



Organization for Security and  
Co-operation in Europe



## The Kick-off Meeting of the OSCE Regional Task Force on Education for Just and Inclusive Energy Transition (RTEET) in Central Asia

**Date:** 22-23 May 2025

**Language:** Russian, English

**Zoom link to register:** <https://us06web.zoom.us/j/88044466149?pwd=GGmLBNuLdNin78mSfJ0hbJYNEpiAgb.1>

Once you have registered, you will receive a confirmation email with information about joining the meeting.

### Venue:

- Day 1: Almaty, Kazakhstan (*Hotel Royal Tulip*)
- Day 2: Visits to the Kazakh-British Technical University (KBTU) and Satbayev University

**Meeting format:** Hybrid format using Zoom platform. The meeting will be held in Russian with simultaneous translation into English.

**Organizers:** Organization for Security and Co-Operation in Europe (OSCE), Regional Environmental Centre for Central Asia (CAREC).

### Background:

Central Asia possesses significant untapped potential for renewable energy development, with substantial opportunities to reduce emissions and increase the use of renewable energy sources. As part of their commitments under the Paris Agreement, the governments of the region have set ambitious targets to drive their energy transitions, including improving renewable energy capacity. The transition to renewable energy will require a skilled and diverse workforce, which is currently underdeveloped in many countries in the region.

A first-of-its-kind analysis by the OSCE has highlighted the significant job-creation potential of renewable energy in Central Asia, projecting that nearly 100,000 new jobs could be created by 2050.<sup>1</sup> However, the educational infrastructure to support this transition is lagging. Only a few universities and technical vocational education and training (TVET) institutions offer degrees or specialized programs focused on renewable energy. As a result, there is a growing skills gap that hinders the region's ability to capitalize on its renewable energy potential and foster economic growth.

The energy transition also offers an opportunity to advance gender equality by promoting the inclusion of women in the energy sector, especially in leadership roles. To ensure an

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<sup>1</sup> OSCE Report "Advancing a Just Energy Transition in Central Asia: Women's Key Role in the Energy Sector": <https://www.osce.org/ocea/561811>

equitable and successful energy transition, educational programs and initiatives need to be designed with an inclusive perspective, empowering women to pursue technical degrees in clean energy and contribute to the research, development, and innovation of energy technologies.

This meeting will mark the launch of the OSCE Regional Task Force on Education for Just and Inclusive Energy Transition (RTEET) in Central Asia, a platform aimed at addressing these challenges through collaborative efforts among stakeholders from the educational, governmental, and energy sectors.

This initiative is supported in the framework of the OSCE Project “Promoting Women’s Economic Empowerment in the Energy Sector in Central Asia”<sup>2</sup>

### **Purpose of the Event:**

The primary goal of the event is to officially kick off the establishment of the Regional Task Force on Education for Just and Inclusive Energy Transition (RTEET) in Central Asia (RTEET). The first objective of this group is to develop an educational programme for technical universities training professionals for the renewable energy sector.

### **Objectives of the Event:**

- Present the preliminary results of the Needs Assessment Report, highlighting skills gaps and job creation potential in the renewable energy sector.
- Discuss the draft Action Plan for curricula development and agree on next steps for its implementation.
- Obtain formal endorsement of the Action Plan from steering and working group members.
- Promote gender equality by exploring ways to increase female participation in energy education and leadership roles.

### **Expected participants:**

- Representatives of CA ministries of energy and education;
- Representatives of national agencies and services dealing with national energy issues
- Representatives of national energy companies
- Representatives of CA universities and research institutes;
- National and regional project experts
- Organization for Security and Co-Operation in Europe representatives
- International organizations
- Regional Environmental Centre for Central Asia team.

