

Informing adaptation strategy through mapping the dynamics linking climate change, health and other human systems:

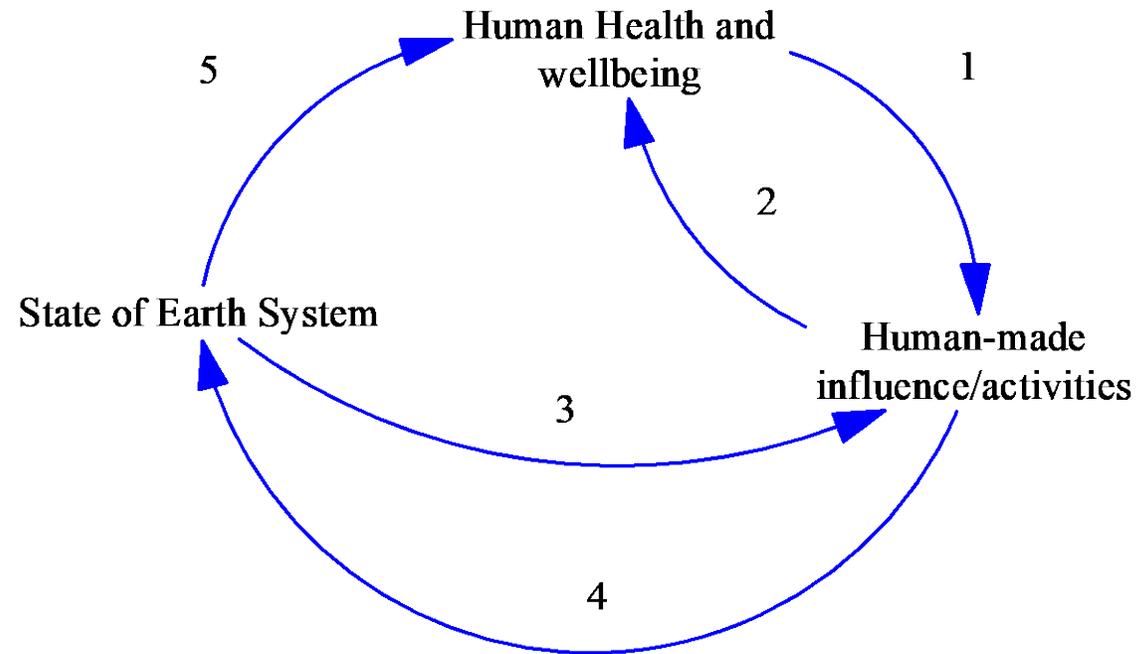
Case studies from Georgia, Lebanon, Mozambique and Costa Rica

Giulia Loffreda

Institute for Global Health and Development
Queen Margaret University, Edinburgh, UK

Research team: Prof Alastair Ager (PI), Dr Ivdity Chikovani, Dr Ana O Mocumbi, Prof Michele Asmar, Dr Laura C Blanco, Prof Liz Grant

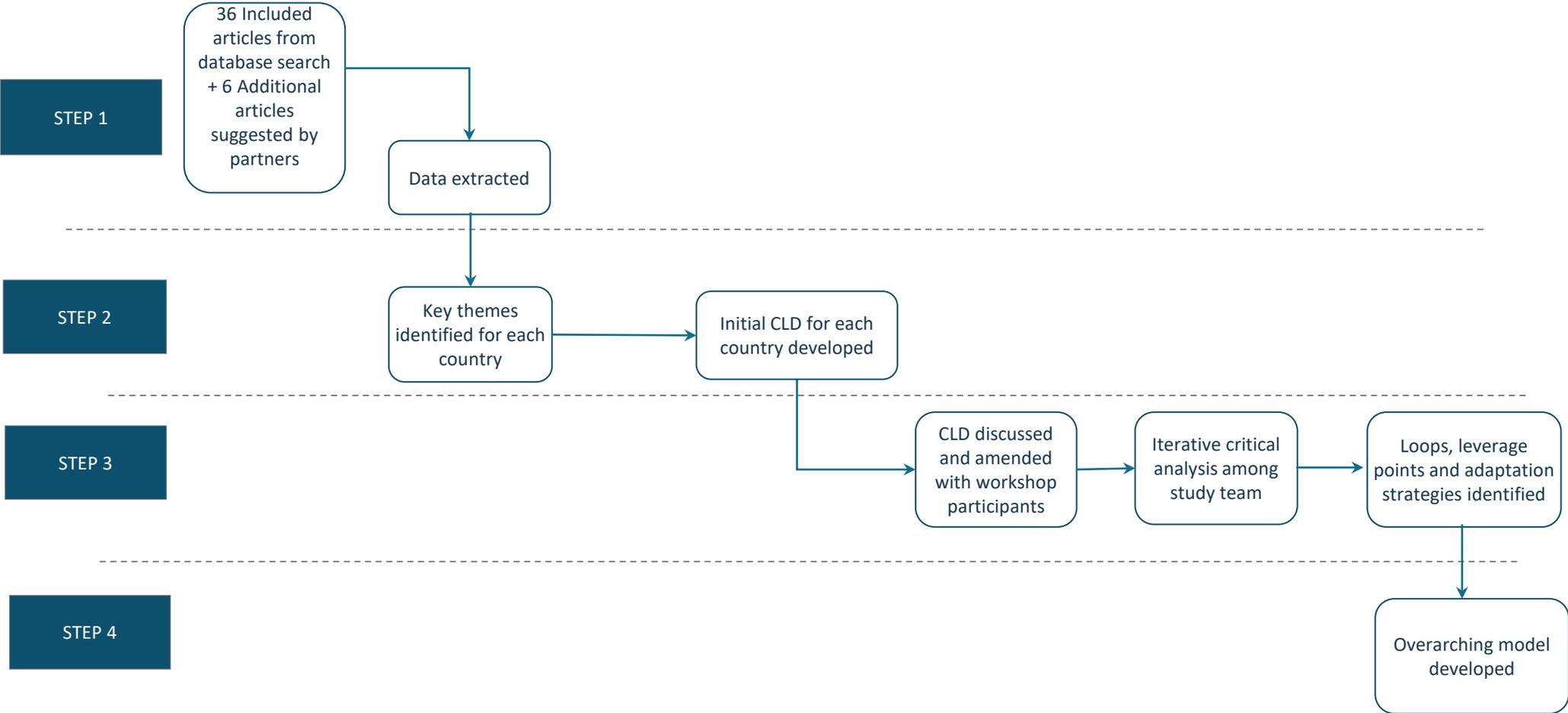
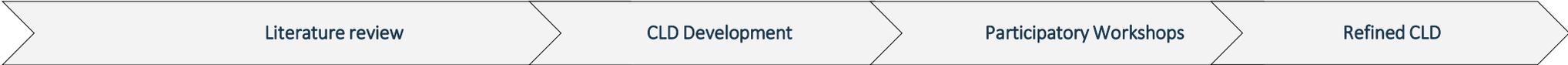
Informing adaptation strategy through mapping the dynamics linking climate change, health and other human systems



