

Using data to inform policy air pollution policy in Mongolia



UNIVERSITY OF
BATH



Who are we?

We are 15 researchers from the University of Bath in the United Kingdom including:

- Mathematicians
- Statisticians
- Public Policy Researchers
- Economists
- Social Scientists



Why are we here?

- To understand how government and authorities can develop data-driven public policy to tackle air pollution.
- Air pollution in Ulaanbaatar has specific causes and impacts, but the challenges for intervention are an equally complex problem in the UK and in every other country suffering with air pollution.

Why are we here?

- Public research funding in the UK supports working with international partners on projects of mutual interest
 - related to “*sustainable development goals*”
 - Often to deliver “capacity building”
- The University of Bath has a long relationship with the National University of Mongolia (Mathematics) and its partners e.g.
 - Aug. 2015 Workshop in stochastic analysis
 - Nov. 2016 Data Science training workshops
 - Sept. 2018 Statistics course at NUM
- We want to broaden this relationship through research collaboration and capacity building training

How has this workshop come about?

- October 2018: UoB awarded funding, with NUM as named partner, to deliver capacity building workshop
- Feb/March 2019: 2 UoB researchers (Teo & Jess) spent 4 weeks in UB. Their mission was to:
 - Find key stakeholders and spend time with them (e.g. National Statistics Office, National Development Agency, UNICEF, Medical Sciences University, NUM...)
 - Understand complexity of the air pollution problem
 - Find out where the need for technical capacity building lay
 - Capture and understand what kind of data available
- May 2019: Based on Teo & Jess's experience, in collaboration with Otgonbayar Uuye (Institute of Mathematics), we designed this workshop
 - Aims to build capacity in:
 - Data-driven policy making
 - Collection, analysis and interpretation of statistics

What should we all get out of the workshop?

- A chance to reflect on policy development from a holistic and data-inclusive perspective
- More data-centric and statistical skills
- Explore and understand real data from Mongolia and other countries
- The chance to formulate and engage in longer term investigations/research within Mongolia and between Mongolia and UoB
 - Funding opportunities available from UK, Mongolia and internationally
- New collaborative partners



ЖҮЛИЙ



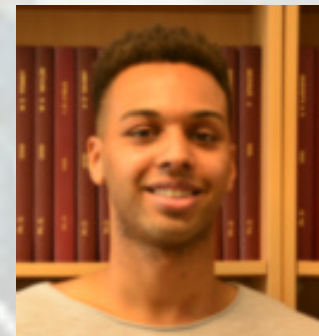
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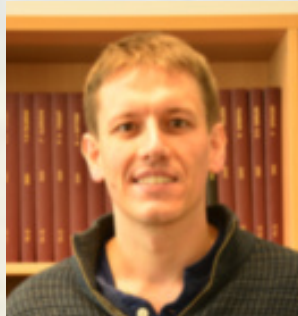
ЖЕС



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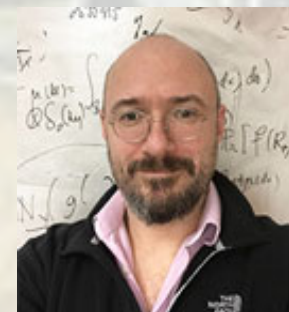
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ЦОГЗОЛМАА



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