

The Contribution of Nuclear Energy to Accelerating Progress towards Low-Carbon Energy

Tuesday, 4 November 2025 15:15 (15 minutes)

Jordan's energy strategy is centered on establishing a sustainable energy system by diversifying its energy sources and maximizing the use of indigenous resources. This strategy reflects Jordan's commitment to achieving carbon neutrality and contributing to global efforts to limit global warming to below +1.5°C. To meet these objectives, the country is prioritizing the promotion of renewable energy, enhancing energy efficiency, and reducing reliance on imported fossil fuels. The ultimate aim is to ensure a reliable, sustainable, and environmentally friendly energy supply, aligning with global climate change mitigation efforts.

While Jordan acknowledges the crucial role of renewable energy in achieving a sustainable future, it also recognizes the current limitations of renewables in fully supporting the national energy grid. To address this, the country is exploring additional methods to decarbonize both the electric and non-electric sectors as part of its broader strategy for sustainable, low-carbon economic growth.

In response to these challenges, Jordan launched a 10-year National Energy Sector Strategy in 2020, which serves as a key component of its long-term, low-emission development plan. The strategy aims to reduce carbon emissions by 10% by 2030 and improve the energy mix. It emphasizes not only the expansion of renewable energy sources but also the enhancement of energy efficiency and the adoption of other low-carbon technologies. Through this approach, Jordan aims to achieve its climate goals while fostering economic growth and strengthening energy security. In a statement, Jordan emphasized its intention to leverage all available technologies to boost local energy dependency.

Technical Track

Nuclear Applications and Radiation Processing

Primary author: ELJARIAN, Razan (Jordan Atomic Energy Commission)

Session Classification: Nuclear Applications and Radiation Processing