Human Development Report Office

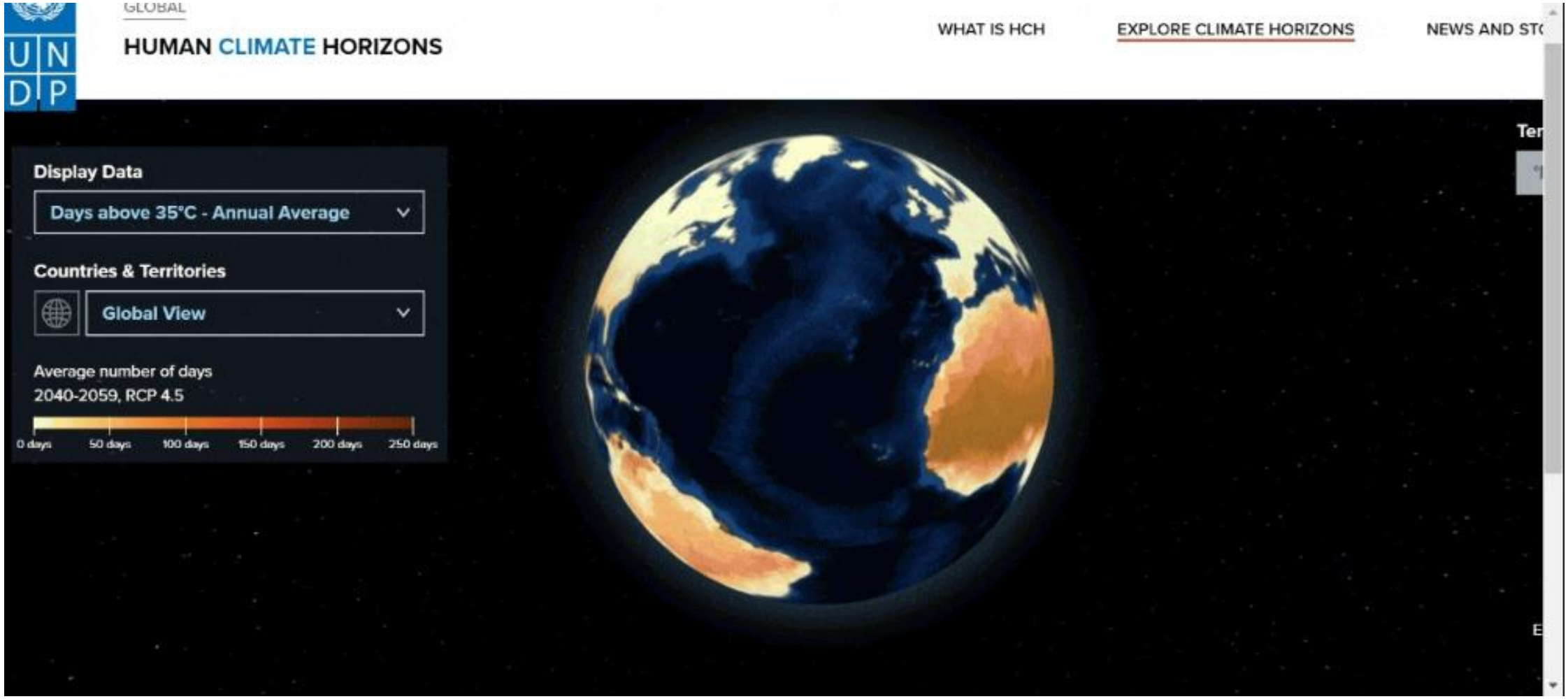
UNDP

INNOVATIONS FOR SDG-ACTION

Heriberto Tapia
Human Development Report Office

THE ANTHROPOCENE CONTEXT

Human Development Report Office

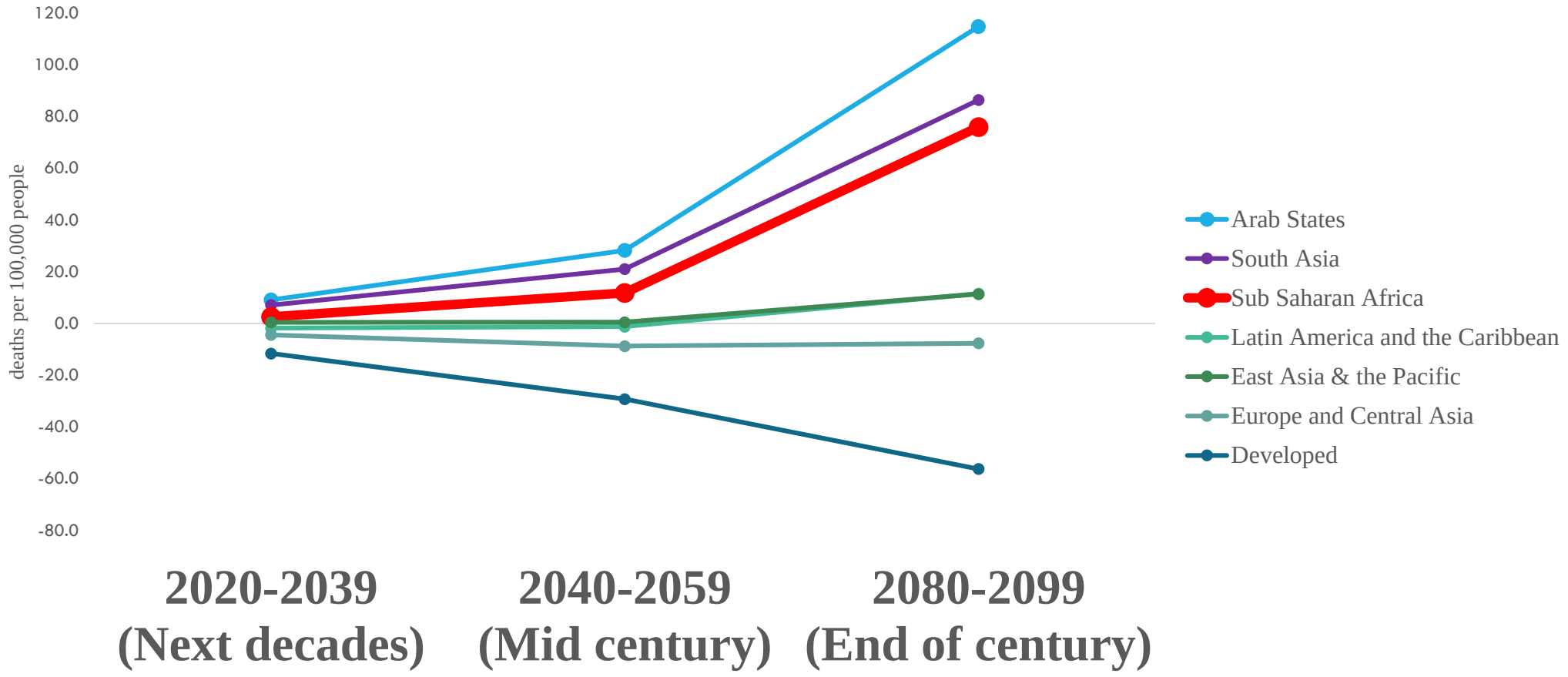


