



**AMCOMET**

# **African Ministerial Conference on Meteorology (AMCOMET)**

**11<sup>th</sup> EUMETSAT User Forum  
8 September 2014**

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AMCOMET Secretariat**

[www.wmo.int/amcomet](http://www.wmo.int/amcomet)



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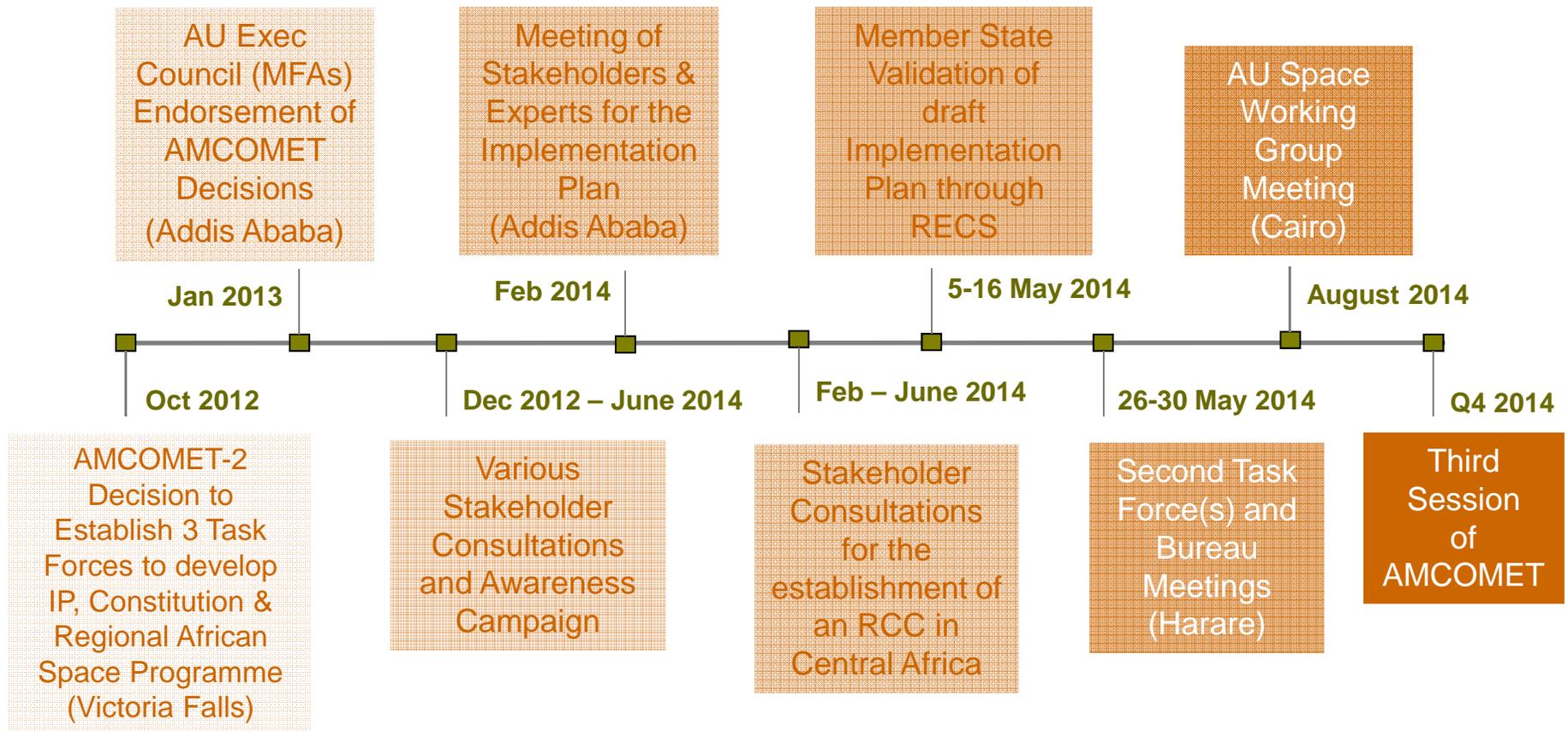
# WHAT IS AMCOMET?

