

ENERGY COMMUNITIES REPOSITORY

Workshop ABILITARE ENERGIE DI COMUNITÀ

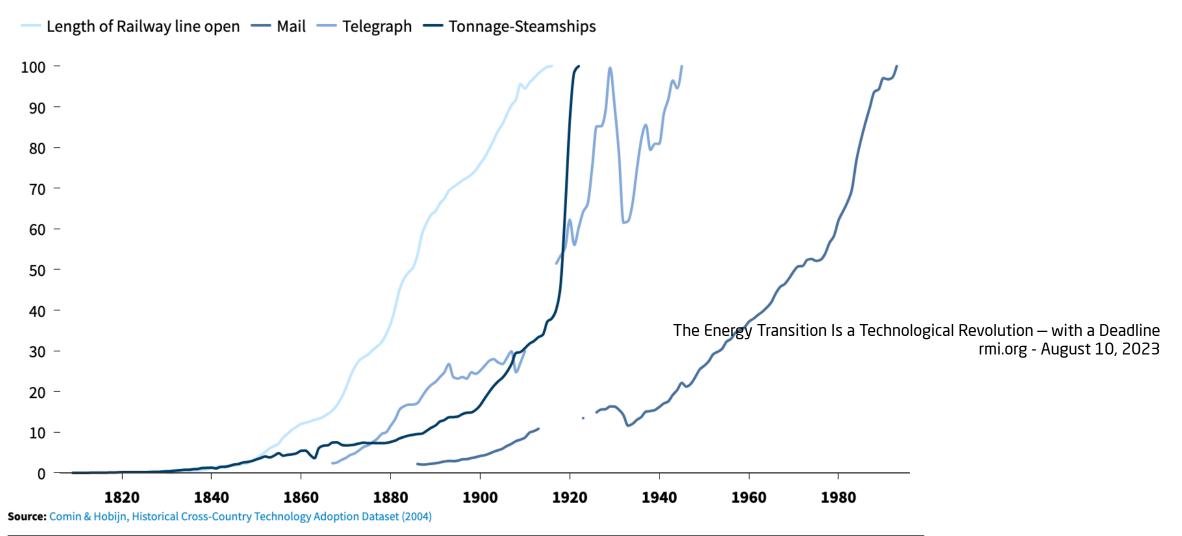
DEMOCRAZIA ENERGETICA E COMUNITÀ ENERGETICHE RINNOVABILI: DAGLI SCENARI INTERNAZIONALI ALLE PRATICHE LOCALI

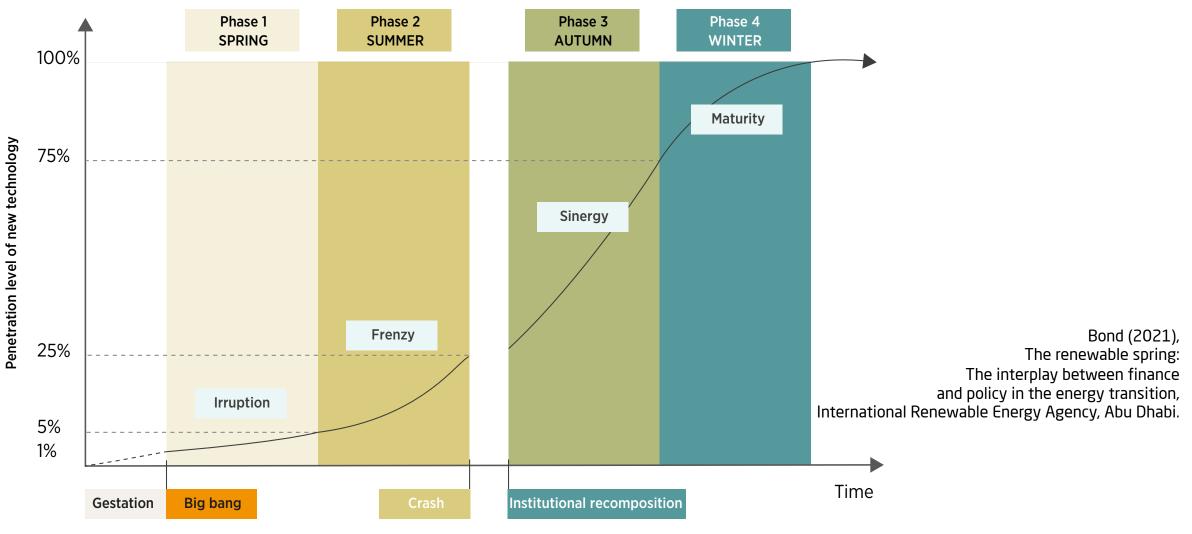
Gianluca Ruggieri Università dell'Insubria ènostra



