



# AU-EU Science, Technology and Innovation Cooperation



## Climate Change and Sustainable Energy (CCSE) Partnership

**Laurent Bochereau, PhD**

**Minister-Counsellor, Science, Technology and Innovation  
Delegation of the European Union to the African Union**

**Banjul – 5-6/11/2024**

*Research and  
Innovation*

# The AU-EU High Level Policy Dialogue



European  
Commission

## Africa-EU-Partnership

1<sup>st</sup> AU-EU Summit in Cairo, Egypt 2000  
Formal political channel of AU-EU cooperation relations



## Joint Africa-EU strategy (JAES)

2<sup>nd</sup> AU-EU Summit in Lisbon, Portugal 2007  
Long-term strategic partnership of the AU-EU cooperation  
Prioritising Research and Innovation



Facilitate and promote a  
broad-based and wide-ranging  
people-centred partnership



Reinforce and evaluate political  
dialogue between AU & EU



Promote and sustain a system of  
effective multilateralism



Expand AU-EU cooperation in...  
Governance and human rights, trade  
and regional integration, energy,  
climate change, migration, mobility  
and employment  
(amongst others)

## AU-EU High Level Policy Dialogue (HLPD) on Science, Technology and Innovation

3<sup>rd</sup> AU-EU Summit in Tripoli, Libya 2010  
Platform for regular exchange on Research & Innovation (R&I) AU-EU policy

# The AU-EU High Level Policy Dialogue



European  
Commission

Research priorities

## HLPD priority areas for research cooperation



Green  
Transition

**Food and Nutrition Security and Sustainable Agriculture (FNSSA) 2014**

Main tasks:

Promotion of...

- ... sustainable intensification;
- ... agriculture and food systems for nutrition;
- ... expansion and improvement of agricultural trade and markets;
- ... a group of cross-cutting topics



Innovation  
and  
Technology

**Innovation 2019**

Main tasks:

- Support of innovation and technology incubators and accelerators in Africa
- Connecting high-quality tech hubs from Africa and Europe



Public Health

**Climate Change and Sustainable Energy (CCSE) 2017**

Main tasks:

- Initiation of climate actions for adaptation and mitigation of the Paris Agreement in both Africa and Europe
- Development of renewable and efficient energy solutions

**European and Developing Countries Clinical Trials Partnership (EDCTP) 2003**

Public-public partnership between 16 African and 14 European countries, supported by the EU

Main tasks:

- Tackling the disparities and asymmetries in global health & health research
- Reducing the social and economic burden of poverty-related diseases in developing countries (incl. vulnerable populations)
- Strengthening national health research capacities in Africa



THE AFRICA-EU PARTNERSHIP  
LE PARTENARIAT AFRIQUE-UE



# Climate Change and Sustainable Energy Partnership: Drivers in 2017



- Understanding the **climate risks**
- Delivering **knowledge** to support **adaptation and mitigation measures**
- Fostering European **transition to sustainable energy production**
- **Global policy commitments:**
  - **UN Sustainable Development Goals SDG 7 Affordable & Clean Energy, SDG 13 Climate Action**
  - **Paris agreement – COP21 in 2015**
  - **EU climate and energy union packages**
  - **AU Agenda 2063, STISA 2024**



# CCSE Implementation: Expert Working Group

European  
Commission

- ❑ Address the SDGs towards low-carbon and climate resilient economies
- ❑ Contribute to building resilient and sustainable energy systems to support economic growth demands in Africa and to harness the great potential of a growing youth generation
- ❑ Accompany and monitor the implementation of the measures under the CCSE roadmap by developing (i) an Action Plan, as well as (ii) a Monitoring and Evaluation framework.
- ❑ Formulate recommendations and suggestions to updates of the CCSE roadmap and to possible actions