- ❑ A **high-level mechanism** for the development of meteorology and its applications in Africa
- ❑ The **intergovernmental authority** on meteorology
- ❑ Joint initiative of the WMO and AUC and is a body **endorsed by the African Heads of States**
- ❑ **Vision:** to have a **framework of cooperation** (between WMO, AU, and relevant stakeholders) to support sustainable development through the sound governance of the science of meteorology and its applications
- ❑ **Mission:** to **provide political leadership**, policy direction and guidance in the provision of weather and climate services that meet societal needs



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## Key AMCOMET Activities 2012 - 2014





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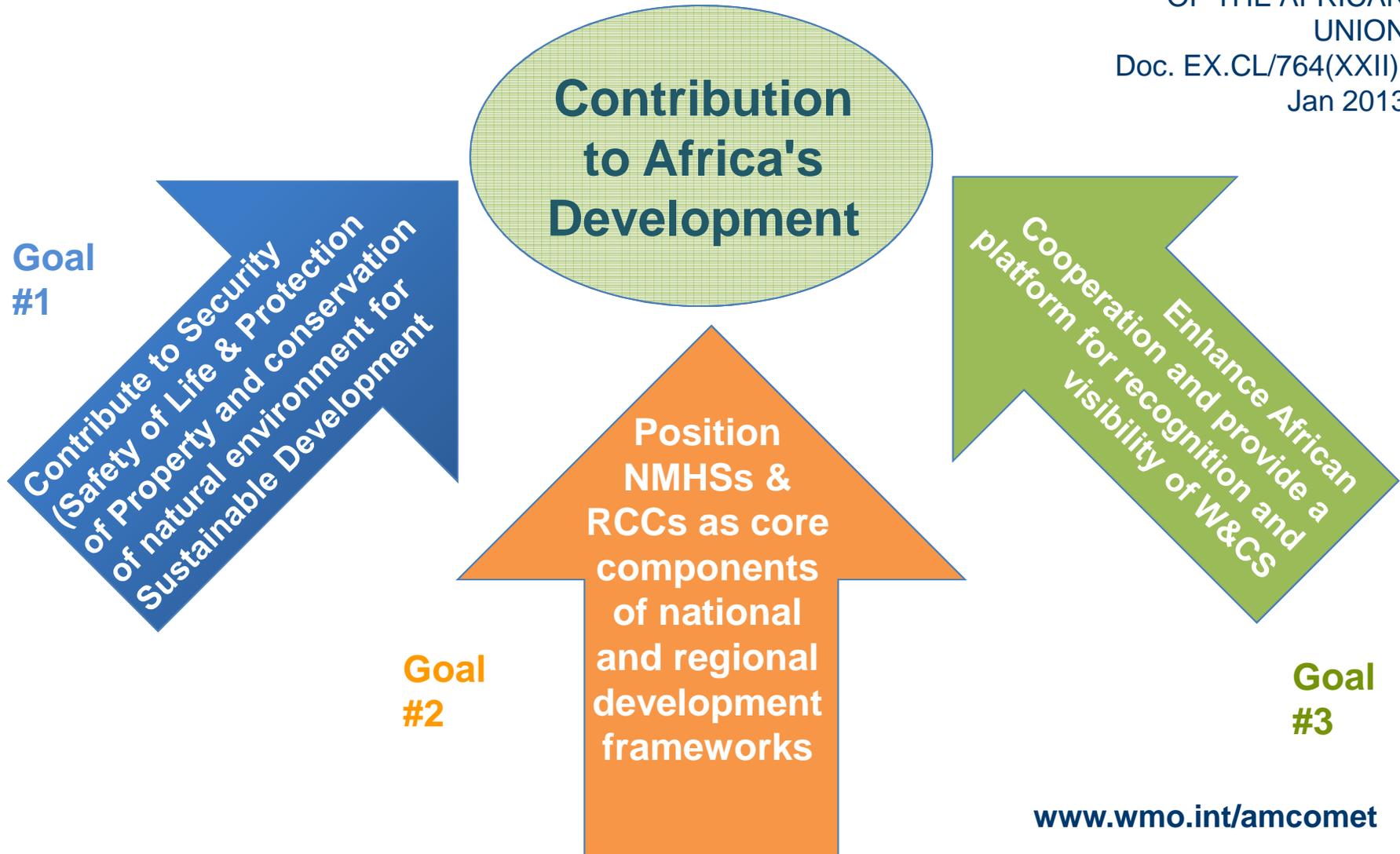
# Integrated African Strategy on Meteorology (Weather and Climate Services)