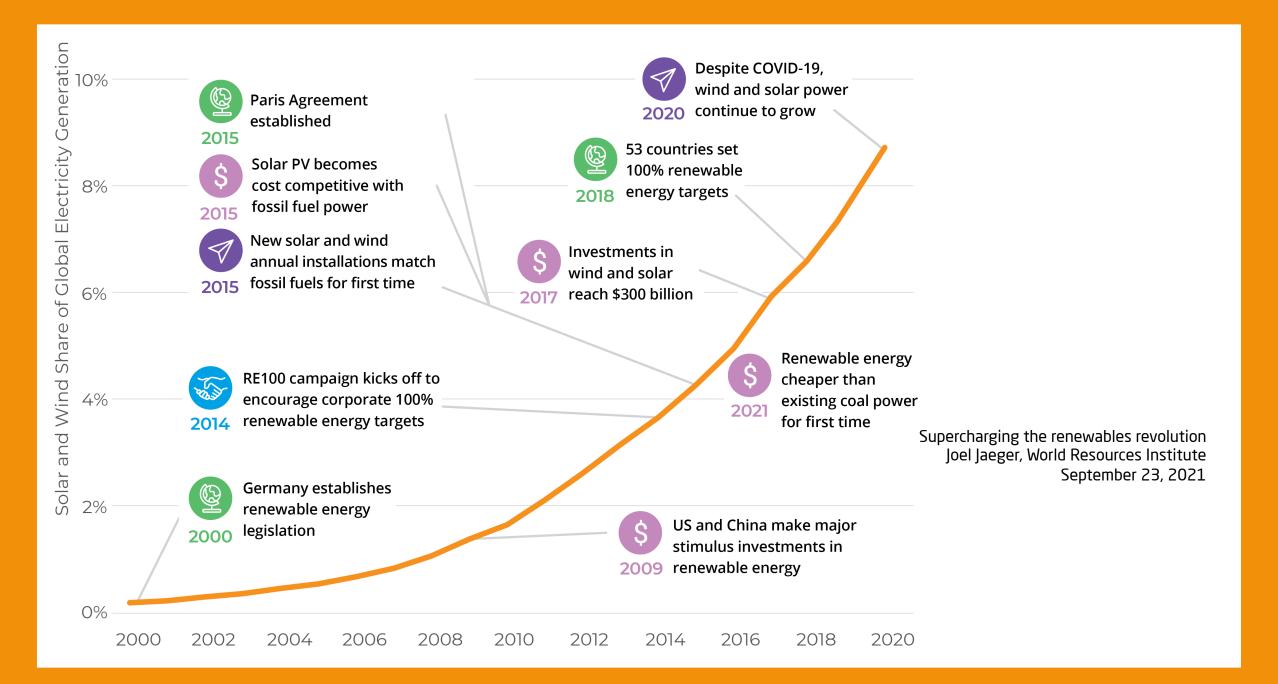
Adoption of key technologies during the Industrial Revolution, United States

