



Business to Government Event

Climate Change and Renewable Energies in Zambia

Zambian-Italian Cultural Centre, Lusaka

March 17th 2020

Promoted and organized by the Embassy of Italy in Zambia

in partnership with





Context

Recently the effects of climate change have become apparent throughout the world with new record temperatures causing unprecedented bushfires in the Amazon and Australia. Also Zambia was not spared, as recent droughts have not only become a burden to the safe and sufficient provision of electricity in the country, but also to economic growth and agricultural output.

In the face of an imminent climate crisis and aided by rapidly advancing technological progress, a trend towards the large-scale development of renewables is observed around the world. A trend that holds many benefits especially for countries that are particularly vulnerable to the effects of climate change, such as Zambia.

As the IEA predicts that around 260 GW of RES capacity will be added in Africa until 2040, representing 69% of total newly added capacity, around 1.5 trillion USD of investments in both generation and grid assets will be required. The future of Africa's energy sector will play a crucial role in the "Agenda 2063: The Africa We Want", since it will be pivotal for local sustainable development and climate change mitigation.

Being blessed with up to 3,000 hours of sunshine a year, Zambia carries enormous potential for the scale up of solar PV plants – unlocking this potential cost-effectively will be the key to providing sustainable electricity to all.

About the event

Diversifying the energy mix with variable renewables will bring cost and reliability advantages additionally to the positive climate impacts.

This business-to-government event, promoted and organized by the Embassy of Italy in Zambia in partnership with RES4Africa Foundation, is aimed at:

- Outlining and nurturing opportunities for collaboration in the field of renewable energies, as answer to the climate crisis;
- Discussing financial guarantees and some of the key barriers to investments;
- Facilitating business-to-business meetings.

Following the signing of a MoU between the Italian and Zambian Ministries of Environment, expertise from both countries will create a highly fruitful knowledge exchange on climate change issues. Combining the experience and lessons learned of all stakeholders attending this event, clear messages will contribute to building blocks defining Zambia's future.

The RES4Africa Foundation has supported Zambian stakeholders in a clean energy transition since 2018 and is committed to continuing this support also in the future. The most recent collaboration between RES4Africa, Enel Foundation, CESI, the Ministry of Energy, ZESCO and ERB resulted in a RE Grid Integration Study, which assessed the maximum amount of variable renewable energy that can be integrated into the grid while maintaining its stability. The event will offer the opportunity to discuss the results of this study.