

# Role of ACMAD in the implementation of climate service in Africa

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## AFRICAN CENTRE OF METEOROLOGICAL APPLICATIONS FOR DEVELOPMENT



**A brief overview**

### VISION

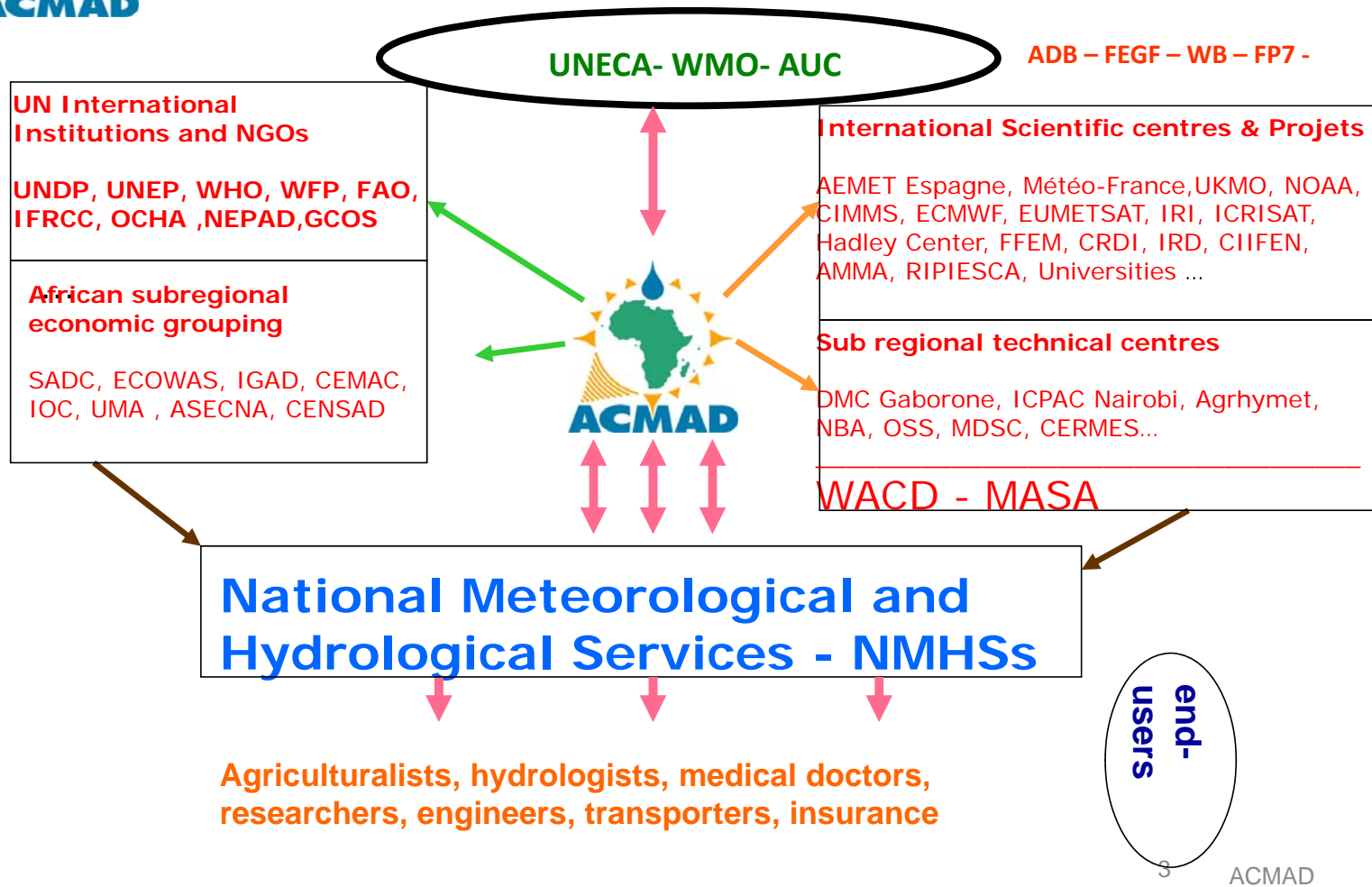
Making Weather, Climate  
and Environment  
resources for  
Sustainable development

