

Economy-Wide Effects of Climate Change Induced Health Impacts Based on General Equilibrium Models

Project Team



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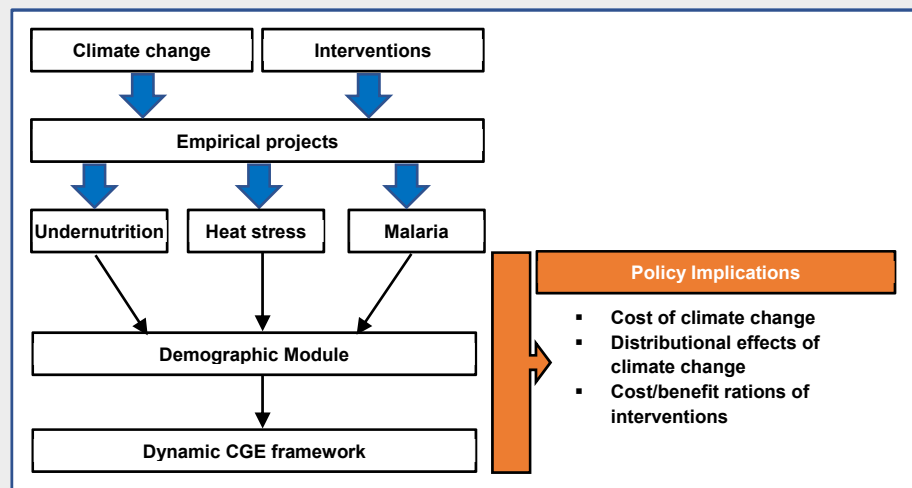


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Climate change mediated through human health affects the economy via multiple pathways. It affects agricultural yield and markets for agricultural goods, and finally undernutrition. Additionally, increasing heat stress and changes in malaria incidence reduce labor availability and productivity.

This project aims to *assess human health-mediated economy-wide effects of climate change and adaptation strategies in Kenya and Burkina Faso.*

The analysis is conducted using a single-country and recursive-dynamic CGE model and an integrated demographic module to estimate the economy-wide effects of changes in *mortality* due to climate change impacts on diseases, taking malaria and heat stress as examples.



This project estimates ex-ante the impacts of climate change on economic growth and household welfare and the economy-wide **implications of adaptation strategies** on agricultural production and livelihoods.



This project is one of the projects of the "Climate Change and Health in Sub-Saharan Africa" Research Unit funded by Deutsche Forschungsgemeinschaft (DFG). The research unit addresses the growing public health concerns of accelerated disease burden as a consequence of climate change. Hence, the aim is to provide essential knowledge for developing effective and efficient climate-specific adaptation strategies for sub-Saharan Africa. The research unit consists of the following institutions:



More information:
<https://cch-africa.de>

