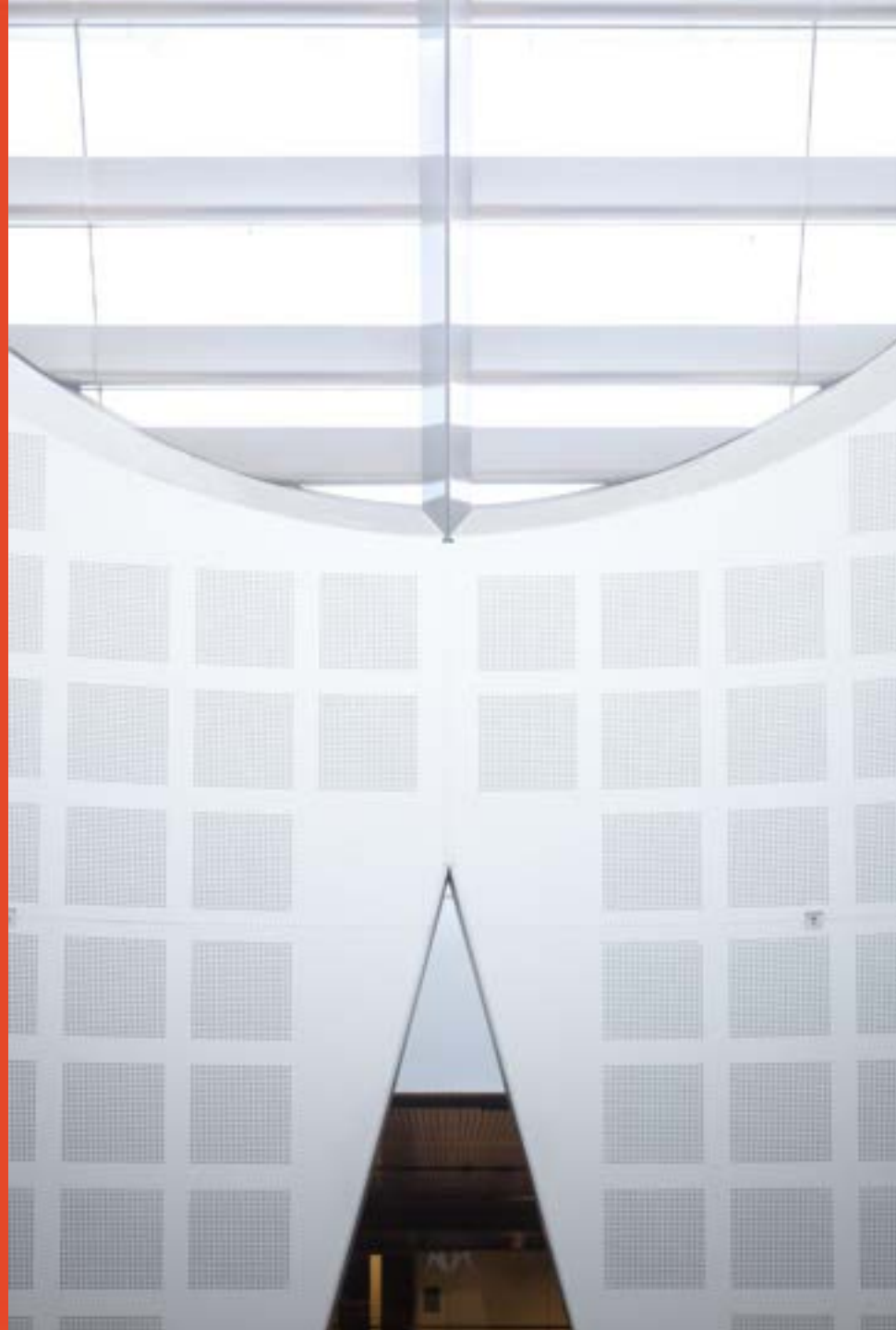
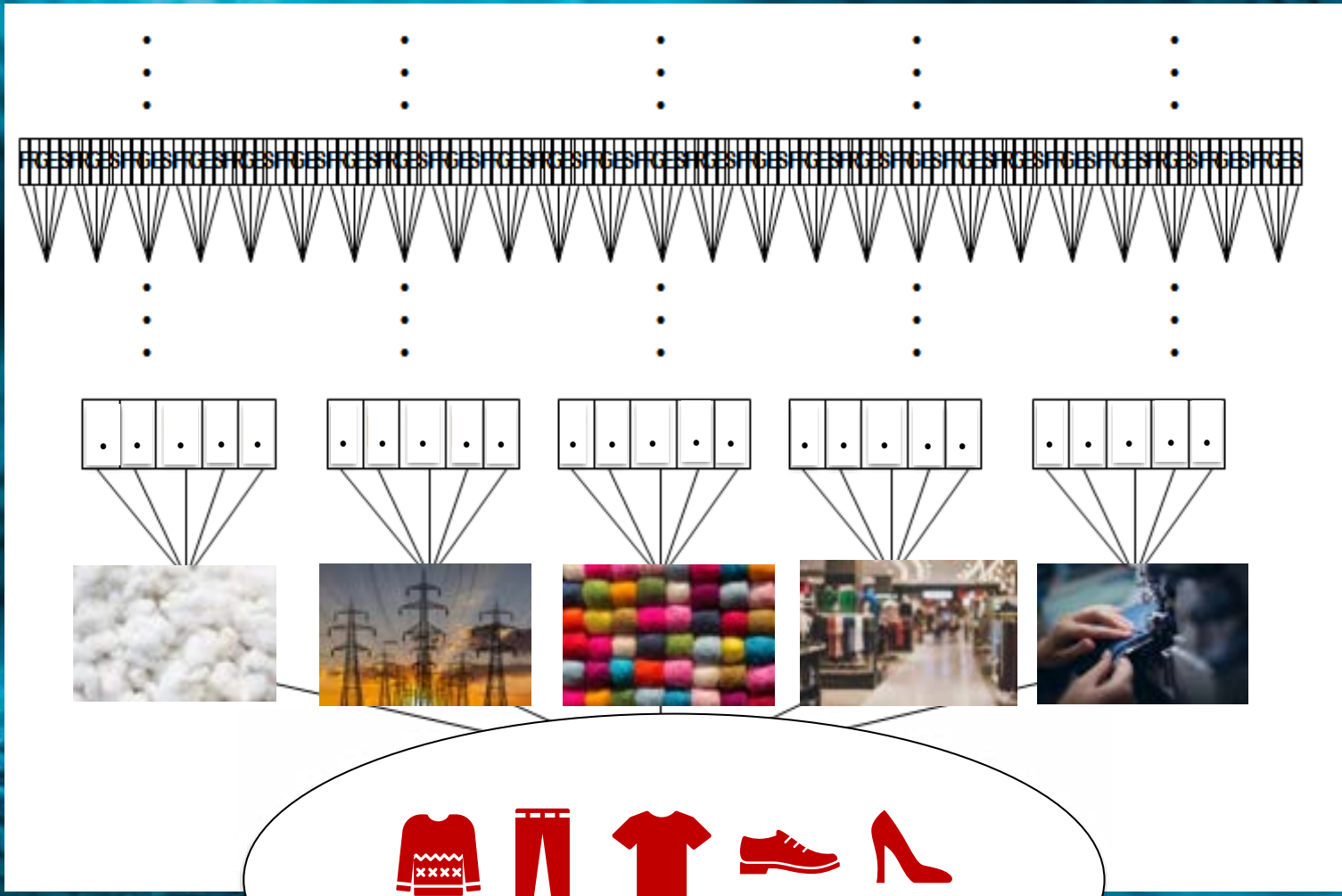