Goals towards contribution to Africa's Development

**ADOPTED** DURING THE  
SECOND SESSION OF  
AMCOMET, Oct 2012

**ENDORSED** BY THE  
EXECUTIVE COUNCIL  
OF THE AFRICAN  
UNION

Doc. EX.CL/764(XXII),  
Jan 2013



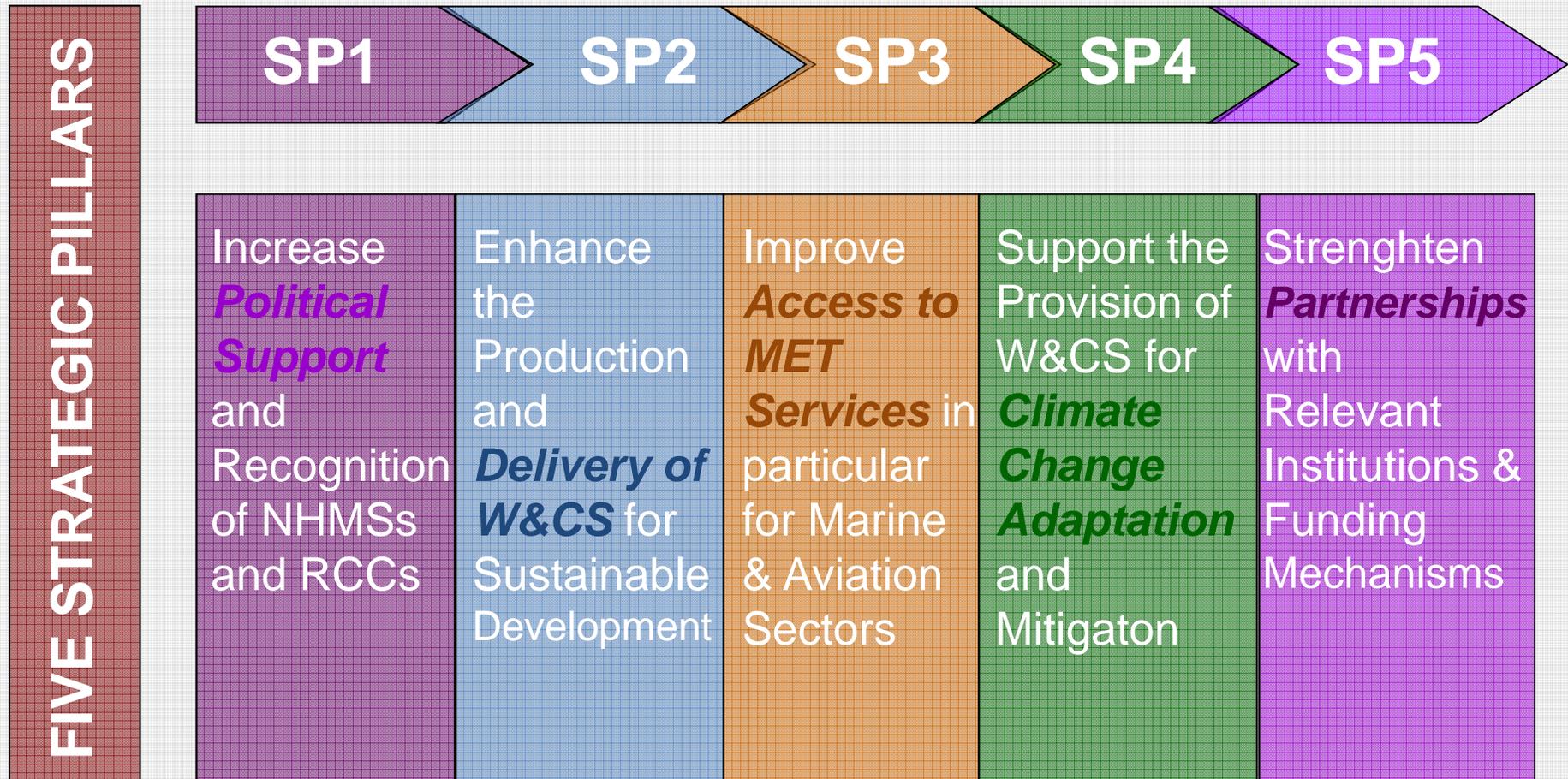
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# Integrated African Strategy on Meteorology

Weather and Climate Services





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## Strategic Pillar 2: AREAS OF ACTION

### SP2

Enhance the  
Production and  
**Delivery of W&CS**  
for Sustainable  
Development

- Engage international partners on the design of numerical weather prediction and **satellite derived products** to better address African requirements
- Ensure that the African meteorological weather requirements on **satellite derived products are channeled through the WMO WIGOS and Space Programmes**
- Explore the feasibility of **launching an African Meteorology Space Programme**, taking note and advantage of the progress already being made by some African countries



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## Strategic Pillar 4 : AREAS OF ACTION

### SP4

Support the  
Provision of W&CS  
for Climate Change  
Adaptation and  
Mitigation

- ❑ Ensure the **implementation of a structured GFCS** at the continental level, based on the input provided in the **Addis Ababa Declaration** in Africa as well as the WMO's Implementation Plan of the GFCS, on the understanding that the regional GFCS implementation will **facilitate links between national and global GFCS implementation** activities.