% of maximum recorded ("peak") value in timeseries



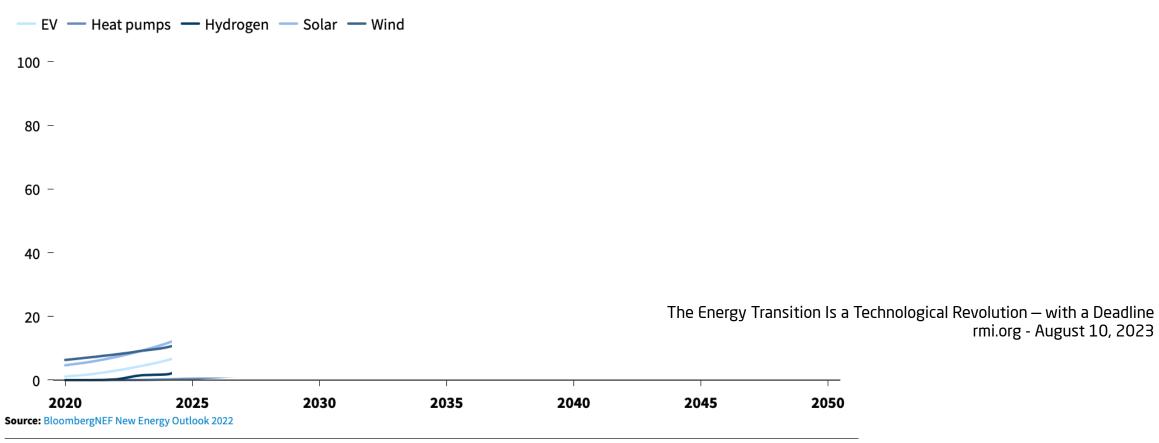


Source: Adapted from Perez (2002).



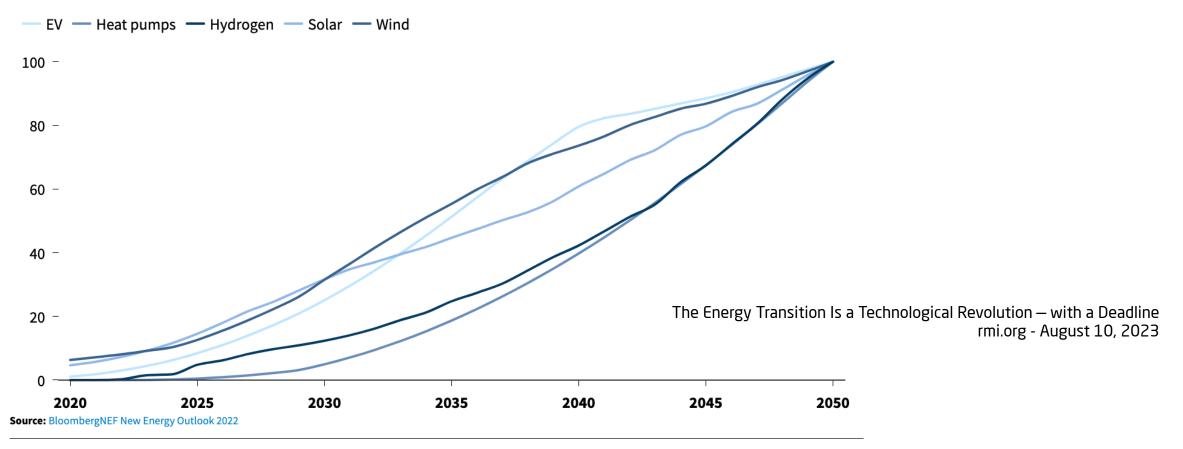
Adoption of key technologies during the energy transition, global

