Harvesting the Sun Twice: Co-using Land for Sustainable Food and Electricity Production in East Africa

Greg Barron-Gafford
Climate change is pushing our water resources towards a tipping point.

LOW ON WATER, CALIFORNIA FARMERS TURN TO SOLAR FARMING

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We want to increase renewables, but those may also be vulnerable.
We must work towards **resilient food, energy, and water solutions**...
Co-locating agriculture + renewable energy could = food, energy, and water benefits

Create ‘agrivoltaics’ systems to:
1. Adapt food systems to survive drought and temperature stress
2. Improve renewable energy production through transpiration
3. Ease our dependence on irrigation
Biosphere 2
Agrivoltaics
Learning Lab
Global Partnerships:
Harvesting the sun twice: could agrivoltaics enhance energy and food security in East Africa?
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Harvesting the sun twice: could agrivoltaics enhance energy and food security in East Africa?
Global Partnerships:
Co-locating Agricultural + Solar Energy Production for a Sustainable Future (Arabah / Arava region)
THANK YOU!
To learn more, please visit: www.TheSolarFarm.org