



# N8 AgriFood

## Social Indicators for Agrifood Supply Chains

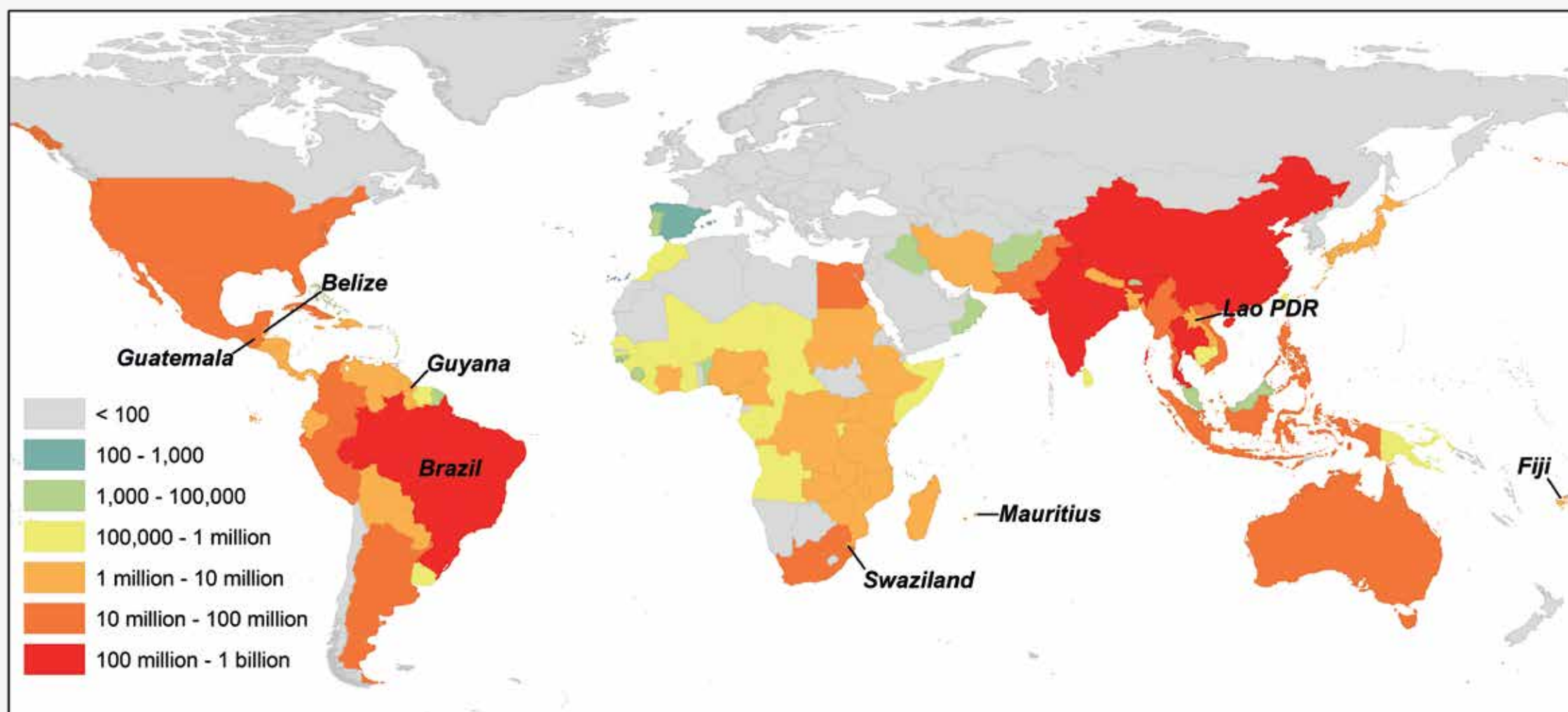


Fig 1. Global sugarcane production in tonnes, 2014, with key UK import partners highlighted. (Data sourced from FAOSTAT in December, 2017.)

