



Future Resilience for African Cities and Lands (FRACTAL)

Learn more: [Building Resilience in Southern African Cities](#)

Local and regional climate information is essential for making informed decisions on sustainable urban planning and management of a city's energy and water resources.

[FRACTAL](#) creates opportunities for scientists and researchers to advance scientific knowledge about regional climate, and to connect with decision makers to integrate this knowledge into climate-sensitive decisions at the city scale.

The program focuses on eight Southern African cities – (Windhoek, Lusaka, and Maputo, Blantyre, Gaborone and Harare, Durban and Cape Town). FRACTAL is led by

the Climate System Analysis Group at the University of Cape Town in collaboration with many regional and international partners.

This program is highly participatory. For example, researchers are embedded in the working world and practices of the people shaping climate-related decisions. “Learning Lab” events engage decision-makers, practitioners and researchers to jointly frame climate-related challenges and identify solutions.

Since 2016, START has combined its Grants for Global Environmental Change Research in Africa program with FRACTAL to provide an “opportunities fund” promoting knowledge exchange and learning across the cities, and to award grants for cross-city research.

START awards grants to researchers affiliated with FRACTAL to conduct interdisciplinary research on topics related or complementary to the program.

FRACTAL is part of the [Future Climate for Africa initiative](#), a project funded by the UK Department of International Development (DFID) and the Natural Environment Research Council (NERC).