WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

Current status of operations of SARCOF

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WMO OMM
World Meteorological Organization
Organisation météorologique mondiale

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Outline

- *Background*
- *SARCOF Process*
- *Capacity development*
- *Users involvement*
- *SWOT analysis*
- *Way forwards*

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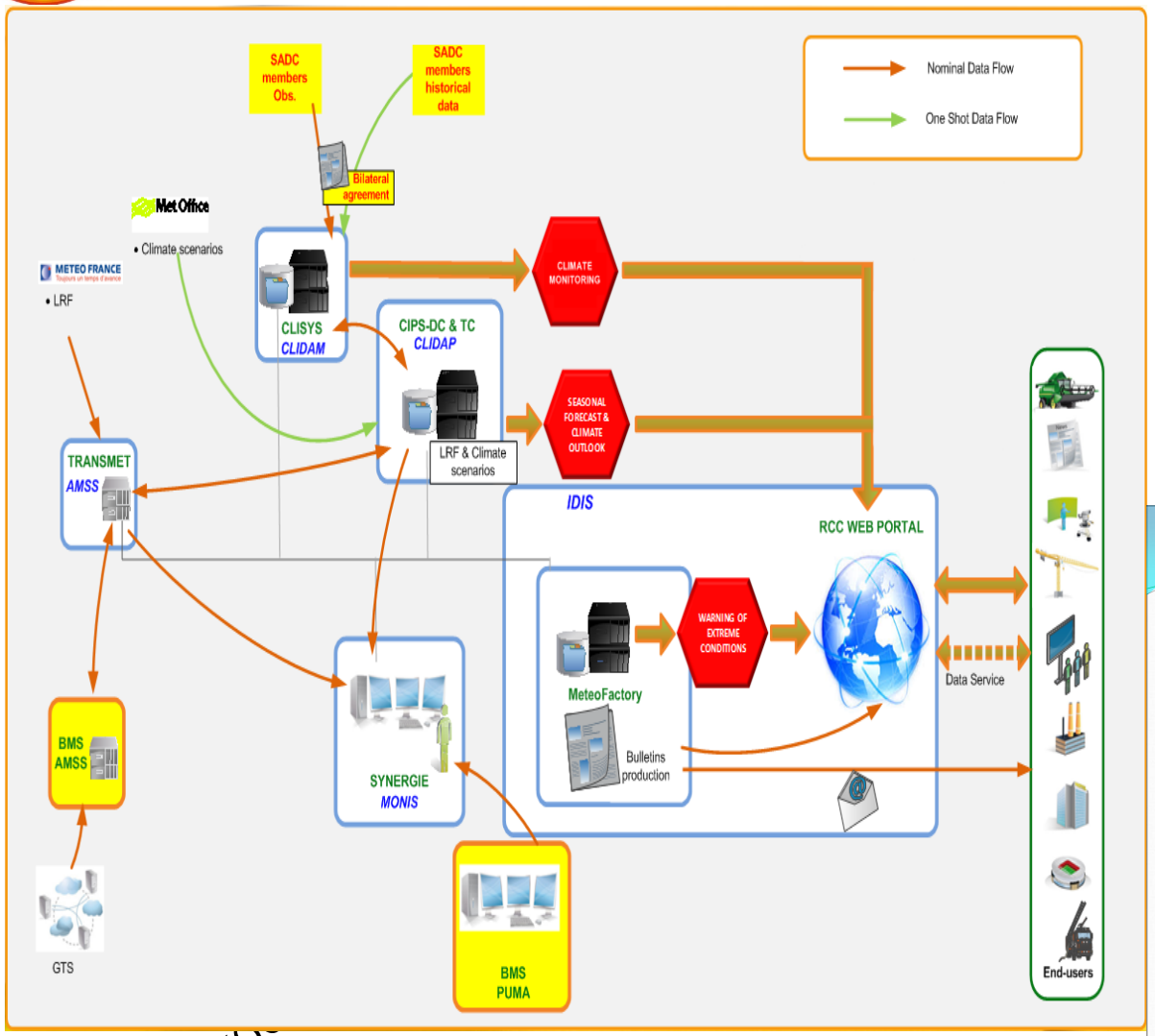
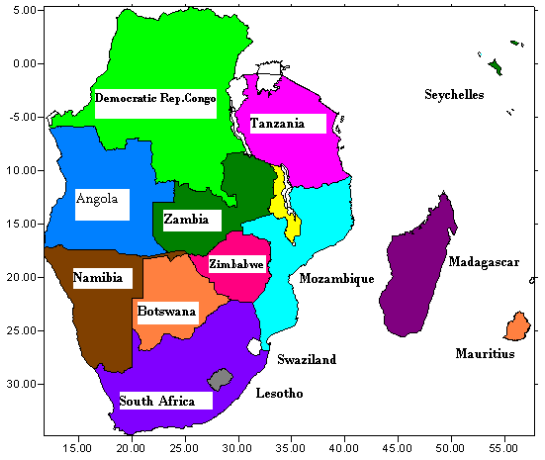
Background