Composed of representatives from AUC, EC, AU and EU experts

# CCSE Implementation : Projects (1/3)



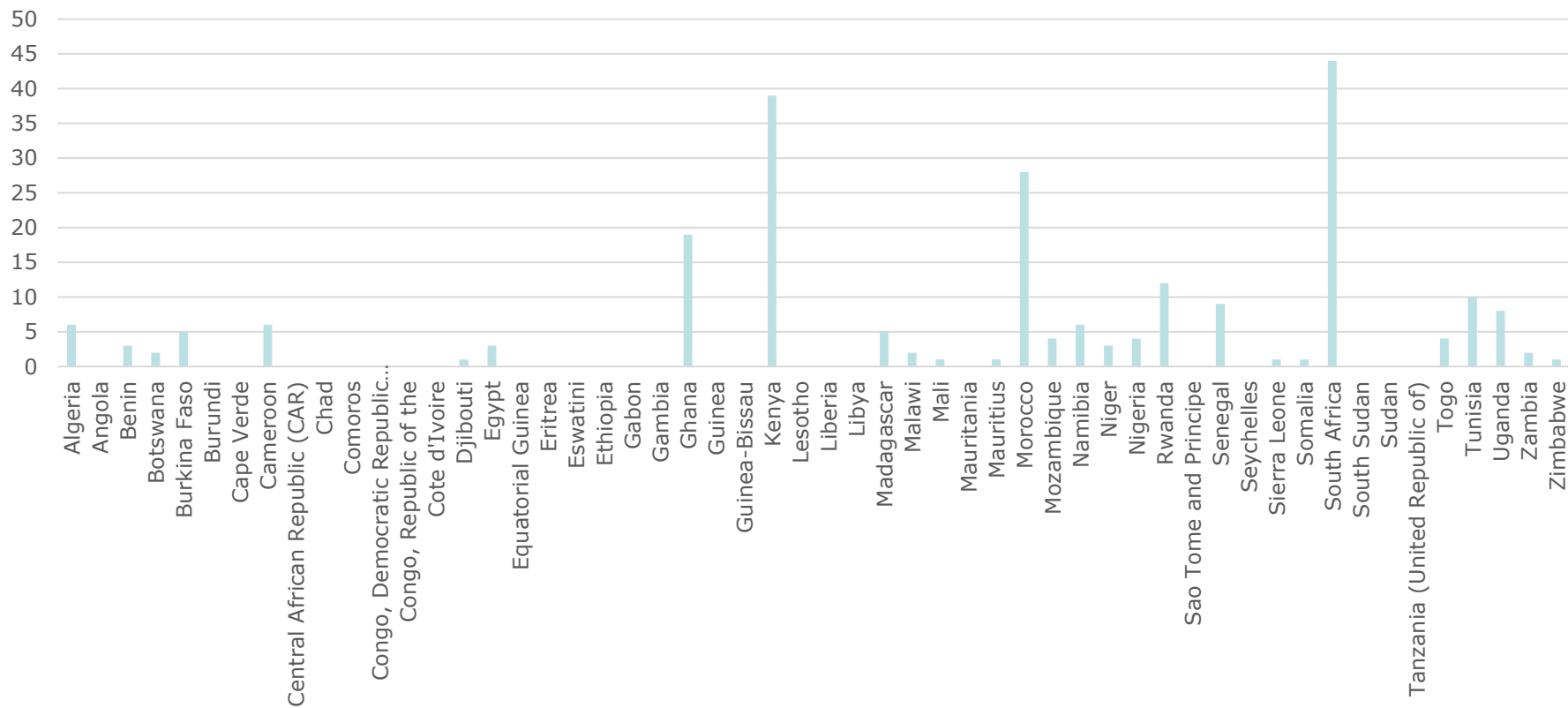
- ❑ Total number of projects: **72**
  - ❑ **49 running projects from EU calls :**
    - ❑ **13 on climate services (10 M€)** and 36 on sustainable energy
    - ❑ 26 from topics not requesting African participation
  - ❑ **23 from LEAP-RE calls**
  
- ❑ Overall Participation
  - ❑ **177 (250) African organisations, 28 African countries**
  - ❑ **425 (717) European organization, 27 European countries**



