

**Cross-cutting and inter-sectoral cooperation to integrate renewable energy into energy systems**

**Agenda Item 5 – 8th Session of the Group of Experts on Renewable Energy**

**5 October 2021, 15h00 – 16h30 CEST (Geneva time)**

**Objective:** to integrate renewable energy into the energy system through synergies, cooperation and an integrated approach

**Context:** The target of increasing the renewable energy uptake for ECE countries requires an integrated approach and multi-stakeholder dialogue to achieve higher renewable energy shares within future energy systems. This includes an improved understanding of renewable energy resource characteristics and availability as well as the strengthening of policy, institutional, normative and regulatory frameworks.

The study titled “Overview of Benefits and Challenges for Governments applying UNFC to Renewable Energy Projects and Resources”, jointly prepared by the Renewable Energy Working Group of the Expert Group on Resource Management (EGRM) and GERE experts will be presented and discussed.

Renewable energy plays a strong role in helping to achieve better management of resources within the water-energy-food-ecosystems nexus. The role of renewable energy in promoting the nexus approach will be specifically considered, as well as links to the 2030 Agenda for Sustainable Development and the implications for climate change mitigation.

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| Expert dialogue   * Experts will be presenting their experience and views on how to better integrate renewable energy into energy systems, in particular on the interlinkages and synergies between renewable energy and natural gas and cleaner electricity production. * Experts discuss how to consider possible follow-up activities in applying UNFC to Renewable Energy Projects and Resources. * Experts will consider how to move towards an integrated and holistic approach in the deployment of renewable energy and will discuss the implementation of possible joint inter-sectoral work, including from the water-energy-food-ecosystems nexus perspective, and taking into account the role of renewable energy in a decarbonized energy system. |

**15h00 Managing Renewable Energy Resources** –

The study “Overview of Benefits and Challenges for Governments applying UNFC to Renewable Energy Projects and Resources”, jointly prepared by the Renewable Energy Working Group of the Expert Group on Resource Management (EGRM) and GERE experts, will be presented and discussed.

**Debate and open discussion**

**16h15 A nexus approach** - The role of renewable energy in promoting a water-energy nexus approach will be discussed, as well as links to the 2030 Agenda for Sustainable Development and the implications for climate change mitigation.

**17h00 Wrap up & Next steps**