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<sup>2</sup> OSCE project “Promoting Women’s Economic Empowerment in the Energy Sector in Central Asia”, 2021-2028:  
<https://www.osce.org/node/515144>

**AGENDA**  
*Day 1 (22 May)*

Time	Description
<b>09<sup>00</sup> – 09<sup>20</sup></b>	<b>Registration of participants</b>
<i><b>Moderator:</b> Ludmila Kiktenko, Program Manager, CAREC</i>	
<b>09<sup>20</sup> - 09<sup>30</sup></b>	<b>Opening and welcome remarks</b> <ul style="list-style-type: none"> <li>• <b>Giulia Manconi</b>, Senior Energy Security Adviser, OSCE Secretariat</li> <li>• <b>Batyr Mamedov</b>, Executive Director, Regional Environmental Centre for Central Asia</li> </ul>
<b>09<sup>30</sup> - 09<sup>40</sup></b>	<b>Introduction tour de table</b>
<b>9<sup>40</sup> - 10<sup>00</sup></b>	<b>Regional Task Force on Education for Just and Inclusive Energy Transition in Central Asia (RTEET): Introduction and Expected Results – Emomali Mirzoev</b> , Project Officer, Energy Security, OSCE Secretariat
<i><b>Moderator:</b> Emomali Mirzoev, Project Officer, OSCE</i>	
<b>10<sup>00</sup> - 11<sup>00</sup></b>	<b>Presentation of Needs Assessment preliminary findings, highlighting skills and gender gaps, and job creation potential in the renewable energy sector in Central Asia</b> <ul style="list-style-type: none"> <li>• <b>Kazakhstan</b> - Abylaikhan Soltanayev, Almaty University of Power Engineering and Telecommunications named after Gumarbek Daukeyev (AUES).</li> <li>• <b>Kyrgyzstan</b> - Turukmen Zhabudaev, Kyrgyz State Technical University named after I. Razzakov.</li> <li>• <b>Tajikistan</b>, Umarkhon Madvaliev, President of the Association of Renewable Energy of Tajikistan</li> <li>• <b>Uzbekistan</b> - Nargiza Dalmuradova, Tashkent State Technical University named after Islam Karimov</li> </ul> <p><b>Questions and answers</b></p>
<b>11<sup>00</sup> - 11<sup>30</sup></b>	<b>Group photo and coffee break mom</b>
<b>11<sup>30</sup> - 12<sup>00</sup></b>	<i>Continued: Presentation on Needs Assessment</i> <ul style="list-style-type: none"> <li>• <b>Turkmenistan</b> - Serdar Mammethnyazov, Aarhus Centre in Turkmenistan</li> <li>• <b>Regional overview</b> - Aleksey Kobzev, Kazakh-German University (DKU)</li> </ul> <p><b>Questions and answers</b></p>
<i><b>Moderator:</b> Ludmila Kiktenko, Program Manager, CAREC</i>	

12 <sup>00</sup> - 13 <sup>00</sup>	<p><b>Comments from national representatives, as Regional Steering Group (RSG) members, on government priorities in RES, educational needs, and on the Needs assessment findings</b></p> <ul style="list-style-type: none"> <li>• <i>Kazakhstan</i></li> <li>• <i>Kyrgyzstan</i></li> <li>• <i>Tajikistan</i></li> <li>• <i>Turkmenistan</i></li> <li>• <i>Uzbekistan</i></li> </ul> <p>Brief remarks by the United Nations Economic Commission for Europe (UNECE)</p>
13 <sup>00</sup> - 14 <sup>00</sup>	<b>Lunch</b>
<b>Moderator:</b> <i>Ludmila Kiktenko, Program Manager, CAREC</i>	
14 <sup>00</sup> - 15 <sup>30</sup>	<p><b>Group Discussion</b></p> <p><i>Participants will be divided in groups by country to brainstorm on the following questions:</i></p> <ol style="list-style-type: none"> <li>1. <i>What should be the focus of the RES educational curricula to be developed?</i></li> <li>2. <i>What should be included in the curriculum's content?</i></li> <li>3. <i>What is the national process for endorsing and piloting the curriculum?</i></li> <li>4. <i>Which universities would be interested in piloting the RES curricula?</i></li> <li>5. <i>What, apart from the curricula, does the university need for quality education of specialists for the RES sector?</i></li> </ol> <p><i>All discussions must be gender-sensitive, considering gender gaps, barriers, and the potential of educational and labour inclusivity, also in non-urban areas, to support the energy transition in Central Asia.</i></p> <p><i>Group facilitators:</i></p> <ul style="list-style-type: none"> <li>• <i>Kazakhstan group - Abylaikhan Soltanayev</i></li> <li>• <i>Kyrgyzstan group - Turukmen Zhabudaev</i></li> <li>• <i>Tajikistan group - Alexey Kobzev</i></li> <li>• <i>Turkmenistan group - Ludmilla Kiktenko</i></li> <li>• <i>Uzbekistan group - Nargiza Dalmuradova</i></li> </ul> <p><b>Online participants</b> will be invited to fill in the online needs assessment questionnaire.</p> <p>Facilitator: Aisha Mukhamedrakhim, CAREC</p>

