

Integrated African Strategy on Weather and Climate Services

Status and Way Forward

24 September 2018

EUMETSAT User Forum

Abidjan, Cote d'Ivoire



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World Meteorological Organization
Organisation météorologique mondiale

Dr. Joseph R. Mukabana
Director, Regional Offices for Africa
and Least Developed Countries
and AMCOMET Secretariat

Presentation Summary

- ❑ Achievements against the Strategy since 2012;
- ❑ The rationale and methodology for the update of the Strategy;
- ❑ Adapting the 5 strategic pillars;
- ❑ Key added elements;
- ❑ Proposed Logframe and Indicators;
- ❑ Recommendations by the consultant.



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Achievements Since 2012



- ❑ Developed the endorsed Implementation and Resource Mobilization Plan;
- ❑ Co-developed the Climate Research for Development (CR4D) CR4D 5-year Strategic Plan. CR4D is a collaborative pan-African platform that mobilizes expertise and resources to facilitate user-inspired climate research to inform policy - AMCOMET is part of the Oversight Body;
- ❑ Establishment of the Climate Application and Prediction Center of Central Africa (CAPC-CA), hosted in Douala, Cameroun;
- ❑ Developed Concept Note for Africa Met Day (to be endorsed at AMCOMET-4);
- ❑ AU Validated National Strategic Plan (NSP) Template and Guide (used in 14 countries; a Case Study in progress); template is shared with WB and MO for use.



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Weather and Climate Information Services for Africa



DFID Department for
International
Development
UKaid
from the Department for
International Development

Achievements since 2012



- ❑ Completed 10 National Strategic Plans (NSPs) for: Kenya, Uganda, Tanzania, Rwanda, Burundi, Guinea Bissau, Somalia, Central African Republic (CAR), Benin and Senegal;
- ❑ Developed Capacity Needs Assessment for ICPAC, AGRHYMET and ACMAD;
- ❑ In 2017 - secured 14.6M CHF for implementation of Projects (HIGHWAY Project for the establishment of Regional EWS in Lake Victoria Basin, AMDAR-Kenya and GFCS in ACP regions);
- ❑ Organized AMCOMET-Africa Hydromet Forum (12-15 Sept 2017 in Addis Ababa, Ethiopia) – which firmly positioned the AMCOMET as the **continental coordination platform for all matters related to weather, water and climate**; not just within the meteorological community but also from **important technical and development partners**;



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The Rationale for the update



- ◆ The Integrated African Strategy on Meteorology (Weather and Climate Services) expired in October 2017; 5 years after it was approved in 2012;
- ◆ Following consultations with the African Union Commission (AUC) on the approach to take to update the Strategy, the following issues were agreed upon:
 - ✧ Strategy should be updated and renamed to the *Integrated African Strategy on Weather and Climate Services (Meteorology)*;
 - ✧ Strategy should include emerging issues such as: Gender Equality, Public Private Partnership (PPP), Water Resources, African Space Programme, AU priorities, big data, Copernicus/Big Data/GMES&Africa and emerging technologies such as Meteosat Second Generation (MTG) satellite ground receiving stations for NMHSs in RAI (Africa), etc.
 - ✧ Strategy can also be fine-tuned as needed.

The Methodology of the update



- ◆ AMCOMET Secretariat contracted a Consultant to collect all inputs from the experts at the WMO Secretariat and from other stakeholders;
- ◆ The current strategy was shared with relevant stakeholders during July - August for inputs. 15 contributors were able to input their proposed changes/updates/corrections/comments;
- ◆ During this time, the Consultant gathered other comments directly by email and/or face-to-face meetings at the WMO Secretariat (the last one was on 29th August)
- ◆ Early September 2018, the first draft of the Updated Strategy was submitted to stakeholders who had not yet provided inputs and to the AMCOMET Bureau Members for their comments;

Adapting the 5 Strategic Pillars



Increase Political Support and Recognition for the NMHSs and the WMO Regional Climate Centers



Enhance Capacities for the Production and Delivery of tailored Weather & Climate Services for Sustainable Development



Improve the quality of Meteorological information and knowledge sharing in Aviation and Marine Sectors



Ensure and Support the provision of Weather and Climate Services for Climate Change Adaptation and Mitigation



Strengthen Partnerships with Relevant Institutions and Funding Mechanisms



Expected Outcomes

- ❑ Increased recognition of the role of NMHSs at the political level; particularly in policy formulation on climate change adaptation, DRR, and resilience building;
- ❑ **Accelerated implementation of the WMO Gender Action Plan, for the delineation of gender-based climate services (*New addition*);**
- ❑ Improved climate risk management for the protection of life and property through improved EWS to reduce Loss and Damage;
- ❑ Increased safety of transport on land, water and air;
- ❑ Enhanced quality of life through resilience-building to adverse impacts of Climate Change;
- ❑ Enhanced cooperation among African countries on Weather and Climate related issues.



