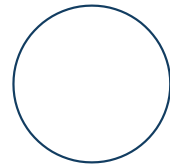
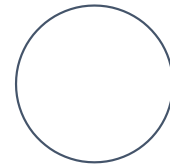


# ClimSA and PUMA Stations : Status of deployment & information on Training

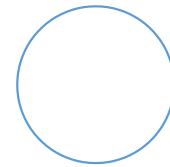
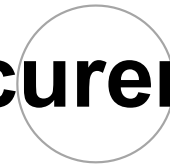
 **OUTLINE**



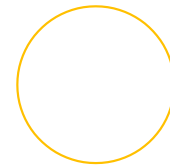
**Introduction**



**Status on procurement and deployment**



**Training**



# Introduction

## Parent Agreement (ACP/FED/038-833)

RECs & ROs Implementing

AUC

(2019/410-300)

[Signed October 2020]

(ECOWAS,  
IGAD,

Partners (JRC,  
WMO,

Caribbean &  
Pacific

ACMAD

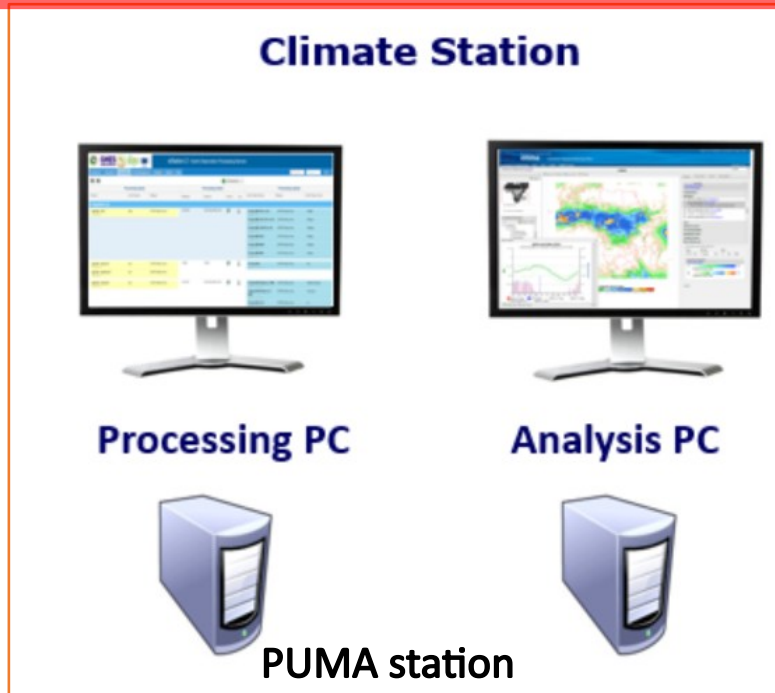
ECCAS  
(CAPC-AC)

