

Sucre Solar Ecosystem Design





Overview

Renewable energy production is gaining momentum globally as a way to combat climate change without drastically reducing human energy consumption. Solar energy offers the fastest developing solution. Ho.

How does solar energy impact ecosystem services?

In the United States, solar energy is forecasted to generate roughly 45% of the electricity by 2050. Although solar energy mitigates the negative effects of climate change by providing electricity without releasing greenhouse gases, little is known about the implications of solar energy development for ecosystem services.

Should ecosystem services be included in future solar energy development decision-making?

This study provides a holistic assessment of incorporating ecosystem services in future solar energy development decision-making and presents an approach for minimizing trade-offs and maximizing sustainable outcomes.

How do utility-scale solar installations affect ecosystem services?

Utility-scale solar installations can vary widely in their effect on ecosystem services 3: land grading and removal of vegetation beneath PV panels has the strongest and most obvious negative effects.

Can solar suitability modeling be used in ecosystem service evaluation?

By incorporating solar suitability modeling with ecosystem service evaluation, we develop a method that provides a comprehensive understanding of potential techno-ecological trade-offs.



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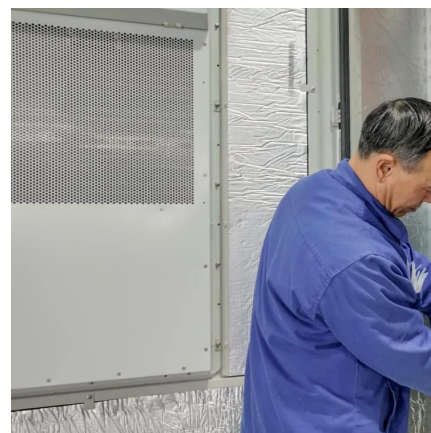
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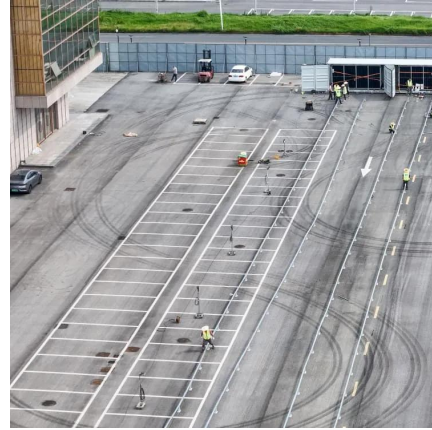
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