

UNECA - ACPC SIDE EVENT GHACOF 49

Expert Group Meeting: Experience of SADC Climate Services Centre on data sharing

Dakar, Senegal
10 – 11 July 2018



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SADC Climate Services Centre,
Gaborone Botswana



Structure

- The SADC Region
- Climate Services Processes
- Climate Data Availability
- Climate data products
- Climate Data sharing challenges
- Current Interventions



The SADC Region



Climate Monitoring System PROCESS

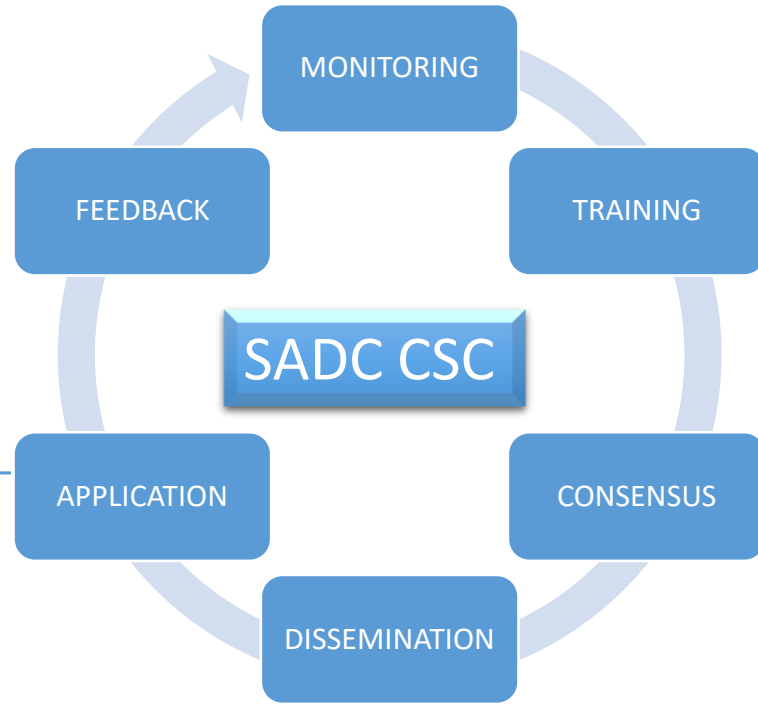
Major users
of climate services

AGRIFOOD SEC

WATER & ENER RES

DRR

HEALTH

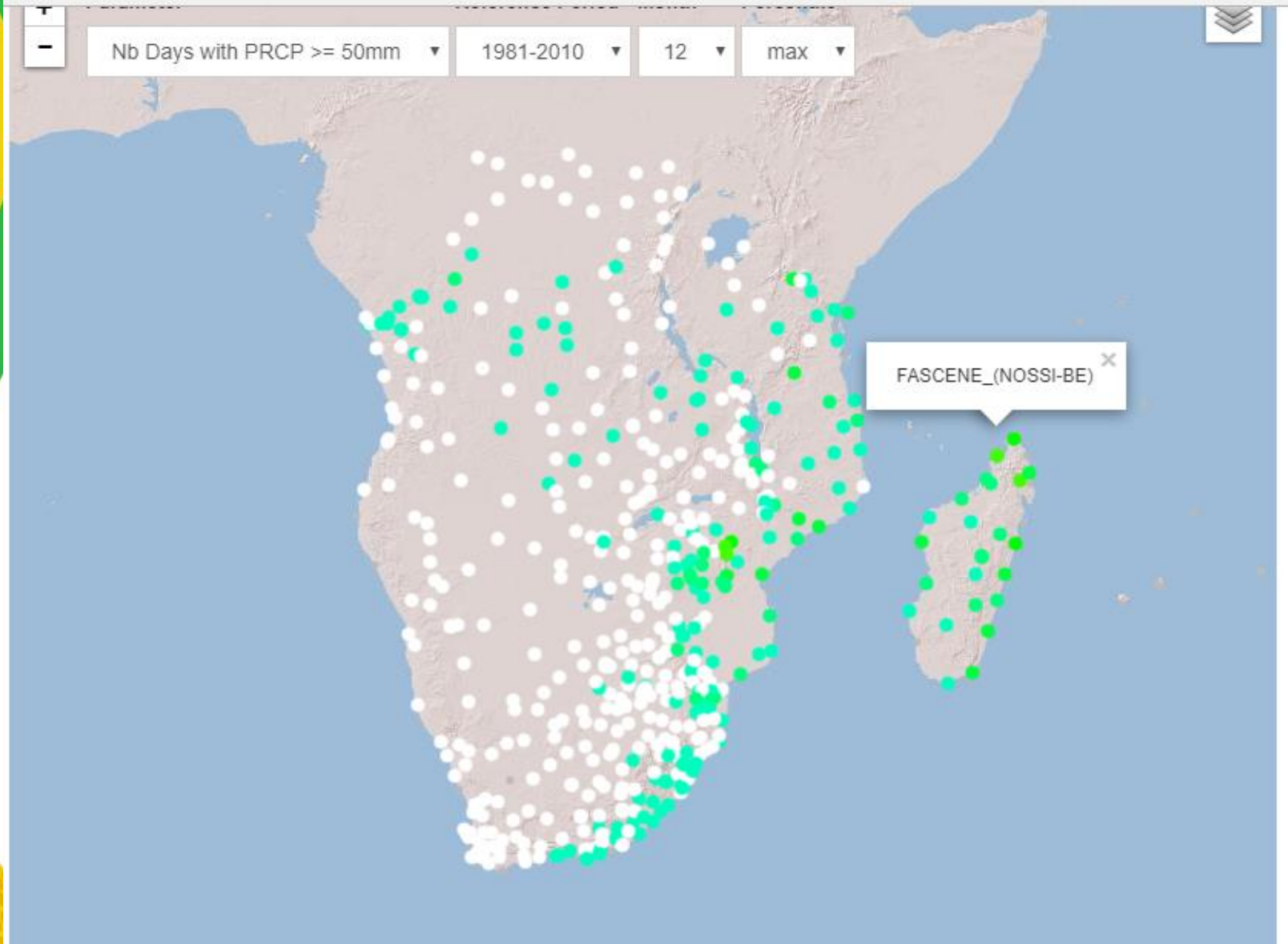


Climate Data Availability at CSC

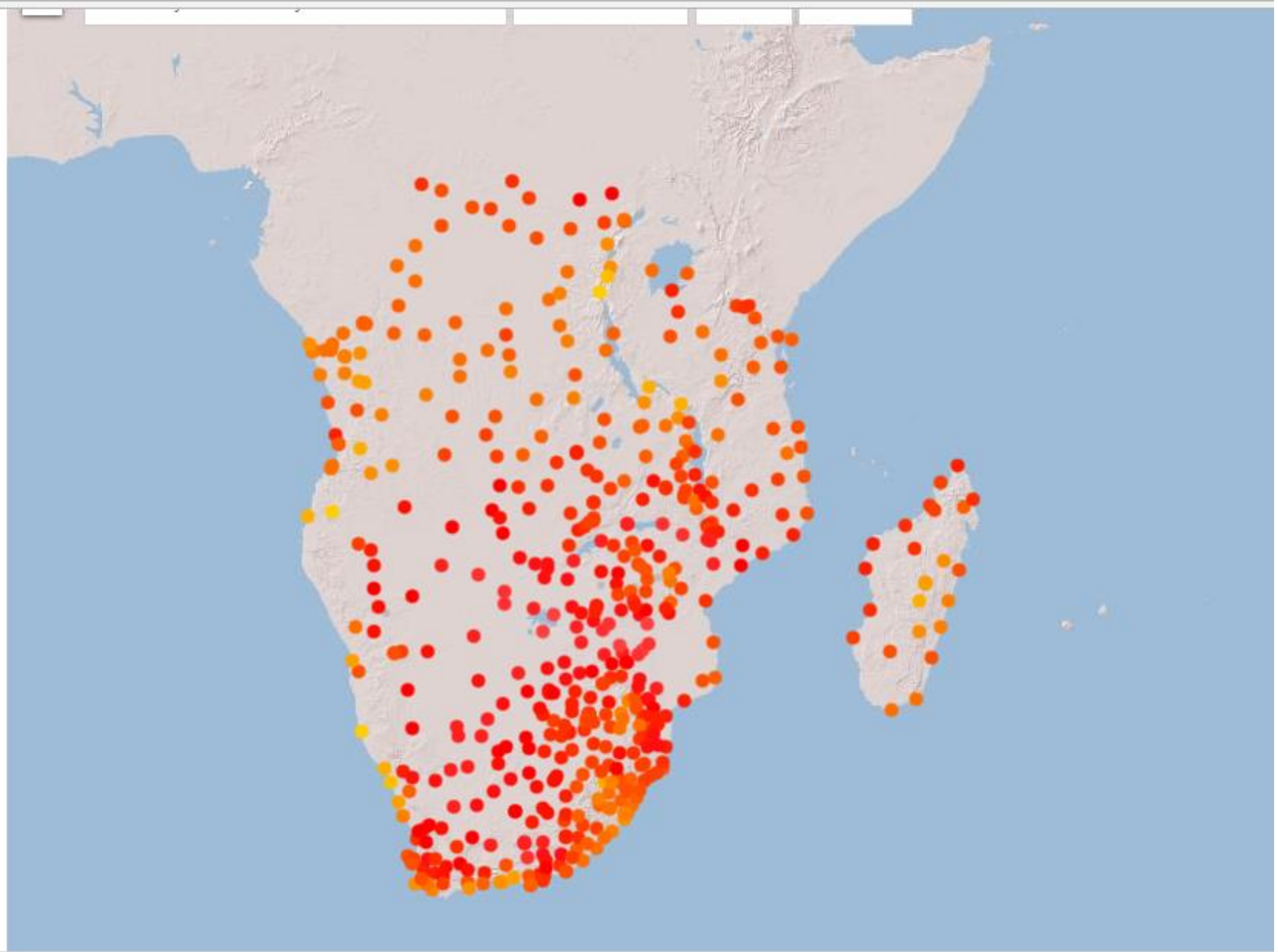
- Data is currently sourced from:
 - Member States for RCOF processes – Monthly data record
 - GTS data for daily averages but with lots of gaps and poor data quality
 - Satellite data from ARC and CHIRP