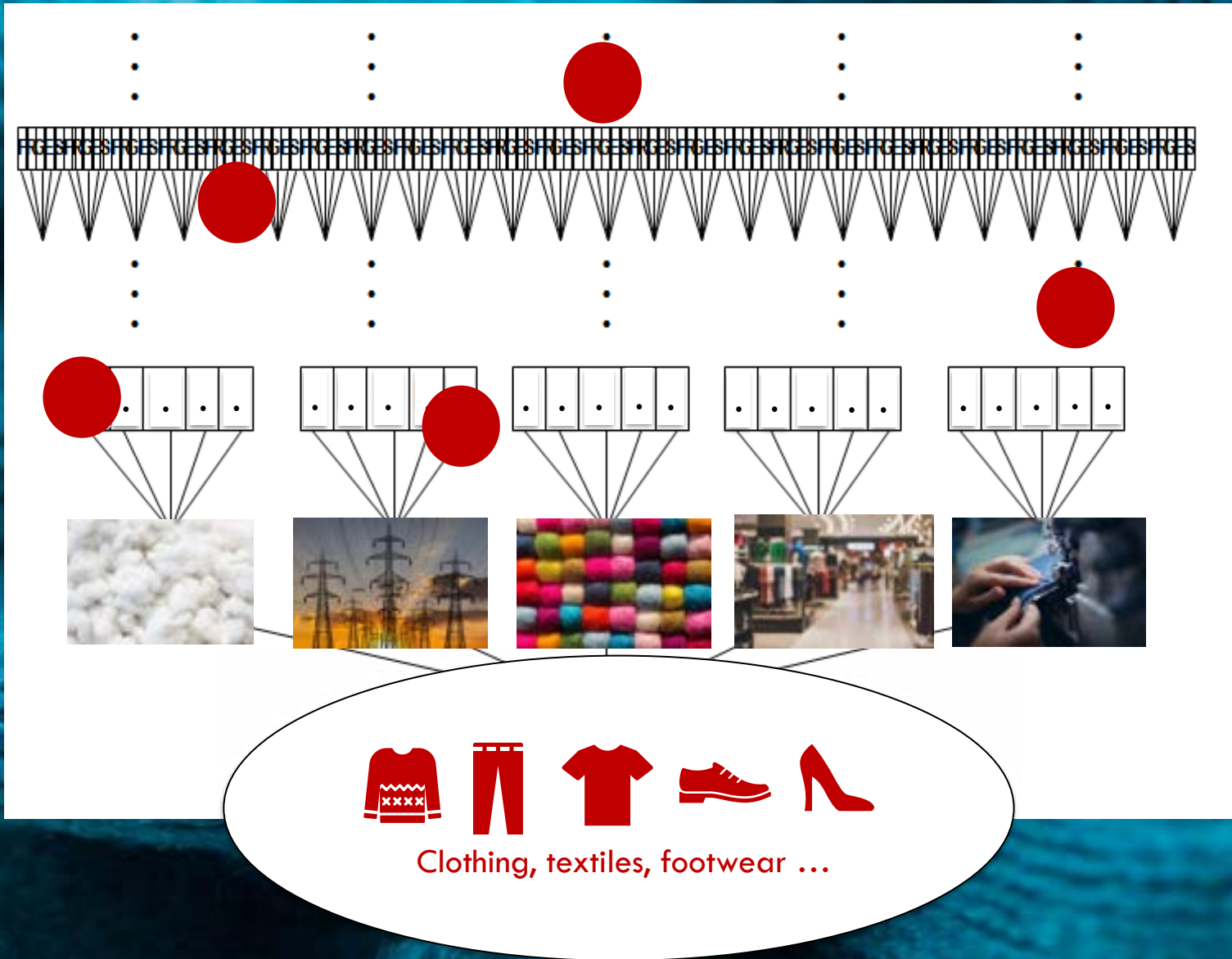
Environmental and Social spillovers embodied in international supply chains