The NEW Key Elements

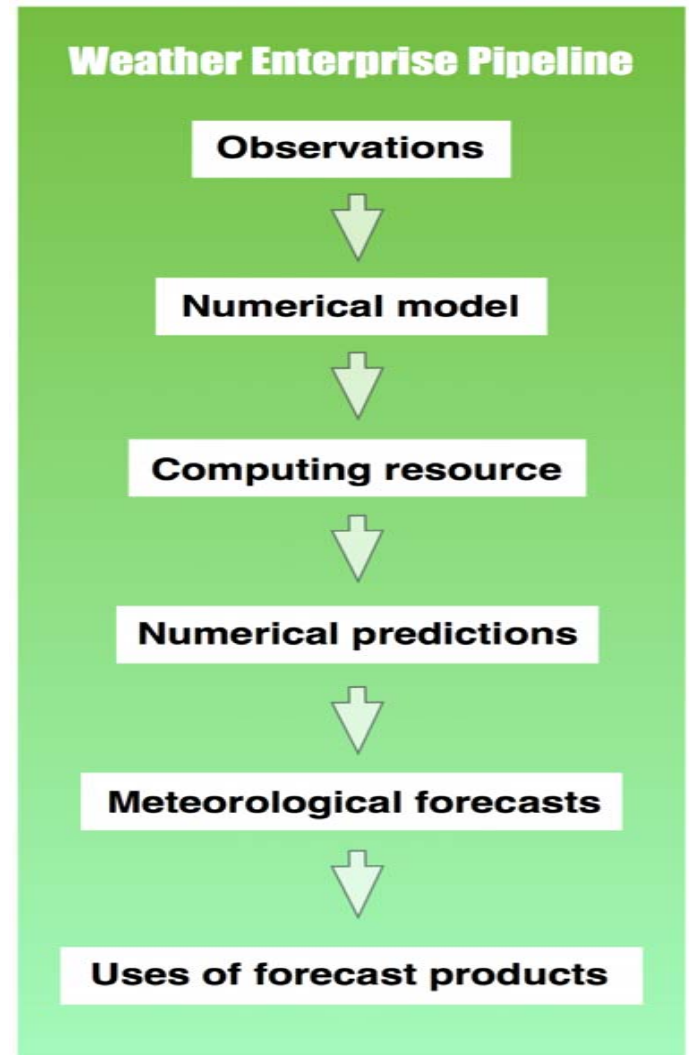


1. The paradigm shift to the « *Weather Enterprise* » *concept*, with highlight on *public private partnerships (PPP)* and which considers weather as *a Business*;
2. New technologies (AU African Space programme, Big Data/Copernicus/GMES&Africa, cloud computing, new Meteosat Third Generation (MTG) satellites , etc)
3. Be Modern, be Gender Sensitive concept!
4. Hydro/Met : The Absolute Couple;
5. The GFCS existing tool: - The National Framework for Climate Services (NFCS), which enhances production and use of the Climate Information Services (CIS)



1. The «Weather Enterprise»

- A well-established and successful global public-private partnership (PPP) with NMHSs in which both partners share common goals.
- There are new opportunities emerging to develop this partnership further that will enable the whole weather enterprise to grow and produce more accurate and reliable weather forecasts.
- The urgency to do this comes from the need to be even more effective in reducing Loss and Damage through saving lives and protecting the build-infrastructure (roads, bridges, railways, etc) because of vulnerability to weather hazards in a changing climate.



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SOURCE: <https://public.wmo.int/en/resources/bulletin/weather-enterprise-global-public-private-partnership>

2. New technologies!

- *African Space Policy towards social, political and economic integration;*
- *Cloud computing;*
- *High Computing Platforms;*
- *Big Data/Copernicus/GMES&Africa;*
- *New Generation of Satellites;*
- *Social Media tools.*

How will NMHS integrate these in the way they do business....

