



EXPRESS

EXPRESS 1st THEMATIC STUDY

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About Rzeszow Regional Development Agency and the Podkarpackie Region

RRDA - public non-profit institution established by the Region's Local Authorities and located in Rzeszów – the capital city of the Podkarpackie Region.

The Podkarpackie Region - one of the 16 Regions, located in south-east of Poland. The Region is managed by the – the Marshal's Office of Podkarpackie Region.







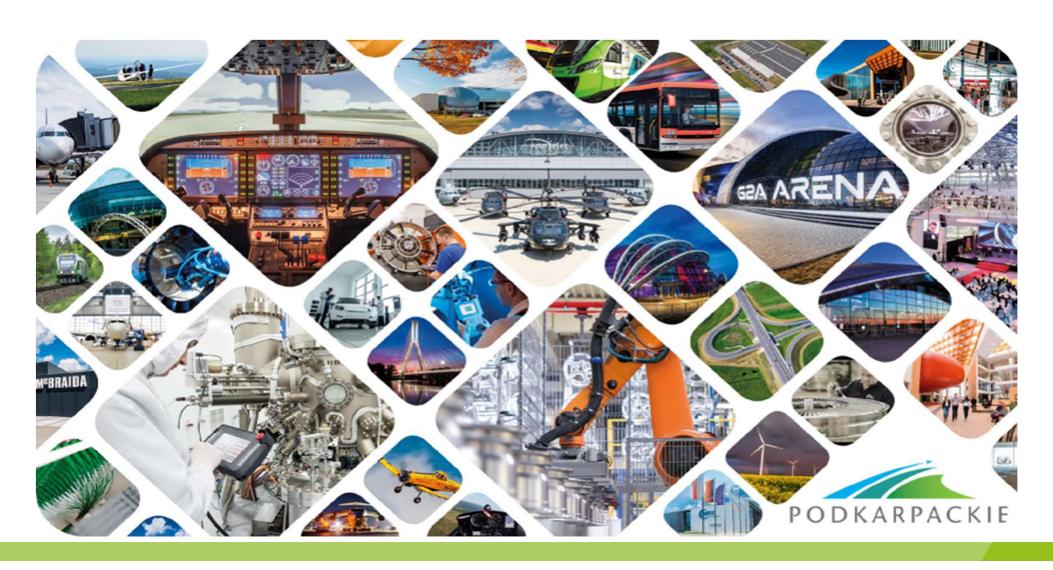
About Rzeszow Regional Development Agency and the Podkarpackie Region

RRDA's and the Podkarpackie Region main aims:

- multi-level, comprehensive support of the Region's development,
- to play an active role in achieving the objectives of current Policy Instrument European Funds for Podkarpackie Region 2021-2027 financed from the Eastern Poland Programme for 2021-2027,
- to constantly improve the quality and standard of life of its inhabitants, promote the possibilities offered by the Region,
- promote the image of Podkarpackie Region as a modern, innovative and economically developed area,
- support Region's social, economic an technological growth as well as significantly affect the national and international development.



AREAS OF DEVELOPMENT



SLIDE 5

RZESZÓW and PODKARPACKIE REGION IN PICTURES













EXPRESS PROJECT LINKAGE TO STRATEGIES AND REGIONAL DEVELOPMENT WORK

Priority II – Clean Energy and Environment of the European Funds for Podkarpackie Region 2021-2027 (PI)

main objectives:

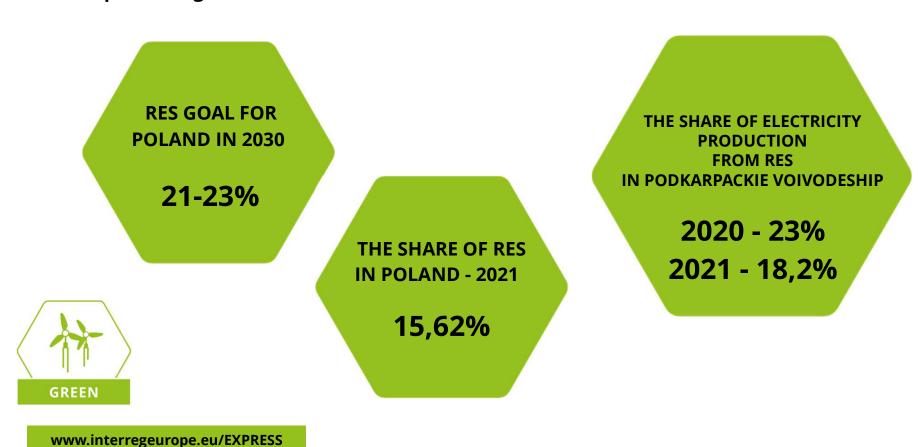
- efficient use of Energy
- limited energy intensity of the economy
- increased energy efficiency and energy efficiency
- promotion of RES
- increase of the share of RES in the overall energy balance of the Podkarpacie Region
- support of the energy transition towards a low-carbon economy



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REGIONAL CONTEXT ASSESMENT IN A NUTSHELL

Hydroelectric power plants and photovoltaic panels – main sources of electricity production from RES in Podkapackie Region.



BIGGEST CHALLANGES AND POTENTIAL AND RENEWABLE ENERGY SELF-SUFFICIENCY POTENTIAL

The biggest challenges to tackle:

- high risk of energy poverty due to the invasion of Russian to Ukaraine,
- low air quality, too much greenhouse gas emissions (mainly CO2),
- very high energy consumption in buildings,
- use of hard coal by households for heating in the Podkarpackie Region,
- · improvement of transport accessibility and circular economy,
- public transport and commuting zones.

The potential:

- constantly increasing share of RES use in overall energy balance of Podkarpackie Region as well as in Poland,
- support of local authorities in the energy transition ("Cean Air" individual household support programme),
- promotion of energy efficiency, intelligent energy management and renewable energy use in public infrastructures,
- including in public buildings and in the housing sector.



IDEAS FOR REGION'S GOOD PRACTICES

Low-energy consumption or energy passive public buildings

The hdqrs. of Podkarpackie Chamber of Structural Engineers – example of modern, ecological architecture and energy-saving construction technologies, built according to the standards of passive building construction.

Self-sufficient bus station - facility entirely covered with photovoltaic panels are located on the facades, bus shelters and even shutters. The power of the photovoltaic installation in combination with a heat pump makes it zero-energy building.

Public swimming pool – built according to the standards of passive buildings contruction. It's equipped with heat pumps, inreased thermal insulation, a solar installation and a charging station for electric vehicles. Approx. 40 % of the building's electricity needs comes from photovoltaic panels .

Cross-sectoral cooperation

Hydrogen Valley of Podkarpackie Region

<u>Aim</u>: to undertake projects related to obtaining hydrogen, economical forms of production, and finally the use of hydrogen in the economy. In Podkarpacie, hydrogen-powered buses, which have recently been produced and tested by Sanok's Autosan, are most often mentioned in this context.







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THE GOALS IN THE PROJECT

Through the EXPRESS project RRDA will promote RES and their increase in the overall energy balance of the Podkarpackie Region and transition towards low-carbon economy.

The improvement and possible actions will be based on EXPRESS project knowledge exchange, lessons learnt and the best solutions presented by project partners in the area of RES and the increase of the energy self-sufficiency in the participating regions.



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Thank you!

The project EXPRESS is implemented in the framework of the Interreg Europe programme and co-financed by the European Union.

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