GTS - Climatological Network for SADC



Temperature Climatological Station Network



Climate Products currently produced

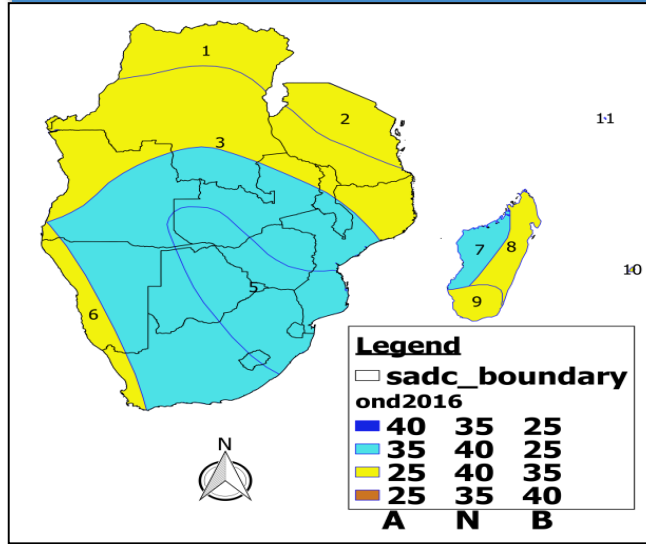
- RCOF Statement – Once a year
- Monthly Monitoring Bulletins
- Dekadal Watch Bulletins
- Extreme weather alerts bulletins
- Daily, Monthly and Seasonal online products
- Indices: Drought, Flooding risk..etc