% of cumulative capacity in 2050



Adoption of key technologies during the energy transition, global

% of cumulative capacity in 2050



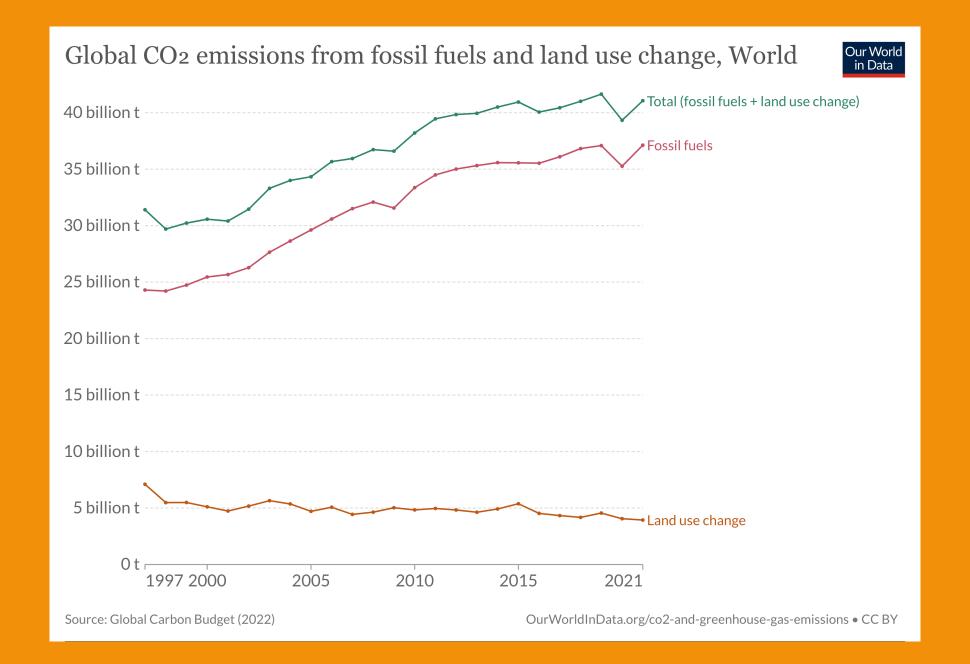
Evolution of renewable energy targets



"The transition to clean energy is happening worldwide and it's unstoppable. It's not a question of 'if', it's just a matter of 'how soon' - and the sooner the better for all of us"

Fatih Birol Executive Director, IEA nternational Energy Agency "When we look back 10 years from now, we will see that 2022 was a major milestone in the history of energy, where we saw a turbocharging of the clean energy transition."

Fatih Birol Executive Director, IEA nternational Energy Agency



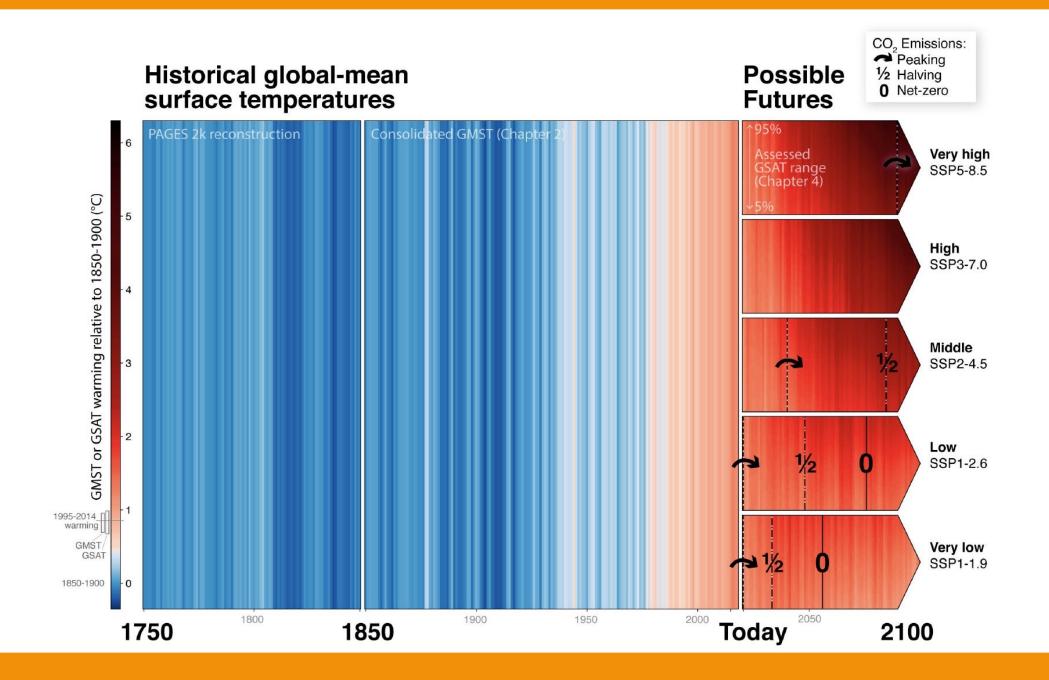
Anche se ancora non si vede, le rinnovabili hanno vinto

e allora perché sbattersi ancora?



