

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.

The objective of SASSCAL is to conduct problem-oriented research in the area of adaptation to climate change and sustainable land management, to provide evidence-based advice for decision-makers and to contribute to the creation of a knowledge-based society through academic and non-academic capacity development.

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.

SPONSORED BY THE



Federal Ministry
of Education
and Research



SASSCAL Regional Secretariat

Executive Director
Dr Jane Olwoch

executive_director@sasscal.org

28 Robert Mugabe Avenue
Windhoek

Namibia

Tel: +264-(0)-61-223-997

Director of Science & Technology /
Capacity Development

Dr Jörg Helmschrot

dstcd@sasscal.org

Director of Administration and
Finance

Chipo Chirefu Toto

director_finance@sasscal.org

General information:

info@sasscal.org

SASSCAL Governing Board

Zambia Chairperson

Mrs Jane Mubanga Chinkusu

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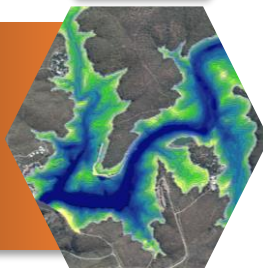
RESEARCH



CAPACITY
DEVELOPMENT



SERVICES &
PRODUCTS



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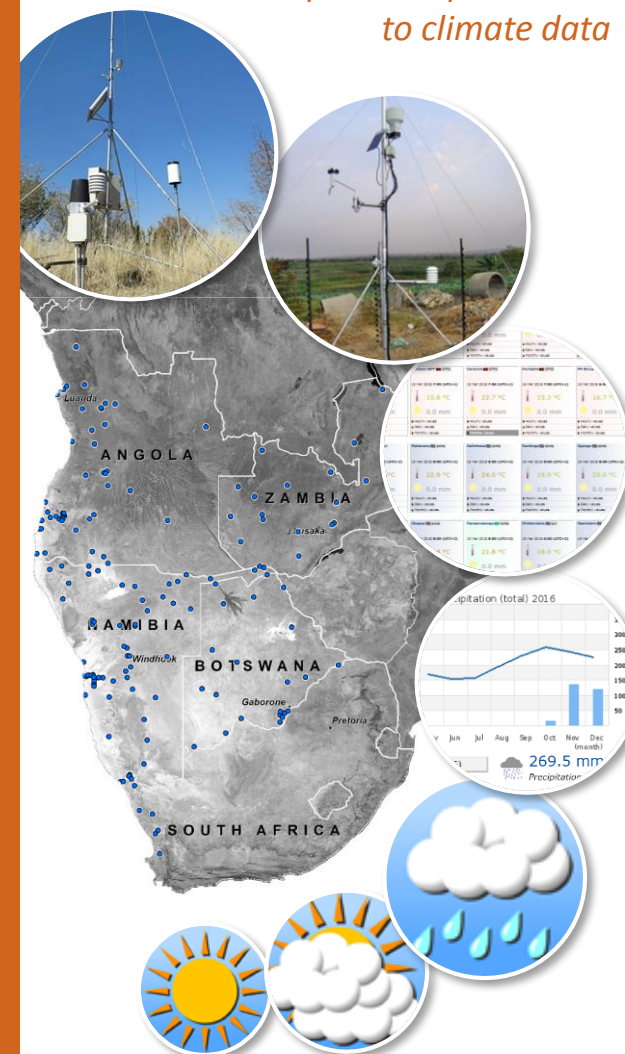
SASSCAL

SASSCAL

Southern African
Science Service Centre for
Climate Change and
Adaptive Land Management

SASSCAL WeatherNet

to improve climate monitoring
and provide open access
to climate data



Agriculture

Biodiversity

Climate

Forestry

Water

The SASSCAL WeatherNet provides easy and open access to climate information for over 150 Automatic Weather Stations (AWS) for southern Africa, about rainfall, air and soil temperature, humidity, wind speed and direction, barometric pressure, solar radiation, leaf wetness and other sensor data.

