## 2030 - 300GW



Initiative Africaine pour les Énergies Renouvelables

# Continental experience on Digitalization of Renewable Energy

13 October 2022, Morocco, (Hybrid) 14:00-16:00 (GMT)

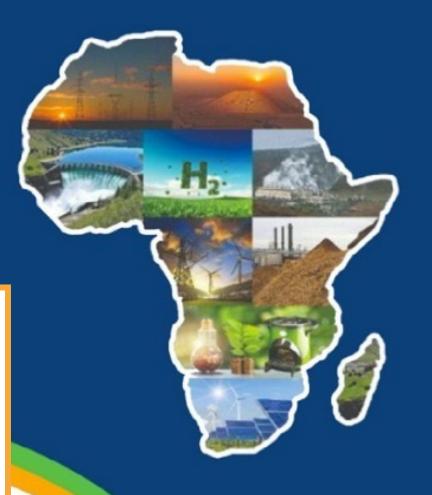


THE AFRICA-EU PARTNERSHIP

LE PARTENARIAT AFRIQUE-UE



**Africa-EU Energy Partnership** 





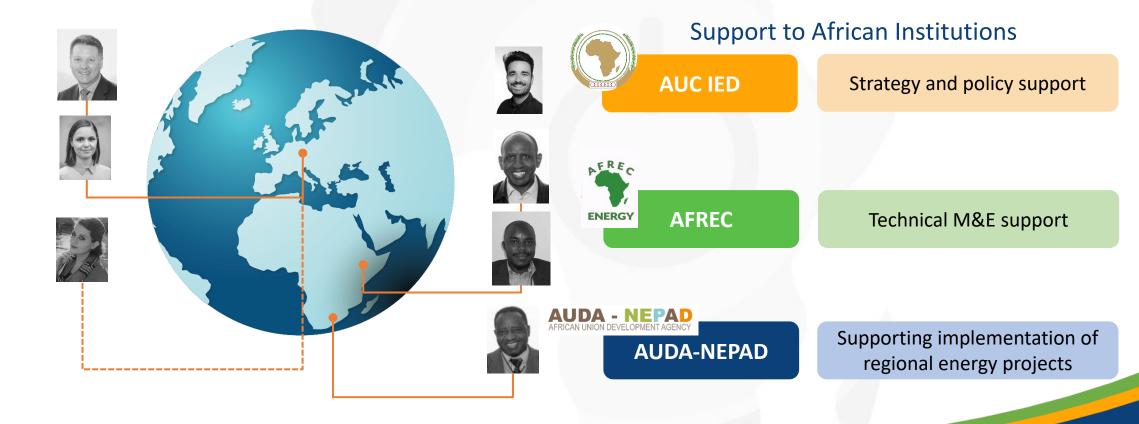
### The Africa-EU Energy Partnership (AEEP)

- **Launched** by African and European Heads of State at the AU-EU Summit in Lisbon, **2007**.
- The green bridge between Africa and Europe
  - Facilitates Bicontinental political dialogue and green diplomacy (formal and informal);
  - Facilitates dynamic (operational) alignment on energy transition intra Africa and bi-continentally;
  - Custodian of just energy transition and SDG7
     initiatives at bi-continental level monitors progress
     and showcases joint action
  - Generates know-how and exchange.



## **AEEP Personnel 2022**





## **AEEP Activity Areas**





- Regular alignment on bi-continental priorities in Steering Group Meetings and support to major events (e.g., AU-EU Summit)
- Inputs to key initiatives (e.g., "SEI Platform", "Africa-EU Green Energy Initiative")
- Embedded advisors to AUC and AUDA-NEPAD

Fostering Political Dialogue



- Monitoring Report highlighting EU contributions to SDG7 in Africa
- Supporting the African Energy Commission (AFREC) in the digitalisation of the African Energy Information System
- Mapping of Energy Initiatives in Africa

Showcasing Joint Action



- High-Level AEEP Forum in October 2021 and September 2022.
- Webinar series "AEEP Energy Talks" on key topics (e.g. green hydrogen, wind energy in Africa, AU-EU alignment for COP27)
- Publishing expert insight studies and policy briefs

Generating Know-How and Exchange

## **Digitalization in AFREC Activity Areas**





- Collect, validate and disseminate energy statistics and energy indicators
  - Energy balance for all African countries
  - Energy efficiency indicators for residential, industrial, transport and service sectors
  - Energy prices and taxes
  - SDG7 & NDC en tracking for all African countries
- Develop and publish policy papers and energy briefs
- Training of regional Trainers
- · Establish AFREC School of Statistics
- Establish NDC Centre for Africa

African Energy Information System and Energy Statistics



- Energy Transition Programme
   Regional approach of de-carbonisation policies and strategies
- Energy Efficiency Programme
   Regional and national action plans / investment strategies
- Bioenergy Programme
   Improved monitoring for sustainable policies
- · Oil and Gas Programme
- Capacity Building Programme on Energy Sector Renewable energy planning & policy mapping of renewable energy resources in Africa

Overview of Energy Programmes



# **AEEP, AFREC & AfDB: Digitalization of Tools for Gathering and Analysing African Energy Data**



#### **ToT with AFREC**

The AEEP continues to support AFREC's series of Training of Trainers (ToT) courses for African energy statisticians to further the digitalisation of the African Energy Information System.



#### **MMEIPA**

MMEIPA aims to enhance transparency and coordination of initiatives that support Africa's energy future.

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### **MMEIPA**





Provides access to 300+ energy initiatives and programmes in Africa

Mapping and Monitoring of Energy Initiatives and Programmes in Africa (MMEIPA) provides the basis for an ongoing coordination effort, led by African stakeholders, that will help development cooperation on energy in Africa.

# **Digitalization Outlook in Renewable Energy**



#### **Specific Support Studies of the Continental Power Systems Masterplan (CMP)**

#### **Ongoing studies**

- 1. Solar Energy
- Wind Power
- 3. Geothermal
- 4. Green hydrogen
- 5. Battery Energy Storage Systems
- 6. Hydro pumped storage systems

#### **Synergy Opportunities on Pending Studies**

- Reaching the Last Mile with Access to Electricity and leaving no one behind in PIDA Corridors
- The Role of Distributed Power Systems in Universal Access to Electricity and future Integration to national, Regional, Continental Electricity Markets
- 3. Link between CMP, Africa Industrialisation, Integrated Economic Corridor Development and AfCFTA
- 4. Financing Mechanism of the CMP Projects





Presented by: Crispen Zana

Principal Energy Advisor at AUDA-NEPAD

Email: crispen.zana@aeep-secretariat.org