

Achievements

in Capacity Development

- by 2017, the number of **graduates** within the SASSCAL research projects amounted to
 - 64 BSc students
 - 78 MSc-students
 - 51 PhD-students

in Research

- SASSCAL funds a Research and Capacity Development portfolio of 88 projects in the thematic areas of agriculture, biodiversity, climate, forestry and water
- the scientific outputs include 100 peer-reviewed publications

Services and Products established

- the **Open Access Data Centre** (OADC) was established as a core facility for the delivery of user-demanded services and products
- to increase climate data availability, the **SASSCAL WeatherNet** was developed, and the installation of an additional 145 Automatic Weather Stations was financed
- other services include the **SASSCAL Information System** (SASSCAL IS) that provides more than 650 data sets of hydrological relevance, the **ObservationNet** that presents information on 45 long-term biodiversity observatories, the **RainfallApp** for rainfall data collection from participating partners, and the **GeoTool** for online visualisation and analysis of geodata

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SASSCAL



*promoting science for
sustainable development*

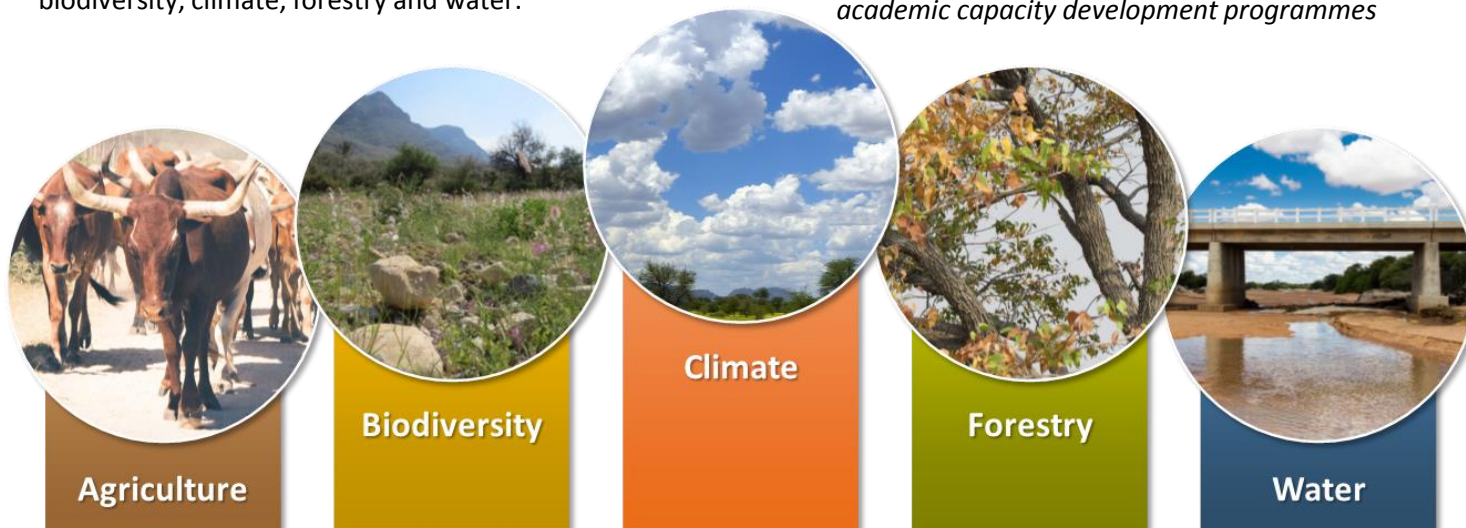


About SASSCAL

Angola, Botswana, Namibia, South Africa, Zambia and Germany established in 2010 the Southern African Science Service Centre for Climate Change and Adaptive Land Management (SASSCAL) in response to the challenges of global change. The partner countries followed the proposal of the Bali Action Plan of the UNFCCC (at COP13) to have a regional focus when addressing climate change, and complied with the endorsement by the African Union (8th Session, Addis Ababa) to develop fully operational regional climate centres in Africa.

SASSCAL is represented in the five African partner countries, Angola, Botswana, Namibia, South Africa and Zambia, with a Regional Secretariat in Windhoek, Namibia.

The German Federal Ministry of Education and Research (BMBF) provided seed funding and earmarked a total contribution of Euro 50 million, with an emphasis on research and capacity development in the five thematic areas: agriculture, biodiversity, climate, forestry and water.



Vision

To be a leading regional centre in integrated climate change and adaptive land management science services for improved quality of life in southern Africa.

Mission

To strengthen the regional capacity to generate and use scientific knowledge products and services for decision making on climate change and adaptive land management through research management, human capital development and services brokerage.

Objectives

- *to conduct research in adaptation to climate change and for sustainable land management*
- *to provide products, services and information for decision-making*
- *to contribute to the creation of a knowledge-based society through academic and non-academic capacity development programmes*



Value Proposition

Relevance

SASSCAL provides climate change data and information and services for decision making to reduce risk and improve livelihoods

Trans-/Interdisciplinary Research

SASSCAL promotes collaboration among scientists and stakeholders from different disciplines and sectors to ensure the implementation of innovative, integrated and divergent research approaches to mutual challenges

Regional Coverage

SASSCAL research addresses common climate change and land management issues beyond national borders recognising the flow of energy and ecosystems services thereby contributing markedly to regional integration and addressing cross-border challenges

Scientific Coverage

SASSCAL deals with a wide spectrum of thematic research areas, physical and human infrastructure and transnational mandates that make the institution an ideal conduit for the cost-effective and efficient channelling and managing of resources made available by external funding agencies

Institutional Cooperation and Partnerships

SASSCAL actively maintains a wide network of partner universities and research institutions as well as funding and service organisations