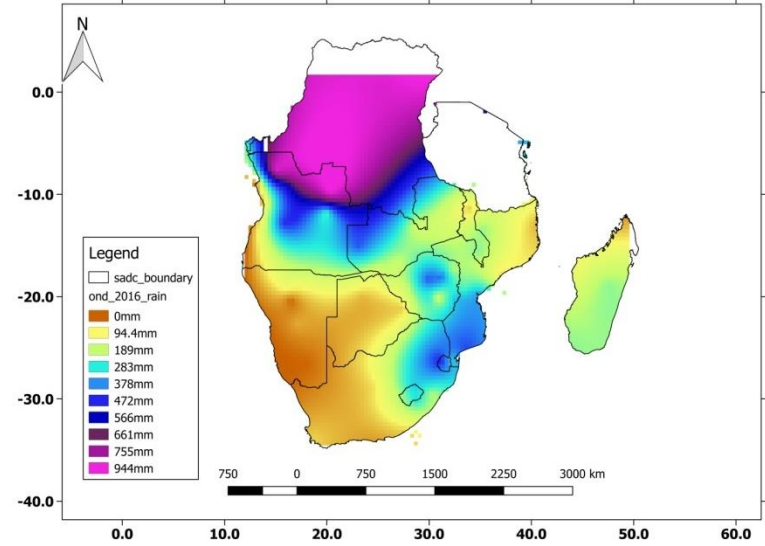
SADC OND 2016 VERIFICATION



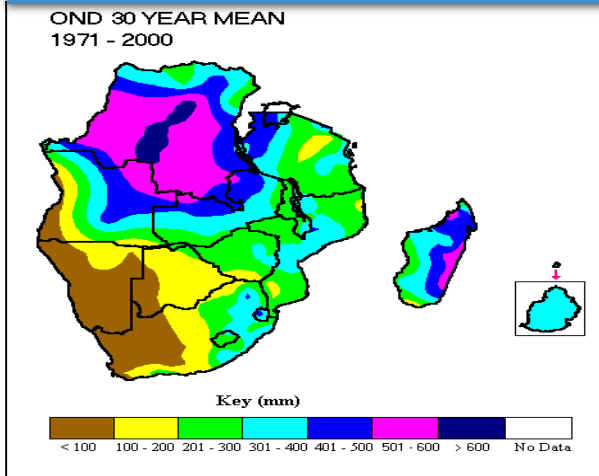
OND 2016 FORECAST



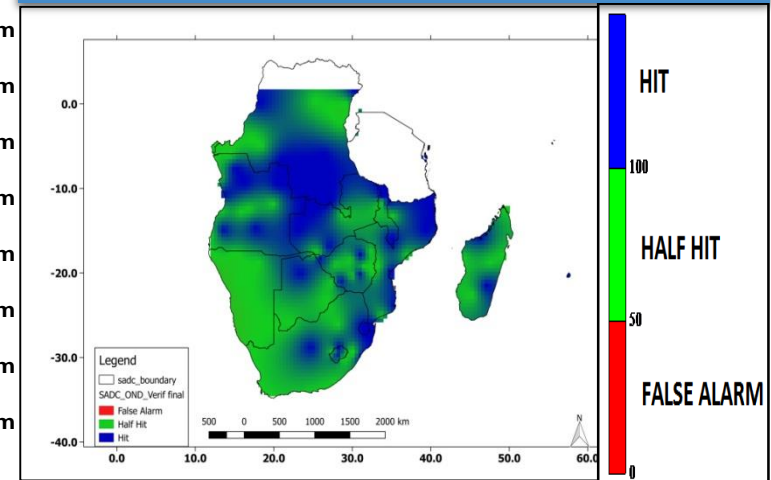
OND 2016 OBS



OND long-term average



OND 2016 VERIFICATION



SADC-CSC Alert Systems



Extreme Heat Alert



SADC-CSC

SYSTEM D'ALERTE DE TEMPERATURE EXTREME (SAT)

Numéro: 3 /2018

Date émission:

À LA UNE

Titre: Persistance des vagues de chaleur et des périodes de ci le nord et le sud de la région de la SADC pour la période du 24 au 29 janvier 2018

Des températures très élevées à extrêmement élevées ont été enregistrées dans la plupart des pays de la région de la SADC, spécialement dans les parties nord et sud, à savoir: le Botswana, la Namibie, l'Afrique du Sud, le nord de la RDC, le sud du Mozambique, l'est du Swaziland, le sud-ouest du Zimbabwe et le sud de la Zambie (Fig.1).



SADC-CSC

Tropical Cyclone Alert System (TCAS)

Issue Number: 01/ 2018

Release Date: 17/01/2018

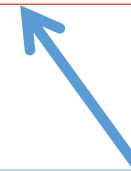
Highlights

Headline: Tropical Cyclone Berguitta strengthening northeast of Mauritius and Tropical Depression 4 weakening near Mozambique

Intense Tropical Cyclone Berguitta is located approximately 267 km east-northeast of Port Louis, Mauritius. Movement is toward the west-southwest at 8 km/h and maximum sustained winds are near 241 km/h, this week with damaging winds and heavy rainfall.

