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What is the energy access problem in Mali?
Mali faces a critical energy access challenge. The national power access rate was 50% in 2019 (compared to 36.11% in 2015). The problem is particularly acute in rural areas with 21.12% access rate in 2019 (compared to 15.75% in 2015).

Is Mali ready to scale up renewables?
The Ministry, working through the Mali Renewable Energy Agency (AER-Mali), has initiated a partnership with the International Renewable Energy Agency (IRENA) to assess Mali's readiness to scale up renewables.

Why is Mali reducing the share of renewables in the electricity mix?
In Mali,a decline is expected in the relative value of the share of renewables in the electricity mix due to an increase of electricity imports(generated from non-renewable sources) from the regional market (Côte d'Ivoire,Ghana,Guinea and Nigeria).

What are the main sources of electricity in Mali?
At present,thermal and large-scale hydropower plantsare the main sources of electricity supply on the national grid. Renewable energy could provide the most competitive form of power in Mali due to today's advanced technological reliability,declining technology costs and high resource potential.

Why is the RRA process difficult in Mali?
Mali's RRA process has faced various obstacles due to the lack of readily available statistical datato enable an assessment of critical energy sector indicators (e.g. total primary energy supply,energy consumption per sector,rural electrification rate).

What should Mali do about renewable-based electricity?
Mali also should provide guidelines and standardsto accommodate renewable-based electricity. Consultation with relevant stakeholders is crucial,since grid connection codes impact on all those involved in the power system. By engaging the relevant parties,codes will be able to be implemented without placing the system in jeopardy.

Energie du Mali (EDM), the state-owned electric utility, is poorly managed and heavily subsidized by the government and financed by regional multinational banks, as the relatively high price of its electricity (average $0.16/kWh) is insufficient to cover the cost of production and distribution ($0.24/kWh).

"Renewable Energy in Mali: Achievements, Challenges and Opportunities," carried out in early 2011 on behalf of the National Directorate of Energy of Mali within the framework of the Scaling Up Renewable Energy Program in Low Income Counties

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Retech Energy focuses on Project Development, Consultancy and the Supply of Technology and Equipment for the Energy and Environmental Industries. Together with a network of worldwide accredited technology partners and local contractors, Retech Energy offers professional services to the growing number of investors in these fields.

Mali"s National Renewable Energy Action Plan (PANER) has set ambitious goals for both conventional and off-grid systems. For a connected system, the installed capacity of renewables, including large hydropower plants, is expected to reach 1 416 megawatts (MW) by 2030, which is a nine-fold increase from 2010.

In recent years, the rate of access to electricity in Mali has surpassed 25%, thanks to a public focus on mini-grid solutions. The government of Mali now plans to increase hybridisation of its mini-grids by adding PV capacity to diesel power plants.

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided

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Mali has vast resource potential for the development of renewable energy. Renewable-based technologies could strengthen agriculture, drive sustainable rural development and improve food security, as well as expanding energy

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