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UNION AFRICAINE

UNIÃO AFRICANA

Addis Ababa, ETHIOPIA P. O. Box 3243 Telephone: +251 11 551 7700 Fax: +251 115 517844

Website: www.au.int

SECOND ORDINARY SESSION FOR
THE SPECIALIZED TECHNICAL COMMITTEE MEETING ON
EDUCATION, SCIENCE AND TECHNOLOGY (STC-EST)
21 October to 23 October 2017, CAIRO, EGYPT



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AMCOMET TASK FORCE ON THE AFRICAN REGIONAL SPACE PROGRAMME



- ❑ AU Executive Council Decision to establish a **Joint Task Force** on the African Regional Space Programme
- ❑ AMCOMET Task Force on the African Regional Space Programme has been collaborating with the African Union (AU) Space Working Group on the African Space Policy and Strategy, **providing inputs related to meteorological issues**
- ❑ The African Space Policy and Strategy, which guide the **framework for the formalization of the African Space Agenda** are expected to be presented during the 16th Session of RAI and AMCOMET-3

3. The Gender Component



World Meteorological Organization
EXECUTIVE COUNCIL
Seventieth Session
Geneva, 20 to 29 June 2018

EC-70/Doc. 14
Submitted by:
Chairperson
26.VI.2018
APPROVED

AGENDA ITEM 14: GENDER EQUALITY

IMPLEMENTATION OF WMO GENDER EQUALITY POLICY AND ACTION PLAN

DRAFT DECISION

Draft Decision EC-70/14/1

The Executive Council decides to:

- (1) Review the [WMO Gender Equality Policy](#) and [WMO Gender Action Plan](#) with a view to assessing progress in their implementation and proposing necessary updates for adoption by the Eighteenth World Meteorological Congress (Cg-18);

WMO GENDER EQUALITY POLICY (as adopted by the Seventeenth World Meteorological **Congress**, 25 May-12 June 2015) with the purpose of promoting, encouraging and facilitating gender equality across the WMO and of establishing a mechanism by which progress can be measured.



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4. Hydromet for impact-based forecasting and tailored Climate services!

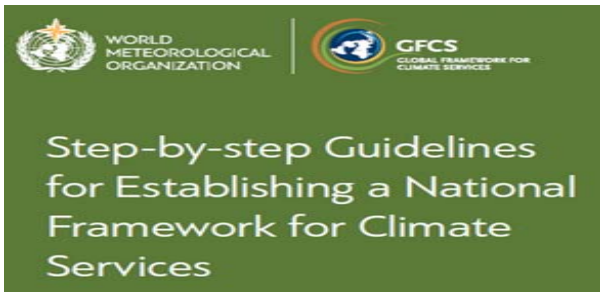
Hydrologists and Meteorologists need to work together .. to bring innovative solutions and solve common problems!