SADC CSC TECHNICAL ARCHITECTURE



SADC Member States countries



Source of funding

WORLD METEOROLOGICAL ORGANIZATION

Food and Agriculture Organization of the United Nations

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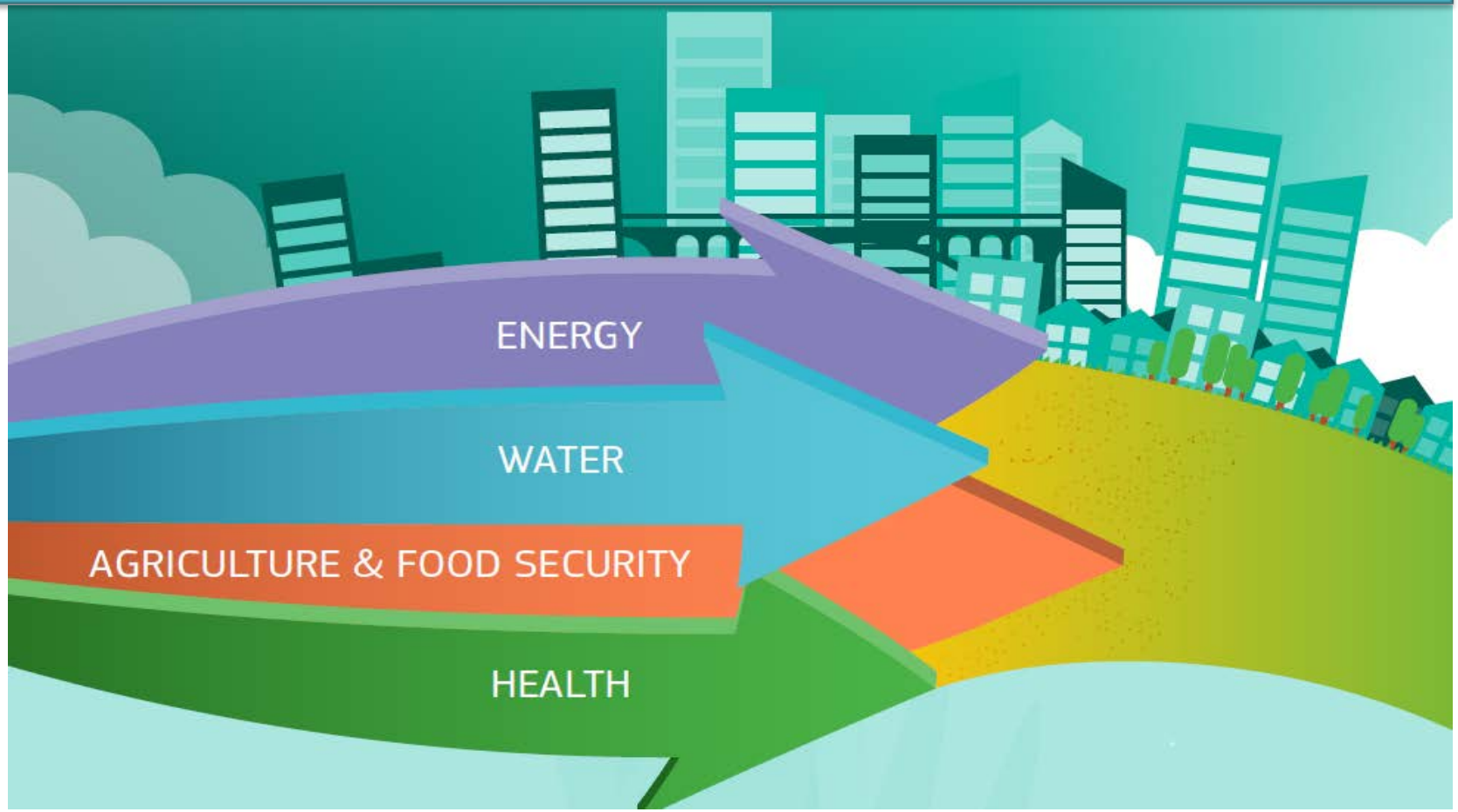
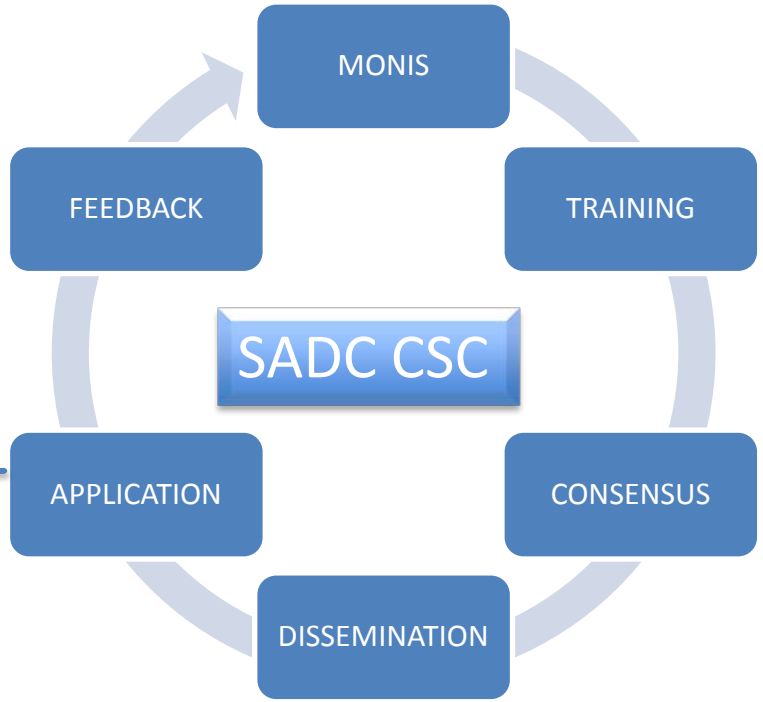
Potential applications of seasonal outlooks