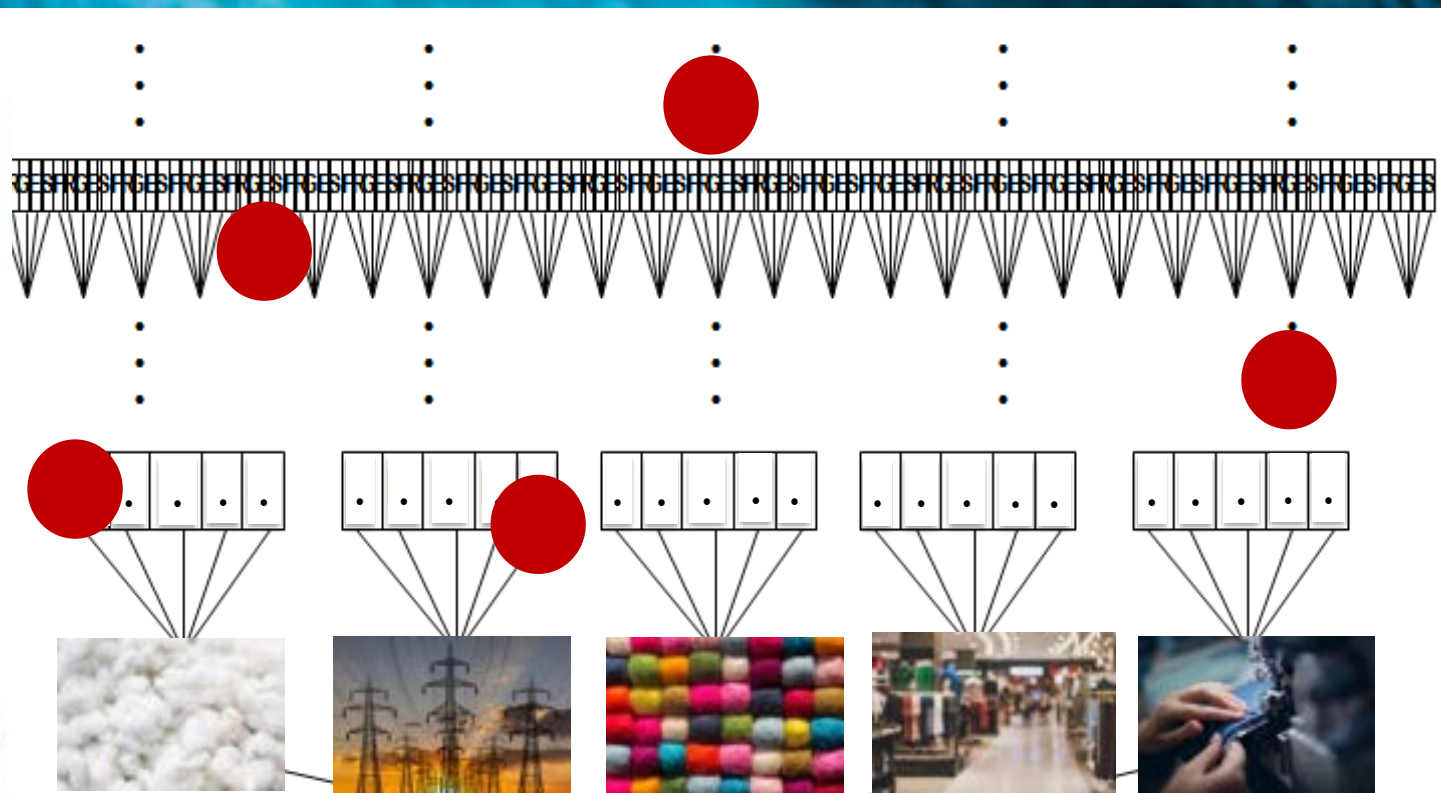
Arunima Malik

School of Physics & Business School



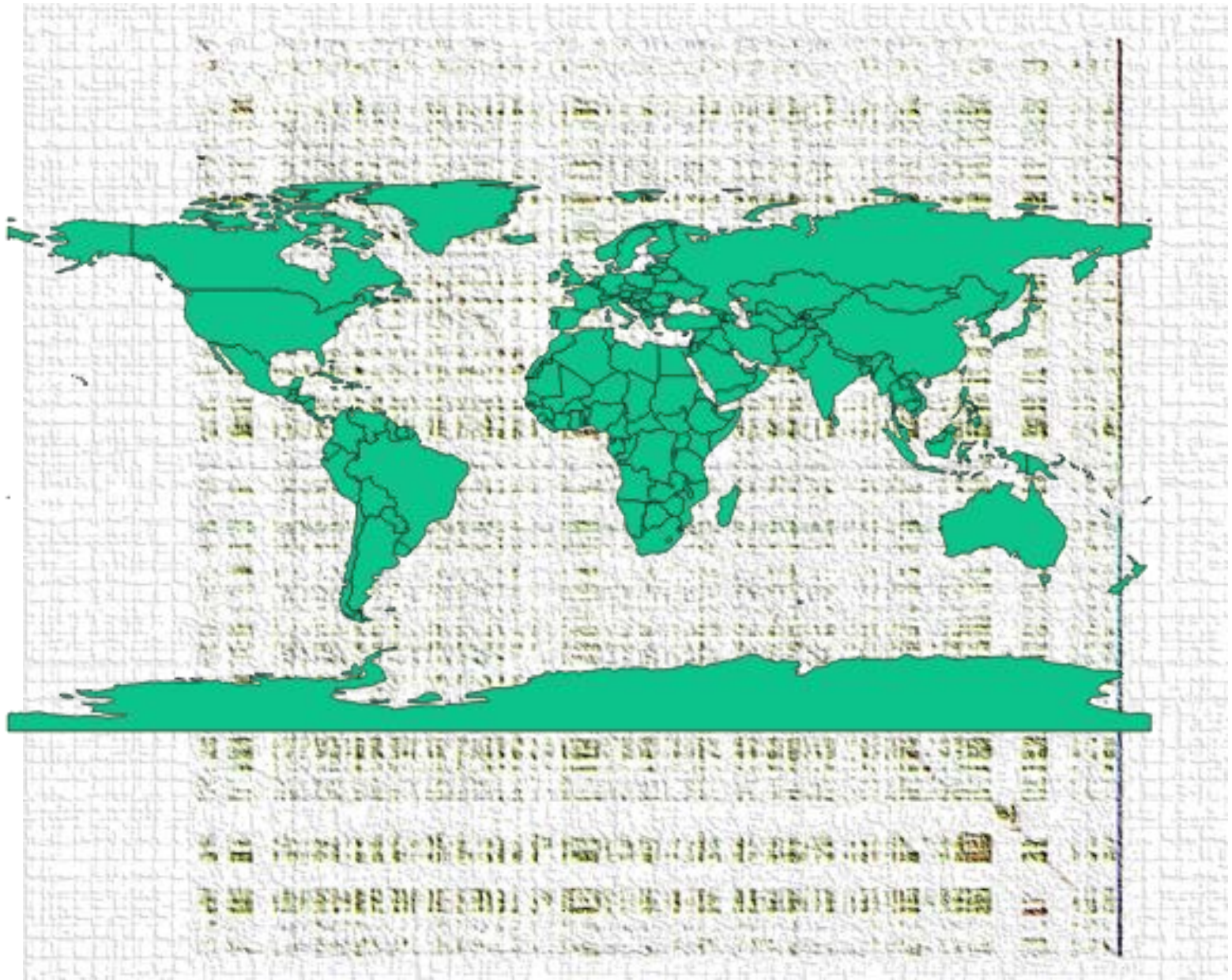


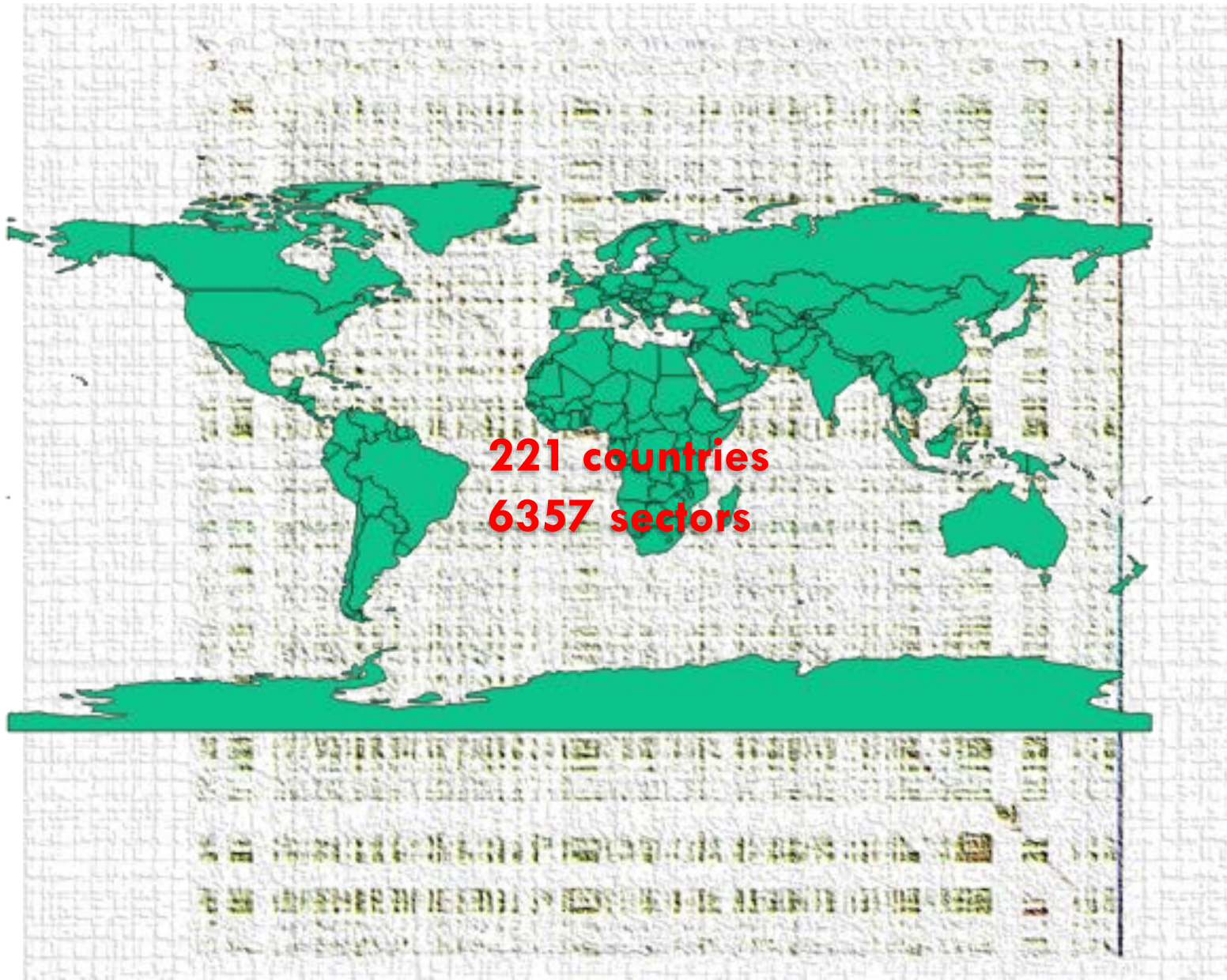




A white oval containing five red icons: a sweater, a pair of trousers, a t-shirt, a sneaker, and a high-heeled shoe.

Clothing, textiles, footwear ...





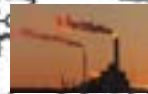
221 countries
6357 sectors







Water



Air pollution



Biodiversity



Employment

Consumer







Social spillover effects in the EU's textile supply chains

Anoussa Malik, Guillaume Lafortune, Sarah Carter, Mengyu Li, Manfred Lanzani

October 2022

SPILOVER EFFECTS

REPORT COMMISSIONED BY THE EUROPEAN COMMISSION
RESEARCH CONTRACT NO. 101019164 AND 101019165

