

<div class="df_qntext">What is the Cape Verde electricity project?

The project consists in the design and construction of a set of inter-related electricity generation, network and storage components during the 2023-2029 period under Cape Verde's National Electricity Masterplan (2018-2040).

<div class="df_qntext">How will the Cape Verde water project impact the water sector?

Furthermore, the Project is expected to have a critical indirect effect on the water sector in Cape Verde as most of the country's water supply comes from water desalination, which requires significant energy resources.

<div class="df_qntext">Does seasonality characterize the renewable resource of Cape Verde?

All the analysed scenarios until this point rely fundamentally on HPS to deal with the seasonality characterizing the renewable resource of Cape Verde. As aforementioned, the sizing limit has been established based on current estimates of the total resource of the island.

<div class="df_qntext">Will EIB global help Cape Verde phasing out fossil fuels?

As part of the EU's Global Gateway strategy, EIB Global is supporting this project, which is expected to contribute to the complete phasing out of Cape Verde's reliance on expensive and polluting fossil fuels as its primary source of energy by 2040 at the latest.

<div class="df_qntext">Where is Cape Verde located?

4. The archipelago of Cape Verde Compound by 10 islands, the archipelago of Cape Verde is located in the Atlantic Ocean at about 600 km from continental Africa. With its 540,000 inhabitants spread across 9 islands, this developing state presents an eminently rural characteristic due to its low industrialization level.

<div class="df_qntext">Which Island in Cape Verde is a study case?

We have selected the island of Santiago in Cape Verde as the study case given the available Open Access dataset, and the current goals of the local government of reaching 100% RES-based system by 2050, the ongoing direct and indirect electrification of road and maritime transport via EVs and hydrogen vessels, respectively.

Cape Verde is emerging as a pioneer in sustainability in Africa, thanks to a series of innovative initiatives and international partnerships. The country, composed of ten volcanic islands in ...

Are Cape Verde communities using a solar and wind-based micro-grid? At least three communities in Cape Verde are already using a solar and wind-based micro-grid. A microgrid is a local electricity ...

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In particular, the island of Santiago, Cape Verde is selected as study case given its existing targets regarding reaching 50 and 100% renewable shares in 2030 and 2040, its data ...

Does Cape Verde have solar power? Like many African countries, Cape Verde's tropical location has good potential for solar photovoltaic (PV) electricity. One study suggests that the solar PV capacity ...

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