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MEDITERRANEAN GREEN ELECTRONS AND MOLECULES
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CAN THE MEDITERRANEAN HELP DECARBONISE AVIATION?

Aviation is one of the toughest sectors to decarbonise. Planes still depend on liquid fuels, and with air traffic expected to keep growing in the years ahead, the search for realistic alternatives is becoming more urgent than ever. A new report by the MED-GEM Network, funded by the European Union, argues that one solution deserves far more attention: electro-Sustainable Aviation Fuel (eSAF).

Produced from renewable electricity, green hydrogen and captured CO₂, eSAF is seen as one of the most promising pathways for reducing aviation emissions without waiting for entirely new aircraft technologies. Unlike other options, it can work with today's planes and airport fuel systems, making it a practical route for near- and medium-term action.

The report makes the case that the EU, the Southern Mediterranean and the Gulf countries could together form a strategic clean-fuel corridor. Europe brings regulatory demand, the Southern Mediterranean offers strong renewable energy potential and industrial locations, while the GCC contributes capital, infrastructure and globally connected transport hubs.

But the report also makes clear that the challenge is no longer only technological. The real question is how to scale production, secure investment, align certification systems and turn early pilots into bankable projects. That is where regional cooperation becomes essential.

By connecting policy, technical expertise and stakeholder dialogue, the MED-GEM Network helps support this transition in line with the New Pact for the Mediterranean and the T-MED initiative, contributing to a more connected, resilient and sustainable regional energy future.

Read the full article: <https://med-gem.eu/eSAF-Roadmap>

Download the report: <https://drive.med-gem.eu/drive/s/uW4HTQE5l6U0sdmqNhtu9Ugi363jAa>

EU visibility statement

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