Making globalisation and trade work for people and planet: International spillovers embodied in EU's food supply chains

Anoussa Malik^{1,2}, Guillaume Lafortune³, Fatima Dakir⁴, Zachary A. Woodling⁵, Sarah Carter⁶, Mengyu Li⁷, Manfred Lanzani⁸

¹GIZ, School of Physics, The University of Sydney, NSW, Australia

²School of Accounting, Sydney Business School, The University of Sydney, NSW, Australia

³Sustainable Development Solutions Network (SDSN), Paris office, France

⁴Thermal Engineering Laboratory, Sydney School of Health Sciences, Faculty of Medicine and Health, NSW, Australia



Prepared by:
Anoussa Malik, Guillaume Lafortune, Fatima Dakir, Zachary A. Woodling, Sarah Carter, Mengyu Li, Manfred Lanzani
GIZ, School of Physics, The University of Sydney, NSW, Australia
School of Accounting, Sydney Business School, The University of Sydney, NSW, Australia
Sustainable Development Solutions Network (SDSN), Paris office, France
Thermal Engineering Laboratory, Sydney School of Health Sciences, Faculty of Medicine and Health, NSW, Australia
www.giz.de



International spillovers embodied in the EU's supply chains

Tracking forced labour, accidents at work and climate impacts
in EU's consumption of fossil and mineral raw materials



Anoussa Malik, Guillaume Lafortune, Carter (M), Sarah Carter, Manfred Lanzani

Case study: How does the EU perform on social impacts driven by consumer demand for textile products?