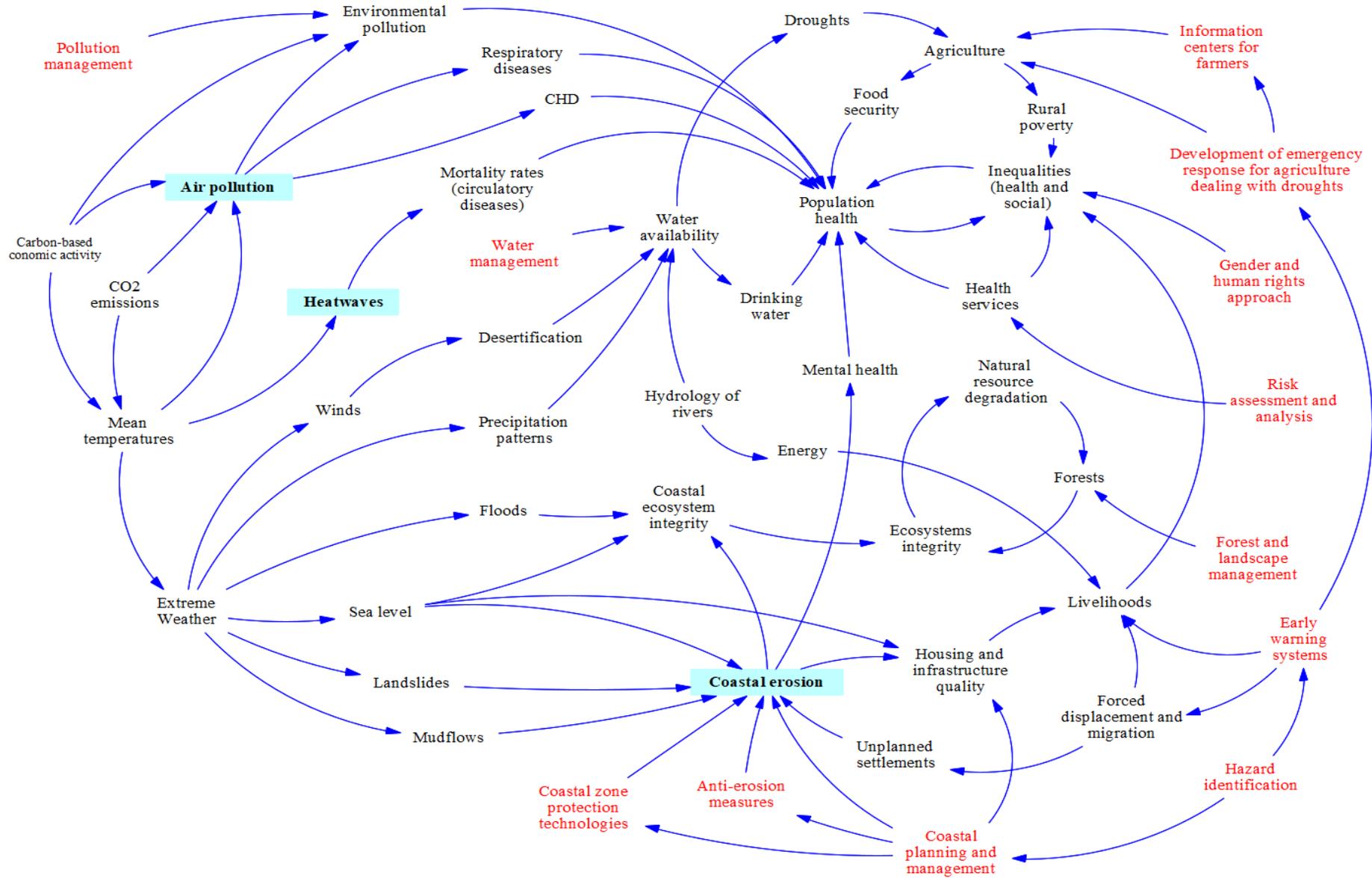
Based on Proust et al.

How are we going to get to the Moon if we can't talk between three buildings? Guss Grisson, 1967

