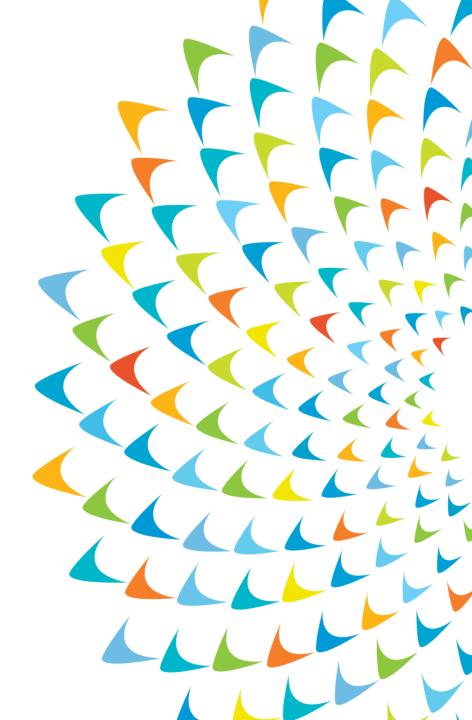


The current energy landscape of the CAREC region

CAREC Energy Investment Forum November 28, Tbilisi, Georgia

Martin Sommerseth Jaer, ADB









Why are we here?

SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all.





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SDG 7: Ensure access to affordable, reliable, sustainable and modern energy for all.

SDG 13: Climate action







Why are we here?

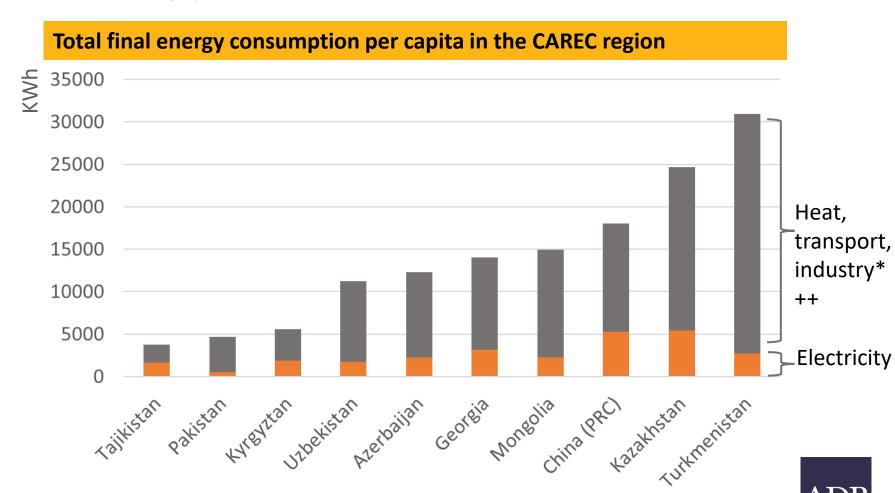
Ensure access to

energy for all.



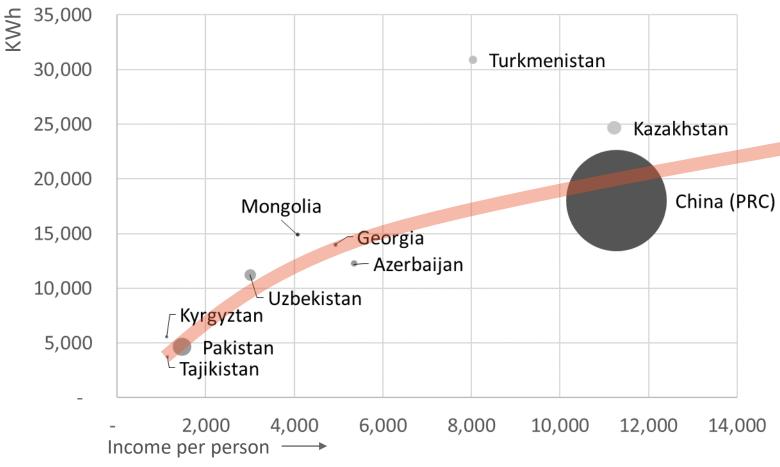


How is the region doing in ensuring energy for all?