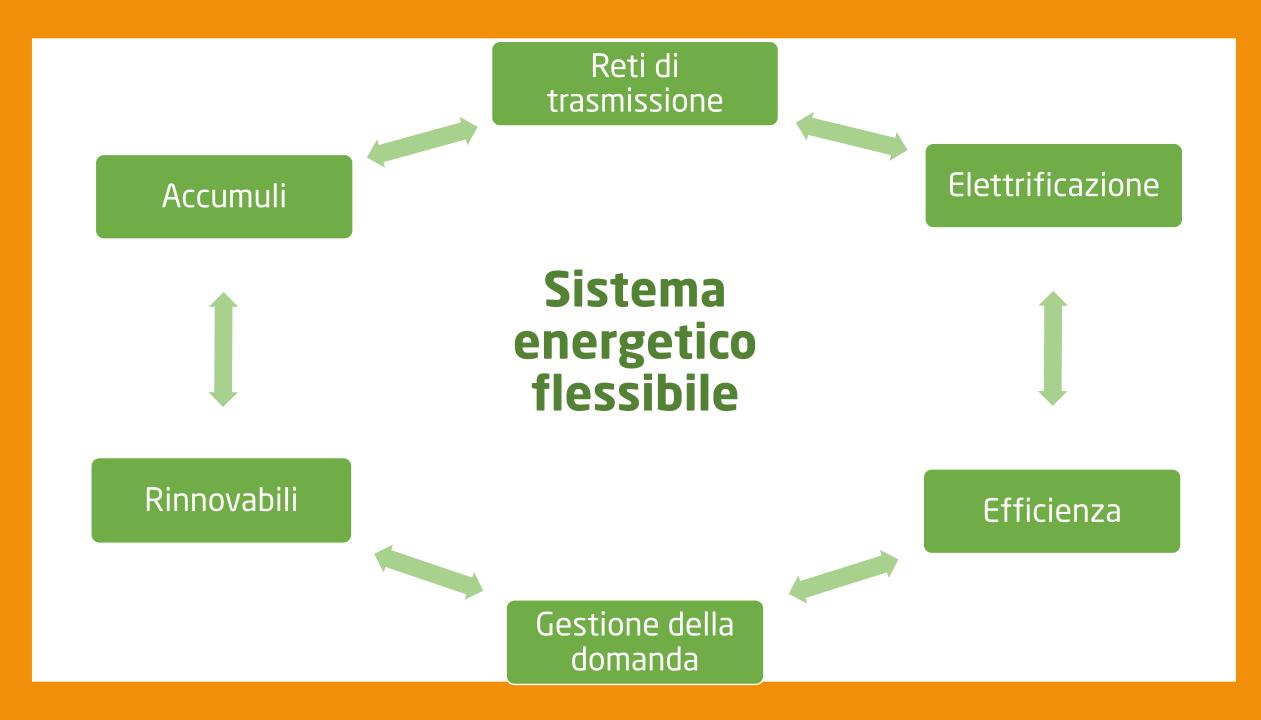
Primo

perché «quando» non è indifferente



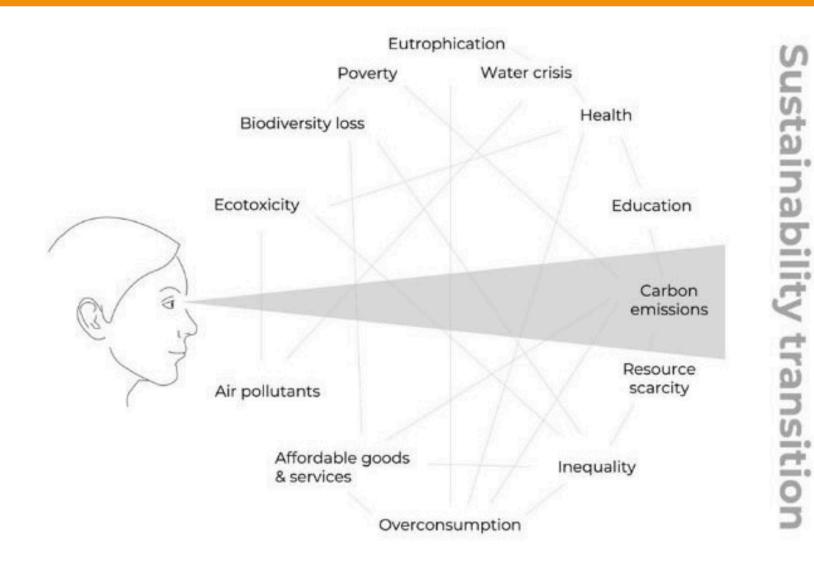
Secondo

perché le rinnovabili sono solo un pezzo della soluzione



Terzo

perché il clima è solo un pezzo del problema

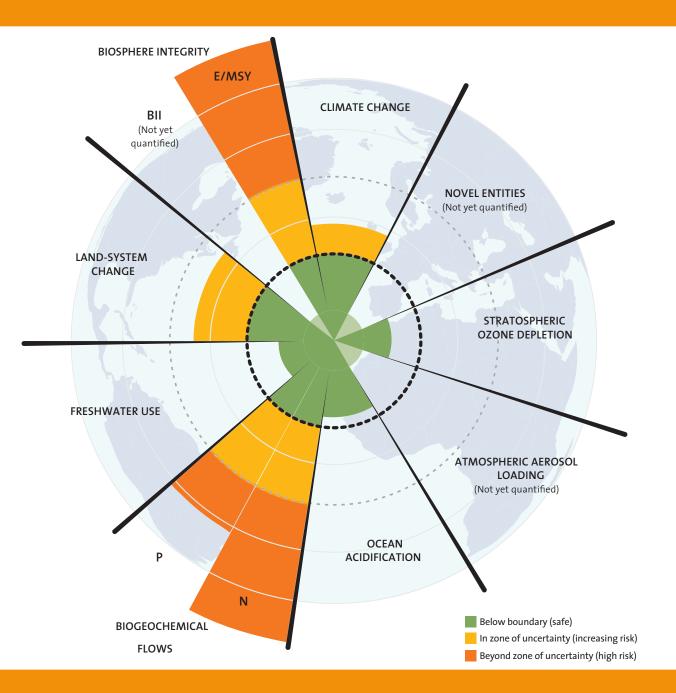


Carbon tunnel vision

Graphic by Jan Konietzko



Stockholm Resilience Centre



2021



OBIETTIVI PER LO SVILUPPO SOSTENIBILE

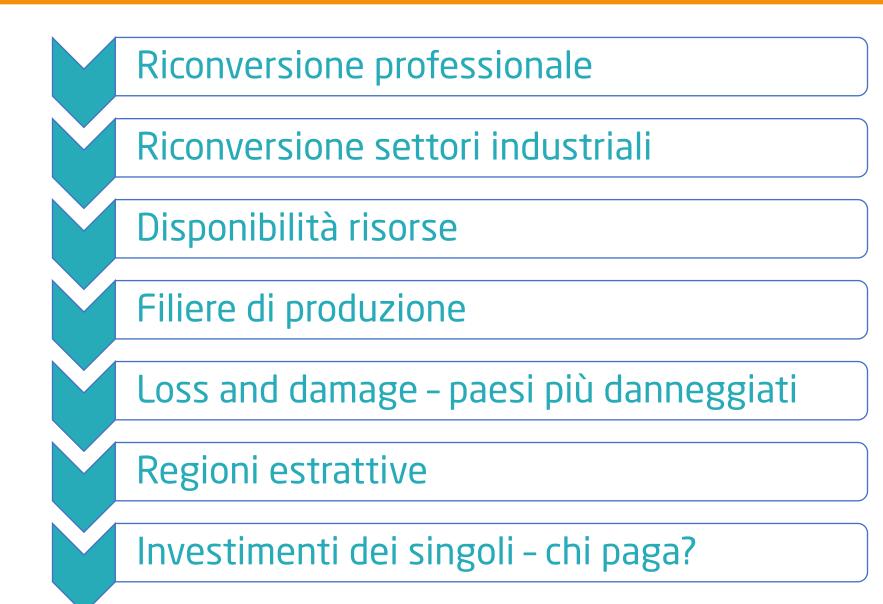


17 obiettivi 169 traguardi misurabili

Quarto

perché le sfide da vincere sono tante





Quinto

perché serve innescare processi di cambiamento generativi



Sesto, e ultimo

perché più rinnovabili non vuol dire per forza più democrazia o più pace



ARTICLE OPEN

Check for updates

Does climate action bring peace? Assessing the geopolitics of renewables using global investment data

Juergen Braunstein¹, Andreas C. Goldthau ^{2,3 M} and Konstantin Veit⁴

The transition toward renewables is central to climate action. The paper empirically tests whether renewables also enhance international peace, a hypothesis discussed in the International Political