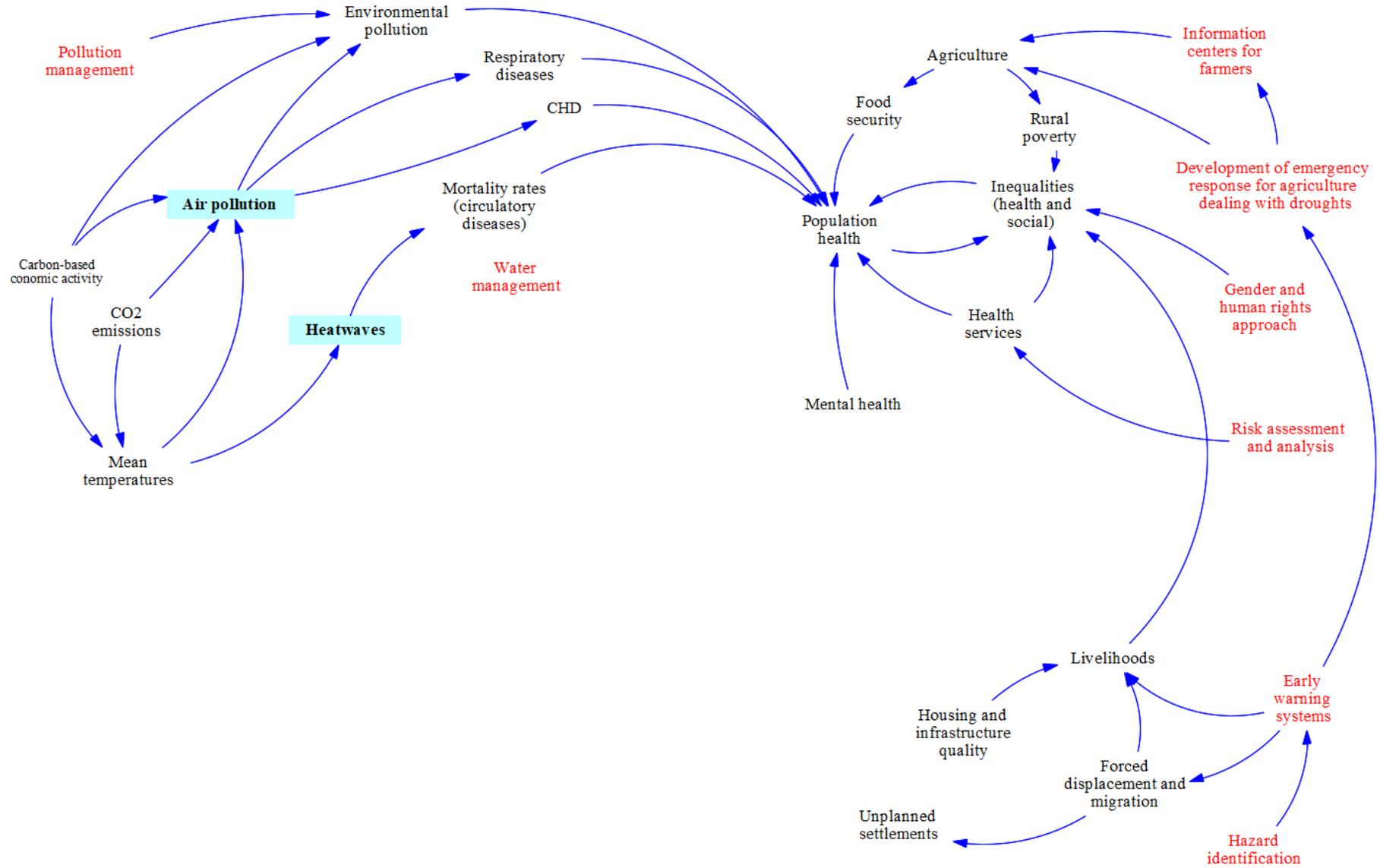
Methods



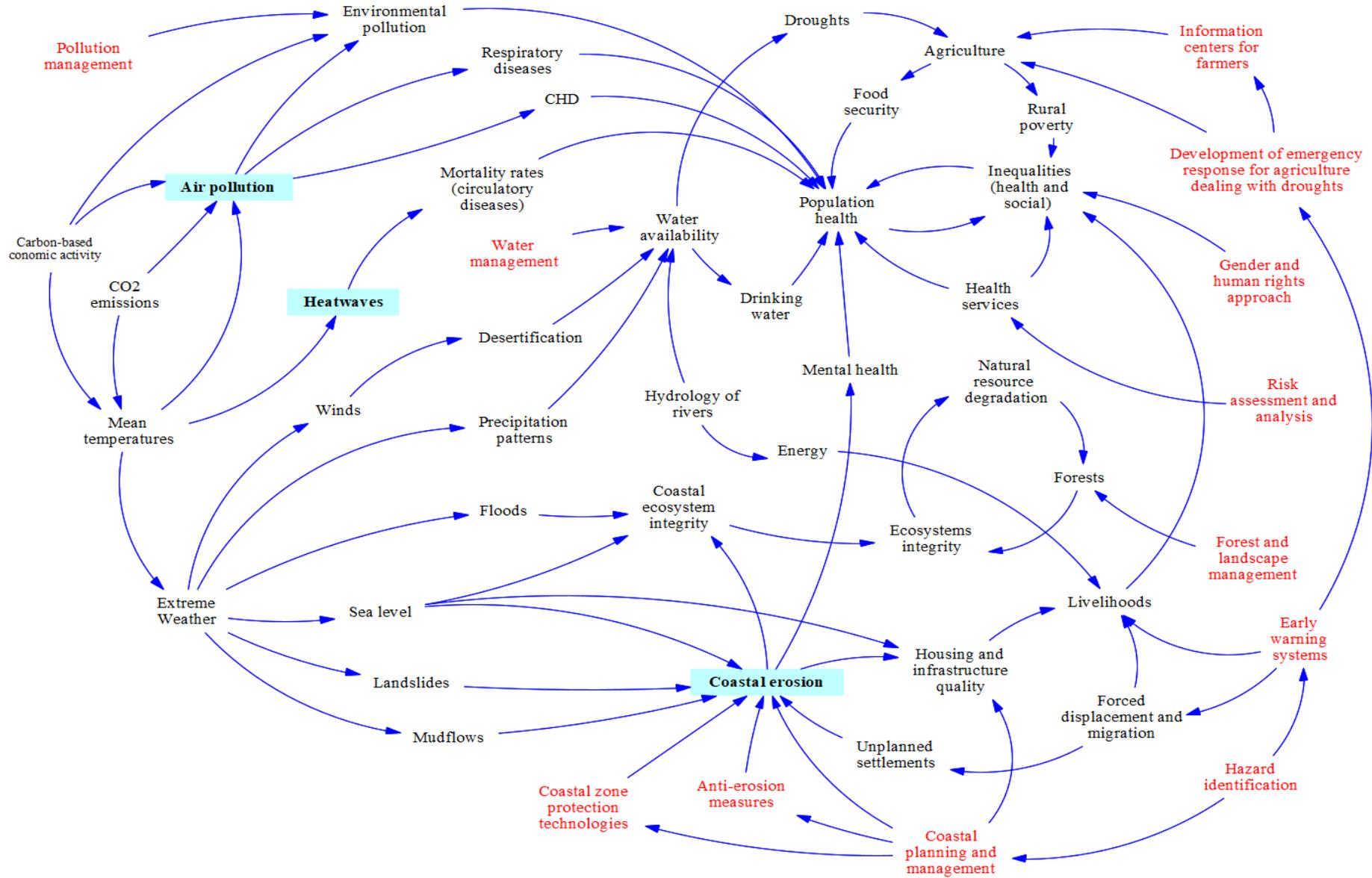
Georgia Case Study



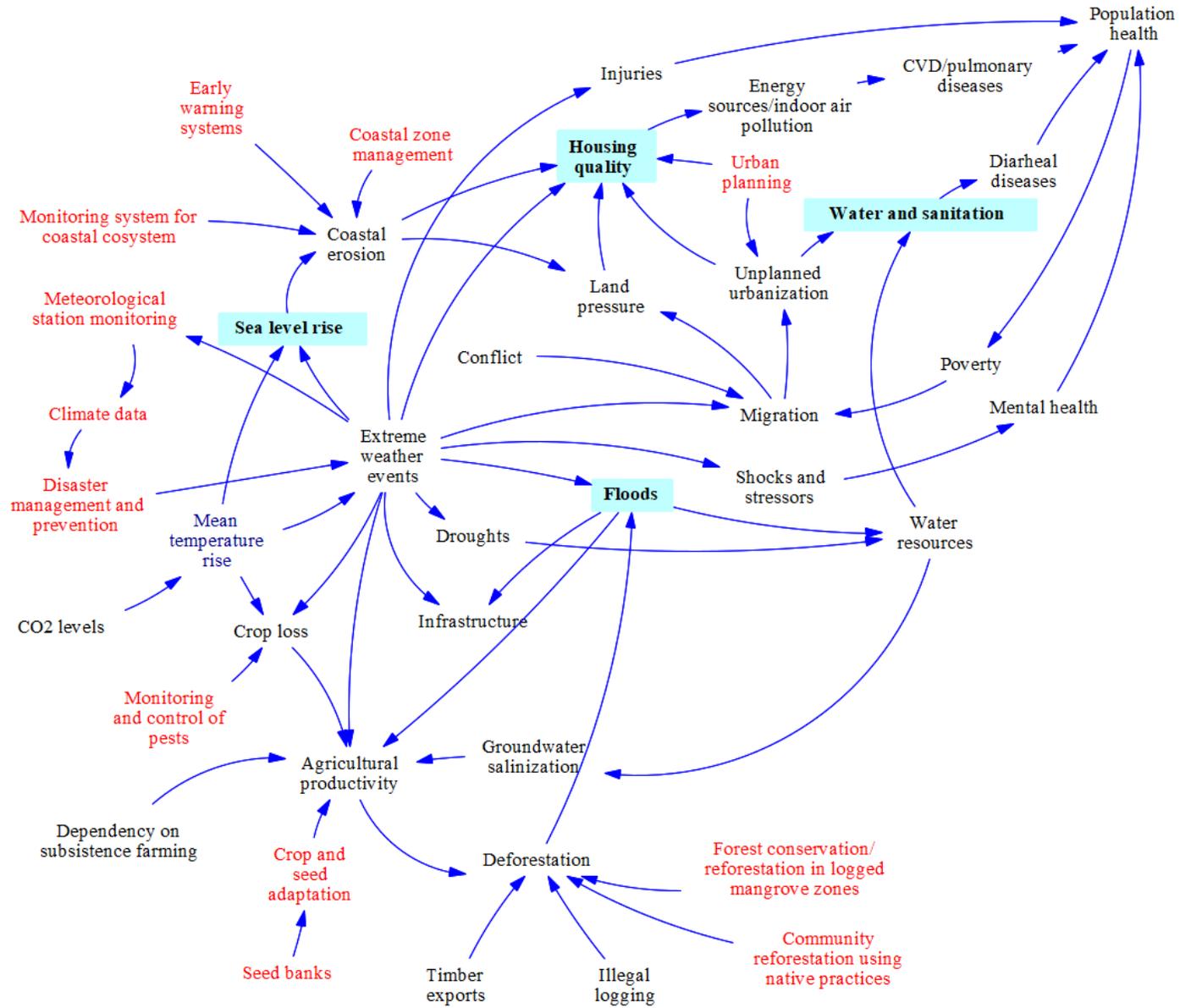
Georgia Case Study



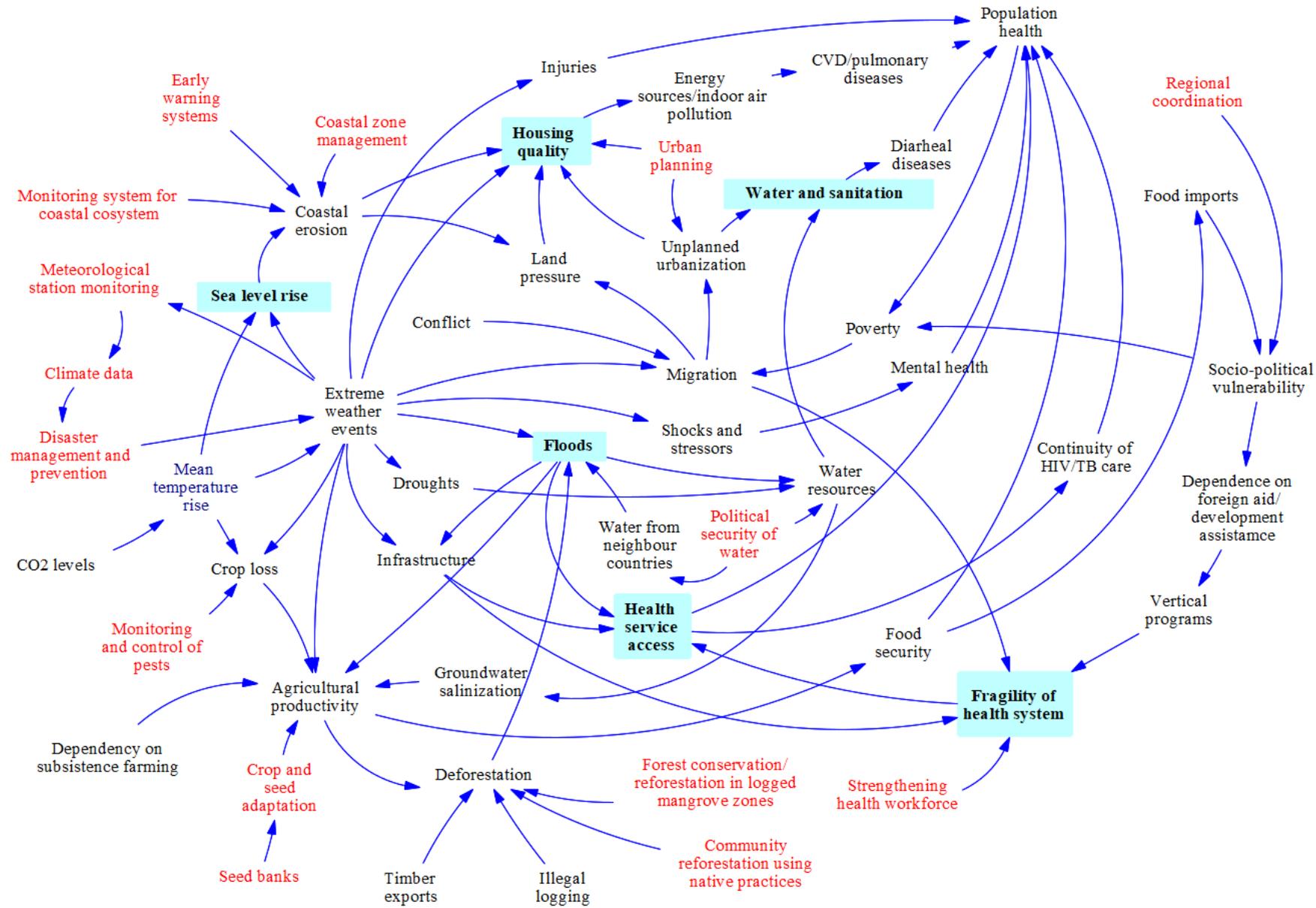
Georgia Case Study



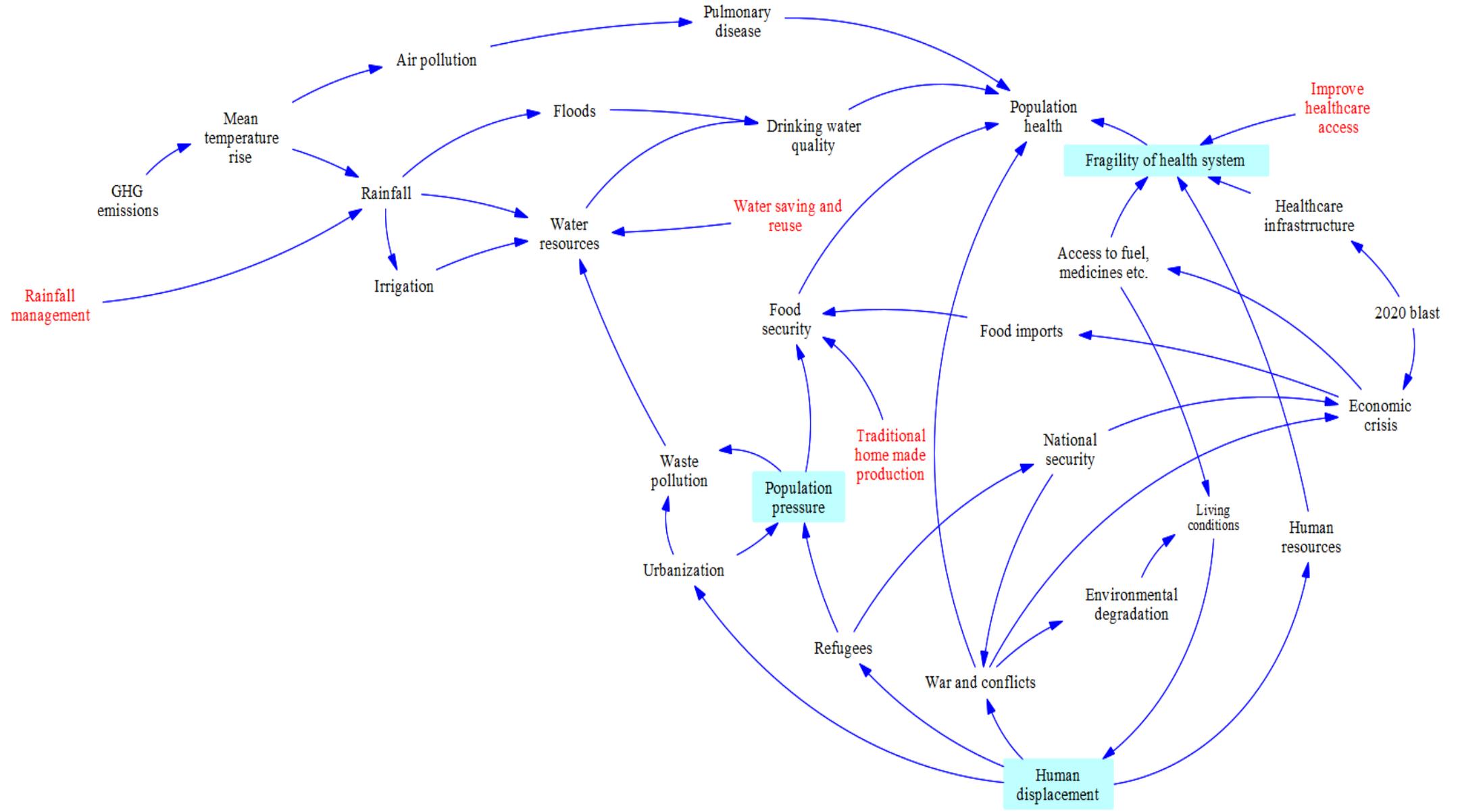
