

Climate change information for adapting to regional tipping points in southern Africa

- ♦ provide the first real regional projections of future climate change for southern Africa
- ♦ create and make available climate impact indices through a Climate Service Gateway

Coordinator

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Countries involved

Botswana, Namibia, South Africa & Zambia

Other partners involved

University of Botswana, Climate Service Center Germany, Friedrich Schiller University Jena, GOBABEB Namib Research Institute, Namibian University for Science and Technology, University of Zambia

Scope

TIPPECC will address the challenges of climate change, by providing the first real regional projections of future climate change for southern Africa.

Climate projections data will be downscaled to an 8 km resolution and provided for 10 climate models for three SSPs (Shared Socioeconomic Pathways), from 1961 to 2100, with daily outputs.

TIPPECC will also create climate impact indices: SPI drought index, Fire danger index. Other indices will be the THI thermal heat index, hydrological impact indices, food security impact indices, biodiversity, maize suitability index and arid rangeland indices.

All these indices will be made available through a Climate Service Gateway, a data portal to be created jointly with SASSCAL.

Capacity Development

- 4 Post doc students, 4 PhD, and 6 Master students

Products and Services

- ♦ Climate Service Gateway will make available various climate impact indices: SPI drought index, Fire danger index. Other indices will be the THI thermal heat index, hydrological impact indices, food impact indices, biodiversity, and arid rangeland indices

Climate Change



6 Master &
4 PhD
Students



Climate
Service
Gateway