M. Bangalore**, and A. Vogt-Schilb. (2016). “Socioeconomic Resilience: Multi-Hazard Estimates in 117 Countries”. World Bank Policy Research Working Paper No. 7886.
14. Hallegatte, S., **M. Bangalore**, and M.A. Jouanjean. “Higher losses and slower development in the absence of disaster risk management interventions”. (2016). World Bank Policy Research Working Paper No. 7632.
15. Hallegatte, S., **M. Bangalore**, and A. Vogt-Schilb. “Assessing socioeconomic resilience to floods in 90 countries”. (2016). World Bank Policy Research Working Paper No. 7663.
16. Hallegatte, S., **M. Bangalore**, L. Bonzanigo, M. Fay, U. Narloch, J. Rozenberg, and A. Vogt-Schilb. “Climate Change and Poverty – An Analytical Framework”. (2014). World Bank Policy Research Working Paper No. 7126.

OTHER PUBLICATIONS

17. Hallegatte, S. and **M. Bangalore**. “Transport Policies for Climate Change: The transformative role transport can play in mitigation and adaptation”. (2016). Transport & ICT Connections Note #7. World Bank.
18. Hallegatte, S., **M. Bangalore**, and A. Vogt-Schilb. “Designing Equitable Climate Change Mitigation Policies”. (2016). Stanford Energy Journal. Issue 7: Energy Equity.
19. Hallegatte, S., **M. Bangalore**, L. Bonzanigo, M. Fay, T. Kane, U. Narloch, J. Rozenberg, D. Treguer, and A. Vogt-Schilb. “Poverty and climate change: Natural disasters, agricultural impacts and health shocks”. (2015). Book chapter in *Towards a Workable and Effective Climate Regime*, edited by Scott Barrett, Carlo Carraro, and Jaime de Melo.
20. Hallegatte, S., **M. Bangalore**, L. Bonzanigo, M. Fay, T. Kane, U. Narloch, J. Rozenberg, D. Treguer, and A. Vogt-Schilb. “Poverty and climate change”. (2015). Book chapter in *The Economics of Climate-Resilience Development*, edited by Sam Fankhauser and Tom McDermott.

CURRENT PROJECTS

M. Bangalore. “Natural disasters and poverty dynamics: The impact of the 2010 Nigerian flood on households.”

M. Bangalore. “Assessing the benefits of improved cookstoves: A quasi-experimental evaluation of the short-term impacts of Indonesia’s LPG Conversion Program on households.”

A.Dechezlepretre and **M.Bangalore.** “Measuring environmental policy uncertainty”.

MEDIA

Blog posts

“Recent Floods in Malawi Hit the Poorest Areas: What This Implies” by S. Hallegatte, **M. Bangalore,** and F. Nkoka. World Bank Blogs. <http://blogs.worldbank.org/voices/recent-floods-malawi-hit-poorest-areas-what-implies>

“To keep climate change from driving people into poverty, act now” by S. Hallegatte and **M. Bangalore.** Devex. <https://www.devex.com/news/to-keep-climate-change-from-driving-people-into-poverty-act-now-87467>

Podcasts

“Ideas Unbound: Shock Waves (Parts 1 and 2)” by S. Hallegatte and **M. Bangalore.** World Bank Soundcloud. <https://soundcloud.com/worldbank/ideas-unbound-shock-waves-part-1>

Selected Presentations

World Congress on Environmental and Resource Economics (Gothenburg, Sweden, June 2018), Orleans Conference on Environmental Economics (Orleans, France, April 2018), OECD Trade and Development Seminar (Paris, France, March 2018), Florence Conference on European Climate Policies (Florence, Italy, October 2017)

LEADERSHIP EXPERIENCE and EXTRACURRICULAR ACTIVITIES

Whole Foods Market

Oct 2019 – February 2020

Team Member

Metuchen, NJ

- Prime shopper for online delivery orders; stocking of produce; customer service assistance; cashier

South Asian Performing Arts Network (SAPAN)

July 2015 – Sep 2016

Finance Director, Actor

Washington, DC

- Managed the organizational budget of \$15k and co-led the organization, writing, and production of our June 2016 dance, theatre, and music show entitled “Forces”. Also acted as a Supreme Court Justice in the show.

Giving What We Can – DC

Apr 2014 – Sep 2014

Researcher

Washington, DC

- Co-authored a research project to assess the cost-effectiveness of 209 international charities using a novel methodology from the WHO’s Disease Control Priorities in Developing Countries (DCP 2) framework.

Students for Environmental Awareness, Rutgers

Apr 2011 – May 2012

Treasurer

New Brunswick, NJ

- Handled finances and headed an initiative to reduce campus waste by collecting items typically thrown out by students at the end of the year, storing them, and re-selling them at discounted prices the following year.

PROFESSIONAL SERVICE

Reviewer: Review of Environmental Economics and Policy (REEP)

TECHNICAL SKILLS

Stata (intermediate), ArcGIS/QGIS (intermediate), R (beginner), Python coding (beginner), Microsoft Office Suite (intermediate), Google Analytics (beginner), Zotero/Mendeley (intermediate), Wordpress (beginner).