Economy (IPE) of renewables literature. It develops and tests hypotheses about the pacifying effects of renewables, with a view to establishing the foundations for analyzing more detailed causal mechanisms. These mechanisms rest on the 'energy democracy' debate, suggesting that a low carbon world sees less interstate tension thanks to more states being democratic; the 'capitalist peace' theorem, establishing that the deployment of renewables brings about economic development, reducing conflict; and the human security literature, positing that renewables reduce local-level reduce vulnerabilities, thus enhancing social stability and reducing violence. Using a longitudinal dataset on global renewable energy investment, econometric tests suggest that distributed renewable energy systems do not seem to foster democratic rule, nor do they have a significant influence on human development. Countering the energy democracy literature, it is a higher concentration of renewable investment that tends to increase stability/ absence of violence and human development, instead of decentralized investment patterns. We find no evidence for the 'peace through prosperity' argument. Overall, there is no support for the assumption that renewables bring about peace and reduce conflict. The paper critically discusses the limitations of these findings and suggests further avenues for empirical research.

npj Climate Action (2023)2:14; https://doi.org/10.1038/s44168-023-00045-6

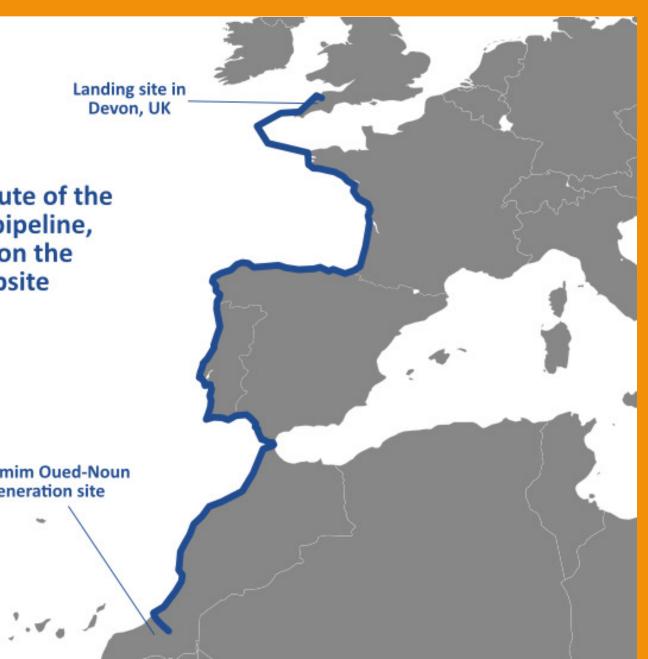


The Xlinks Morocco-UK **Power Project is a proposal** to create 10.5 GW of renewable generation, 20 GWh of battery storage and a 3.6 GW high-voltage direct current interconnector to carry solar and windgenerated electricity from the Kingdom of Morocco to the United Kingdom If built, the 3,800 km cable will be the longest undersea power cable by far, and would supply up to 7.5% of the UK's electricity consumption The first phase of the project is expected to be operational in 2029, with the second phase due in 2031.

The proposed route of the Xlinks project pipeline, as described on the project website

> Guelmim Oued-Noun generation site

pv magazine group







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