### Tailored climate services: Priority Sectors

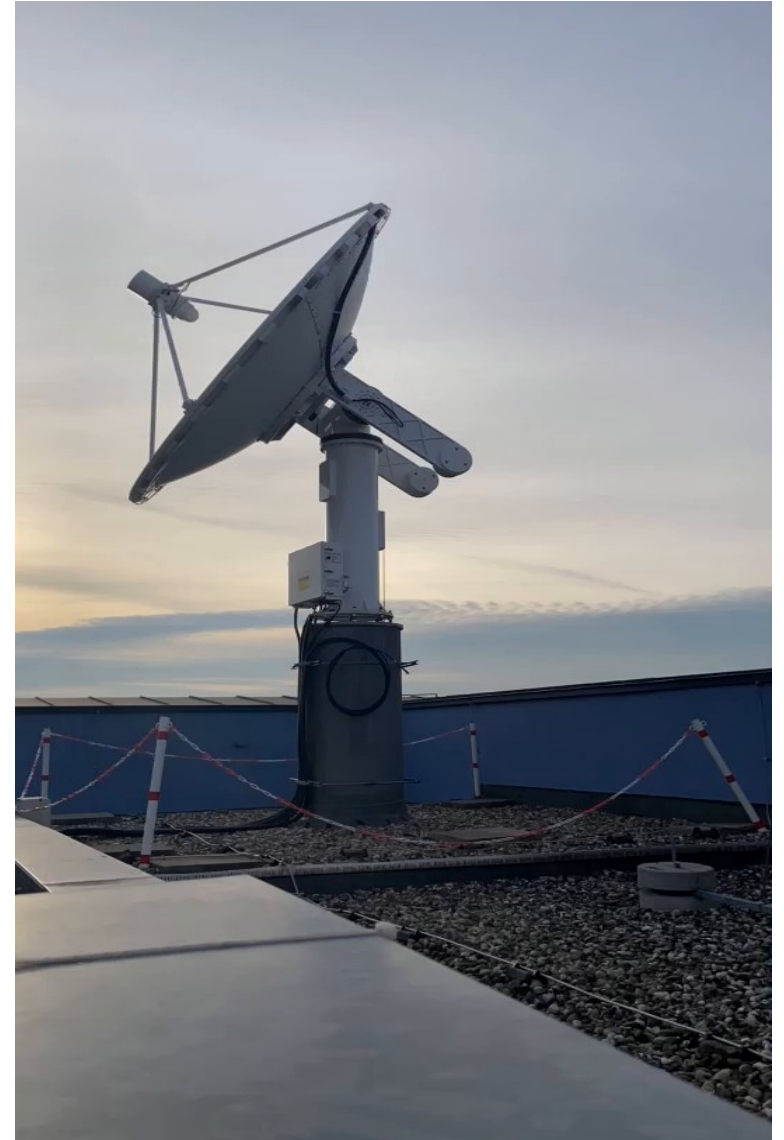
- Agriculture & Food Security
- Water Resources
- DRR
- Health
- Energy

# Status of deployment

Poor Data collection, Monitoring and observation network in African countries



Internet : access to forecasting models



## • Deployment of PUMA and ClimSA stations in Africa

- Procurement process completed: Service Contract signed on 26 November with Tecnavia SA, 24 Months
- Pre-deployment Survey on status of PUMA 2015 underway
- AUC Coordination:
  - Bi-weekly follow up meetings
  - Member States informed and contact established between the supplier and NMHS for custom clearance

## • Factory Acceptance Test (FAT) conducted on

- As part of the contract, before deployment, AUC shall conduct a FAT to ensure that the supplier will deliver good quality infrastructure to NMHS
- The Experts Team was composed of : IT, weather forecasters and Software experts from the AUC, RTCs, RCCs and NMHSs
- In May 2024, the FAT Team concluded that the specifications, software and hardware are compliant with the required specifications
- Deployment is expected in July 2024
- **Expected End of deployment: End 2025–Early 2026**



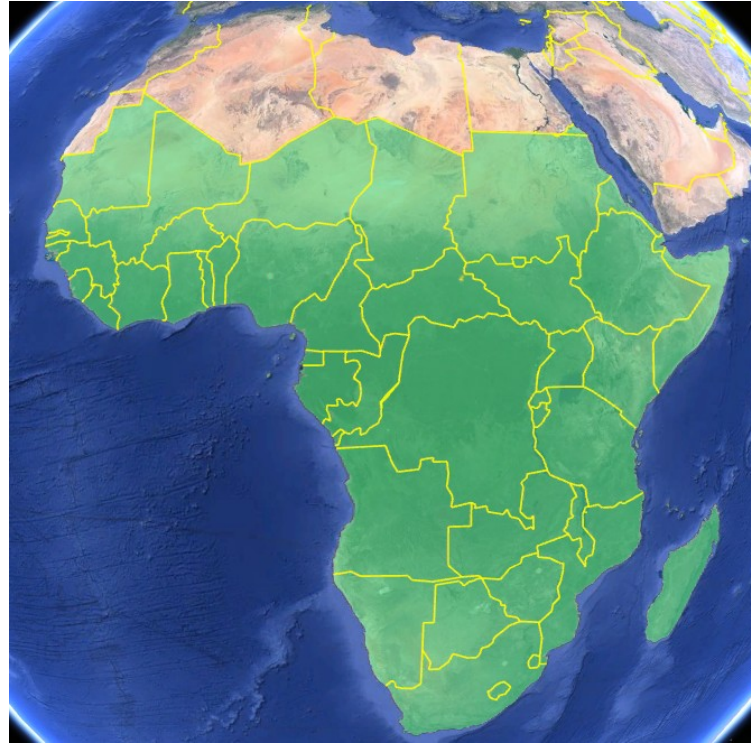
## • May 2024 : Factory Acceptance Test (FAT)