	<b>Group presentations (including for 1-2 online participants)</b> <b>Questions and answers</b>
<b>15<sup>30</sup> - 16<sup>00</sup></b>	<b>Coffee-break</b>
<b>16<sup>00</sup> - 17<sup>00</sup></b>	<b>Discussion and endorsement of next steps</b> <ul style="list-style-type: none"> <li>• <i>Summary of group discussions and presentation of draft Action Plan- Ludmila Kiktenko, CAREC</i></li> <li>• <i>Preliminary interest from pilot universities - Alexey Kobzev</i></li> <li>• <i>Endorsement of RTEET mandate and Action Plan - Steering Group Members</i></li> </ul>
<b>17<sup>00</sup> - 17<sup>30</sup></b>	<b>Closing remarks</b> <ul style="list-style-type: none"> <li>• <b>OSCE</b></li> </ul>

**Day 2 (23 May)**

<b>Time</b>	<b>Description</b>
<b>09<sup>00</sup> – 09<sup>30</sup></b>	<b>Gathering at the hotel lobby</b>
<b>09<sup>30</sup> - 10<sup>00</sup></b>	Departure to Kazakh-British Technical University (KBTU)
<b>10<sup>00</sup> - 11<sup>30</sup></b>	<p><b>Visiting Scientific and Educational Center of Alternative Energy and Nanotechnology at KBTU</b></p> <p><b>The Role of KBTU in Workforce Development for the Renewable Energy Sector: Academic Programs, Gender Initiatives, Labor Market Needs, and Future Perspectives</b></p> <ul style="list-style-type: none"> <li>• <i>Asanali Sultanov, Head of the Laboratory of Alternative Energy and Nanotechnology, Kazakh-British Technical University (KBTU)</i></li> <li>• <i>Nurzhan Beysenkhanov, Dean / Professor, School of Materials Science and Green Technologies, KBTU</i></li> </ul> <p><b>Group photo</b></p>
<b>11<sup>00</sup> - 11<sup>30</sup></b>	<b>Transfer to Satbayev University</b>
<b>11<sup>30</sup> - 12<sup>00</sup></b>	<b>Group photo</b>
<b>12<sup>00</sup> - 13<sup>00</sup></b>	<p><b>Visiting laboratory of Satbayev University</b></p> <p><b>Satbayev University: Overview of Academic Programs on Renewable Energy, Observations and Recommendations - Zhannat Bekbolatova, PhD, Senior Lecturer, Satbayev University</b></p> <p><b>Demand for Specialists in the Renewable Energy Sector in the Near Future - Alifbek Kirgizov, PhD in Engineering, Associate Professor, Head of the Department of Theoretical</b></p>

	<i>Foundations of Radio Engineering and Electrical Engineering, M.Osimi Tajik Technical University</i>
<b>13<sup>00</sup> - 13<sup>30</sup></b>	<b>Transfer to the hotel</b>