Energy vs economic development

Energy consumption per person vs income in the CAREC region

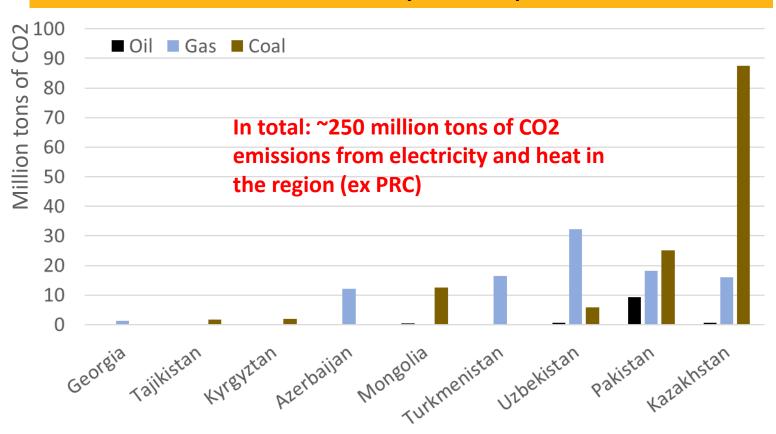


Source: www.iea.org



How sustainable is the energy in the region?

Annual CO2 emissions from electricity and heat production in CAREC





Source: www.iea.org

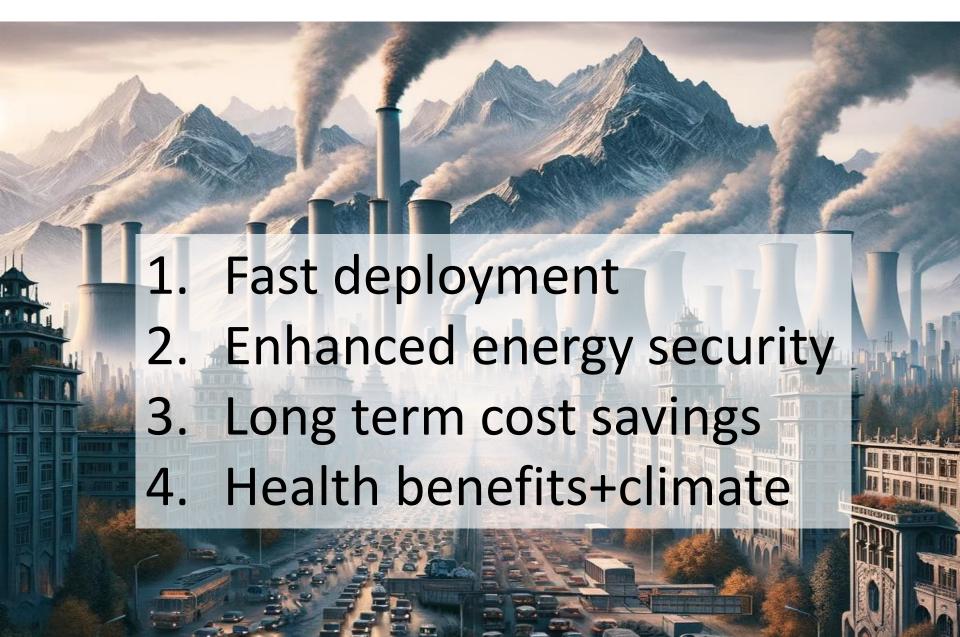
The value proposition from sustainable energy?

