



AMCEN

The Africa Renewable Energy Initiative

Dr. Mohamed ABDEL MONEM
Ministry of Environment

African Renewable Energy...Why?

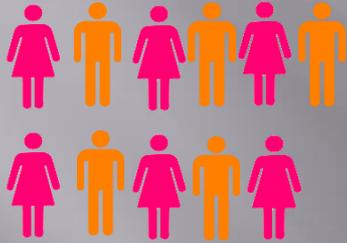
- ❖ 2/3 of Africans with no access to electricity services.
- ❖ Sub-Saharan Africa has the world's lowest electricity access rate, at only 32 %
- ❖ "access to energy" for **human development** and **prosperous economic development** and **job creation** (7% Annual growth rate),
- ❖ Renewable energy resolves the two main challenges expanding energy access and limitation of climate change impact.



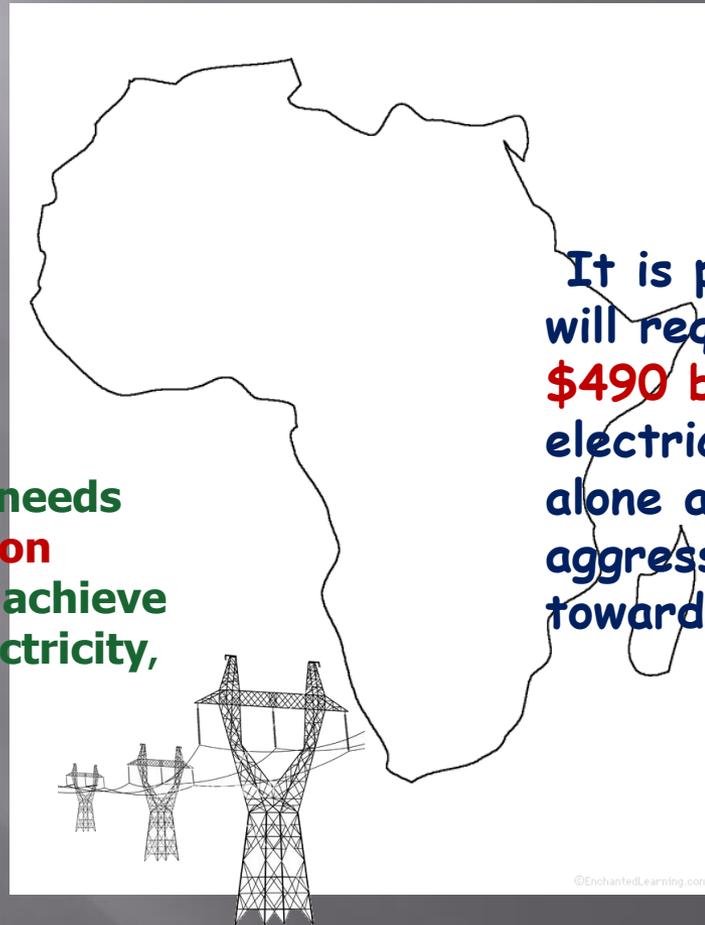


- **Indoor pollution due to biomass fuel used by 80 % in Africa kills 600,000 annually.**
- **In primary schools in some countries, 80 % primary schools have no electricity.**

INVESTMENTS NEEDED TO ACHIEVE THE SDGS IN AFRICA



Africa's energy sector needs investment of **\$55 billion** annually until **2030** to achieve universal access to electricity,



It is projected that the region will require investment of up to **\$490 billion** by **2040** for new electricity generation capacity alone and 31% more for an aggressive focus on renewables toward achieving SDG 7

●At the June 2015 African Union Summit in Johannesburg, the AU Assembly established a technical group chaired by AMCEN President, comprised of AUC, N

Mandate to AMCEN

- At the June 2015 African Union Summit in Johannesburg, the AU Assembly established a technical group chaired by AMCEN President, comprised of AUC, NEPAD Agency, AGN, AfDB, UNEP and IRENA to formulate concrete proposals and projects, in order to avoid duplication and ensure unity of purpose for Africa, in line with Agenda 2063.