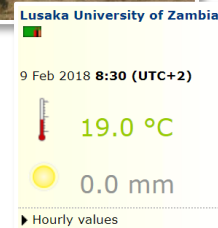
The SASSCAL WeatherNet can be accessed at:

WWW.SASSCALWEATHERNET.ORG

The SASSCAL WeatherNet provides near real-time weather data, as well as:

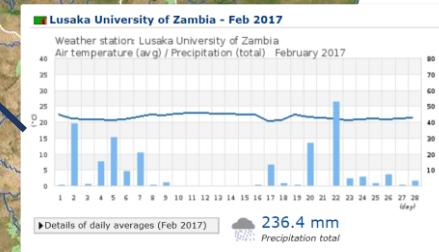
- Hourly, daily and monthly values
- Continuous time series, partly from 2010
- Export functionality as MS EXCEL files

Station Information	
Country:	Zambia
Latitude:	-15.39117
Longitude:	28.33204
Altitude:	1260 m (4134 ft)
Google Earth:	Weblink
Installed On:	10 Oct 2013
First Data:	10 Oct 2013
Logger No.:	856131



Date	Hour	Air Temp.	Soil Temp. 10cm	Precip.	Wind Speed	Wind Direct.	Wind Speed (max)	Humidity	Barom. Press.	Solar Irradiance	Solar Irradiance	Battery Voltage
		[°C]	[°C]	[mm]	[m/s]	[deg.]	[m/s]	[%]	[hPa]	[W/m²]	[MJ/m²]	[V]
December 2017 Wednesday	0:15	20.4	27.2	0.0	0.6	42	3.1	91.1	872	0.0	0.00	6.51
	0:30	20.3	27.1	0.0	1.5	40	3.8	92.3	872	0.0	0.00	6.51
	0:45	20.4	27.1	0.0	2.1	35	4.1	92.3	872	0.0	0.00	6.51
	1:00	20.3	27.1	0.0	2.3	23	4.2	93.7	872	0.0	0.00	6.51
	1:15	20.1	27.0	0.0	1.7	44	3.7	94.6	872	0.0	0.00	6.51
	1:30	20.0	27.0	0.0	1.2	42	3.2	95.4	872	0.0	0.00	6.51
	1:45	20.0	26.9	0.0	0.7	75	3.4	95.8	872	0.0	0.00	6.51
	2:00	19.9	26.9	0.0	0.2	227	1.7	96.1	872	0.0	0.00	6.51
	2:15	19.8	26.8	0.0	0.2	157	1.7	95.8	872	0.0	0.00	6.51
	2:30	19.8	26.8	0.0	0.4	194	2.8	96.3	872	0.0	0.00	6.43
	2:45	19.8	26.8	0.0	0.2	140	1.7					

Data can be provided in tabular and graphical format, as well as hourly, daily or monthly summaries



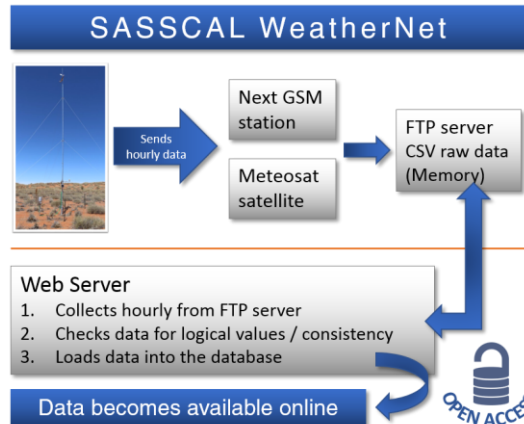
SASSCAL WeatherNet

154 Weather Stations

- ▲ Angola (45 Stations)
- ▲ Botswana (20 Stations)
- ▲ Namibia (58 Stations)
- ▲ South Africa (12 Stations)
- ▲ Zambia (19 Stations)
- Hydrobasins
- Protected area

Additional services provided by the WeatherNet

- data repositories and backups at national weather services and SASSCAL
- statistics and diagrams for selected variables
- e-mail-based daily weather report



The SASSCAL WeatherNet AWS transmit data via GSM/GPRS or Meteosat. The temporal resolution is either every 15 minutes or hourly. All data made available on the SASSCAL WeatherNet portal has been subjected to automated quality control. The SASSCAL WeatherNet data can also be accessed via the SASSCAL Data and Information Portal (data.sasscal.org).