horizons.hdr.undp.org

SSA COULD BE ONE OF THE MOST AFFECTED REGION FOR CLIMATE CHANGE

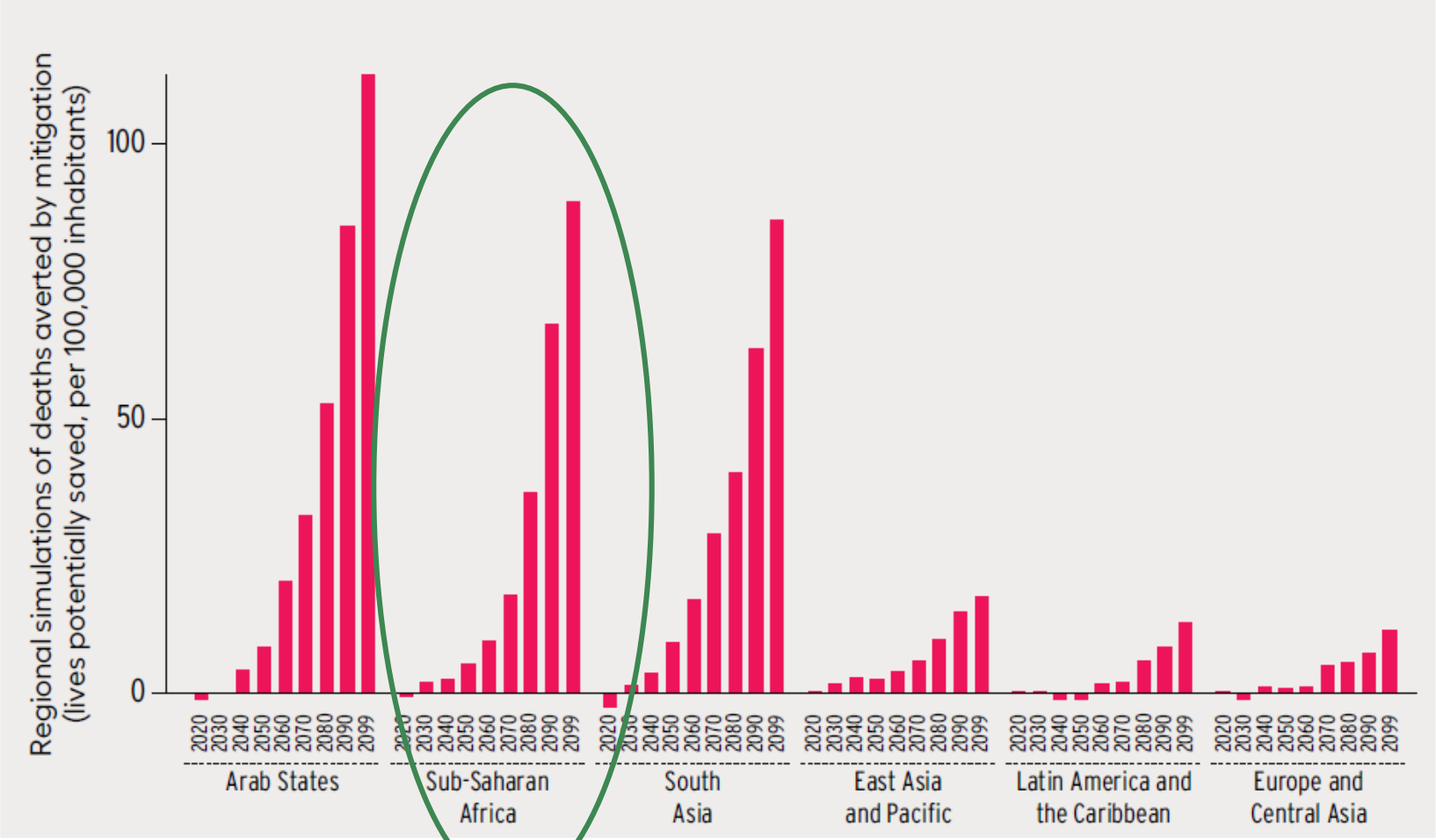
Human Development Report Office

Change in death rate due to global warming (Regional averages, very high emissions scenario)