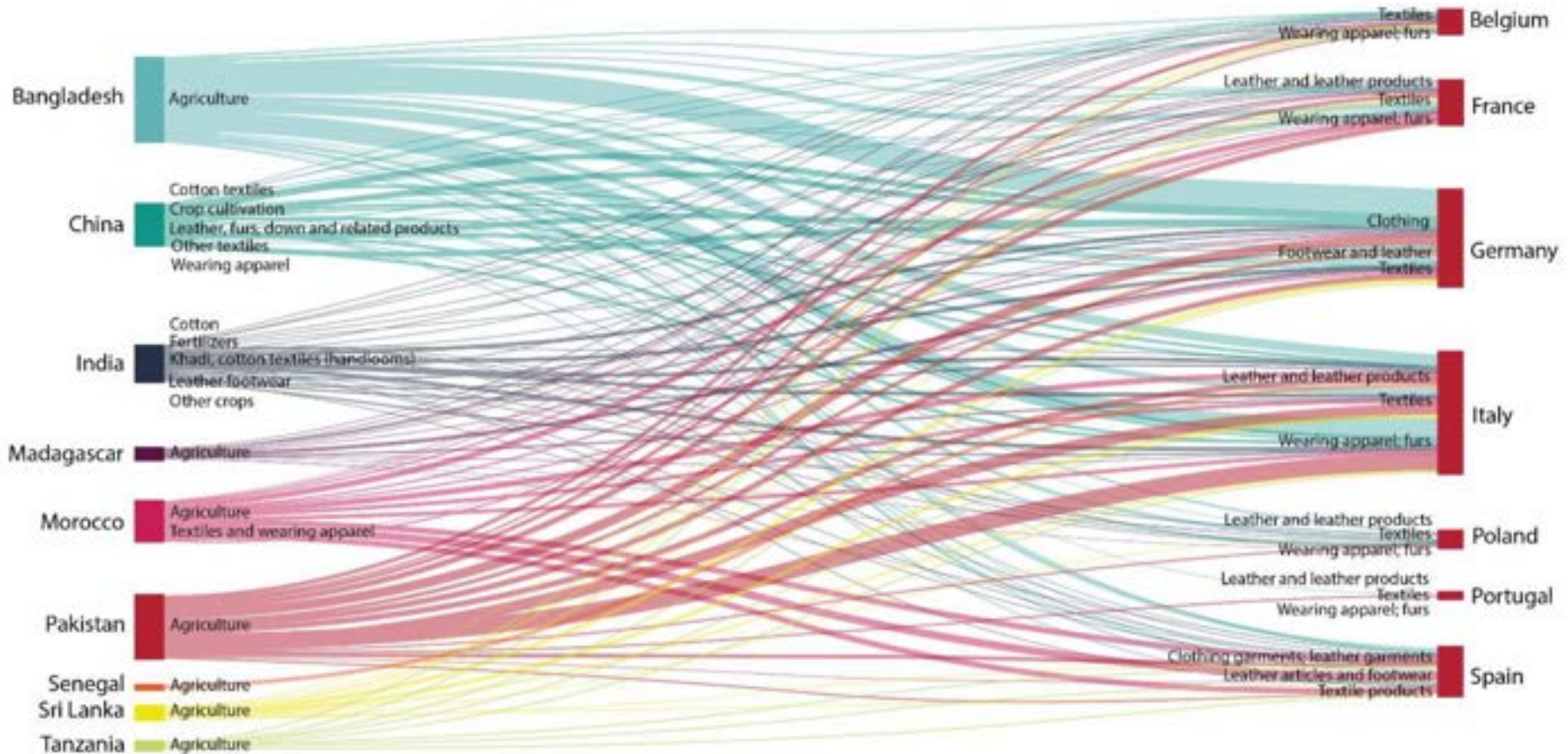


Fatal accidents



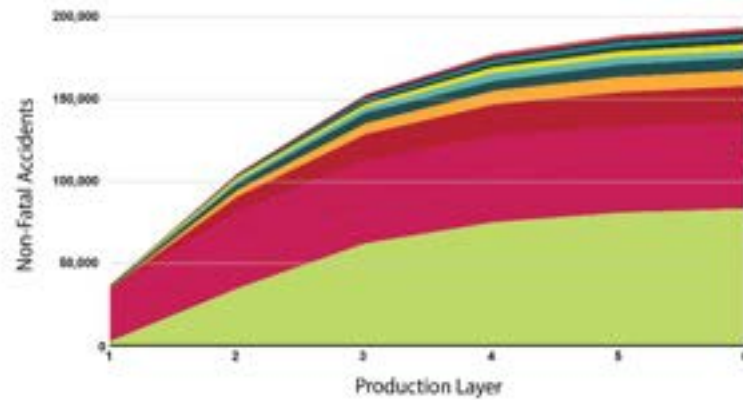
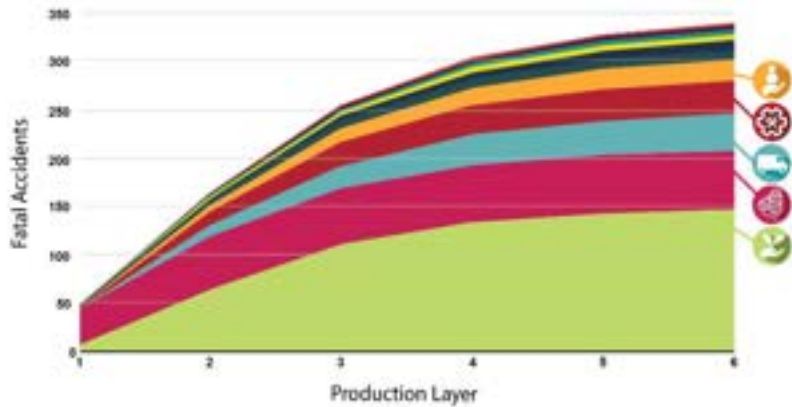
Non-fatal accidents

Most accidents happen in agriculture-related supply chains of developing countries...