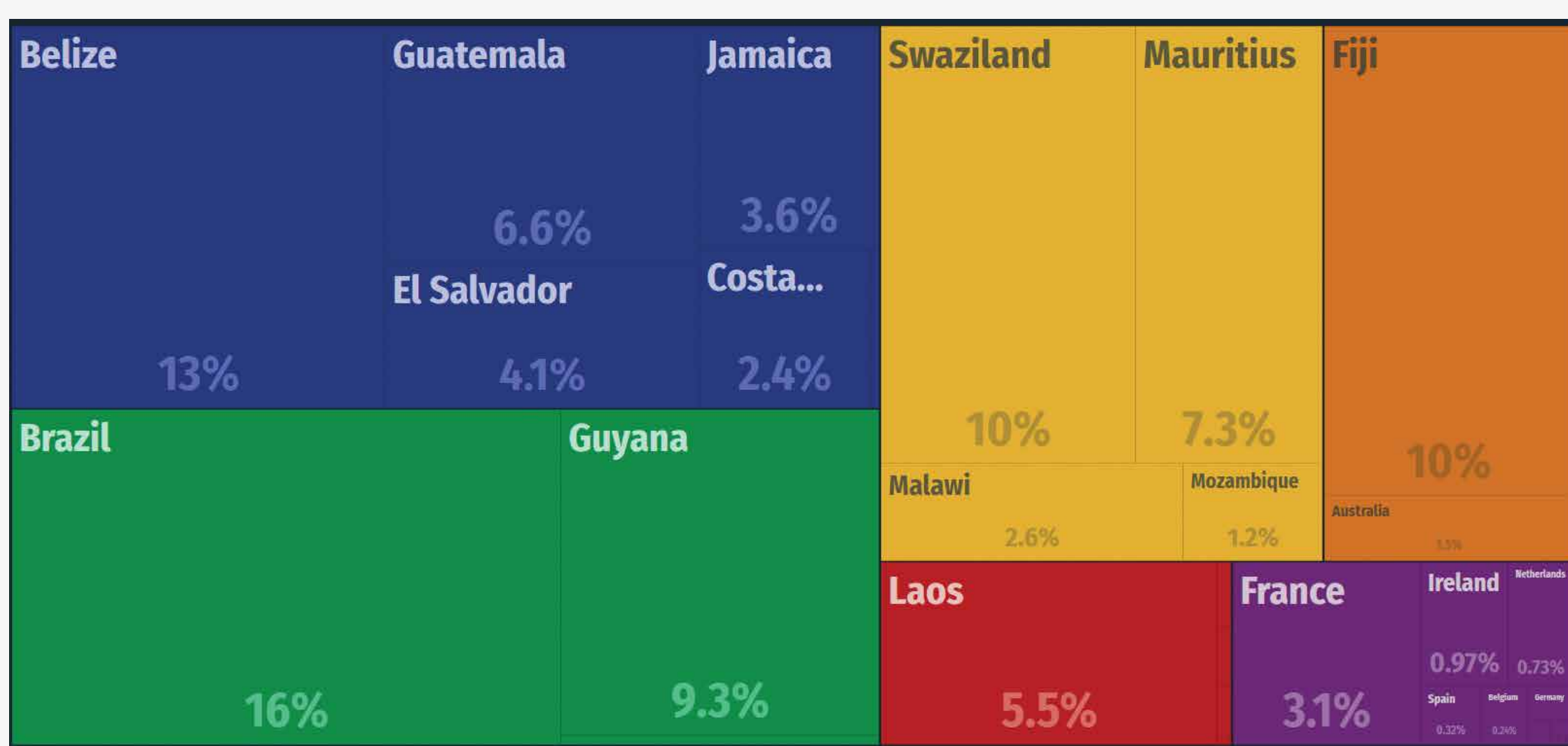


Fig 2. Percentage UK sugarcane imports by source country in USD, 2016. (Data compiled and published by The Observatory of Economic Complexity, Massachusetts Institute of Technology.)



Fig 3. A sugarcane harvester works in Canavial em Rolândia, Brazil in October 2003. (Deyvid Aleksandr Raffo Setti/Wikimedia Commons.)

**Project team:** Chris West, Nicki Lisa Cole, Simon Croft, Jonathan Green and Robert Gordon (Stockholm Environment Institute - York)

### RESEARCH QUESTIONS:

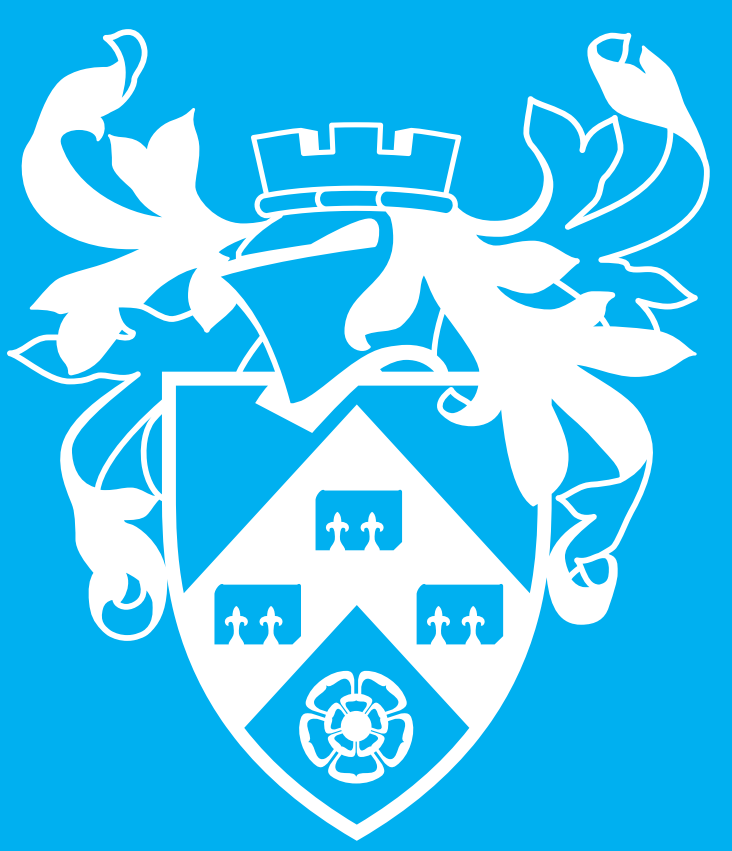
- Is it possible to quantify and model the social risks and challenges embedded within, and surrounding, global agrifood producer-to-consumer supply chains?
- Using sugarcane as a case study, can we create a proof of concept that demonstrates that this can be done for the UK's supply chains?

### METHOD:

- Literature review of relevant academic and non-academic reports related to social risks and indicators for sugarcane supply chains.
- Collaborative identification and development of key indicators with academic, NGO and industry partners.
- Link relevant data to state of the art trade model to test proof of concept.

### OUTPUTS:

- Development of social indicators for economic and multidimensional poverty, heat stress, child and forced labour, and certification coverage.
- Literature review paper, with discussion of proof of concept, is in progress.
- Proposal development and funding bid to extend the work in the context of sustainable development across the global sugar system.



UNIVERSITY  
*of York*

**Contact**  
chris.west@york.ac.uk