- SkyCeiver will be the interface of the workstation
- RTCs and RCCs will be first to receive the installation so that training of experts from MS can start simultaneously with remaining installations
- Aug 2024: IMTR, ICPAC and Kenya Meteorological Department followed by EAMAC
- Tecnavia will share an updated version of the deployment plan (based on the timing of FAT)
- AUC will establish feedback mechanisms to ensure improvement



## • PUMA & ClimSA stations

- **Data and Information in ClimSA station:** Satellite imageries, Third Party Products, Observational data in the GTS, Model products from GPC
- **Data and Information in ClimSA station**
- **Beneficiaries**
  - NMHSs
  - RCCs
  - RTCs



**PUMA** station will be installed and function in **49 member states, 5 RCCs and 2 RTCs**



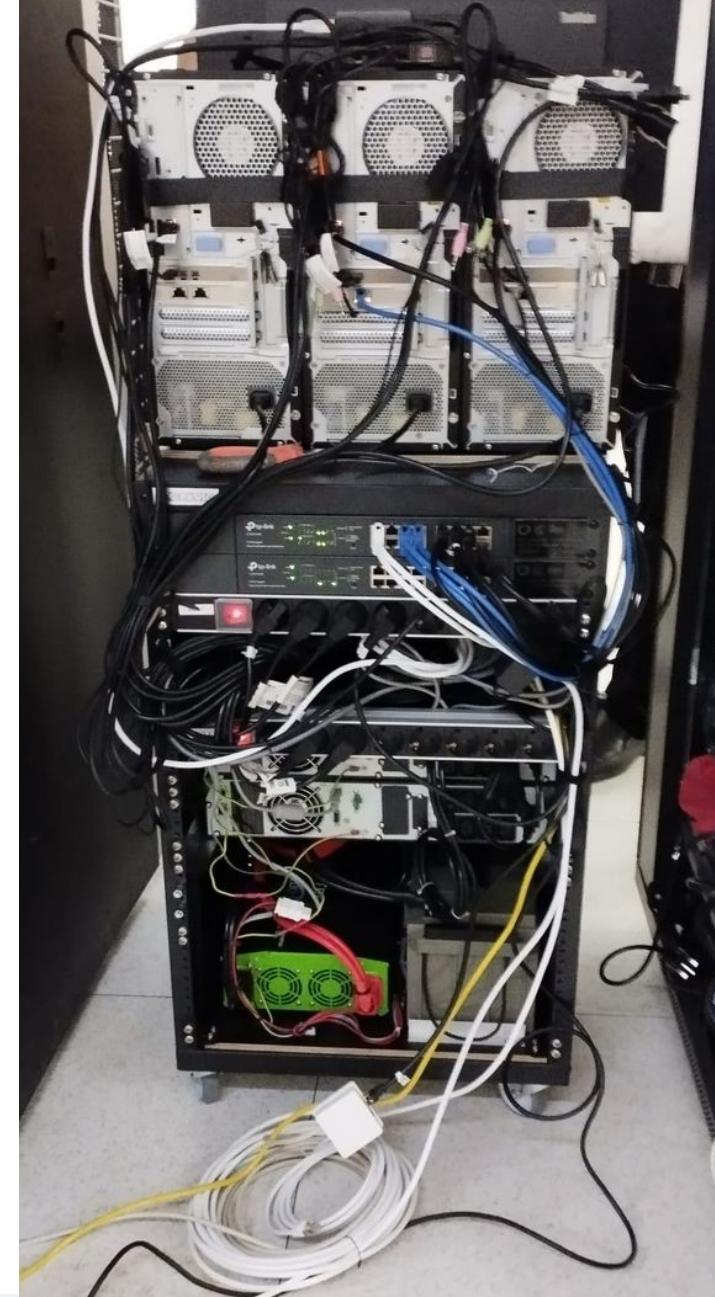
**ClimSA** station will be installed and function in **33 member states, 4 RCCs and 2 RTCs**



