

SIEA

SLOVENSKÁ INOVAČNÁ
A ENERGETICKÁ AGENTÚRA

Operational Programme Slovakia 2021-27

A more energy efficient Danube Region

13 July 2022

Operational Programme Slovakia 2021 - 2027

OP S – currently being evaluated by European Commission

SIEA – Intermediate Body implementing 3 Specific Objectives

Specific Objectives

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| 2.1 | Supporting energy efficiency and reduction of greenhouse gas emissions |
| 2.2 | Supporting energy from renewable sources |
| 2.3 | Development of intelligent energy systems, networks and storage outside TEN-E |

2.1 Supporting energy efficiency and reduction of greenhouse gas emissions

Activity	
2.1.1	Improving energy efficiency in enterprises
2.1.2	Reducing energy demand in buildings
2.1.3	Supporting regional and local energy development

2.1 Supporting energy efficiency and reduction of greenhouse gas emissions

Activity: 2.1.1 Improving energy efficiency in enterprises

- ✓ **priority support for SMEs, large enterprises** also eligible in accordance with Regulation (EU) 2021/1058 on ERDF and CF
- ✓ **measures based on the recommendation in the energy audit** for buildings, technological equipment and transport (vehicle's purchase not supported) e. g.:
 - improving the thermal insulation of buildings,
 - improving the efficiency of existing equipment for the production of power / heat / cold or its replacement for more efficient devices,
 - implementing systems for monitoring, optimizing and managing energy consumption, etc.
- ✓ **exclusion of measures defined in Annex 1 of Regulation (EU) 2003/87/EU** on GHG emission trading

2.1 Supporting energy efficiency and reduction of greenhouse gas emissions

Activity: 2.1.2 Reducing energy demand in buildings

- ✓ supporting energy efficiency in **public and residential buildings**
- ✓ **priority** given to **energy efficiency**
- ✓ **aid intensity based on** the rate of **primary energy saving** (30% to 60% PES)
- ✓ at least **medium level of renovation depth**
- ✓ emphasis on the **quality of the internal environment**
- ✓ where relevant and feasible, the renovation also includes the **installation of RES** and **elements** for the protection of biodiversity and **green infrastructure**
- ✓ support given to the introduction of **energy management, monitoring of operational data**

2.1 Supporting energy efficiency and reduction of greenhouse gas emissions

Activity: 2.1.3 Supporting regional and local energy development

- ✓ **planning and coordination** of the **decarbonisation processes** in the regions,
- ✓ **support in implementation** of the decarbonisation process, including the identification of key investment activities and projects,
- ✓ **creation of Regional Energy Centres** (coordination, monitoring, analytical and methodological tasks) and **Regional Centres for Sustainable Energy** (planning and coordination of the decarbonisation process in regions)

2.1 Supporting energy efficiency and reduction of greenhouse gas emissions

Interregional, cross-border and transnational actions

- ✓ **overlap of specific objective 2.1 with Danube Strategy in measures 2.1.1 and 2.1.2**
- ✓ key objectives of priority area 2 of Danube Strategy are: "*Better use of renewable energy sources*" and "*Increasing energy efficiency and supporting the decarbonisation of the heating and cooling sector*", they contribute to the goal of "*A greener, carbon-free Europe, implementing the Paris Agreement and investing in renewable energy sources and the fight against climate change*"
- ✓ **synergy** with Danube Strategy goals will be achieved by **special allocations in calls** focused on measures 2.1.1 and 2.1.2
- ✓ in case of sufficient readiness of the projects, it will be possible to announce national synergistic-capitalization calls

2.2 Supporting energy from renewable sources

Activity	
2.2.1	Supporting the use of RES in enterprises based on active consumers of electricity, self-consumers of energy from RES and communities producing energy from RES
2.2.2	Supporting the increase of RES share in energy supply systems
2.2.3	Supporting the use of RES in households (innovation of the project "Green for households")
2.2.4	Supporting search and exploration of geothermal energy for energy purposes

