

## ROUNDTABLE

Opportunities for Strengthening Turkmenistan's participation in the Horizon Europe Programme

18 November 2025 (hybrid format)

International University for Humanities and Development

Ashgabat, Turkmenistan

### New Energy Related Cluster5 Calls that Opened in September 2025 (online)

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- [Horizon Europe Work programme for Cluster 5 for 2025](#) – summarizes the funding opportunities under Cluster 5 topics, climate, energy and mobility for the 2025 year
- Join the **Horizon Europe Cluster 5 info day** on **15 January 2026** to explore the 2026 topics of the forthcoming **work programme 2026-2027**. This online event will be streamed via the European Commission's web platform

[Register here](#)

- New climate and energy research projects under ongoing work programme in the following destinations/directions:
  - Using energy in buildings and industry in an efficient, affordable and sustainable way
  - Ensuring more efficient, sustainable, secure, and competitive renewable and decarbonised energy supply
  - Facilitating the clean and sustainable transition of the energy and transport sectors towards climate neutrality through cross-cutting solutions



Open calls under destination:

**Ensuring more efficient, sustainable, secure, and competitive renewable and decarbonised energy supply**



- [Demonstration of thermal energy storage solutions for solar thermal plants and systems.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 15 mln Euro, 2 projects will be funded
- [Large-scale production of liquid advanced biofuels and renewable fuels of non-biological origin.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 33 mln Euro, 3 projects will be funded
- [Next generation distribution substation for increasing the system resilience.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 18 mln Euro, 2 projects will be funded
- [Competitiveness, energy security and integration aspects of advanced biofuels and renewable fuels of non-biological origin value chains.](#) Research and Innovation Actions, Single stage. Deadline 17 February 2026. Budget 8 mln Euro, 2 projects will be funded
- [Innovative solutions for a generative AI-powered digital spine of the EU energy system.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 16 mln Euro, 2 projects will be funded

- [Innovative tools and services to manage and empower energy communities.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 20 mln Euro, 2 projects will be funded
- [Improved reliability and optimised operations and maintenance for wind energy systems.](#) Research and Innovation Actions, Single stage. Deadline 17 February 2026. Budget 15 mln Euro, 3 projects will be funded
- [Extending the lifetime of crystalline silicon PV modules \(EUPI-PV Partnership\).](#) Research and Innovation Actions, Single stage. Deadline 17 February 2026. Budget 8 mln Euro, 2 projects will be funded
- [Development of innovative solutions strengthening the security of renewable energy value chains.](#) Coordination & Support Actions, Single stage. Deadline 17 February 2026. Budget 6 mln Euro, 3 projects will be funded



Open calls under destination

**Facilitating the clean and sustainable transition of the energy and transport sectors towards climate neutrality through cross-cutting solutions**

- [Integrating advanced materials, cell design and manufacturing development for high-performance batteries aimed at mobility \(Batt4EU Partnership\).](#) Research and Innovation Actions, Single stage. Deadline 20 January 2026. Budget 30 mln Euro, 3 projects will be funded
- [Development of sustainable and design-to-cost batteries with \(energy-\)efficient manufacturing processes and based on advanced and safer materials \(Batt4EU Partnership\).](#) Innovation Actions, Single stage. Deadline 20 January 2026. Budget 24 mln Euro, 3 projects will be funded
- [Accelerated multi-physical and virtual testing for battery aging, reliability, and safety evaluation \(Batt4EU Partnership\).](#) Innovation Actions, Single stage. Deadline 20 January 2026. Budget 15 mln Euro, 2 projects will be funded
- [Monitoring and Evaluation of the Societal Readiness Pilot.](#) Coordination & Support Actions, Single stage. Deadline 20 January 2026. Budget 1.5 mln Euro, 1 project will be funded



Open calls under destination

**Using energy in buildings and industry in an efficient,  
affordable and sustainable way**



- [Smarter buildings as part of the energy system for increased efficiency and flexibility – Societal Readiness Pilot.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 12 mln Euro, 3 projects will be funded
- [Innovative pathways for low carbon and climate resilient building stock and built environment \(Built4People Partnership\).](#) Research and Innovation Actions, Single stage. Deadline 17 February 2026. Budget 15 mln Euro, 3 projects will be funded
- [Optimal combination of low embodied carbon construction products, technical building systems and circularity principles for climate neutral buildings \(Built4People Partnership\).](#) Research and Innovation Actions, Single stage. Deadline 17 February 2026. Budget 12 mln Euro, 3 projects will be funded
- [On-site innovative robotic and automated solutions and techniques for more sustainable and less disruptive building renovation and construction.](#) Research and Innovation Actions, Single stage. Deadline 17 February 2026. Budget 15 mln Euro, 3 projects will be funded
- [Phase out fossil fuel in energy intensive industries through the efficient integration of renewable energy sources.](#) Innovation Actions, Single stage. Deadline 17 February 2026. Budget 15 mln Euro, 2 projects will be funded

Natalia Shatirishvili

Thank You!

Cluster 5  
**CLIMATE, ENERGY  
& MOBILITY**