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## Strategic Pillar 5: AREAS OF ACTION

### SP5

Strengthen  
***Partnerships*** with  
Relevant Institutions  
& Funding  
Mechnisms

- Strengthen partnerships** with international scientific and technical partners in order to ensure that African NMHSs and RCCs can **access and exchange scientific and technical information**



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# AMCOMET STATUS

## IMPLEMENTATION & RESOURCE MOBILIZATION PLAN

- The Plan, which will facilitate the implementation of the Integrated African Strategy on Meteorology (Weather and Climate Services) was approved, with minor amendments, by the Task Force and Bureau of AMCOMET and will be considered during AMCOMET-3

## REGIONAL CENTRE IN CENTRAL AFRICA

- Central African Heads of State meeting in November 2014
- Expert and Ministerial High-level meetings are being organised by ECCAS and CEMAC to review and adopt the strategy to establish an RCC in Central Africa, and to reach a consensus on its venue, designation and governance structure



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## **GFCS-ACP Task Team**

The Integrated African Strategy on Meteorology (Weather and Climate Services) refers to the **Addis Ababa Declaration (2012)**, which **supports the implementation of GFCS in Africa**

- AMCOMET is a **member of the GFCS-ACP Task Team** whose purpose is to facilitate the implementation of the Declaration through the development of a **project; the objective of which would be coherent with those of the Strategy**
- Detailed information on the work of the GFCS-ACP Task Team will be presented during the Forum



# AFRICAN REGIONAL SPACE PROGRAMME

## AMCOMET CONTRIBUTION

- ❑ **Joint Pan-African initiative:** AUC, AMCOST and AMCOMET
- ❑ AMCOMET Task Force on the Space Programme has been collaborating with the AUC 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 16<sup>th</sup> Session of RAI and AMCOMET-3
- ❑ The AMCOMET Bureau also requested the AUC and AMCOST, in collaboration with AMCOMET, to **link the African Space Programme to the WMO Space Programme** and to other ongoing regional initiatives such as MESA and ASMET



# LINKS TO THE WMO SPACE PROGRAMME

A draft concept note will be proposed as an effort to contribute to the agenda of the African Regional Space Programme, with a view to **providing a roadmap for African governments** as they move towards the different stages of developing a space programme. The concept note

- Recognizes and **seeks to strengthen Africa's capacity** in using remote sensing technology
- Is cognizant of the thematic areas for the Regional Space Programme Agenda**, which are *Earth Observation, Navigation and positioning, satellite communications, space physics and astronomy.*



# LINKS TO THE WMO SPACE PROGRAMME

The draft concept note recognizes the 3 components / segments of a Space Programme: **Ground Segment, Application Segment, and Space Segment.**

## **Component 1: Ground segment**

- the **development** of a critical mass **capacity of human capital** (scientists, application experts, engineers)
- Fosters **knowledge sharing** among African experts
- Promotes the utilisation of existing satellite applications** and takes advantage of existing activities



# LINKS TO THE WMO SPACE PROGRAMME

## Component 1: Ground segment (cont.)

- Maximises benefits from the use of existing earth observations (EO) and applications
- Recognises existing Africa-Europe partnership
- Takes advantage of lessons learned by developing countries operating satellites (China, India, Brazil)



# LINKS TO THE WMO SPACE PROGRAMME

## Component 2: Application Segment

- Consolidate the requirements from the African Region in the following Application Areas: **weather, climate, operational hydrology and environment;**
- Go through the **comparison of the capabilities** of present and planned observing systems; and
- Lead to a **comprehensive Gap Analysis** and a statement of guidance (SoG) report which will contribute to justify the African Regional Space Programme.



# LINKS TO THE WMO SPACE PROGRAMME

## Component 3: Space Segment

- ❑ **Build on the experience** acquired through applications and identify needs to fill the gaps;
- ❑ Propose the **most cost-effective and technologically viable space segment**, which avoids duplications and maximizes on the existing technology; and

The accumulated experience through a period of application would ensure **immediate application benefits** from the space programme.



# WAY FORWARD

## Space Programme Related Activities

- Strengthen collaboration with AUC-HRST and AMCOST in the development of the African Space Strategy and its implementation
- Maximise the use of existing satellite derived products and services that meet African needs and requirements
- Promote capacity development (human and technical) in the development and use of current and emerging space technology
- Engage relevant international partners, through enhanced cooperation, including through the WMO Space Programme, in the development and implementation of space related activities to better address African requirements



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# NEXT STEPS TOWARDS AMCOMET-3

- Approval** of AMCOMET's governance documents (Constitution and Rules of Procedures)
- Finalisation of the necessary steps towards the establishment** of an RCC in Central Africa
- Endorsement** of the Implementation and Resource Mobilization Plan for the Integrated African Strategy
- Identification and Development** of Flagship Programmes related to the Implementation Plan
- Strengthen partnerships** with development partners with a view to ***establishing a financing facility for weather and climate services***



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Thank you

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