



# Detailed Programme

## 16<sup>th</sup> EUMETSAT User Forum in Africa

*Plenary sessions*

*16 to 20 September 2024*

*Cotonou, Benin*

## Overview

	Monday 16 <sup>th</sup> September	Tuesday 17 <sup>th</sup> September	Wednesday 18 <sup>th</sup> September	Thursday 19 <sup>th</sup> September	Friday 20 <sup>th</sup> September
08:30 - 10:30	Registration of participants <b>Introduction</b> <b>Working group sessions:</b> <ul style="list-style-type: none"> <li>PUMA and ClimSA stations</li> <li>Data access and training</li> </ul>	<b>Session #1:</b> EUMETSAT programmes  <b>Session #2:</b> Space for Early Warning	<b>Session #3:</b> <i>Splinter session:</i>  Regional discussions on <i>Space for Early Warning (MTG-AMSAF)</i>	<b>Session #4:</b> Climate, Air Quality and GHG monitoring  <b>Session #5:</b> Blue Economy	<b>Session #6:</b> Agrometeorology
11:00 - 12:30					<b>Session #7:</b> Recommendations
12:30	Lunch	Lunch	Lunch	Lunch	Lunch
14:00 - 18:00	PUMA / ClimSA demonstration	<b>Session #2:</b> Space for Early Warning and African Meteorological Satellite Application Facility (AMSAF)	Technical visit	<b>Special Session:</b>  EO for Hydrology	Closing Ceremony
	15:00: <b>Opening Ceremony</b>				
	16:00: <b>Introductory session</b>				
19h00	Cocktail with ASAP artwork handover	Benin Gala Dinner		EUMETSAT Dinner	

## Detailed programme

### MONDAY 16 SEPTEMBER 2024

#### Working group sessions (09:30 – 12:30)

The **Working group sessions** will feature presentations and open discussions on the new PUMA-2025 and Climate Stations, including their deployment. A second topic of this session will be on the access to EUMETSAT data and the training.

INTRODUCTION AND WORKING GROUP SESSIONS				
08:30	Registration			
09:30	Welcome		Didier Kapka Phil Evans	Météo-Benin EUMETSAT
09:40	Review of the Recommendations from the 15th EUFA		Hervé Trebossen	EUMETSAT
10:00	Outcomes from the 16-EUFA online technical sessions:			
	#1 EUMETSAT data access and training (5')		Sarah Kimani	IMTR
	#2 Space in support to Early Warning System (MTG-AMSAN) - (5')		Mariane Diop Kane	WMO
	#3 Meteosat Third Generation - PUMA stations deployment (5')		Harsen Nyambe	AUC
	#4 Climate monitoring - ClimSA stations deployment (5')		Ali Albani	ACMAD
10:20	Introduction to the Working Groups		Vincent Gabaglio	EUMETSAT
BREAK (10:30 - 10:45)				
10:45 - 12:30	Break Out Rooms	WG#1- new PUMA-2025 and Climate Stations (EN)	Nico Kroese Erdem Erdi	SAWS EUMETSAT
		WG#2- new PUMA-2025 and Climate Stations (FR)	Maixent Kambi Hervé Trebossen	DMN Congo EUMETSAT
		WG#3- EUMETSAT training (EN)	Sarah Kimani Vesa Nietosvaara	IMTR EUMETSAT
		WG#4- EUMETSAT training (FR)	Kodjo Gboneh Gratien Edoh Mark Higgins	EAMAC EUMETSAT

## PUMA / CLimSA Demonstration (14:00 - 15:00)

- PUMA demo (20 min)
- ClimSA demo (20 min)
- EUMETView Demo (20 min)

## High-Level Event (14:00 - 15:00)

Upon invitation only.

## Opening Ceremony (15:00 – 16:00)

A separate programme will be published for the opening ceremony.

## Introductory session (16:20 – 18:00)

INTRODUCTORY SESSION			
<b>CHAIRPERSON</b>		Didier Kakpa	Météo Bénin
<b>CO-RAPPORTEURS</b>		Vincent Gabaglio	EUMETSAT
		Diane Laouro	Météo Bénin
16:20	<b>African Space Policy (incl. GMES &amp; Africa)</b>	Tidiane Ouattara	African Space Agency
16:35	<b>Integrated African Strategy on Meteorology</b>	Jolly Wasambo	AUC
16:50	<b>Status of EUMETSAT programmes</b>	Paul Counet	EUMETSAT
17:10	<b>Satellite for Early Warning</b>	Joseph Kagenyi	Somali Civil Aviation Authority
17:40	<b>Q&amp;A</b>		
18:00	<b>End of Day 1 / Programme overview of Day #2</b>		

## TUESDAY 17 SEPTEMBER 2024

### Session #1: EUMETSAT programmes (9:00 – 10:45)

The *First session* is dedicated to the presentation of the status of the various EUMETSAT programmes and activities: MSG, EPS, Jason, EPS-SG, SAFs. This session will also include a special emphasis on the transition to Meteosat Third Generation (MTG) satellites as well as access to EUMETSAT data.

