

**INTERNATIONAL CONFERENCE**  
**“NEUTRAL STATUS, THE KEY TO DEVELOPING SUSTAINABLE ENERGY.  
SYSTEMS THINKING FOR INTEGRATED ENERGY AND CLIMATE ANALYSIS. STUDY OF  
THE PECULIARITIES OF SUSTAINABLE ENERGY DEVELOPMENT IN TURKMENISTAN ”**

May, 4 April 2025

**Ongoing SECCA activities in Turkmenistan**

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# SECCA ACTIVITIES IN TURKMENISTAN IMPLEMENTED IN 2024-2025



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# SECCA ACTIVITIES IN TURKMENISTAN IMPLEMENTED IN 2024-2025

#	Event	Place	Dates
1	Training workshop “Studying international practices in implementation of innovative energy efficiency technologies in the electric power industry. Methodology, goal and objectives of electricity and heat consumers energy survey”	Mary, SEIT	13-16, 19 March 2024
2	International Conference “Prospects for introduction of green innovative energy efficiency technologies in the electric power industry of Turkmenistan”	Mary, SEIT	18 March 2024
3	EU-Turkmenistan Sustainable Energy Days		
	Lectures and Round table for Students of Higher Educational Institutions in Ashgabat. Among them:		
	<i>Turkmen State Institute of Architecture and Construction</i>	Ashgabat	27 April 2024

# SECCA ACTIVITIES IN TURKMENISTAN IMPLEMENTED IN 2024-2025 (2)

#	Event	Place	Dates
	<i>Institute of Engineering, Technical and Transport Communications of Turkmenistan</i>	Ashgabat	29 April 2024
	<i>Turkmen State University named after Magtymguly</i>	Ashgabat	29 April 2024
	<i>Institute of International Relations under the Ministry of Foreign Affairs of Turkmenistan</i>	Ashgabat	30 April 2024
	<i>Yagshygeldi Kakayev International University of Oil and Gas</i>	Ashgabat	30 April 2024
	"International Conference "Climate change – challenges and solutions for sustainable energy"	Turkmenbashi	2 May 2024
	Lectures and Round table for Students of Higher Educational Institutions in Turkmenbashi. Among them:		
	<i>Institute of Engineering, Technical and Transport Communications of Turkmenistan</i>	Turkmenbashi	3 May 2024

# SECCA ACTIVITIES IN TURKMENISTAN IMPLEMENTED IN 2024-2025 (3)

#	Event	Place	Dates
	<i>Turkmenbashi Marine Secondary Vocational School of the State Service of Maritime and River Transport</i>	Turkmenbashi	3 May 2025
4	EU-Turkmenistan Conference "30 Years of Cooperation between the EU and TM: Working Together for a Better Future"	Ashgabat, Ministry of Foreign Affairs	14 May 2025
5	International Scientific Conference: Renewable Energy Sources Transition – the Energy of the Future <i>(SECCA participated online)</i>	Mary, SEIT	8 July 2025
6	International Conference "Opportunities for Turkmenistan's Participation in the Horizon Europe Programme: Prospects and Potential for Developing International Cooperation"	Ashgabat	26 November 2025
7	International Conference "Sustainable Energy for Environmental Protection. Reviewing International Best Practice"	Mary, SEIT	28 November 2025

# SECCA ACTIVITIES IN TURKMENISTAN IMPLEMENTED IN 2024-2025 (4)

#	Event	Place	Dates
1	International Conference “The Role of Sustainable Energy in Environmental Protection. Studying the Peculiarities of Renewable Energy Development in Turkmenistan” <i>(SECCA participated online)</i>	Mary, SEIT	10 February 2025
2	Online Initial Training Workshop on Energy Modeling		27 March 2025
3	Training Seminar "Study of the features of the introduction of innovative technologies for energy efficiency in the production sectors of the economy, taking into account the climatic conditions of Turkmenistan« <i>(SECCA participated online)</i>	Mary, SEIT	28 March 2025





# **PARTICIPATION OF TURKMEN REPRESENTATIVES IN SECCA ACTIVITIES IN 2024-2025**

# PARTICIPATION OF TURKMEN REPRESENTATIVES IN SECCA ACTIVITIES IN 2024-2025

#	Event	Place	Dates
1	2 <sup>nd</sup> meeting of SECCA Project Steering Committee (PSC) (Representative of Ministry of Energy)	Astana, Kazakhstan	19 April 2024
2	Regional Workshop “Horizon Europe in Central Asia – Promoting Research Excellence and Collaboration for Sustainable Energy” (Participated online)	Astana, Kazakhstan	14 May 2024
3	Central Asian & European Hydrogen Diplomacy Forum (Representatives of Ministry of Energy and SEIT)	Astana, Kazakhstan	23 May 2024
4	Regional Training on Model-based Integrated Energy and Climate Analysis (Representative of Ministry of Energy – online, Turkmen member of Regional Modelling Group)	Almaty, Kazakhstan	24-27 September 2024
5	Regional Conference on Gender and Energy in Central Asia (Representative of Ministry of Energy – online)	Almaty, Kazakhstan	17-18 Octo- ber 2024
6	Regional Training on Energy modelling and Statistics (Turkmen member of Regional Modelling Group)	Almaty, Kazakhstan	11-13 Dece- mber 2024



# PARTICIPATION OF TURKMEN REPRESENTATIVES IN SECCA ACTIVITIES IN 2024-2025 (2)

#	Event	Place	Dates
7	Regional Training on Energy modelling and NECP (Representative of Ministry of Energy – Online; 2 Turkmen members of Regional Modelling Group)	Almaty, Kazakhstan	28-31 January 2025
8	Online training “Introduction to Sustainable Energy: Theory and Practice” - by the Florence School of Regulation (FSR, Italy)		20 January – 28 February 2025





# ONGOING TECHNICAL ASSISTANCE IN TURKMENISTAN



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# ONGOING TECHNICAL ASSISTANCE IN TURKMENISTAN

## Assistance in sustainable building certification of facilities under construction of State Energy Institute of Turkmenistan

- International consultant of SECCA in sustainable buildings, based on study of design documentation and visiting construction site, provided recommendations for improving the sustainability of buildings under construction
- International consultant of SECCA - Sustainable building certifier conducted the initial verification mission to the facilities under construction
- International consultant of SECCA - Sustainable building certifier will conduct the verification of the facilities under construction (3-4 April 2025)

## Assistance in improving the Legal and Regulatory Framework (L&R) related to sustainable energy

- Recommendations on safety measures during the operation of electric power facilities – *Draft recommendations prepared*
- Technical recommendations to ensure guaranteed connection to state energy networks of block-stations operating on renewable energy sources – *Work is ongoing*

# ONGOING TECHNICAL ASSISTANCE IN TURKMENISTAN (2)

## Transfer international experience in operation and maintenance of solar and wind power plants

Training materials prepared for the personnel of the hybrid solar-wind power plant near Altyn Asyr lake of Turkmenistan:

Related to Solar power plants	Related to Wind power plants
Introduction to solar power plant operation	Introduction to wind power plant operation
Electrical system and connection to the grid	
Monitoring the operation of the station and fault diagnosis	Turbine operation monitoring and fault diagnostics
Equipment maintenance and repair	Turbines maintenance and repair
Safety and emergencies	
Documentation and reporting	

Online training will be conducted after the commissioning of the hybrid solar-wind power plant



**THANK YOU  
FOR YOUR  
ATTENTION!**