(Below, AI generated picture using the prompt "Fossil fueled energy future in the CAREC region" ©Dall-E)



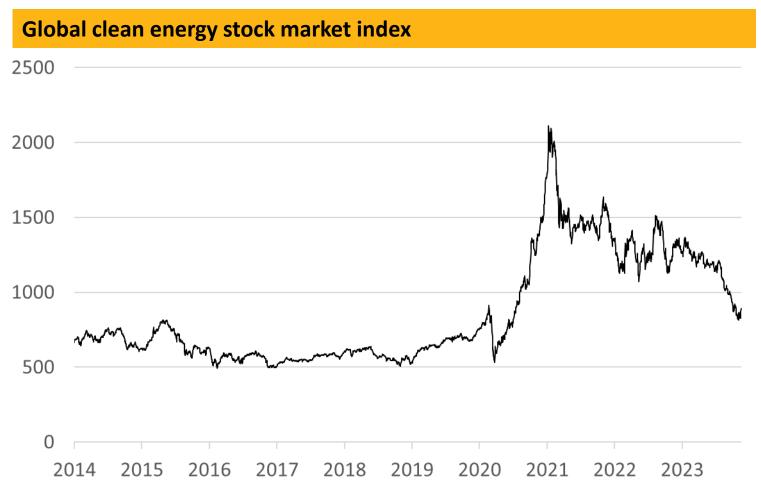
The value proposition from sustainable energy?

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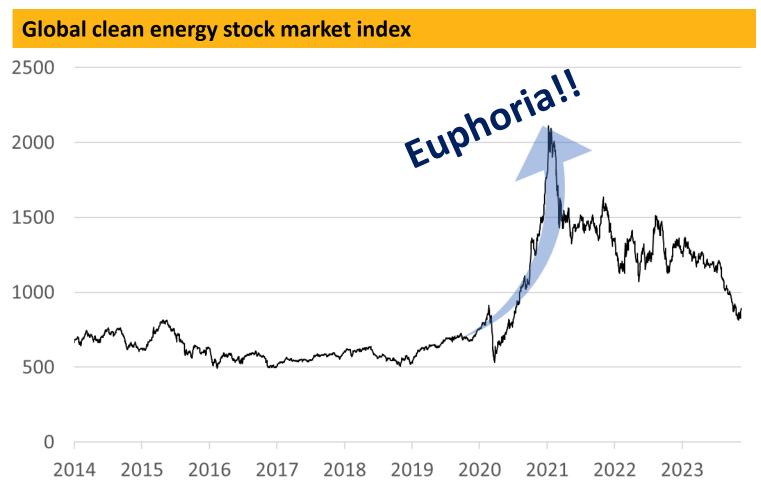
Market realities: Impact of global shifts on Renewable Energy