II. SARCOF PROCESS

Potential applications of seasonal outlooks

- AGRIFOOD SEC
- WATER & ENER RES
- DRR
- HEALTH → MALOF



CAPACITY BUILDING WORKSHOP

CONSENSUS MEETING

UPDATE & MIDTERM REVIEW

Aug - Sept | **Sept** | **Dec**

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Consensus methodology

→ Statistical models used by NMHS seek for potential relationship between ocean variability ENSO, Atlantic, Indian and rainfalls. Look for any changes in the relationships between variables.

→ Prospect other sources of forecast from advanced centres;

→ Incorporate knowledge and experience on certain pattern observed in the past.

→ Explore statistical downscaling performances at sub-regional and national level by using existing GCMS hind-cast data and local dataset.

→ More weight is giving in to NMHS forecast which used local dataset in case of discrepancy of various outputs.

→ Drive by consensus the “best estimate” of the forecast from various forecast sources : dynamical (GCMs), Statistical, Analog, others.

→ Address probability forecast with consensus by giving weight to regional statistical outputs

Trend of Hit Rate vs FAR

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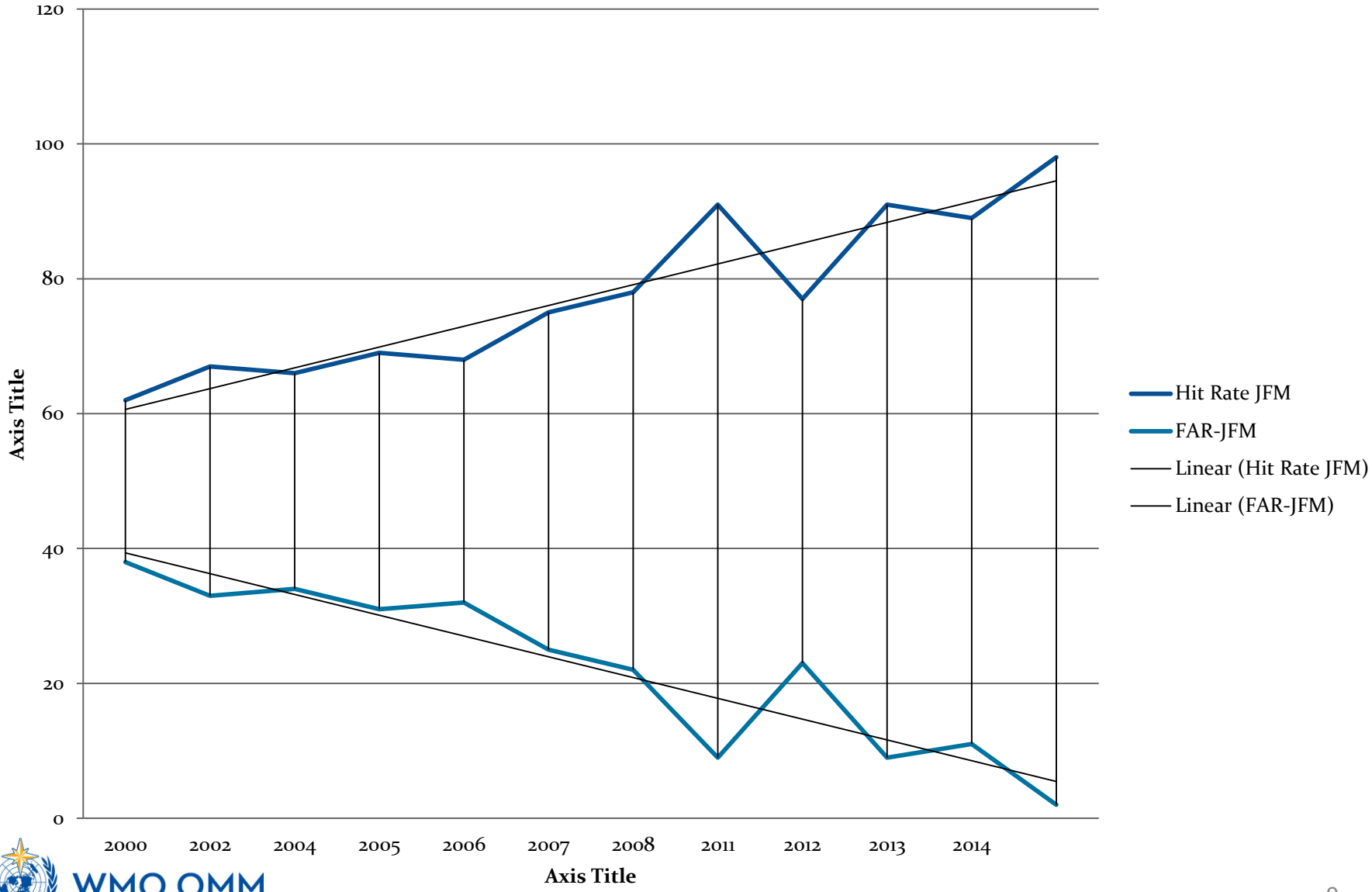
Trend of Hit Rate vs False Alarm



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III. Capacity Development activities

- The annual training programme is mostly focused on the seasonal forecast system prior to the consensus building;
- The attachment programme used to respond to the capacity development needs in NMHSs.

IV. User Involvement

SARCOF used to collect users 'feedback, but the response to the needs is not sufficient due to lack of manpower to perform more analysis as requested by users.

V. SWOT analysis

Strengths	***Weaknesses***
SADC CSC Acquired High Tech equipment	Manpower deficit to run equipment
Council of Ministers meeting just approved CSC request for more permanent staff	SADC admin requirement turnaround time for implementation of decision.
Opportunities	***Threats***
SADCNMHS and user sectors very keen to develop sustainable SARCOF services	Data collection and sharing process
ICP interested to support CSC (WB, AfDB, ACP-EU)	High frequency and duration of power cut on HPC operations

VI. Way Forward

SADC CSC Strategy to improve Climate Services

Three main blocks:

WP1: understand

- Users needs and current use of climate services (LRF)
- Sector specific vulnerability response

WP2: improve

- Decision-relevant scales: downscaling products from others models
- Decision-relevant parameters: impact models for the 4 pillars

WP3: engage and demonstrate

- Climate service prototypes
- Delivery and engagement

Tool and Services Development

E.g.