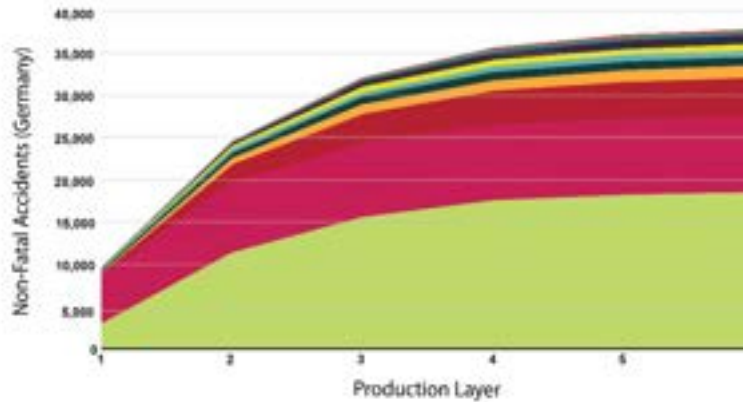
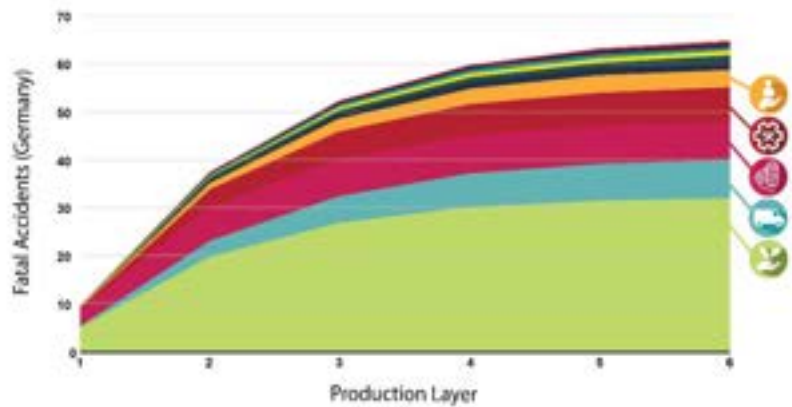
...and in upstream supply chains...