THE BENEFITS OF MITIGATION…

Human Development Report Office

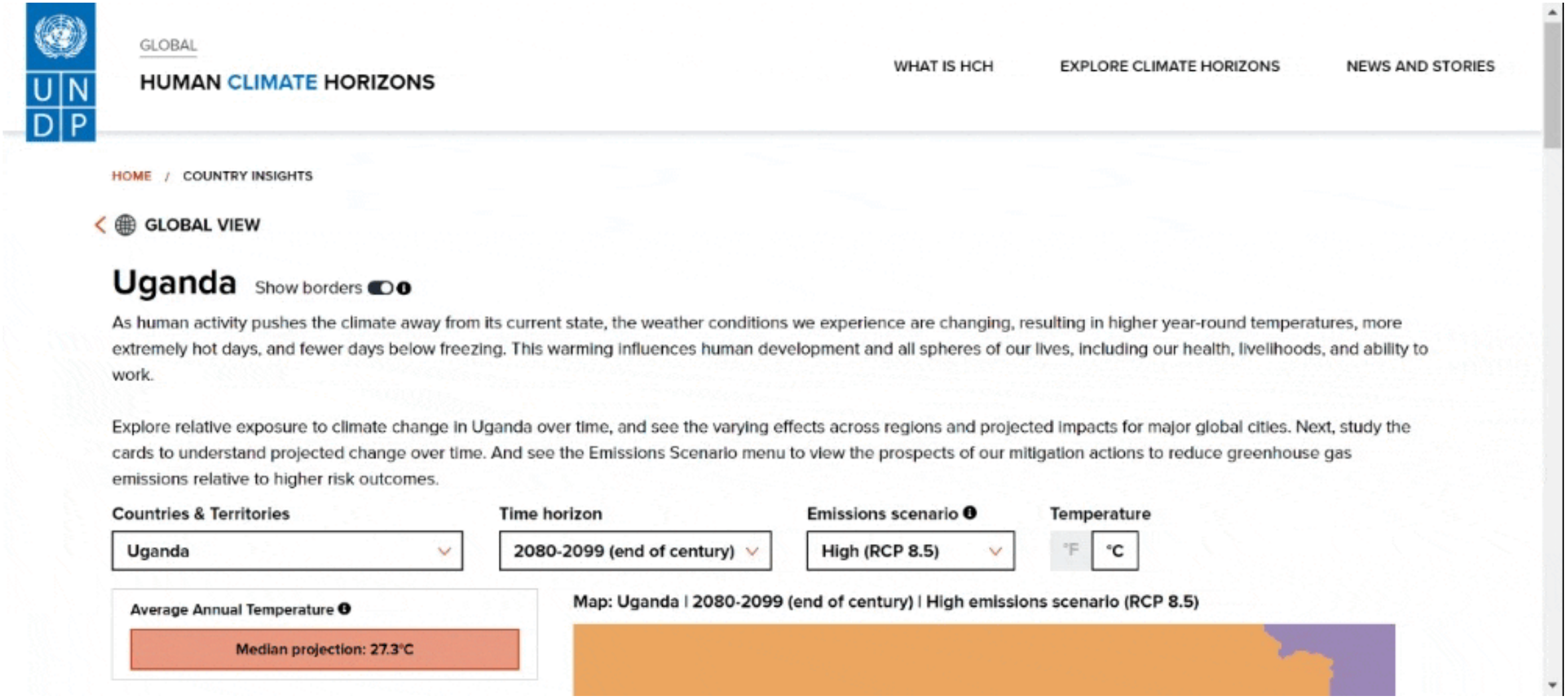


Note: Comparisons are between Representative Concentration Pathways 4.5 and 8.5. Aggregates are weighted by population.
Source: Human Development Report Office based on Carleton and others (2020).

Sub-Saharan Africa is one the regions with the largest expected