

Title: Ouagadougou solar irrigation system

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Are solar-powered irrigation systems a good idea?

The solar pumps are designed to be user-friendly, low-maintenance, and adaptable to different types of crops and farm sizes, making them accessible to even the most remote, underserved communities. Industry data highlights the potential impact of widespread adoption of solar-powered irrigation.

Should Africa scale up solar-powered irrigation?

Woochong Um, CEO of GEAPP, emphasizes the importance of scaling up solar-powered irrigation across Africa. "Agriculture is the backbone of many African economies, yet smallholder farmers continue to face immense challenges in accessing the resources they need to thrive.

What is GEAPP's vision for solar-powered irrigation?

This aligns with GEAPP's broader mission of facilitating a just energy transition in Africa--one that moves away from polluting fossil fuels and toward clean, renewable energy solutions that improve livelihoods. However, the transition to solar-powered irrigation is not without its challenges.

The solar water pumping systems (SWPS) could be an attractive option in view of climate change impacts, increasing diesel costs and grid electricity scarcity that the country suffers.

Ouagadougou, October 17-22nd, 2022, Global Green Growth Institute (GGGI) has enabled the installation of 45 solar pumps in three regions (North, Hauts-Bassins and Center-West) bringing to 50 ...

Methodologically, a variant of the QAToCA research tool called QAT"RRINN, has been applied in four villages around Ouagadougou, where over 30 stakeholders provided ...

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These systems offer a sustainable and scalable approach to improve water access, enhance food security, and

support smallholder farmers, particularly in areas where traditional irrigation methods ...

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