Market realities: Impact of global shifts on Renewable Energy

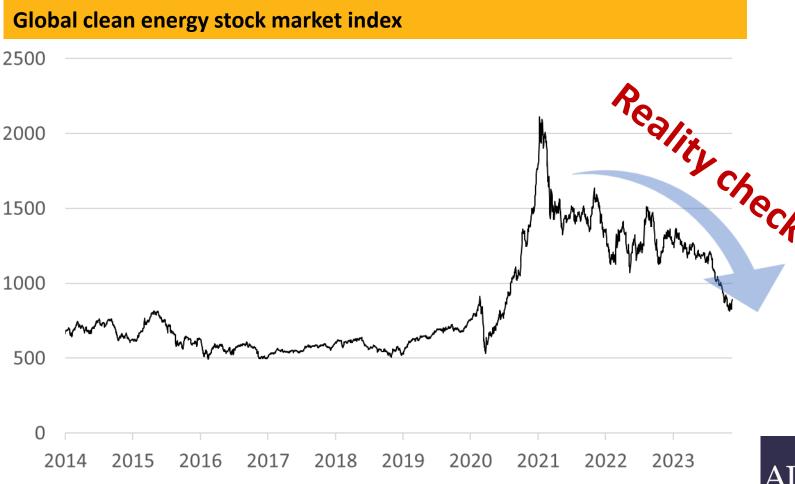




Source: Tradingeconomics.com



Market realities: Impact of global shifts on Renewable Energy

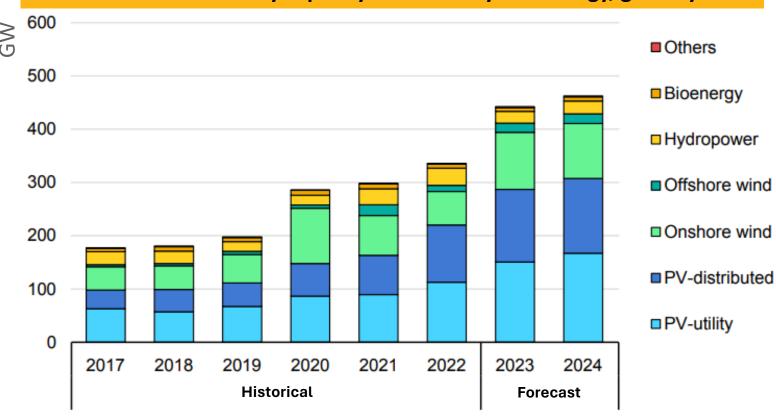






Euphoria: Record high deployment of renewable energy globally

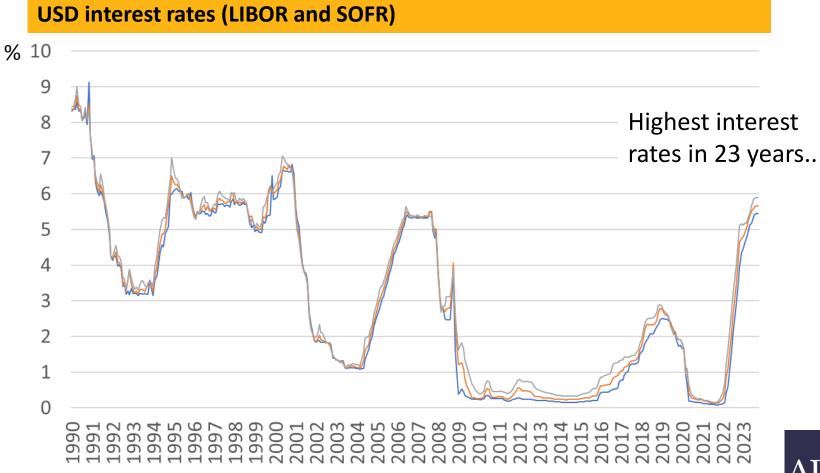
Net renewable electricity capacity additions by technology, globally