SESSION #1 - EUMETSAT PROGRAMMES			
CHAIRPERSON		Harsen Nyambe	AUC
RAPPORTEURS		Mariane Diop Kane	AMCOMET
		Hervé Trebossen	EUMETSAT
09:00	MTG status and transition	Sally Warnnop	EUMETSAT
09:15	Data access and User services	Erdem Erdi	EUMETSAT
09:30	EUMETCast-Terrestrial - User case	Nico Kroese	SAWS
09:45	EUMETSAT and CoE Trainings	Vesa Nietosvaara	EUMETSAT
10:00	Q&A	Chairperson	
10:15	Introduction to the ClimSA Climate station	Carolina Arias Munoz	JRC
10:30	Presentation of the PUMA-2025 Station	Giancarlo Vanoni	Tecnavia
BREAK (10:45 - 11:00)			

## Session #2: Space for Early Warning and African Meteorological Satellite Application Facility (AMSAF) (11:00 – 18:00)

The *Second session* will focus on the contribution of satellites to Early Warning System in Africa. Discussion will include activities at regional or national level including the establishment of an African Meteorological Application Network (AMSAN).

SESSION #2 - SPACE FOR EARLY WARNING AND AFRICAN METEOROLOGICAL SATELLITE APPLICATION FACILITY			
<b>CHAIRPERSON</b>		Tidiane Ouattara	African Space Agency
<b>RAPORTEURS</b>		Sally Wannop	EUMETSAT
		Ali Abani	ACMAD
<b>11:00</b>	<b>Early Warning for All initiative</b>	tbc	WMO
<b>11:15</b>	<b>AMHEWAS programme</b>	tbc	AUC
<b>11:30</b>	<b>Space for Early Warning in Africa</b>	Cecilia Donati	European Commission
<b>11:45</b>	<b>ECMWF NWP products for Africa</b>	Stijn Vermoote	ECMWF
<b>12:00</b>	<b>Satellite to enable Early Warning</b>	Sarah Kimani	IMTR
<b>12:15</b>	<b>Q&amp;A</b>	Chairperson	
<b>LUNCH (12:30 - 14:00)</b>			
<b>14:00</b>	<b>Nowcasting SAF, products and (potential) use in Africa</b>	Llorenç Lliso	NWC SAF
<b>14:15</b>	<b>RSMC NWC regional approach - WISER-EWSA</b>	Nico Kroese	SAWS
<b>14:30</b>	<b>SAWIDRA and NWP in Africa</b>	Ali Abani	ACMAD
<b>14:45</b>	<b>Q&amp;A</b>	Chairperson	
<b>15:00</b>	<b>AUC situation room</b>	tbc	AUC
<b>15:15</b>	<b>ICPAC situation room</b>	Zachary Atheru	ICPAC
<b>15:30</b>	<b>ECOWAS situation room</b>	Konan Raoul Kouame	ECOWAS
<b>15:45</b>	<b>Q&amp;A</b>	Chairperson	
<b>BREAK (16:00 - 16:15)</b>			
<b>16:15</b>	<b>Integration of EO data to increase National Watch systems and to implement Common Alert Protocol</b>	Marta Baraibar and Abubakr Salih (TBC)	WMO
<b>16:30</b>	<b>Contribution of EO data to Multi-Risk EWS in Benin</b>	Jules Azongninhoun & Olga Vignon	Météo-Benin
<b>16:45</b>	<b>Using EWS and Satellite Images to Reduce Traffic Accidents</b>	Ahmed Abdelradi	Egyptian Meteorological Authority (EMA)

<b>SESSION #2 - SPACE FOR EARLY WARNING AND AFRICAN METEOROLOGICAL SATELLITE APPLICATION FACILITY</b>			
<b>17:00</b>	<b>Contribution of EUMETSAT products in EWS: Example of flooding and drought events in Tunisia</b>	Mohamed Hajjej	Institut National de la Météorologie - Tunisia
<b>17:15</b>	<b>Charter for Space for Major Disaster</b>	Sally Wannop	EUMETSAT in particular in the National Meteorological and Hydrological Services,
<b>17:30</b>	<b>Copernicus Climate Change Services and Atmospheric Monitoring Services CAMS</b>	Stijn Vermoote	ECMWF
<b>17:45</b>	<b>Q&amp;A</b>	Chairperson	
<b>18:00</b>	<b>End of Day 2</b>	Chairperson	

## WEDNESDAY 18 SEPTEMBER 2024

### Session #3: Splinter session: Regional discussions on Space for Early Warning (MTG-AMSAF) project (9:00 – 12:30)

The *Third session* will be organised in splinter sessions per region (REC) and will concentrate on discussions on the regional approach and priorities for implementing activities related to *Space in support to Early Warning System (MTG-AMSAF)*.

