Renewable energy solutions to power Africa: bridging the gap for off-grid renewable energy deployment

The IEA Renewable Industry Advisory Board (RIAB) and the Coalition for Action of IRENA, in partnership with the South African Renewable Energy Council (SAREC) and REN21 organized a side event at SAIREC on decentralized renewable energy systems including mini-grids as an appropriate solution to provide reliable and competitive electrical services in the off-grid areas. RES4MED is happy to share with you the outcomes, as we co-organized the event together with our partners, being proudly member of the IRENA Coalition for Action and of REN21. Our Secretary General took part to the conference displaying our commitment to deploy distributed renewable energy generation.

Due to renewable energy technology development, off-grid solutions have become an affordable technology for local energy systems. Therefore, mini-grids can be a viable and cost effective options to electrification where the distance from the grid is too large and the population density too low to economically justify a grid connection. Read more.

News

Egypt set to encourage waste-to-energy systems

The country is preparing to introduce a feed-in tariff for such projects said Mohamed El Sobki, executive chairman of Egypt’s New and Renewable Energy Authority. Establishing a clear framework to encourage investment in the renewables sector should be a priority for the Egyptian government.

Egypt to launch First solar-powered underground water pumping station

Egypt’s electricity sector has adopted plans to cover 20 percent of its energy needs from renewable sources by 2020. The new station will use sunlight to pump water from a lake Nasser to irrigate agricultural land on the two banks of the Toshka New Valley project, instead of relying on running an outside power line to the area.

Morocco poised to become a solar superpower with launch of desert mega-project

World’s largest concentrated solar power plant, powered by the Saharan sun, set to help renewables provide almost half the country’s energy needs by 2020. When the full complex is complete, it will be the largest concentrated solar power (CSP) plant in the world, and the first phase, called Noor 1, will go live next month.

Algeria wants to benefit from the support of the Green Climate Fund (GCF)

The programme provides for the production of 22,000 MW over the period 2015-2030 with a share of almost 27% of renewable energies in electricity production. It also focuses on the development of photovoltaic and wind power sectors, in addition to the introduction of biomass sectors (waste recovery), cogeneration and geothermal.

Knowledge Management System | Reports

IRENA, Africa 2030: Roadmap for a Renewable Energy Future
IRENA, Smart Grids and Renewables: A cost-benefit analysis guide for developing countries
IEA, ETSAP, IRENA, Renewable energy integration in power grids

Event

South Africa International Renewable Energy Conference SAIREC

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Side event at SAIREC

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