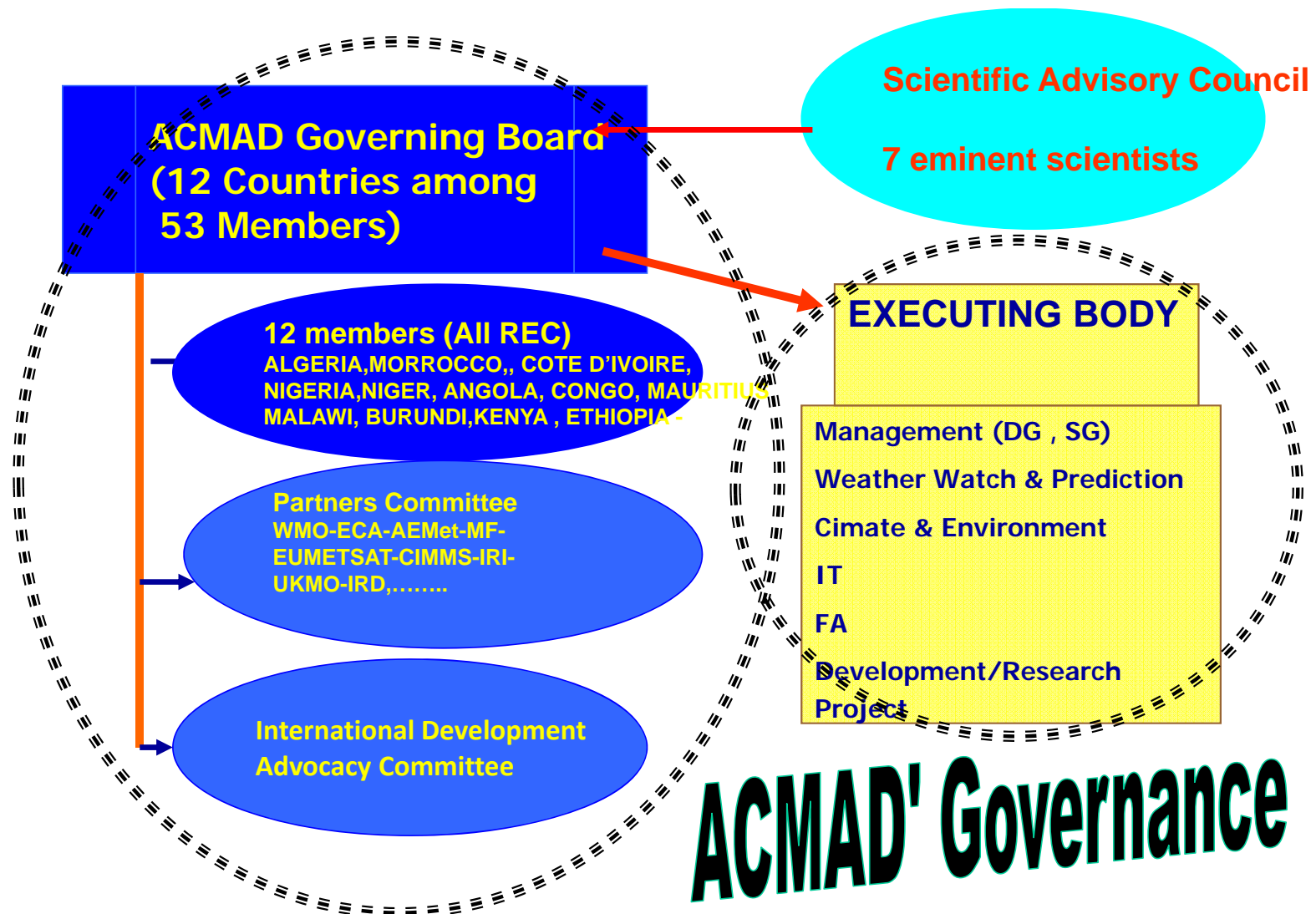
### ACMAD

- 1) Created in 1987 by the UN ECA & WMO
- 2) Established in Niamey – NIGER since 1992.
- 3) Its mandate covers the 54 African States.
- 4) Run by a team of experts representing all sub regions



## PARTNERSHIP AT THE HEART OF APPLICATIONS





# ACMAD Mission

- Main mission is to provide reliable weather and climate information and for the promotion of sustainable development in Africa within the context of national strategies for poverty eradication in productive sectors that include agriculture, water resources, health, public safety and renewable energy.
- The Centre is also tasked to carry out capacity development for its Member State's National Meteorological and Hydrological Services (NMHSs) in weather prediction, climate monitoring, Information technology, research and transfer of technology

# How functional?

**Global Producing Centres**



**Continental**



**Regional**



**National**

## WMO Global Producing Centres



- **Beijing:** China Meteorological Administration (CMA) / Beijing Climate Center (BCC)
- **CPTEC:** Center for Weather Forecasting and Climate Research / National Institute for Space Research (INPE), Brazil
- **ECMWF:** European Centre for Medium-Range Weather Forecasts
- **Exeter:** Met Office, United Kingdom
- **Melbourne:** Bureau of Meteorology (BOM), Australia
- **Montreal:** Meteorological Service of Canada (MSC)
- **Moscow:** Hydrometeorological Centre of Russia
- **Offenbach:** Deutscher Wetterdienst  
Wetter und Klima aus einer Hand
- **Moscow:** Hydrometeorological Centre of Russia
- **Pretoria:** South African Weather Services (SAWS)
- **Seoul:** Korea Meteorological Administration (KMA)
- **Tokyo:** Japan Meteorological Agency (JMA) / Tokyo Climate Center (TCC)
- **Toulouse:** Météo-France
- **Washington:** Climate Prediction Center (CPC) / National Oceanic and Atmospheric Administration (NOAA), United States of America