Location : Hotel Benin Royal

<b>SESSION #3 - SPLINTER SESSION: REGIONAL DISCUSSIONS ON SPACE FOR EARLY WARNING (MTG-AMSAF) PROJECT</b>			
<b>CHAIRPERSON</b>		Jolly Wasambo	AUC
<b>RAPORTEURS</b>		Jules Azongnihoun	Météo Bénin
		Hervé Trebosen	EUMETSAT
<b>09:00</b>	<b>Space in support to Early Warning System (MTG-AMSAF)</b>	Jolly Wasambo, Vincent Gabaglio	AUC, EUMETSAT
<b>09:20</b>	<b>Q&amp;A</b>	Chairperson	
<b>09:40 - 12:10</b>	<b>Break Out Rooms</b>	<b>WG #1 : West Africa (EN/FR)</b>	Seydou Traoré / Abdoulaye Diouf AGRHYMET or ANACIM
		<b>WG #2 : Eastern Africa (EN)</b>	Zachary Atheru / David Gikungu Irungu ICPAC or KMD
		<b>WG #3 : Southern Africa (EN)</b>	tbc / Nico Kroese SADC/CSC or SAWS
		<b>WG #4 : Central Africa (FR)</b>	Pascal Moudi / Yontchang Gervais Didier CAPC-AC and Cameroun
		<b>WG #5 : MTG for Early Warning in North Africa (AR/EN/FR)</b>	Tareq Soubai Meteo Maroc
<b>12:10</b>	<b>Report of the Working Group #1 to #5</b>	<b>Rapporteurs from WG #1 to #5</b>	

### Technical Visit (14:00 – 18:00)

Separate agenda.



## THURSDAY 19 SEPTEMBER 2024

### Session #4: Climate, Air quality and GHG Monitoring (09:00-10:30)

The *Fourth session* will focus on the use of EO data to monitor climate, atmospheric composition and CO2 emissions.

<b>SESSION #4 - CLIMATE, AIR QUALITY AND CO2 MONITORING</b>			
<b>CHAIRPERSON</b>		Ladislav Chang'a	TMA, IPCC Vice-Chair
<b>RAPORTEURS</b>		Diane Laourou	Meteo-Bénin
		Erdem Erdi	EUMETSAT
<b>09:00</b>	<b>AU policies for Climate and Air Quality</b>	tbc	AUC
<b>09:15</b>	<b>EO mission in support to Atmospheric Composition and GHG monitoring</b>	Mark Higgins	EUMETSAT
<b>09:30</b>	<b>Climate Monitoring by Satellite</b>	Steffen Kothe	Deutscher Wetterdienst (DWD)
<b>10:00</b>	<b>ClimSA Climate Station</b>	Carolina Arias Munoz	JRC
<b>10:20</b>	<b>Q&amp;A (15')</b>	Chairperson	
<b>BREAK (10:45 - 11:00)</b>			

## Session #5: Blue economy (11:00 – 12:30)

The *Fifth session* will focus on Blue economy. This session will address satellite applications for Marine, focusing on the access and use of the Copernicus Sentinel-3, the OSI-SAF and the Copernicus Marine Environment Monitoring Service.

SESSION #5 - BLUE ECONOMY			
<b>CHAIRPERSON</b>		Mahaman Bachir Saley	AUC
<b>RAPORTEURS</b>		Mark Higgins	EUMETSAT
			AUC
<b>11:00</b>	<b>EUMETSAT and Copernicus products for Blue Economy</b>	Mark Higgins	EUMETSAT
<b>11:15</b>	<b>EO support for GMES &amp; Africa's Marine and Coastal Operations for Southern Africa and the Indian Ocean</b>	Lufuno Vhengani	CSIR
<b>11:30</b>	<b>Q&amp;A (15')</b>	Chairperson	
<b>11:45</b>	<b>EO support for GMES &amp; Africa's Marine and Coastal Operations for North and West Africa</b>	Ignatius Kweku William	University of Ghana
<b>12:00</b>	<b>EO for blue economy, example in Benin</b>	Zacharie Sohou, Christian Adje	Institut de Recherches Halieutiques et Océanologiques du Bénin (IRHOB)
<b>12:15</b>	<b>Q&amp;A</b>	Chairperson	