benefits of **global collective action** -- in terms of the potential to save lives.

IN UGANDA, SIGNIFICANT WITHIN COUNTRY INEQUALITIES

Human Development Report Office



TOWARDS HYPER LOCAL ESTIMATES OF HUMAN DEVELOPMENT

Human Development Report Office

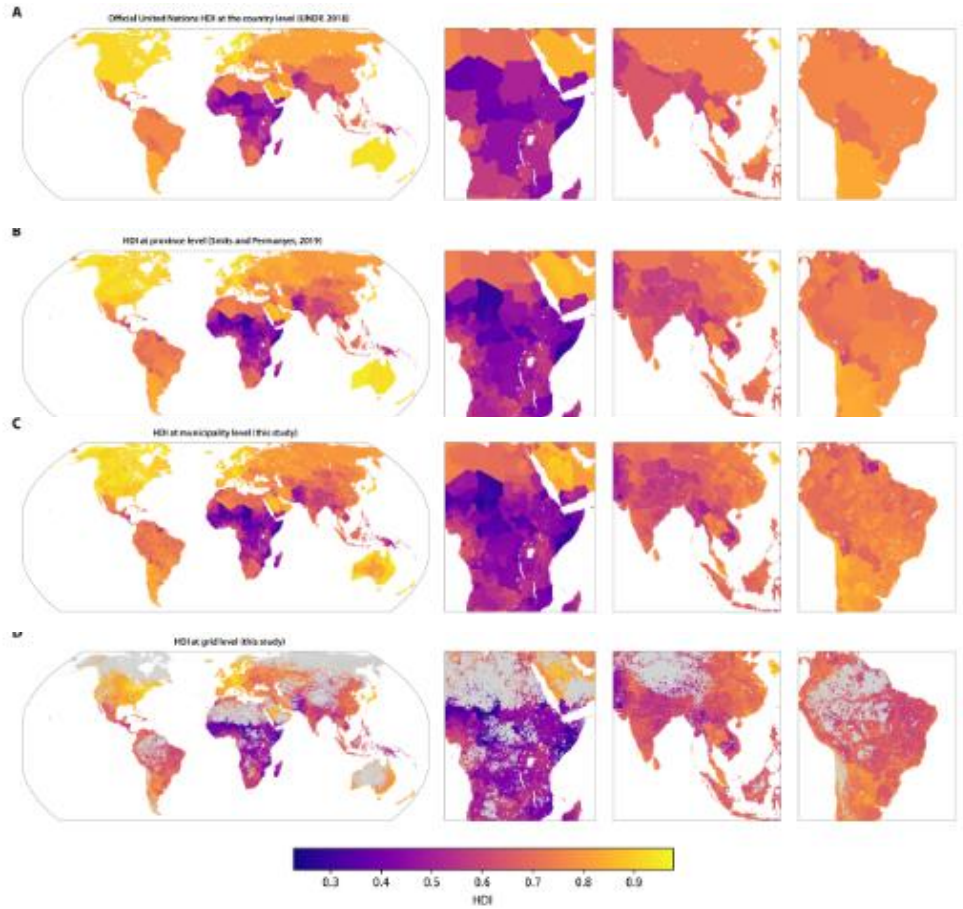
Using Machine Learning and Satellite Imagery… we can go from