# CCSE Implementation : Projects (2/3)



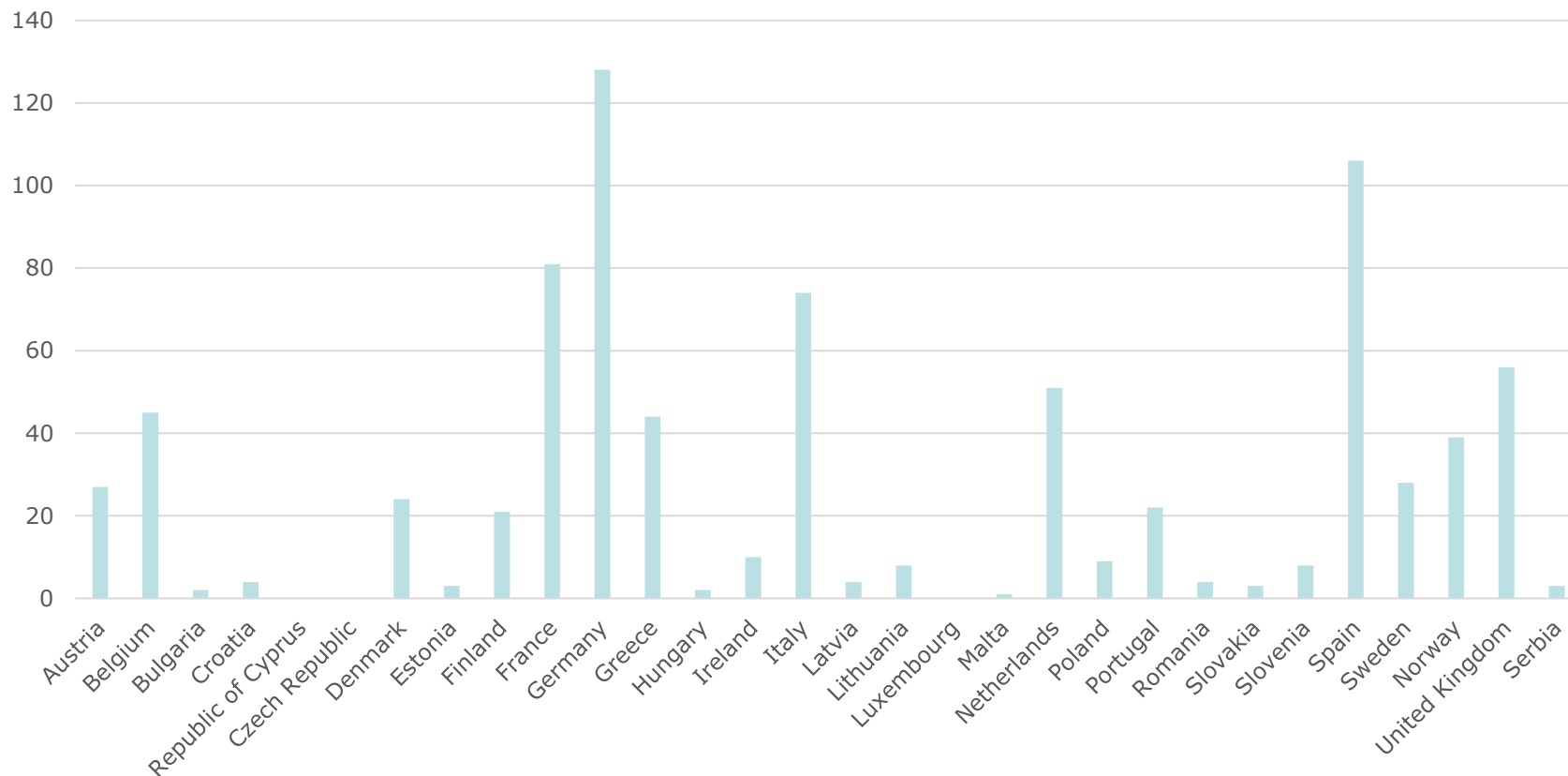
Participants per African country



# CCSE Implementation : Projects (3/3)



Participants per European countries







# LEAP RE Project (2021-2025)

[www.leap-re.eu](http://www.leap-re.eu)