Mozambique Case Study



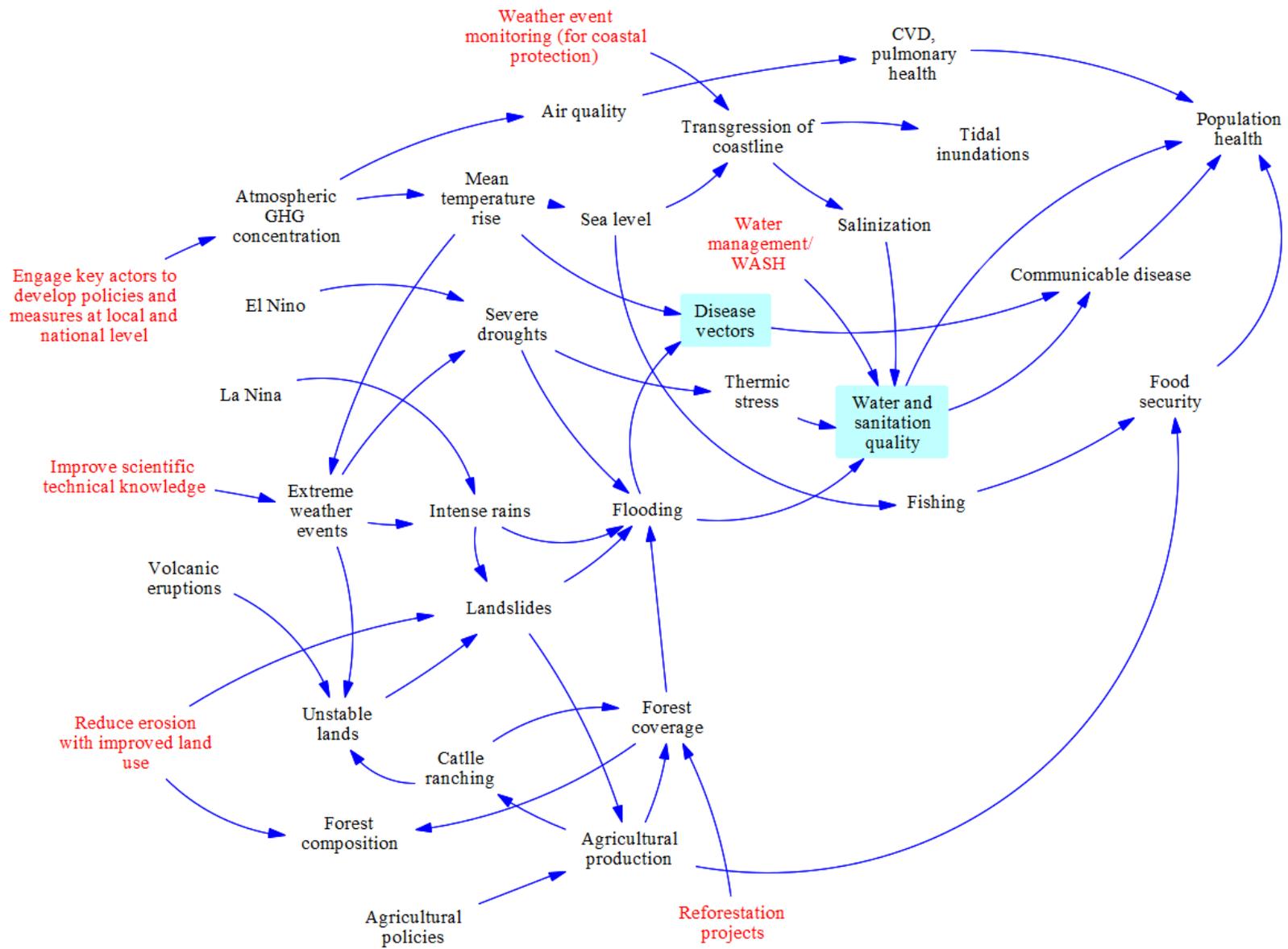
Mozambique Case Study



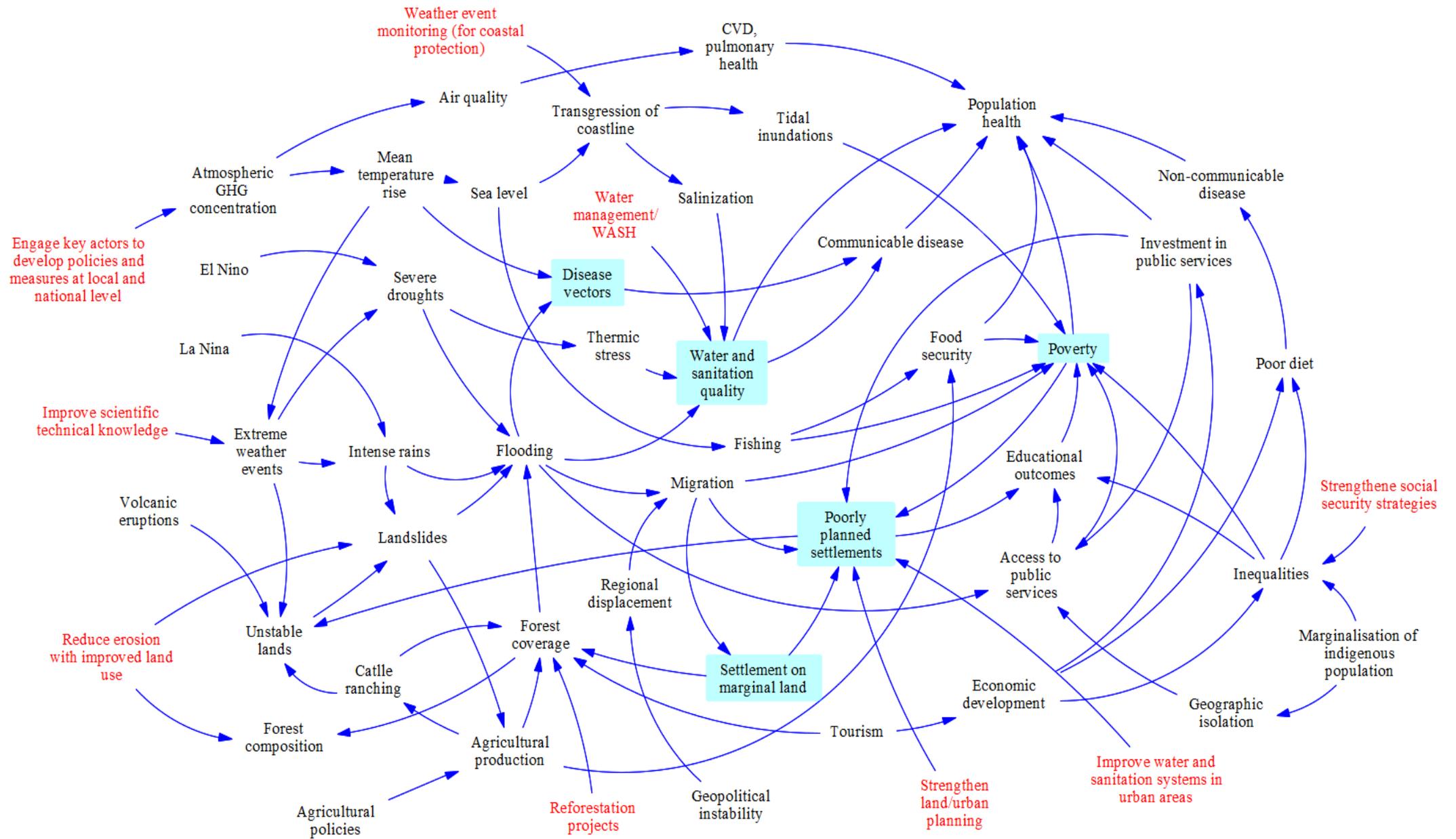
Lebanon Case Study



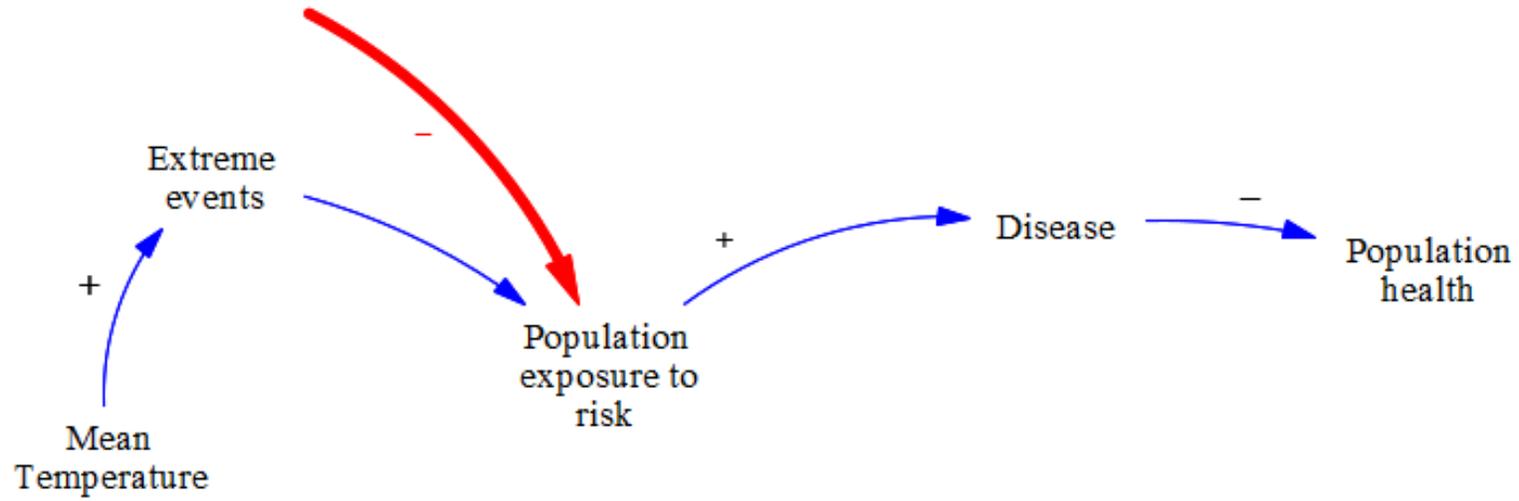
Costa Rica Case Study



Costa Rica Case Study

