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Vice-Rector for Research of the Turkmen State Energy Institute Aganiyaz Jumayev shared his vision of local initiatives in the field of green energy and a scientific approach to solving energy problems.

Key topics included the development of new and optimization of existing oil and gas fields, attraction of foreign investment, energy transition, innovation implementation, carbon emissions reduction, as well as the development of low-carbon fuels and underground gas storage technologies.

UNECE's technical assistance can help Turkmenistan to modernize its energy infrastructure, improve energy efficiency, and reduce its environmental impact, harnessing innovation and technology transfer in accelerating the deployment of clean energy technologies, together with capacity building support.

Vast sunny desert plains of Turkmenistan could enable the country to switch to 100% renewable energy by 2050, with prospects to have 76% solar photovoltaics and 8.5% wind power capacities in a...

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This study provides potential transition scenarios to full sustainability for Turkmenistan in power, heat and transport sectors. Vast sunny desert plains of Turkmenistan could enable the country to switch to 100% renewable energy by 2050, with prospects to have 76% solar photovoltaics and 8.5% wind power capacities in a Best Policy Scenario.

The event looked at the broader perspective of energy transition and possible steps for carbon neutrality for Turkmenistan. It also explored prospects for the development of renewable energy sources in the Caspian region, solutions for sustainable hydrogen production and possible next steps in this direction for the country.

The proposed TA will promote the use of advanced technologies and support pioneering integrated renewable energy solutions for Turkmenistan. Specifically, the TA will support the development of a roadmap for the generation and use of solar energy in the country, including for urban purposes, such as in Arkadag City.

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In 2021, the President of Turkmenistan adopted the Law of Turkmenistan &quot;On Renewable Energy Sources&quot;, for which regulatory acts are being developed to promote the practical use of renewable energy in various sectors of the country's economy.

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