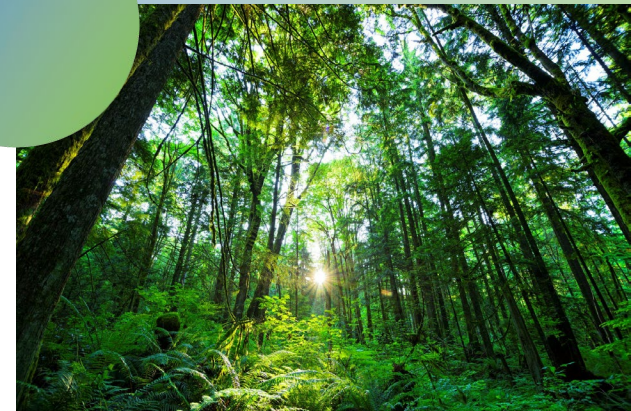




The UNECE Group of Experts on Renewable Energy (GERE): synergies with wood energy and forests

Joint Working Party on Forest Statistics, Economics and Management, May 31-2 June 2023



UNECE Group of Experts on Renewable Energy (GERE)

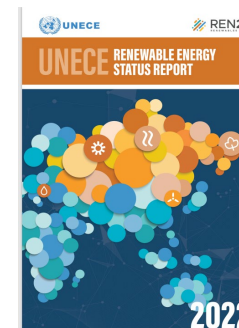
GERE started in 2014 as a subsidiary body to the UNECE Committee on Sustainable Energy with the aim to implement concrete activities to help significantly increase the uptake of renewable energy, through:



- Tracking progress in the uptake of RE in the UNECE region
- Facilitating the exchange of experiences, good practices and multi-stakeholder dialogues on how to increase the uptake of renewable energy
- Cross-cutting cooperation to strengthen integration of renewable energy in future sustainable energy systems

GERE Key Outputs

REN21 UNECE Renewable Energy Status Report (2015, 2017, 2022)



Recent GERE studies:

- Towards sustainable renewable energy investment and deployment: Trade-offs and opportunities with water resources and the environment (2020)
- Study on Renewable Energy Financing and Investment in Albania, Georgia, Kazakhstan and Serbia (RPTC, 2021)
- Overview of Benefits and Challenges for Governments applying UNFC to Renewable Energy Projects and Resources (2021)
- Energy Transition and the Post-Covid-19 Socioeconomic Recovery: Role of Women and Impact on Them (Dec. 2022)

GERE Key Outputs

UNECE RE Hard Talks for Unblocking Renewable Energy Barriers to Investment:

- A uniquely formatted multi-stakeholder dialogue involving relevant Ministries and other key players, adapted to the specifications and requirements of the host country;
- Discussion guided by a practical “problem identification/solution”;
- Recommendations, prioritizing the next steps that are sent to all participants and high-level decision-makers for further action
- Georgia (2016), Ukraine (2016), Azerbaijan (2017), Kazakhstan (2018) Bosnia-Herzegovina (2018), Serbia (2019); Albania (July 2021); Georgia (October 2021); Serbia (November 2021) and Moldova (June 2022)

Recent GERE activities related to bioenergy

- Project “Addressing the compounded food and energy crisis in Ukraine through innovative technologies and adaptive agricultural practices” (SDG Fund, FAO, UNECE, UNEP, March 2023)
- UNECE Study: Designing a Carbon Neutral Energy System of Ukraine: Increasing the uptake of Biofuels and Biomass in Ukraine (March 2023)
- Multistakeholder dialogue “Untapped Bioenergy Potential of Ukraine: Comprehensive View of Proper Use. Issues of Energy Security and Food Security” was organized on 31 March 2023
- Study to support energy crops along roads and highways in Ukraine (May 2023)

Redesigning and rebuilding energy system in Ukraine

- Project “**Addressing the compounded food and energy crisis in Ukraine through innovative technologies and adaptive agricultural practices**” within the SDG Fund project and implemented by FAO, UNEP, and UNECE;
- The activity is developed in response to the request of the Ministry of Agrarian Policy and Food (MAPF) for support to address fuel shortages in the agriculture sector;
- The activity supports efforts of the national and local governments for planning of and preparations related to redesigning and rebuilding energy system in Ukraine that suffered significant damage in the war to support achieving the SDGs and are based on the “building back better” principle;
- UNECE was in charge of analyzing the normative and institutional framework in support of increasing the renewable energy uptake with special attention to bioenergy

Redesigning and rebuilding energy system in Ukraine

Multistakeholder dialogue:

- How to use the untapped renewable energy potential, choice of a technological focus for the demonstration project and
- Recommendations on needed normative and institutional changes by technologies:
 - Biomethane/biogas;
 - Bioethanol;
 - Biodiesel;
 - Solid Biomass
- Recommendations addressed to the responsible institutions

Key findings of the biofuels and biomass study in Ukraine

DESIGNING A CARBON NEUTRAL ENERGY SYSTEM OF UKRAINE: INCREASING THE UPTAKE OF BIOFUELS AND BIOMASS IN UKRAINE

Ukraine has a good chance and enough potential for dynamic development of bioenergy.

The main drivers of the bioenergy development are considered to be:

- Agricultural and agro-industrial production become the main source for the country and will be developing in the near perspective;
- Energy dependence on import and constantly growing prices on natural gas force to look for alternative fuels;
- Necessity of upgrading and increasing of energy efficiency of the obsolete heat and power utilities infrastructure;
- EU sustainability and energy saving targets – increasing demand for biofuels from Ukraine;
- Favorable taxation and recent legislative initiatives;
- Incentives for electricity and heat produced from agricultural residues.



THANK YOU

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on Renewable Energy (GERE)
UNECE

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