- **Joint programme of activities with a long term perspective**
  - Pillar 1: **Joint call for proposals** (African and European agencies)
    - First call (2021): 13 projects funded
    - Second call (2023): 10 projects funded
  - Pillar 2: **8 research actions**
  - Pillar 3: **Future long-term collaboration (LEAP-SE)**
- 31 countries: 20 from Africa and 11 from Europe
- 83 organisations: 39 from Africa and 44 from Europe
- Total Project Cost: 32,55M€
- Total EC Funding: 14,95M€

# LEAP-RE Multi-Annual Roadmaps

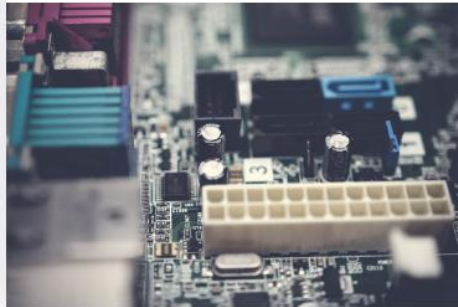
## MULTI-ANNUAL ROADMAP #1

Evaluation of priority joint research and innovation actions for next step development of renewable energy systems



## MULTI-ANNUAL ROADMAP #2

End-of-life and second-life management and environmental impacts of renewable energy components



## MULTI-ANNUAL ROADMAP #3

Smart stand-alone systems to ease the access to energy in all its forms



## MULTI-ANNUAL ROADMAP #4

Smart grid (different scale) for off-grid application solutions capable of integrating a diverse mix of Renewable Energy Sources for supply to small and medium-sized communities



## MULTI-ANNUAL ROADMAP #5

Processes and appliances for productive uses to prioritize boosting small-scale farmers' productivity and incomes in the agricultural production stage and creating off-farm employment in expanding segments of food supply and value chains



## MULTI-ANNUAL ROADMAP #6

Innovative solutions for priority domestic uses (clean cooking and cold chain) to address challenges related to traditional cooking systems, and promoting sustainable biomass harvesting and collection



# Projects Funded by DG INTPA



## ➤ **Global Framework for Climate Services (2020-2025 – 22 M€)**

- Structured interaction between users, researchers and climate services providers in Africa through **User Interface Platforms (UIPs)**
- Provision of **climate services** at continental, regional and national levels
- Improved access to climate information through strengthening **observation and monitoring systems**, as well as **research, modelling and prediction**
- Enhanced capacity of African regions to generate and apply climate information and products relevant to their **particular concerns**
- **Climate-informed decision-making** in Africa is enhanced and climate services are mainstreamed into policy processes at regional and national levels.

## ➤ **Intra-ACP Global Climate Change Alliance (2020-2025 – 9 M€)**

- Enhanced capacity of AUC and ECCAS to facilitate the implementation of **Africa's key flagship programmes on climate change** at the regional, sub regional and national levels
- Facilitated implementation of **Nationally Determined Contributions (NDCs)** and the Paris Agreement on climate change at regional, sub-regional and national levels
- **Stronger African voice** in climate negotiations and an African Common Position
- Enhanced **resilience of communities vulnerable to climate change**.
- Strengthened national capacity to mobilise and manage **climate finance**

## ➤ **Global Monitoring for Environment and Security (GMES) and Africa**

# CCSE Next Steps

## ➤ **Horizon Europe Work-Programme 2025**

- Being drafted
- To be published in Q1 2025

## ➤ **Expert Working Group**

- Start of monitoring, evaluation and learning from existing activities
- Developing the next steps on climate actions and sustainable energy

## ➤ **Joint Calls**



### **Funding & Tender Portal**

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/horizon>



# Follow us, engage and keep up to date via:

- [EU-Africa Cooperation in Research and Innovation](#)
- [AU-EU High-Level Policy Dialogue on Science, Technology and Innovation](#)
- [EU-Africa R&I Cooperation Factsheet](#)
- [Horizon Europe website](#)
- [Africa Initiative I Factsheet](#)
- [Joint AU-EU Innovation Agenda: Presentation, Promotional Video, Working Document and Pre-print of Commentary Paper](#)
- [International Cooperation website](#)
- [Union for the Mediterranean \(UfM\) Portal](#)
- [Euro-MED Factsheet](#)
- [Horizon Europe Funding & Tenders' Portal](#)
- [National Contact Points \(NCPs\) Portal](#)

