

**Workshop:** Exploring Pathways to Sustainable Energy in the Belarus-Moldova-Ukraine Region

**Organizers:** Fraunhofer, IIASA, PNNL, UNECE

**Target group:** Open to all participants; “Pathways to Sustainable Energy” Project community, stakeholders from Belarus, Moldova and Ukraine

UNECE together with IIASA, Fraunhofer, PNNL is implementing the “Pathways to Sustainable Energy” Project. The project seeks to provide answers on how countries can attain sustainable energy. It combines modelling of energy scenarios with policy dialogue, technology research and the development of an early-warning system.<sup>1</sup>

The modeling of sustainable energy scenarios will provide insights on the gaps towards achieving sustainable energy targets based on current strategies and ambitions in place. Modeling results will be presented for global, UNECE, and UNECE sub-regional levels. In this session, the modeling team will focus on modeling results for the BMU region.

Three representatives from each of the three countries will brief the audience on main sustainable energy strategies and targets in place, the sectoral development priorities and key challenges in the context of resource availability, geopolitical influences, and sustainable development, among other factors. An interactive discussion with the panelists and the audience will focus on exploring the options and scenarios that are of particular relevance for the region.

**Guiding questions:**

- *What scenarios can be derived for the BMU region in a world with either low or high cooperation to achieve sustainable development, and low or high levels of innovation)?*
- *How big is the gap between the globally agreed targets and the BMU regional results? Are the national strategies and commitments currently in place sufficient to achieve the set targets?*
- *What are the key challenges and barriers that countries of the BMU region face towards achieving sustainable energy? What are the key priorities for the next 10-15 years?*
- *What are the main internal and external drivers that shape the regions sustainable energy agenda?*
- *What are the technology and policy options that could to achieve sustainable energy in the BMU region?*

Time	Content	Resource person
11.00-11.05	Welcome / Introduction	Moderator: Lisa Tinschert, UNECE
11.05-11.35	<b>Presentation: Modelling of Sustainable Energy Scenarios for the BMU Region</b> - Results from MESSAGE and GCAM models - Policy Scenarios and related Policy Options	Holger Rogner, Senior Research Scholar and Behnam Zakeri, Researcher, International Institute for Applied System Analysis (IIASA), <i>also on behalf of the Pacific-Northwest (PNNL)</i>
11.35-12.05	<b>Panel Discussion</b> - Interventions from target countries - Key challenges and barriers towards sustainable energy in the region - Planned energy infrastructure development - Policy and technology solutions for the BMU region - Reactions to proposed policy scenarios	Oleksandr Diachuk, Leading Research Officer, Institute for Economics and Forecasting, National Academy of Sciences of Ukraine Irina Sukhy, NGO "Ecohome", manager of the project "Promotion of sustainable energy in Belarus" Sergiu Robu, Researcher, Institute of Power Engineering, Academy of Sciences of Moldova
12.05-12.25	<b>Interactive discussion with audience</b> - Key future sustainable energy challenges and solutions for Belarus-Moldova-Ukraine	Panellists All participants
12.25-12.30	Wrap-Up / Conclusion	Moderator

<sup>1</sup> See more details about the project approach here: <https://www.unece.org/energy/pathwaystose.html>