



The Collaborative Adaptation Research Initiative in Africa and Asia

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Deltas in Times of Climate Change II
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Program Overview



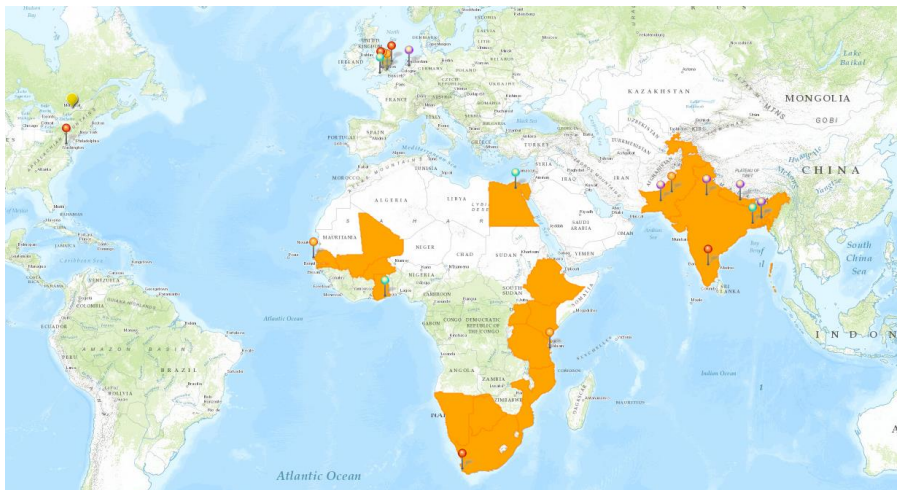
- Partnership with DFID
- \$70 million, ending 2019
- Builds upon *Climate Change Adaptation in Africa*



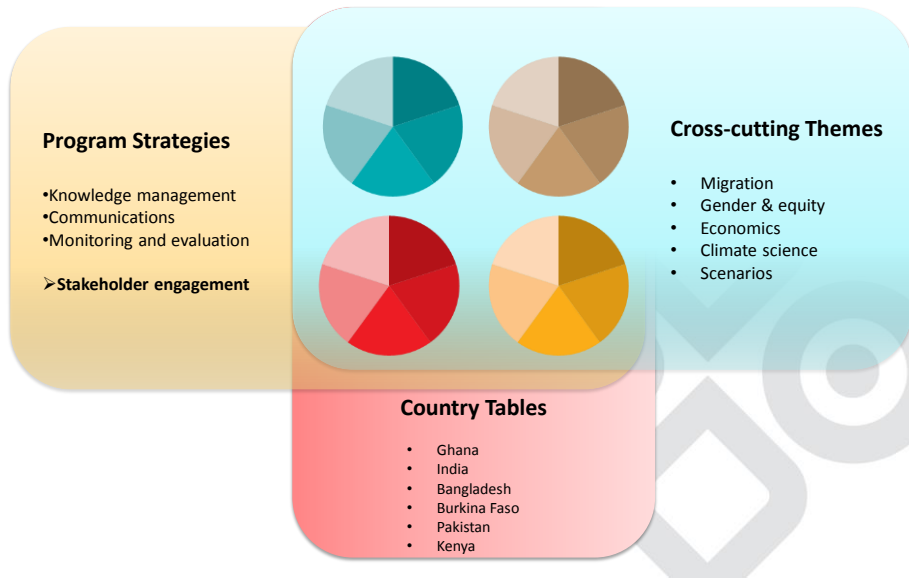
Hot Spot Approach



Consortium Model: 4 consortia, 20 main organizations with a strong South-North and South-South collaboration component



Collaborative Program Architecture



Deltas, Vulnerability & Climate Change: Migration and Adaptation

The figure consists of four satellite maps of river deltas, each with a red outline indicating the delta region:

- Ganges-Brahmaputra, Bangladesh/India
- Mahanadi, India
- Nile, Egypt
- Volta, Ghana

To the right of the maps is a large, dense crowd of people, likely representing a migration or displacement scenario.

- Risk of severe harm for large urban populations due to **inland flooding**.
- Hundreds of millions of people will be affected and displaced by **coastal flooding**.
- **Migration** to increase as an adaptation to climate change



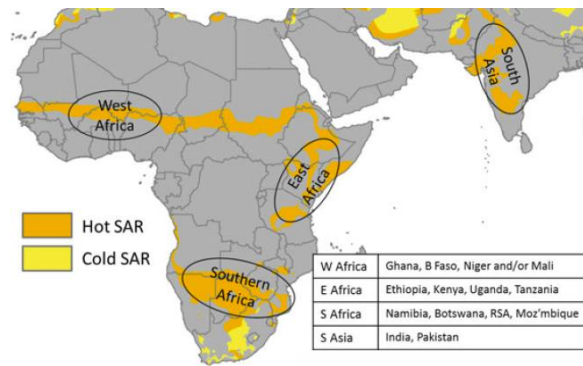
Himalayan Adaptation, Water & Resilience

- **210 million** people in Hindu Kush Himalaya region; **1.3 billion** people downstream
- Climate change will **reduce renewable surface water and groundwater** resources significantly, exacerbating competition for water among sectors
- Climate change impacts men and women differently, based on **gender norms**



Pathways to Resilience in Semi-Arid Economies

- Climate change impacts will **slow down economic growth and poverty reduction**, further erode food security, and trigger new poverty traps in semi-arid regions.
- Current **policy responses** for climate change mitigation or adaptation will result in mixed, and even detrimental, outcomes for marginalized people.



Adaptation at Scale in Semi-Arid Regions

- Adaptation to climate variability and change across Africa is reactive in response to **short-term motivations**.
- Individuals already adapt without policy and government support. **Barriers to adaptation across national to local scales** constrain adaptation.

We hope for:

- Collaboration with other initiatives in the 4 focus deltas
- Collaborations and cross-learning with other initiatives, working on other deltas



Thank you

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