



Unlocking the Geothermal Potential of Albania

A UNECE Regular Programme on Technical
Cooperation Study

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Strategies for Economic Viability and Sustainability

The study assessed the geothermal resources in Albania and evaluated their economic viability, social benefits, and environmental assessment. Finding in a nutshell are:

- Lack of standards and guidelines for estimating and reporting geothermal resource potential has created ambiguity and limited understanding of the viability of geothermal projects, which has hindered funding and investment
- Adopting UNFC and UNRMS standards, conducting extensive geological and ESIA studies, and engaging in public consultations with stakeholders to ensure technical feasibility, socio-economic viability and assuring environmental performance
- Innovation for water management, agriculture, transport, and industrial utilisation.





The Economic, Social and Environmental Benefits of Geothermal Energy

Using geothermal resources in Albania is economically viable and can contribute to diversifying the country's energy resources, improving living standards, and mitigating environmental problems

- Adopting UNFC and UNRMS guidelines, developing adequate geological models of geothermal aquifers, and conducting extensive studies are recommended to develop geothermal resources in Albania further
- Conducting ESIA studies, engaging in extensive public consultations with stakeholders, and focusing on capacity building, technology transfer, and knowledge dissemination are crucial.

Revolutionizing Energy: Innovations for Sustainable Development

Adopt UNFC and UNRMS in policy and regulation for business ease and attracting funding

Exploration and development of geothermal resources:
Develop bankable projects

Innovate in areas of:

- Water: Geothermal-powered desalination plant
- Agriculture: Geothermal greenhouse farming and aquaculture
- Transport: Geothermal energy for electric power vehicles or public transportation
- Industrial process: Geothermal Energy with Carbon Capture and Storage.