- Streamline seasonal forecast process (GeoCof, CPT,…)
- Users friendly Tools on downscaling
- Climate Services application tools

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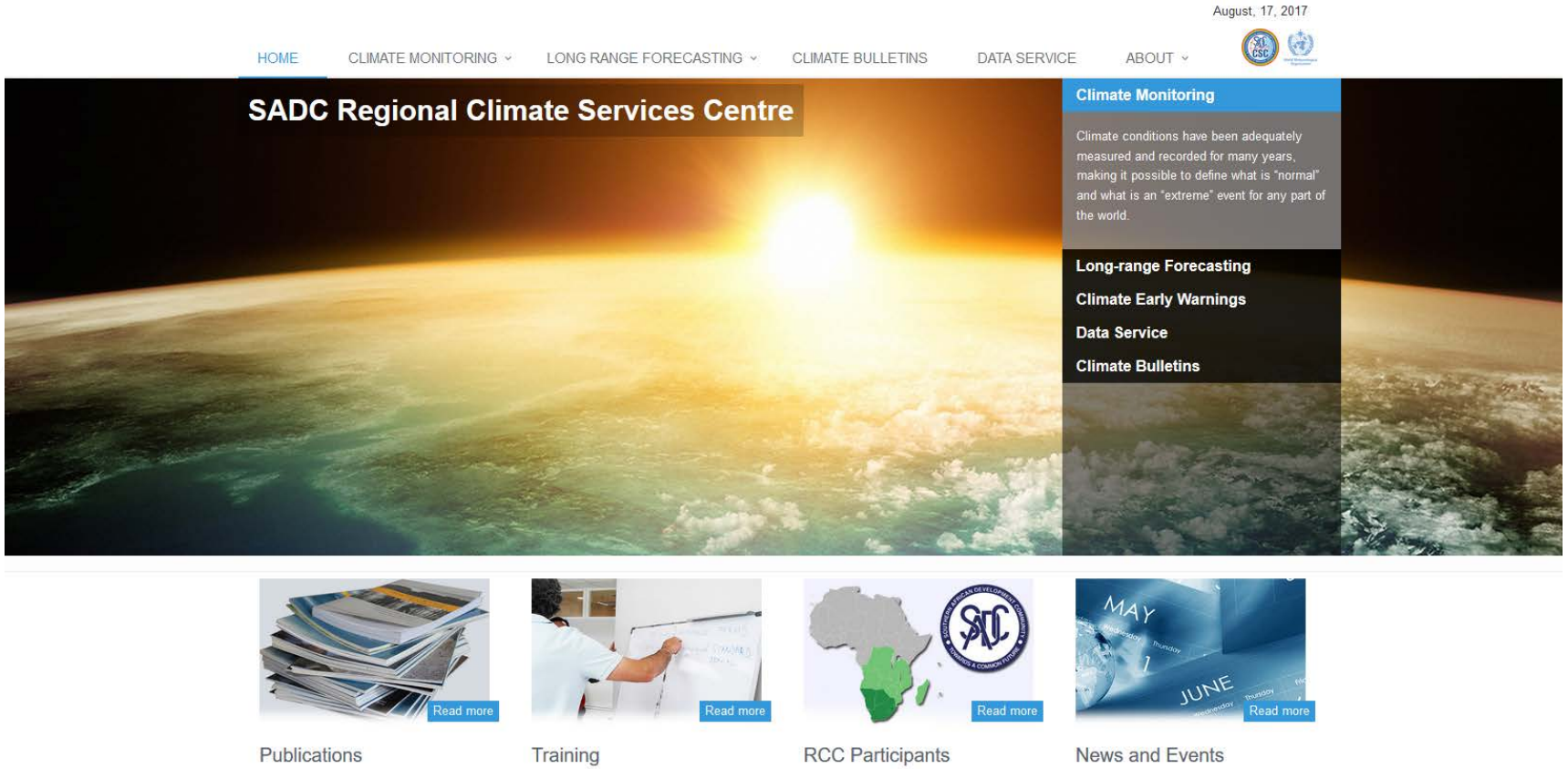
Access to LRF data from Website

SADC Regional Climatic Services Center (RCC) website

Within the LAN: http://192.168.203.4/en/

Public access: http://168.167.91.75/en/ (or http://rcc.mesasadc.org)



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Thank you
Merci

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