## Special Session: EO for Hydrology (14:00-18:00)

<b>SPECIAL SESSION : EO FOR HYDROLOGY</b>			
<b>CHAIRPERSON</b>		tbc	RAOB
<b>RAPPORTER</b>		Vesa Nietosvaara	EUMETSAT
<b>14:15</b>	<b>Main outcomes of the workshop on EO for Hydrology and River Basin Management in Africa</b>	Jolly Wasambo and Heré Trebossen	AUC and EUMETSAT
<b>14:30</b>	<b>AMCOW Strategy and plans</b>	tbc	AMCOW
<b>14:45</b>	<b>Recent progress in EO for water resources monitoring and management in Africa</b>	Timothy Dube	University of Western Cape
<b>15:00</b>	<b>Contribution of EO data and HSAF products for Hydrology</b>	Silvia Puca	HSAF
<b>15:25</b>	<b>TAMSAT Climate Services: Monitoring</b>	Ross Maidment	University of Reading
<b>Use of EO in the African Basin Organisation - user cases (15' each)</b>			
<b>15:40</b>	<b>Congo Basin</b>	Georges Gulemvuga	CICOS
<b>15:55</b>	<b>Nile Basin</b>	Zelege Kebebew Challa (TBC)	Nile Basin Initiative
<b>16:10</b>	<b>Niger Basin</b>	Bachir Tanimoun (TBC)	NBA
<b>BREAK (16:15 - 16:30)</b>			
<b>16:40</b>	<b>Q&amp;A (15')</b>	Chairperson	
<b>17:05</b>	<b>Panel discussion</b> - Integration of EO data and services in Water resources Monitoring, challenges for data access, products validation and science, capacity building etc.		Panelists
<b>17:45</b>	<b>Conclusions</b>		
<b>18:00</b>	<b>End of Day 4 / programme overview of Day #5</b>	Chairperson	

## FRIDAY 20 SEPTEMBER 2024

### Session #6: Agrometeorology (09:00-11:00)

The **Sixth session** will cover Earth Observation projects and initiatives, more specifically focussing on practical applications for the agricultural sector with a specific emphasis on Climate services under implementation within CLimSA programme.

<b>SESSION #6 - AGROMETEORLOGY</b>			
<b>CHAIRPERSON</b>			ECOWAS
<b>RAPORTEURS</b>		Seydou Traoré	AGRHYMET
		Hervé Trebossen	EUMETSAT
<b>09:00</b>	<b>Climate Services for agriculture at Continental level</b>	Ali Abani	ACMAD
<b>09:15</b>	<b>ClimSA Climate services in West Africa</b>	Seydou Traoré	AGRHYMET
<b>09:30</b>	<b>ICPAC Agricultural Watch</b>	Zachary Atheru	ICPAC
<b>09:45</b>	<b>SADC activities in support to the agricultural sector</b>	(TBC)	SADC
<b>10:00</b>	<b>CAPC-AC activities</b>	Pascal Moudi and Pierre Balomog	CAPC-AC
<b>10:15</b>	<b>Observation de la Terre pour les applications dans les domaines de l'eau, de l'agriculture et de la foresterie</b>	Kossi François Guedje	Université d'Abomey - Calavi
<b>10:30</b>	<b>EUMETSAT HSAF products applications in agrometeorology</b>	Simone Gabellani	H-SAF
<b>10:45</b>	<b>TAMSAT Climate Services: Forecasting</b>	Emily Black	University of Reading
<b>11:00</b>	<b>Q&amp;A (15')</b>	Chairperson	

## Session #7: Recommendations (11:15 - 12:30)

<b>SESSION #7 - RECOMMENDATIONS REVIEW &amp; ADOPTION</b>			
<b>CHAIRPERSON</b>		Didier Kakpa	Météo Bénin
<b>RAPPORTEURS</b>		Vincent Gabaglio	EUMETSAT
		Hervé Trebossen	EUMETSAT
<b>11:15</b>	<b>Feedback from 16<sup>th</sup> EUMETSAT User Forum in Africa</b>	Participants	
<b>11:30</b>	<b>Hosting of the 17<sup>th</sup> EUMETSAT User Forum in Africa</b>		
<b>12:00</b>	<b>Review and adoption of the main recommendations of the 16<sup>th</sup> EUMETSAT User Forum in Africa</b>	All	

## Closing ceremony (14:00 – 15:00)

Closing remarks from :

- Météo Bénin
- WMO
- AUC
- EUMETSAT