2.2 Supporting energy from renewable sources

Activity: 2.2.1 Supporting the use of RES in enterprises

- ✓ **increasing the use of RES by self-consumers, communities, SMEs and large enterprises in accordance with Regulation (EU) 2021/1058 on ERDF and CF**
- ✓ support given to **explicitly listed forms of energy** – wind, solar, geothermal energy from the surrounding area, landfill gas, gas from WasteWater Treatment Plant, biogas and biomass (meeting Do No Significant Harm criteria)
- ✓ energy derived from RES should be **primary for own use** (local, decentralized sources), equipment for electricity storage eligible
- ✓ pilot project "**Green to Enterprise**" - vouchers for the installation of small RES plant in SMEs in combination with the proposal of energy efficiency measures through energy audits for SMEs

2.2 Supporting energy from renewable sources

Activity: 2.2.2 Supporting the increase of the RES share in energy supply systems

- ✓ support given to the **transition to efficient DHC systems** through the use of RES in the energy supply of heat and cold, including the utilization of waste heat and heat from biogas stations
- ✓ installation of **combined heat and power plant (CHP) combusting biogas**
- ✓ reconstruction and construction of **heat sources and CHP plant combusting biomass**
- ✓ increasing the share of RES in energy carriers through:
 - ✓ technologies for processing biogas into biomethane, new plants for biomethane generation
 - ✓ construction of facilities for the production of green hydrogen,
 - ✓ introducing systems for monitoring, optimizing and managing energy consumption
- ✓ **exclusion of measures defined in Annex 1 of Regulation (EU) 2003/87/EU** on GHG emission trading

2.2 Supporting energy from renewable sources

Activity: 2.2.3 Supporting the use of RES in households

- ✓ support to **RES plant for the production of heat, cold and power**
- ✓ accumulation of energy from RES
- ✓ support given to systems for monitoring, optimizing and managing energy consumption

Activity: 2.2.4 Supporting search and exploration of geothermal energy for energy purposes

- ✓ support given to **search, exploration and verification of geothermal energy resources** for energy purposes (studies, geophysical surveys, exploratory wells, reinjection wells, hydrodynamic tests, final reports and other geological works)

2.2 Supporting energy from renewable sources

Interregional, cross-border and transnational actions

- ✓ **overlap of specific objective 2.2 with Danube Strategy in measures 2.2.1 and 2.2.2**
- ✓ key objectives of priority area 2 of Danube Strategy are: "*Better use of renewable energy sources*" and "*Increasing energy efficiency and supporting the decarbonisation of the heating and cooling sector*", they contribute to the goal of "*A greener, carbon-free Europe, implementing the Paris Agreement and investing in renewable energy sources and the fight against climate change*"
- ✓ **synergy** with Danube Strategy goals will be achieved by **special allocations in calls** focused on measures 2.2.1 and 2.2.2
- ✓ in case of sufficient readiness of the projects, it will be possible to announce national synergistic-capitalization calls

2.3 Development of intelligent energy systems, networks and storage outside TEN-E

Activity: 2.3.1 Support of intelligent energy systems, including energy storage

- ✓ **creating local distribution networks**, especially within energy communities with the aim of using electricity at the place of its production and only surpluses transferred to regional distribution systems
- ✓ **energy storage** for the purpose of efficient use of resources
- ✓ introduction of **intelligent energy systems**, including cyber security components and central platform for data exchange
- ✓ installation of **intelligent elements in power systems**
- ✓ construction, reconstruction of **lines and transformer stations**
- ✓ smart metering will not supported

2.3 Development of intelligent energy systems, networks and storage outside TEN-E

Interregional, cross-border and transnational actions

- ✓ **overlap of specific objective 2.3 with Danube Strategy in measures 2.3.1**
- ✓ key objectives of priority area 2 of Danube Strategy are: "*Better use of renewable energy sources*" and "*Increasing energy efficiency and supporting the decarbonisation of the heating and cooling sector*", they contribute to the goal of "*A greener, carbon-free Europe, implementing the Paris Agreement and investing in renewable energy sources and the fight against climate change*"
- ✓ **synergy** with Danube Strategy goals will be achieved by **special allocations in calls** focused on measure 2.3.1
- ✓ in case of sufficient readiness of the projects, it will be possible to announce national synergistic-capitalization calls

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Thank you for attention