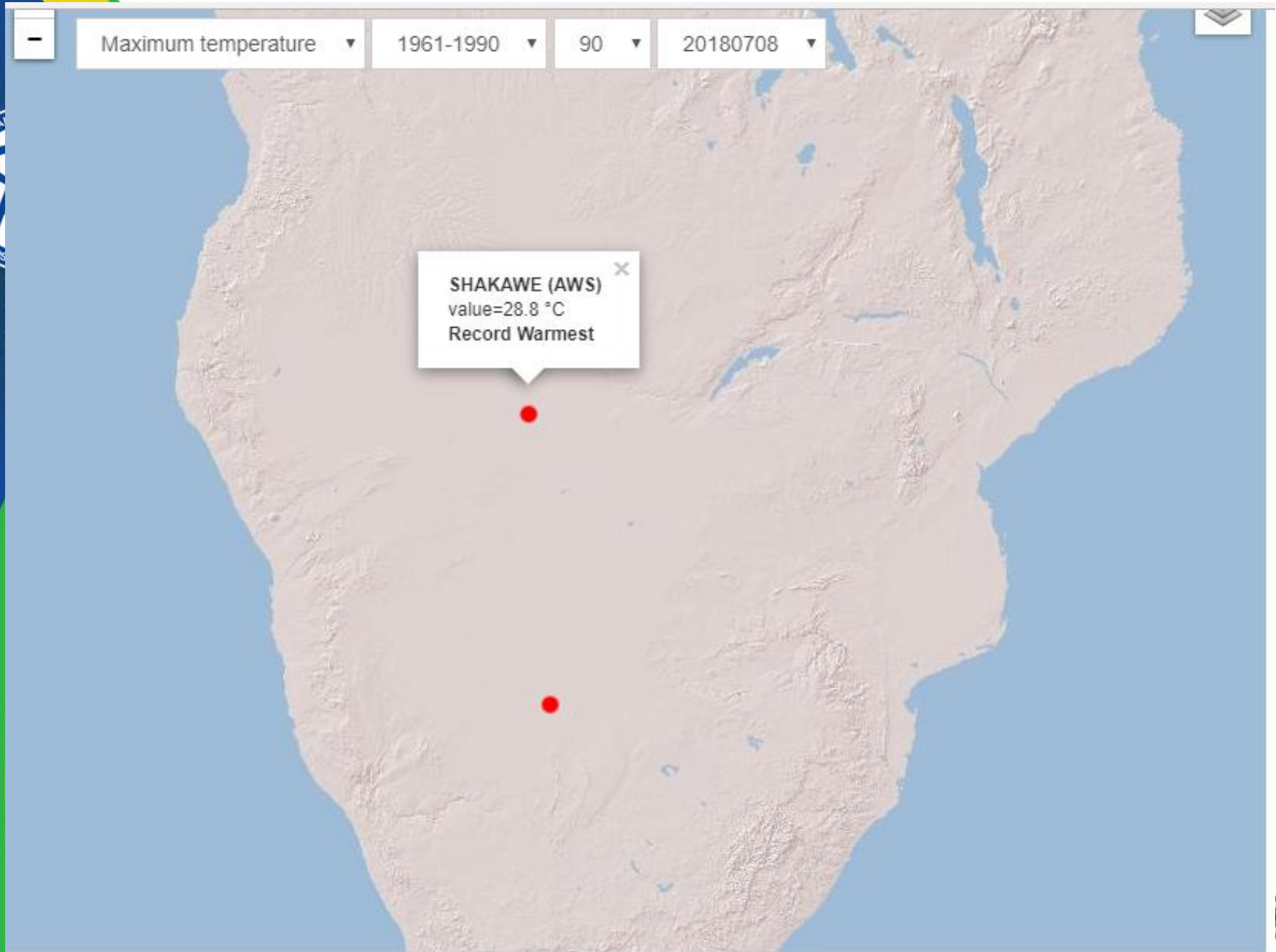
Warning Zone

Islands Mauritius and La Reunion



Tropical Cyclone Alert

Current Station Daily Products Online



Challenges

- Data flow was initialized and formalized when the Centre was established as a Drought Monitoring Centre
- No data flow from Member States on at the present moment
- Satellite data is readily available but it needs evaluation and correction using climate data from MS
- Data quality of open source data



Interventions

- ISACIP project procured 10 AWS which were installed in 10 MS
- 5 more will be funded through SAWIDRA
- Future projects will most likely procure more AWS



Current and future Opportunities

- SARCIS-DR
 - AMSS systems
 - HPCs
 - Data management systems
- ACP – EU Project
- Enter into MoUs with MS on data sharing
 - Use support from project as a trigger
 - Inter-country data sharing



Access to LRF data from Website

SADC Regional Climatic Services Center (RCC) website (or <http://csc.sadc.int>)



August, 17, 2017

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SADC Regional Climate Services Centre

Climate Monitoring
Climate conditions have been adequately measured and recorded for many years, making it possible to define what is "normal" and what is an "extreme" event for any part of the world.

Long-range Forecasting
Climate Early Warnings
Data Service
Climate Bulletins

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**THANK YOU FOR
YOUR ATTENTION**

Merci beau coup