## • Deployment schedule : 10 first sites

Draft means that the schedule has not yet been discussed with the Beneficiaries.

Place of installation	State	City	Language	PUMA-202X-MTG number	C-Station Number	From approximate date (DD.MM.YYYY)	To approximate date (DD.MM.YYYY)
KMD/IMTR (training)	Kenya	Nairobi	English	Training	Training	05 Aug 2024	21 Aug 2024
ICPAC (RCC)	Kenya	Nairobi	English	1	1	05 Aug 2024	21 Aug 2024
Kenya Meteorological Department (KMD)	Kenya	Nairobi	English	1	1	28 Aug 2024	29 Aug 2024
Joint Research Center PRE-FAT	Italy	Ispra	Italian		1	03 Sep 2024	04 Sep 2024
EUMETSAT	Germany	Darmstadt	German	1	1		
ASECNA/EAMAC (training)	Niger	Niamey	French	Training	Training	15 Sep 2024	21 Sep 2024
ACMAD (RCC)	Niger	Niamey	French	1	1	15 Sep 2024	21 Sep 2024



## • Deployment schedule : 10 first sites

Agence Nationale de l'Aviation Civile et de la Météorologie (ANACIM)	Senegal	Dakar	French	1	1	01 Sep 2024	06 Sep 2024
Department of Water Resources	Gambia	Banjul	English	1	1	22 Aug 2024	30 Aug 2024
SADC-CSC (RCC)	Botswana	Gaborone	English	1		01 Sep 2024	06 Sep 2024
Botswana Meteorological Services (BDMS)	Botswana	Gaborone	English	1		01 Sep 2024	06 Sep 2024
Agence Nationale de la Météorologie du Bénin (Meteo Bénin)	Benin	Cotonou	French	1	1	10 Sep 2024	23 September 2024
South African Weather Services (SAWS)	South Africa	Pretoria	English	1		09 Sep 2024	13 Sep 2024



## • Deployment schedule : Update SADC

State	Beneficiary	From	To	Total
Benin				1
Botswana	BWA-BDMS-007	16.09.2024	20.09.2024	
Namibia	NAM-NHMS-040	16.09.2024	20.09.2024	
Botswana	BWA-SADC-006	23.09.2024	27.09.2024	
South Africa	ZAF-SAWS-052	23.09.2024	27.09.2024	
Niger training	NER_EAMAC-043	23.09.2024	27.09.2024	
Niger ACMAD	NER-ACMAD-041	23.09.2024	27.09.2024	
Madagascar	MDG-ONM-034	07.10.2024	11.10.2024	
Comores	COM-ASECNA-015	07.10.2024	11.10.2024	
Lesotho	LSO-LMS-032	07.10.2024	11.10.2024	
Eswatini	SWZ-NHMS-022	14.10.2024	18.10.2024	
Angola	AGO-INAMET-004	07.10.2024	11.10.2024	
Mozambique	MOZ-INAM-039	14.10.2024	18.10.2024	