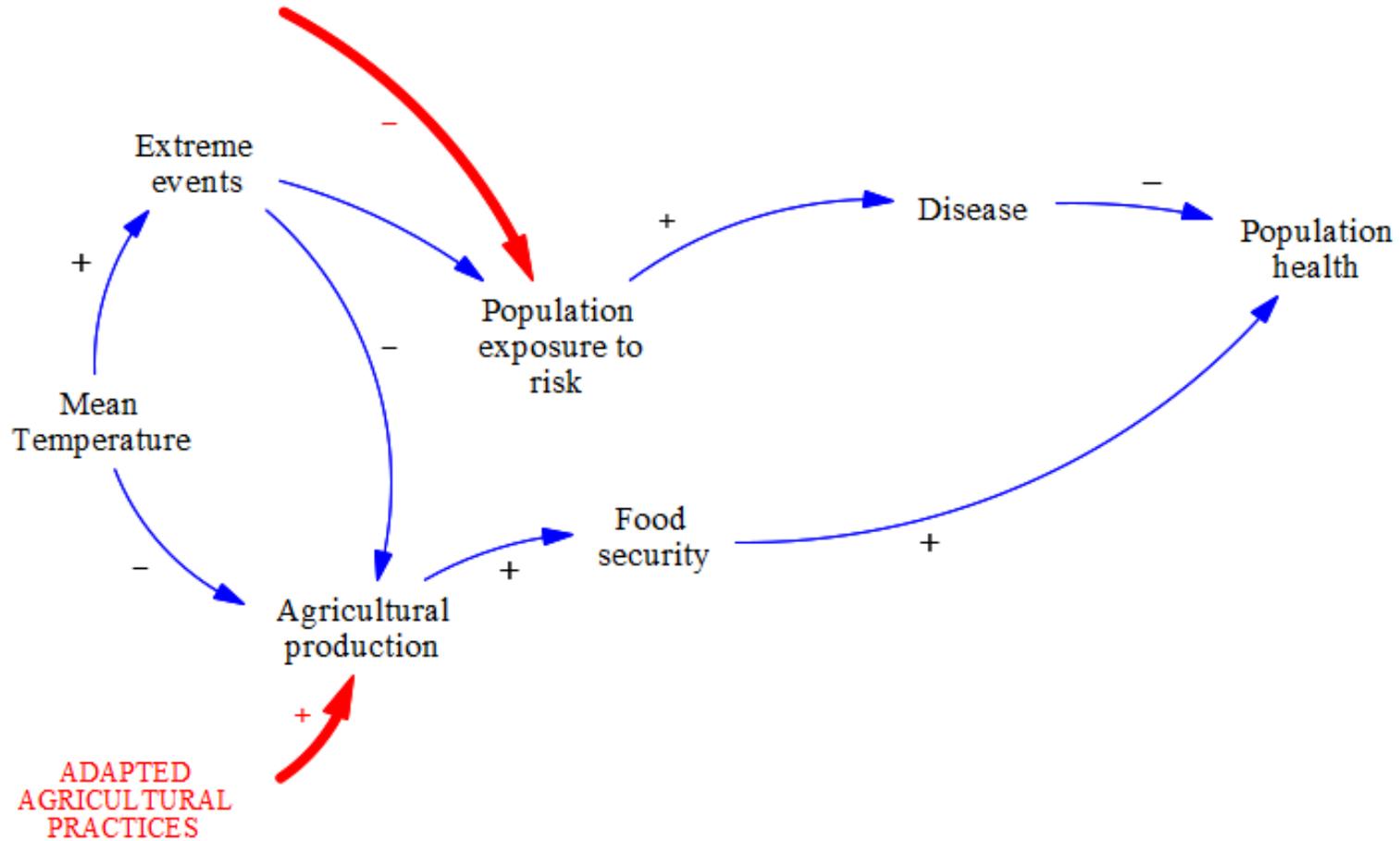


EARLY WARNING/PREPAREDNESS

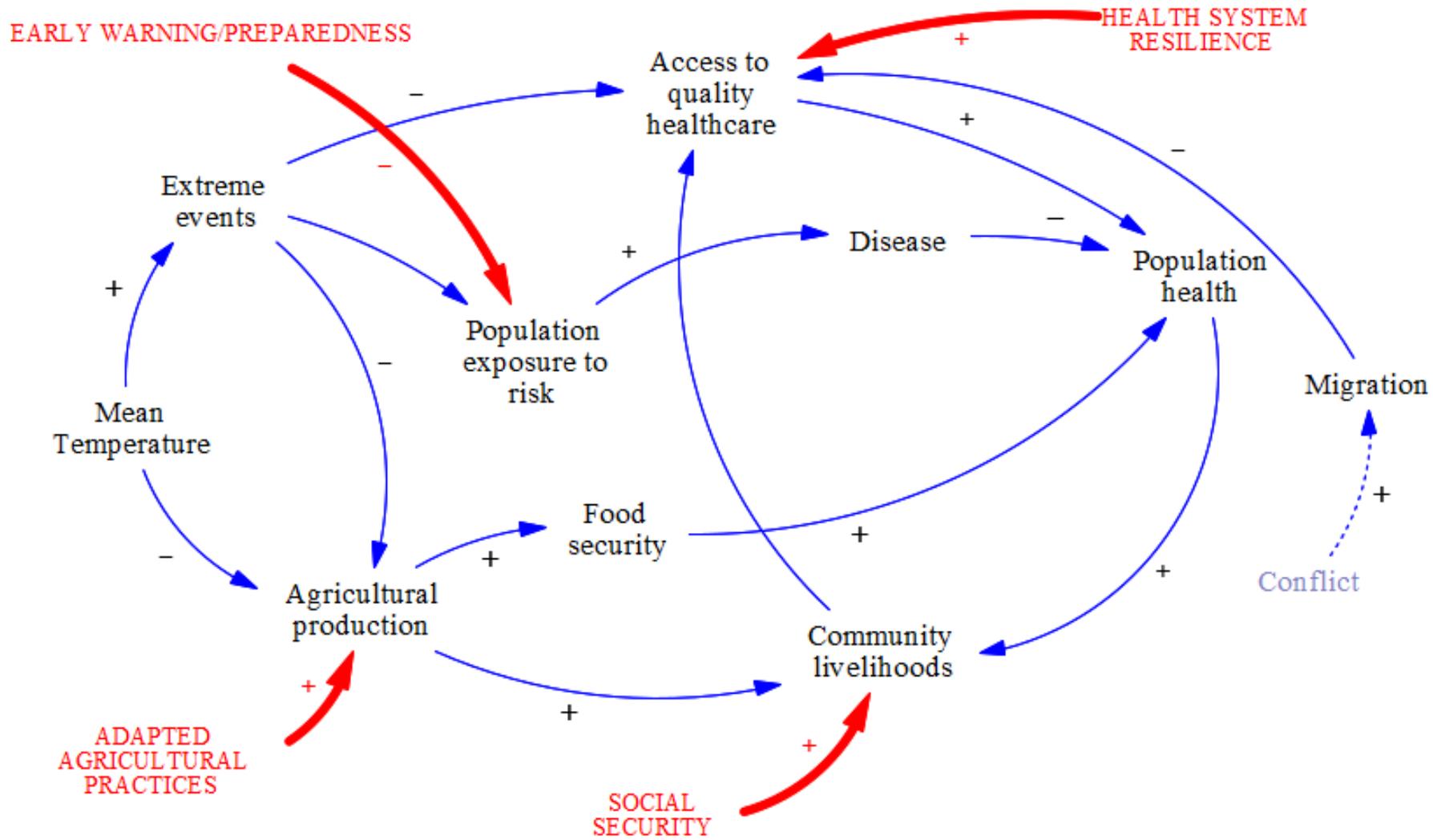


Integrative Analysis

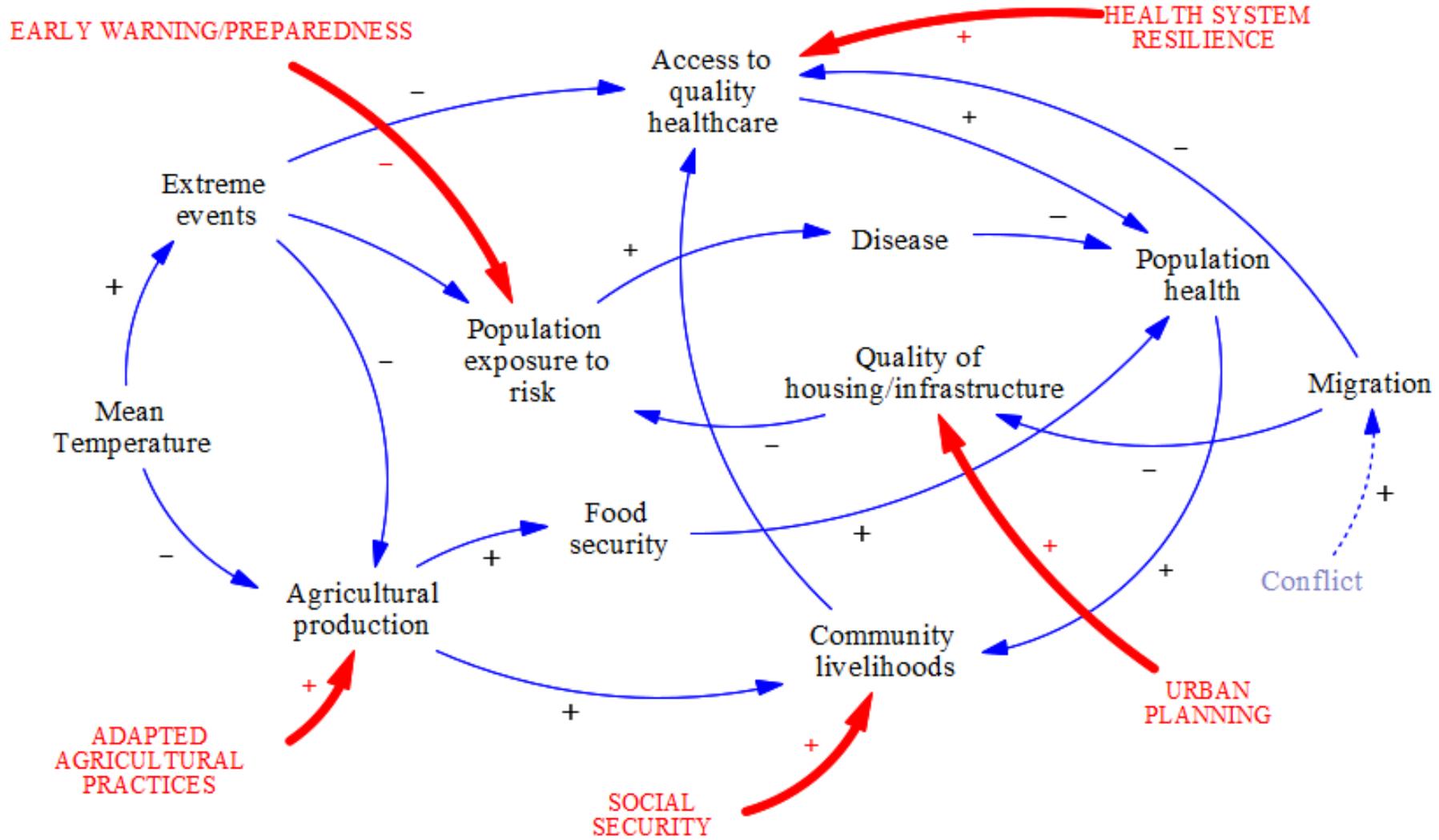
EARLY WARNING/PREPAREDNESS



Integrative Analysis



Integrative Analysis



Recommendations

- a. Consultations at national and local levels using approaches informed by systems dynamics should be used to identify linkages that can promote – or, unattended, would undermine - coherent, cross-sectoral action in support of adaptation. Power analysis needs to be an integral part of the process.**
- b. Adaptation strategies need to consider *a priori* investments which prioritise social security of vulnerable communities and populations.**
- c. Strategies focused on strengthening health systems resilience need to consider the relevant capabilities and whole system transformation.**
- d. Effective data monitoring systems need to be prioritised at the national level to integrate information from all relevant sectors.**

Thank you

Get in touch, gloffreda@qmu.ac.uk