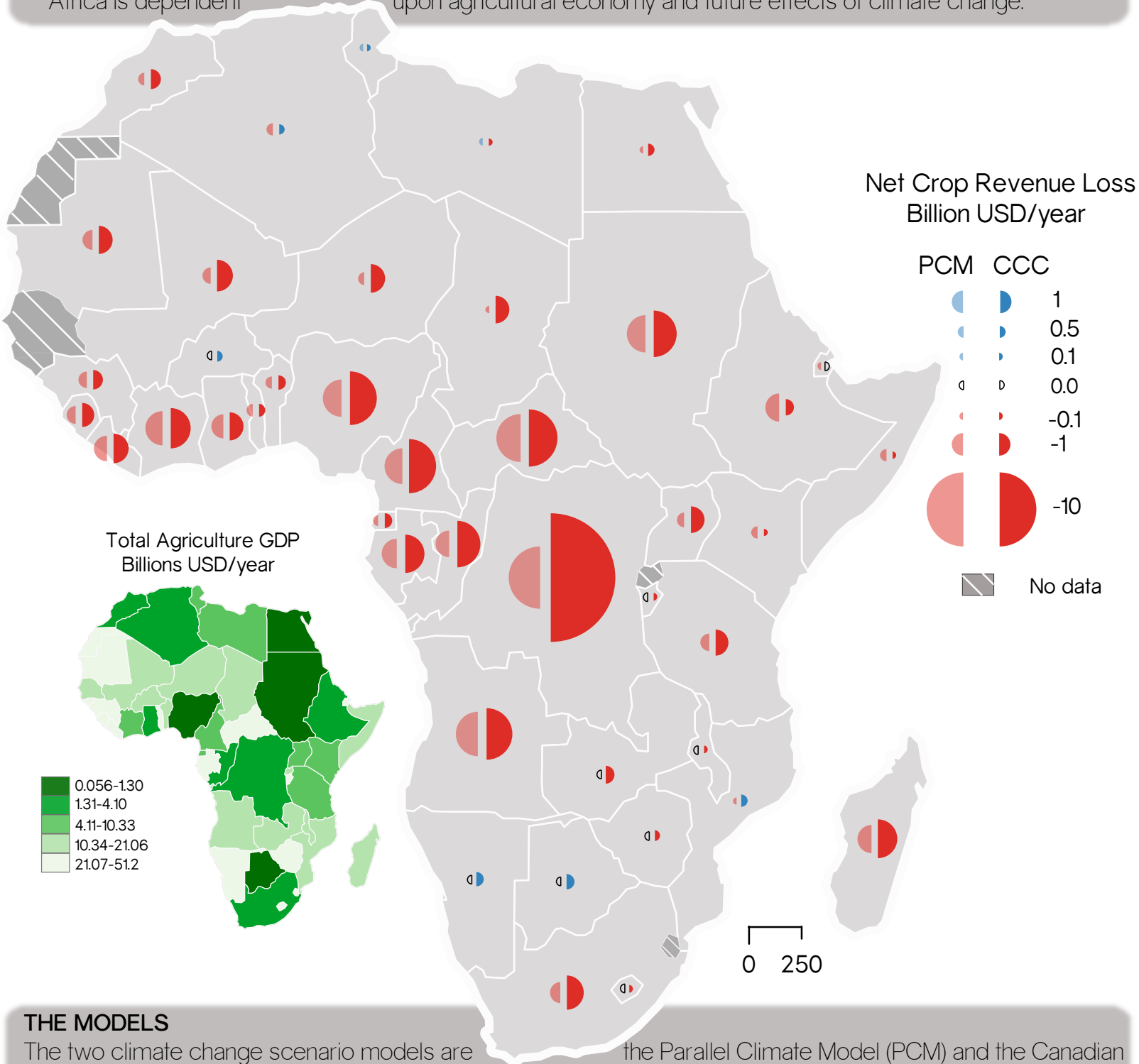


CLIMATE CHANGE: VULNERABILITY IN AFRICA (2001)

THE ISSUE

There is a growing urgency to understand the consequences of global climate change as more evidence accumulates about the detriments of greenhouse gases. Due to its hot and dry climate, Africa has been identified as one of the most vulnerable locations for future climate change. The livelihood of millions in Africa is dependent upon agricultural economy and future effects of climate change.



THE MODELS

The two climate change scenario models are the Parallel Climate Model (PCM) and the Canadian Climate Centre (CCC). These scenarios observe the effects of climate change predictions for **2100**. The PCM model expects a mild temperature increase of about **2°C**. The CCC model predicts a harsher warming of about **5°C**. The PCM scenario depicts a **\$39 billion** loss per year in crop revenue, which is about **14%** of current GDP. The impact of the CCC is a net crop revenue loss of **\$84 billion** per year, or **30%**. Central Africa, which currently has some of the highest GDP from agriculture, is the most harshly effected area in the continent.