



Sudan vida energy

VIDA is map-based geospatial software to help attain the SDGs, particularly SDG 7. We enable our users in fields such as electrification, healthcare and agriculture to channel investments, assess sites and monitor impact.

VIDA is a map-based software to help reach the SDGs. We enable our users in fields, such as electrification, healthcare and agriculture to channel investments, run projects and measure impact. VIDA integrates different data streams such as satellite imagery, survey data, sensor data and predicts outcomes and allows teams to collaborate.

VIDA's cutting-edge climate tech bridges critical gaps by delivering sustainable energy solutions to off-grid communities, and with it, propelling the UN's seventh sustainable development goal forward.

Sudan ranks among the highest in household energy consumption in the world. Due to the low price of electricity, combined with the hot climate and inefficiency of appliance, Sudan's level of electricity consumption is very high compared to

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VIDA was tasked by the World Bank with developing a prioritised geospatial list of healthcare facilities for electrification in Sudan, where 60% of the population is unconnected to the grid. VIDA's data enabled decision-makers to identify 1,100 high-priority facilities for electrification based on the proposed impact on the local community.

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This article examines the reality of the RE sector in Sudan and argues that diversifying the range of energy resources exploited will solve Sudan's current energy sector problems. The article thoroughly examines and discusses Sudan's current energy policies with a focus on the challenges and opportunities facing the energy sector.

VIDA analyses a set of EO information layers derived from both Sentinel-1 and -2 satellite imagery, publicly available EO layers and household survey data in combination with machine learning-based algorithms to estimate demographic, economic and growth indicators of the village level to enable microgrids site identification.



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All of these will also facilitate Sudan's clean energy transition which is aligned with Sudan's Nationally Determined Contribution (NDC), which notes the country's ambition to scale solar and wind generation to 1,000MW by 2035 and

VIDA is the leading software for infrastructure investors to assess risks, track their impact and meet reporting requirements. Our mission is to help people understand the world we need and empower them to take swift action towards a better future.

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