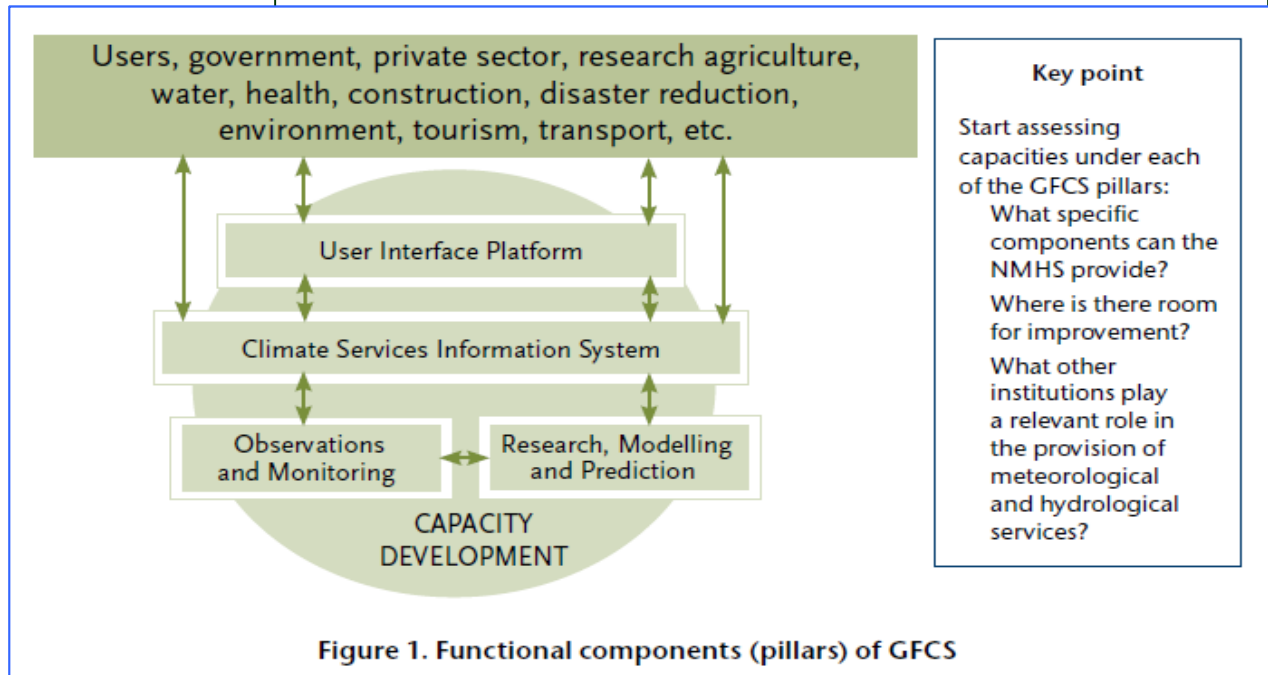
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5. GFCS: a strong existing tool to establish a National Framework for Climate Services (NFCS)

◆ To coordinate, facilitate and strengthen collaboration among institutions and avoid duplication of efforts.



◆ It is built through user-provider partnerships that include all stakeholders



Proposed Logframe and Indicators



- ◆ A summary of the **SWOT** (strengths, weaknesses, opportunities and threats) allowing to link directly with the **Expected Outcomes** of the strategy;
- ◆ A « *Strategy Map* » highlighting Strategic objectives, Strategic Indicators coupled with KPIs (key performance indicators);
- ◆ Risk Management (RM) with a prevention plan;
- ◆ A catalogue of activities aligned with the strategic objectives {activities already presented in the Strategic Pillars (SPs)}.

=> Risk Management and Prevention Plan

TYPE OF RISKS	PREVENTION PLAN
Lack of financial resources to execute the strategy	<ul style="list-style-type: none"> ▪ Organizing stakeholder workshops, prior to the submission of the National Development Plans, so that the Weather and Climate components are well aligned with the national strategies; ▪ Knowledgeable use of international and regional grants; ▪ Co-design and co-construction of strategic plans with AMCOMET designated key experts and/or WMO consultants selected by the NMHSs.
Lack of optimized infrastructures and technology at RCCs and regional level	<ul style="list-style-type: none"> ▪ Better knowledge of the international requirement and implementation of New Technological systems; ▪ Optimized use of satellite infrastructure; ▪ Implementation of Human Resources planning and management at NMHSs.
Lack of quality of data delivered, especially in aviation and marine	<ul style="list-style-type: none"> ▪ Support from NHMSs regional centres to help implement good practices in quality management systems (QMSs); ▪ Transformation of data collection into knowledgeable information for decision-makers; ▪ Optimized usage of the new recruits and experienced engineers / technicians through mentoring and coaching programmes.
Lack of visibility of NMHSs	<ul style="list-style-type: none"> ▪ Development of the AMCOMET index to measure the progress in understanding the strategic role of NHMS in Africa with positive communication on the impact of weather-climate-water tailored services for the socio-economic development of the continent, ▪ Development of impact-based studies and dissemination of these on regular basis at sub-regional, regional and international levels.



Recommendations by the Consultant

1. To completely review the AMCOMET strategy with « strategic planning » approach and work collectively on all steps (Diagnosis -> Decision -> Delivery of the strategy).
2. Establish a working group (Task Force?) to work on the Prevention plans and anticipate better risks, and design a new and complete Logical Frame linking strategic pillars, strategic objectives, its relevant strategic indicators and programmatic initiatives.
3. Organize a validation workshop and kick-off the dissemination plan to better communicate on activity rollout.





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Thank you
Merci

amcomet@wmo.int

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