

THE ONLINE INITIAL TRAINING WORKSHOP ON ENERGY MODELLING

27 March 2025

Programme

- 12:00 – 12:05 **Opening remarks**
- Enejan Kakaeva, Head of the Production and Technical Department of the Ministry of Energy of Turkmenistan;
 - Paata Janelidze, Team Leader, Key Expert of the SECCA project;
 - Muhammetaman Saryev, Director of the Scientific and Production Center “Renewable Energy Sources” under the State Energy Institute of Turkmenistan.
- 12:05 – 12:30 **High-level introduction to energy and climate systems analyses**
Rocco De Miglio, International Consultant in Energy Modelling, SECCA
- 12:30 – 13:00 **What is strategic planning and scenario analysis?**
Rocco De Miglio, International Consultant in Energy Modelling, SECCA
- 13:00 – 13:20 **SECCA training sessions for country modeling units: what we have done**
Rocco De Miglio, International Consultant in Energy Modelling, SECCA
- 13:20 – 13:30 **The possible next steps**
Rocco De Miglio, International Consultant in Energy Modelling, SECCA
- 13:30 – 13:55 **Discussion, Q&A**
- 13:55 – 14:00 **Closing remarks**

Background

The European Union (EU) launched the project “Sustainable Energy Connectivity in Central Asia” (SECCA) in 2022. Throughout the implementation of SECCA, the capacities of the Central Asian Countries to develop national energy sector models were assessed and capacity-building plans were developed. The first steps towards the implementation of these plans included (i) the set-up of a Regional Group on Modelling (consisting of two young professionals from each Beneficiary Country) to initiate country “modelling units” and create a long-term virtuous bridge between the Project activities and national decision-makers and improve local systems thinking and knowledge (data) based decision making in the energy and climate sectors.

For the capacity development of the Regional Group on Modelling, SECCA has organized three Training Workshops (24-27 September 2024; 11-13 December 2024; 28-31 January 2025). The first

training covered the “fundamentals” of energy and climate strategic planning and modelling analyses. It aimed to provide a common understanding of the energy and climate issues and some good practices. The second training was devoted to the selection/collection/elaboration/utilization of energy (and non-energy) statistics and data for quantitative analyses in the integrated energy and climate area. And the third training was devoted to more technical practices for quantitative modelling analysis and their links with the preparation of strategic documents and integrated plans (namely, the application of quantitative analyses for supporting decision-making).

The 1st and 3rd Training Workshops were attended by the representatives from SECCA “State Partners” (in Turkmenistan - Ministry of Energy), as well as SECCA National Coordinators in Beneficiary countries. Based on the information presented at the Training Workshops, as well as considering the state of application modelling in developing sustainable energy strategies for Turkmenistan, representatives of Turkmenistan asked SECCA to hold Training Workshops in Turkmenistan for (i) Specialists of the Ministry of Energy and other relevant Agencies; and (ii) Faculty members of State Energy Institute of Turkmenistan. The above events will be held in April 2025 as part of the International Conferences. However, to enhance the preparedness of trainees and thereby increase the effectiveness of the training, this online Initial Training Workshop is held.