Country — **N=191**

Province — **N=1,765**

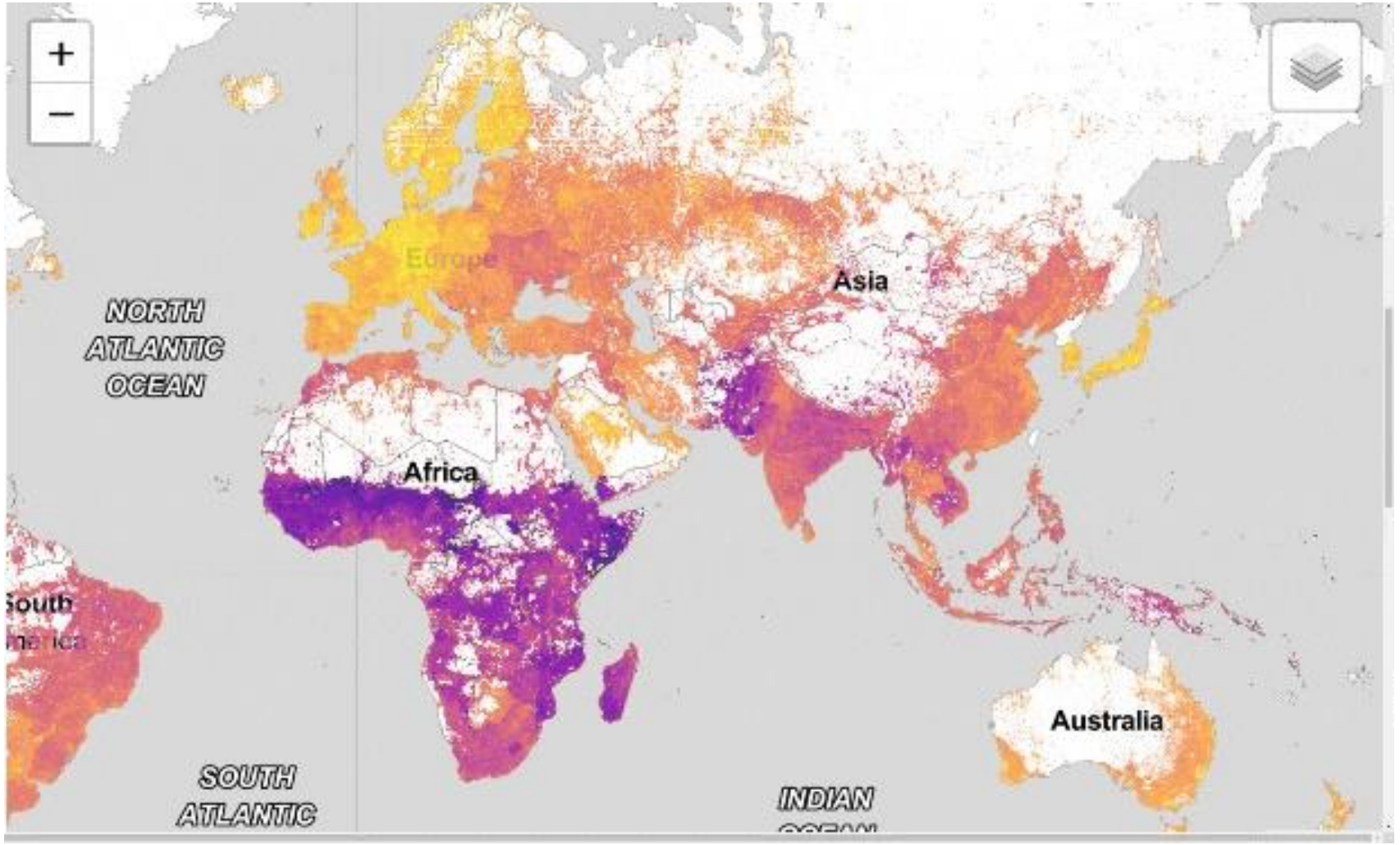
Municipality — **N=61,591**

0.1 x 0.1 degrees — **N=806,361**



HYPER-LOCAL ESTIMATES OF HDI USING SATELLITE IMAGES AND MACHINE LEARNING

Human Development Report Office



Human Development Report Office

www.hdr.undp.org

facebook.com/HumanDevelopmentReport

twitter.com/hdrundp