Reality check: Interest rates and cost inflation

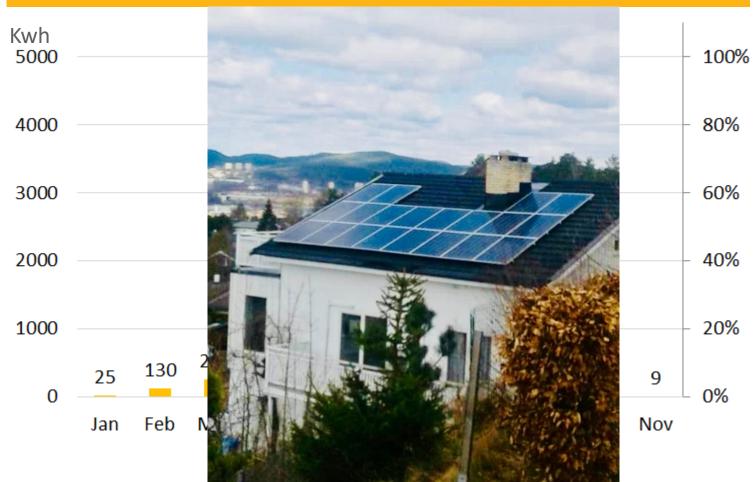






Reality check: The variability of renewable energy generation

5.3KW solar rooftop in a temperate climate. Production vs consumption

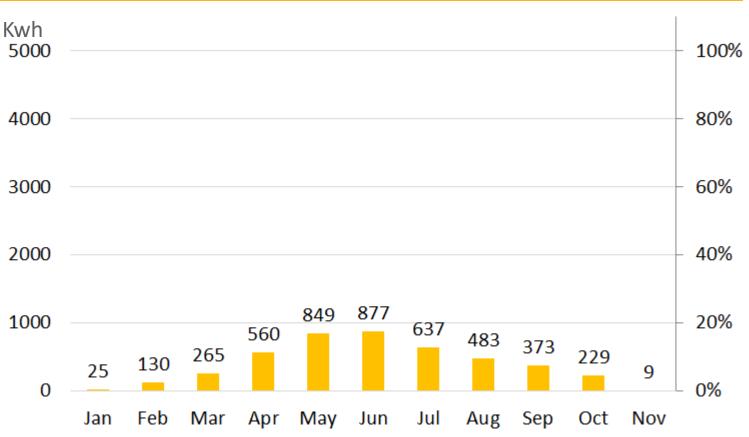






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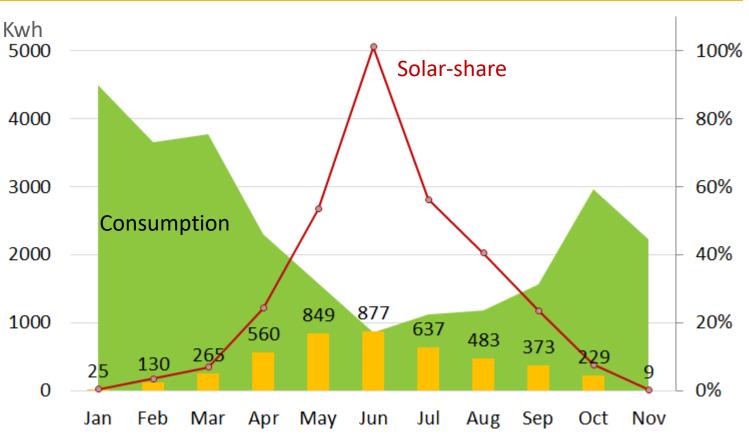






Reality check: The variability of renewable energy generation

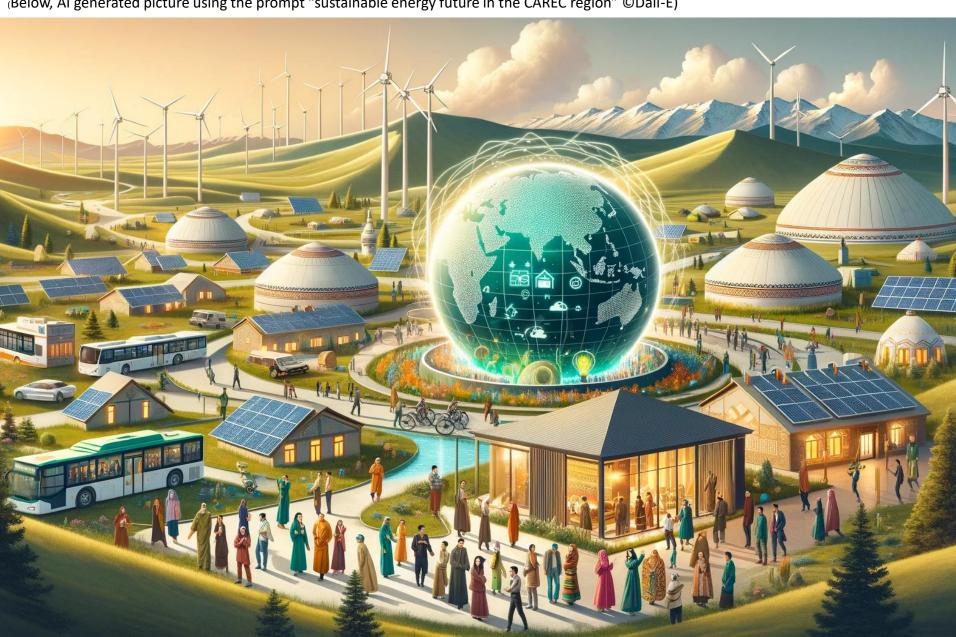
5.3KW solar rooftop in a temperate climate. Production vs consumption





Looking ahead:

(Below, AI generated picture using the prompt "sustainable energy future in the CAREC region" ©Dall-E)



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