- Kenya: Inspection and HandOver

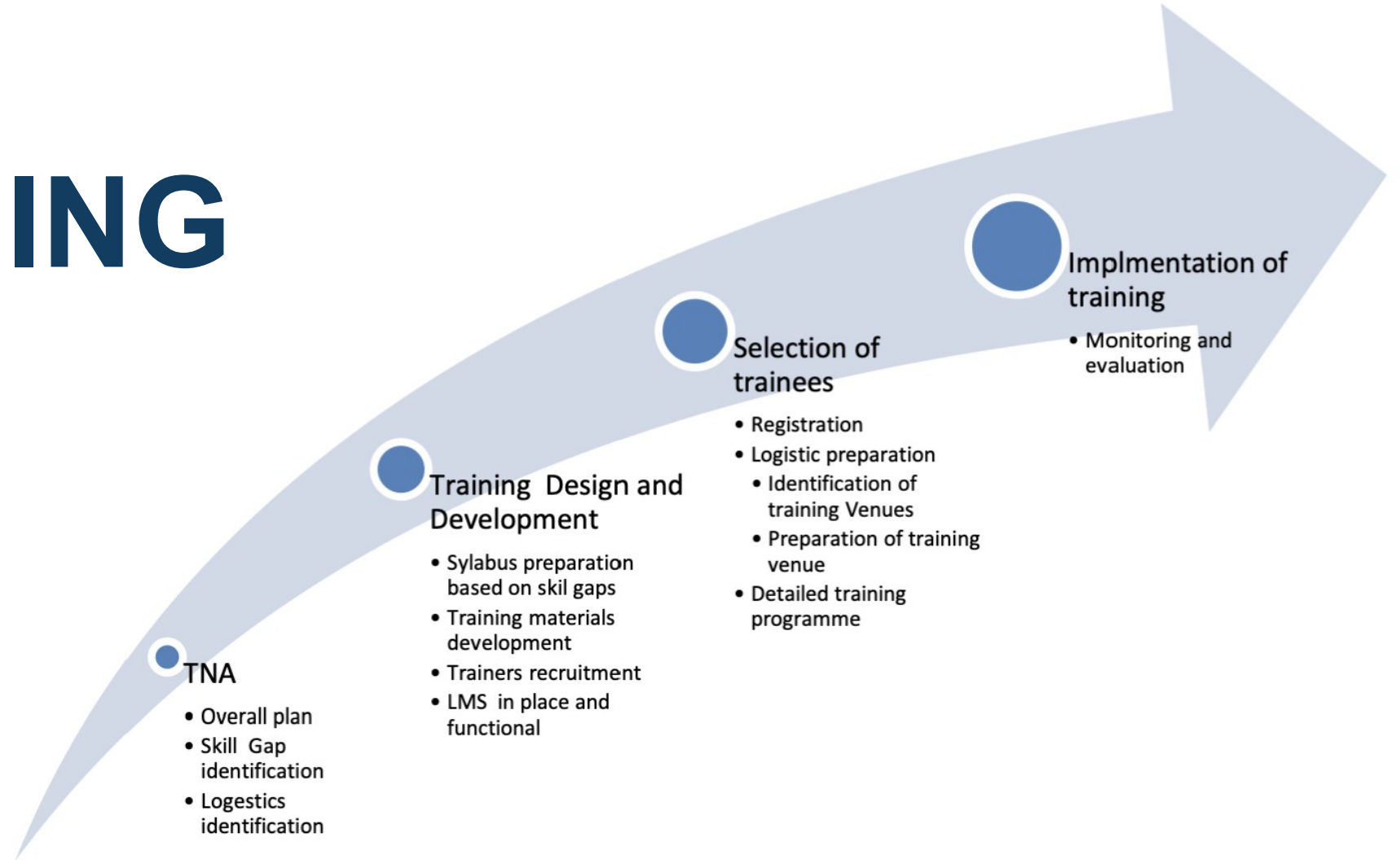


IMTR



KMD

# TRAINING



# Sharing of responsibilities

	Training of Trainers	Training of Trainees
PUMA / ClimSA system administrator	Funding: AUC / ClimSA TA Training material: Tecnavia Trainers: Tecnavia (tbc) Hosting: IMTR	Funding: AUC / ClimSA TA Training material: Tecnavia Trainers: IMTR / EAMAC Hosting: IMTR / EAMAC
PUMA usage	Funding: AUC / ClimSA TA Training material: Tecnavia + ASMET* Trainers: Tecnavia + EUMETSAT Hosting: IMTR	Funding: AUC / ClimSA TA Training material: Tecnavia + ASMET* Trainers: IMTR / EAMAC Hosting: IMTR / EAMAC
ClimSA Climate usage	Funding: JRC / RCC regional grants Training material: JRC Trainers: JRC Hosting: JRC or RCC	Funding: RCC regional grants Training material: JRC + RCC Trainers: RCC Hosting: IMTR / EAMAC / RCC

\* *ASMET = IMTR + EAMAC + EUMETSAT*

# • ClimSA Infrastructure: Training Plan (under consultation)

## TRAINING PLAN

Three (03) steps of Training:

- **Onsite training:** Done on the site by **the supplier** with the Beneficiary technical staff & during the Installation
- **Online Training:** Development of Learning Management System with Modules: both for ToT & NMHS (under discussion)
- **Classroom Training:**
  - ❑ **Training of Trainers:** 1 System Admin & maintenance+ 1 operation & forecasting: Nominated Training experts (17 IT + 21 PUMA + 15 ClimSA)
  - ❑ **Training of NMHS:** 1 System Admin & maintenance+ 1 operation & forecasting: 2/3 Trainees per country by the Trainers from ToT

# • ClimSA Infrastructure: Training Plan (under consultation)

## TRAINING PLAN

Three (03) steps of Training:

- **Onsite training:** Done on the site by **the supplier** with the Beneficiary technical staff & during the Installation
- **Online Training:** Development of Learning Management System with Modules: both for ToT & NMHS