The Africa RE Initiative is...

- ❖ African owned and led initiative.
- ❖ Africa-led sustainable development oriented.
- ❖ Major productive sectors oriented.
- ❖ Climate proof.
- ❖ Open to wide participation.
- ❖ Partnership.
A *framework* that cultivates *partnerships* and *synergies* among *existing and future Renewable E efforts*

Goals

- ▣ 1) Help achieve Sustainable Development, enhanced well-being, and sound economic development by *ensuring universal access to sufficient amounts of clean, appropriate and affordable energy.*
- ▣ 2) Help African countries *leapfrog towards renewable energy systems* that support their low-carbon development strategies while enhancing economic and energy security.

Expected results by 2030

- ❑ Deliver at least 10 GW of new and additional electrical installed capacity by 2020.
- ❑ Deliver at least, 300 GW of new and additional capacity by 2030.

AREI Guiding Principles

According to its guiding principles, AREI shall:

- ❖ Contribute to achieving sustainable development in Africa.
- ❖ Address the entire African continent and benefit all African countries.
- ❖ Boost intra-regional and international cooperation and only promote and support activities and projects that are agreed by the concerned and impacted countries.
- ❖ Promote all kinds of renewable energy technologies, in particular solar; wind; pico-, micro-, small- and medium-scale hydro; modern biomass; geothermal; and marine, provided they are socially and environmentally appropriate, gender sensitive and in line with these guiding principles.
- ❖ Promote the full range of renewable electricity applications, from grid-connected to mini-grids to small stand-alone systems, as well as other forms of energy, with particular consideration on applications that meet the needs of poor people.

Governance and Management



Process and Landmarks

- Introduced by the President of Egypt as coordinator of the CAHOSCC and endorsed by the CAHOSCC members in New York, on 25 September 2015.
- The TWG chaired by AMCEN organized a meeting on 4 October 2015 in Cairo with partners representing the German Presidency of G7, the French Presidency of COP21. Summary of the AREI Framework document and Action Plan was discussed and agreed upon.
- Announced as part of the finance package for Paris COP-21, at the special ministerial at the meetings of the World Bank Group and International Monetary Fund organized in Lima, Peru on 9 October 2015.
- The President of Egypt, the Coordinator of the CAHOSCC launched the initiative during COP 21, in Paris and at Action Day on 5th December 2015, and Energy day on 7th December 2015.
- The AREI was received with great interest from the international community. The amount of pledges made by France, Germany and other developed countries, in order to support the implementation of the renewable energy in Africa reached \$10bn.

Process and Landmarks: Update

- ❖ AU Assembly in its Summit in January 2016 provided clear directions to AfDB, AMCEN and AUC to complete their work to finalize the AREI governance framework.
- ❖ TWG and the developing partners met on 30 March -1 April 2016 to take the necessary steps to operationalize the AREI. They discussed the legal and financial instrument of the initiative.
- ❖ Number of key milestones for 2016 were agreed. Updates on the operationalization and implementation of the AREI was presented at the 6th special session of AMCEN, Cairo, April 16-19, at the New York signing ceremony on the Paris Agreement 22 April.
- ❖ International development partners were invited to interact with the TWG for specific sessions of the meeting. The partners confirmed their strong support for the AREI and urged the TWG to proceed with activities and the establishment of the interim Delivery Unit for an initial period of 6 months which France and Germany would support financially.

AMCEN follow up

Decision 5/SS6 of the AMCEN Special Session held in Cairo 16-19 April 2016 calls for:

- Recalling the decisions by the AU Assembly, (Assembly/AU/ Dec.580/XXV) and (Assembly/AU/ Dec.603/XXVI)], and acknowledges the progress that has been made with regard to developing the AREI;
- Commends the efforts of the President of AMCEN and TWG calls for finalization and operationalisation of the AREI;
- Expresses appreciation for the support expressed by development partners to AREI, and urges on them to scale up their support, in order to meet the 300GW target by 2030;

Thank You!

monemun123@gmail.com