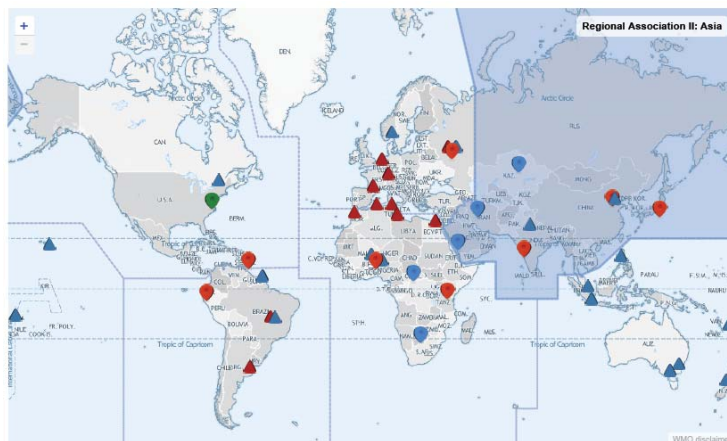


Source: WMO LC-LRFMME

# Regional Climate Centres (RCCs)

RCCs provide regional climate products in support of regional and national climate activities

Two modes of implementation: fully self-contained RCCs (multi-functional) or distributed-function RCC-Networks



## Legend

- designated RCC
- RCC in demonstration phase
- RCC proposed
- designated RCC-Network
- RCC-Network in demonstration phase
- RCC-Network proposed

<http://www.wmo.int/pages/prog/wcp/wcasp/rcc/rcc.php>



# RCCs and Africa

- RA-1 Sixteenth Session, Resolution 7 (RA 1-16)
  - RCC Africa – hosted by ACMAD
  - RCC IGAD – hosted by ICPAC
  - RCC SADC – hosted by SADC-CSC
  - RCC ECCAS – hosted by ECPAC
  - RCC-Network ECOWAS???:/RCC ECOWAS – hosted by AGRHYMET
  - RCC-Network-Northern Africa

# RCC Africa

- 2012 – Started demonstration phase (see <http://acmad.net/rcc/>)
- September 2014 – evaluation and recommendation by CBS extraordinary session in Asuncion- Paraguay for formal designation of ACMAD as WMO RCC including relevant amendment to the WMO GDPFS manual.
- May/June 2015 – 17<sup>th</sup> Session of the WMO Congress (Cg-17) in Geneva, Switzerland endorsed ACMAD as Pan-African RCC.
- ACMAD performs the RCC mandatory functions and some highly recommended functions

# Expected Roles

- GPCs
  - Generate global data and products and make them available to regional and national organizations for post-processing (downscaling, interpretation and application)
- RCCs
  - Post-process data received from GPCs – interpret to provide guidance and value-added products and data for use by NMHSs.

# ACMAD's Role (1)

- Postprocessing climate information from GPCs for application over the continent
- RCC functions – climate monitoring, Long Range Forecasting, Data services, training, research and development
- Current Product type,
  - Technical Note (for meteorologists/climate experts)
  - Bulletins (for experts in other fields. For example, agriculture and food security, water resources, energy, health, DRR)
  - Policy briefs (for policy and decision makers)
- ACMAD initially focused on Disaster Risk Management (MESA, USAID GFCS Sahel Resilience, SAWIDRA Projects)
- ACMAD is expanding beyond DRM with the upcoming Intra ACP GFCS project

## ACMAD's Role (2)

- Monitoring of Environment and Security in Africa (MESA) Project
  - <http://www.acmad-au.org/products-services/climate-change-assessment/statement-and-policy/> and
  - <http://www.acmad-au.org/products-services/drought-services-seasonal-climate-forecast/statement-and-policy/>).
- Target Groups
  - Technical units in AUC, UN and other humanitarian/DRM organizations in Africa
- Final beneficiaries included
  - The African Group of Negotiators on Climate Change (AGN)
  - The African Regional Platform for DRR and its Working Group

## ACMAD's Role (3)

- AUC and its partners on the Programme for Infrastructure Development in Africa (PIDA)
- UNOCHA contingency planning meeting in West Africa
- Drought Insurance in Africa by the Africa Risk Capacity Agency
- Contributed to Implementation of GFCS User Interface Platform

# Intra ACP GFCS sectors

- Disaster Risk Reduction
- Health
- Agriculture

## Intra ACP GFCS sectors

- Climate Monitoring and Seasonal Forecast Service
- Climate Change Assessment Service
- Development Service



Thank you for your attention  
Merci pour votre attention