- **Classroom Training:**
  - ❑ **Training of Trainers:** 1 System Admin & maintenance+ 1 operation & forecasting: 2/3 per RTC+RCC by Training experts
  - ❑ **Training of NMHS:** 1 System Admin & maintenance+ 1 operation & forecasting: 2 Trainees per country by the Trainers from ToT



• ClimSA Infrastructure: Training Plan (under consultation)

**TRAINING PLAN: Training of Trainers (ToT)/ Maintenance & Operation**

Activity Description	Sub activities	2024				2025	Responsible
		S	O	N	D	Mar to Dec	
<b>LMS</b>	<b>Online LMS Platform</b>						<b>AUC, EUMETSAT&amp;JRC</b>
<b>1. Training of trainers</b>	ToT System admin & Maintenance: Anglophones & Francophones (IMTR, Nairobi)						<input type="checkbox"/> AUC
<b>All ToT at IMTR, Nairobi</b>	ToT in PUMA for Operational users of PUMA station: Anglophones + Francophones (IMTR)						<input type="checkbox"/> AESA TA
	ToT in PUMA for operational sing of ClimSA station : Anglophones + Francophones (IMTR)						<input type="checkbox"/> EUMETSAT
							<input type="checkbox"/> JRC
<b>2. Training of Member States (NMHS)</b>	Training of NMHS in System admin & Maintenance : Anglophones at IMTR + Francophones at EAMAC						<input type="checkbox"/> Tecnavia
	Training of NMHS Operational users of PUMA : Anglophones at IMTR + Francophones at EAMAC						<input type="checkbox"/> EAMAC
							<input type="checkbox"/> IMTR
	Training of NMHS Operational Forecasters: Anglophones at IMTR + Francophones at EAMAC						<input type="checkbox"/> EAMAC
							<input type="checkbox"/> JRC
							<input type="checkbox"/> AESA

- Intra-ACP Climate Services and Related Applications Programme



THANK YOU



ClimSA

INTRA-ACP CLIMATE SERVICES AND RELATED APPLICATIONS PROGRAMME



An initiative of the Organisation of African, Caribbean and Pacific States funded by the European Union