European Union

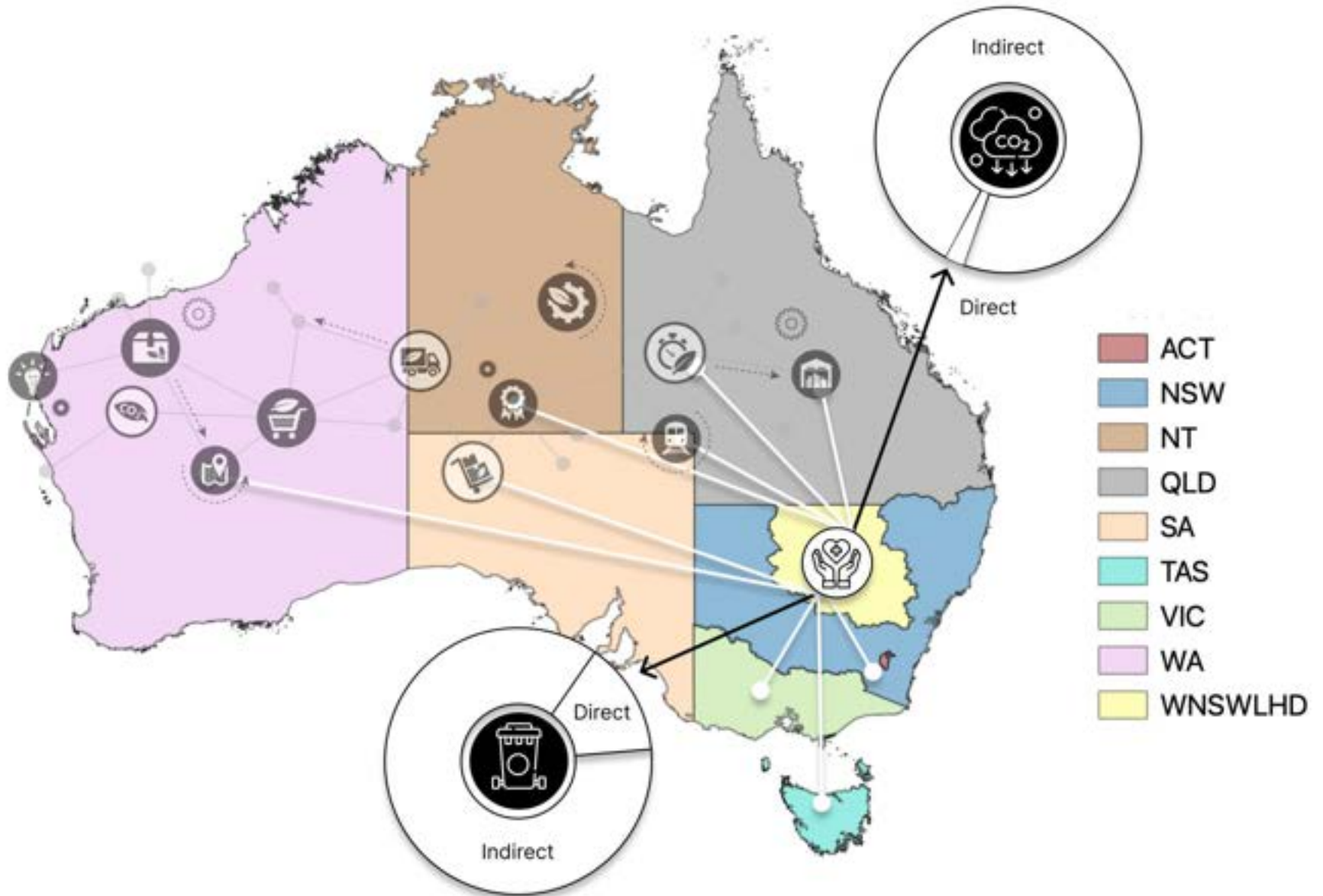


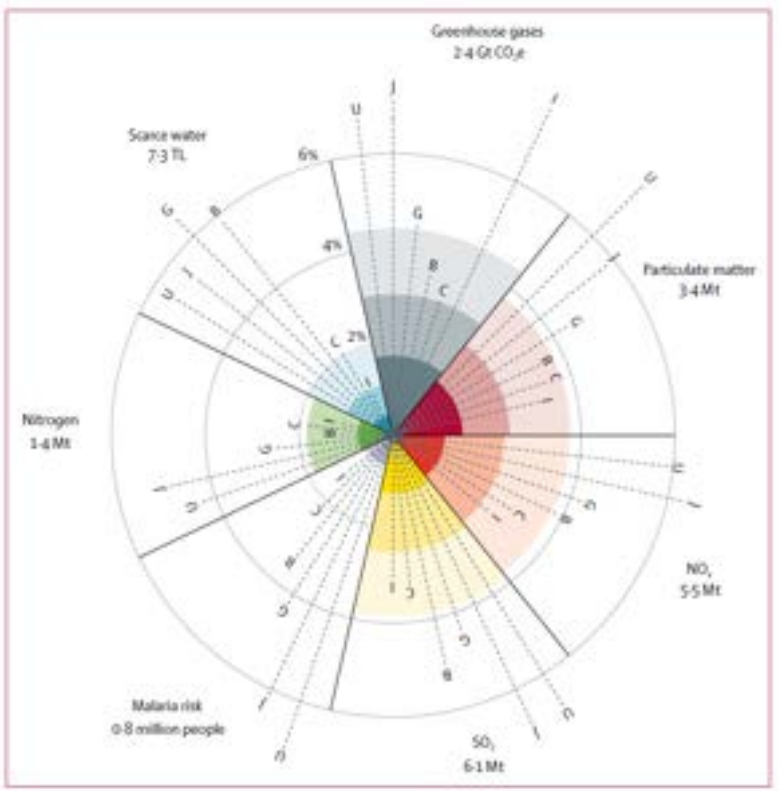
- Agriculture
- Services
- Fishing
- Textiles & Wearing Apparel
- Mining
- Utilities
- Transport
- Trade
- Food & Beverages
- Products, Machinery, and Equipment
- Construction
- Hotels and Restaurants

Germany



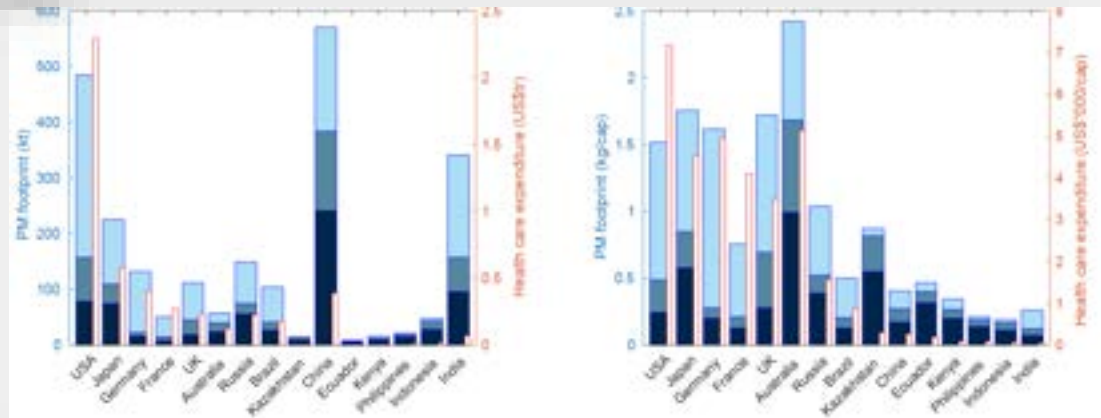
Sector-level spillovers – a look at our health system





People and Planet – Interlinked challenges !

Health-care services are necessary for sustaining and improving human wellbeing, yet they have an environmental footprint that contributes to environment-related threats to human health



THANK YOU!



THE UNIVERSITY OF
SYDNEY