

RESINDUSTRY ACTION PLAN FOR ŚWIĘTOKRZYSKIE



ŚWIĘTOKRZYSKIE
VOIVODESHIP

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General information

Project: RESINDUSTRY: Policies for Renewable Energy Sources in industry

Partner organisation(s) concerned: Office of the Marshal of the Świętokrzyskie Voivodeship

Country: Poland

NUTS2 region: PL72 Świętokrzyskie

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1. Introduction.

1.1 Description of the RESINDUSTRY project.

The RESINDUSTRY project "Policies for Renewable Energy Sources in industry" deals with the use of renewable energy sources in industry and aims to develop good practices to increase the energy independence of the EU industry sector through a higher share of energy from RES. The project is implemented by 7 partners from the Czech Republic, Finland, Estonia, Poland, Austria, Malta and Spain. The Renewable Energy Policy for Industry makes it possible to increase the competitiveness of industry by lowering energy bills. The RESINDUSTRY project is implemented under the INTERREG EUROPE Programme, Priority axis 3 Low-carbon economy, Specific objective 3.1 Improving policy implementation of regional development programmes, in particular the Investment for growth and jobs objective and where appropriate ETC, related to the transition to a low-carbon economy.



Mission of experts from Finland, 7 April 2022.

1.2 Purpose of the document.

The Action Plan for Świętokrzyskie was developed to improve regional policy on increasing the energy independence of industry operating in the Świętokrzyskie region by reducing its energy intensity. Achieving this goal will enable an increased integration of renewable energy sources. This document is a source of recommendations, which can be used during the implementation of the future EU financial perspective.

Within the Świętokrzyskie Voivodeship, there was a need to target the policy instrument of the Regional Programme European Funds for Świętokrzyskie 2021 - 2027 so that as much of the budget as possible is reallocated to financing the best identified industry-integrated RES solutions, which will be identified in the respective strategy.

The intermediate objectives of the RESINDUSTRY project, which were realised during the 3 years of the project, are the creation/implementation of the:

- a) Strategic analysis of RES technologies applied in industry - this activity resulted in the development of a market analysis on the optimal use of renewable energy sources (RES) in the industrial sector, in the Świętokrzyskie voivodeship;
- b) Monitoring system for calculating long-term impact of structural funds, in terms of environmental impact, as well as socio-economic impact of implemented measures. The activity was implemented by developing a Market Evaluation for the Świętokrzyskie Voivodeship, as well as a Report with a template for regional evaluation.
- c) A communication platform between the industry and the Managing Authority, so that final beneficiaries of the Structural Funds could influence the definition of calls or provide feedback. The action was implemented through the creation of a dedicated platform with the possibility to contact:
https://b2b.swietokrzyskie.pro/portal/resindustry_co_nowego,
(e-mail contact box: b2b@swietokrzyskie.pro).

The platform created is free of charge and mainly serves the matchmaking of Świętokrzyskie and foreign entrepreneurs. It makes it possible to identify key customers and to apply to them an appropriate strategy for maintaining effective cooperation. It allows to increase the satisfaction of these customers by building long-term relationships with them.

- d) Regional Development Strategy 2020+ Units - the task was carried out before the RESINDUSTRY project activities, because in the Marshal's Office of the Świętokrzyskie Voivodeship, in the Department of Investment and Development Department already had such branches as:
 - Strategic Programming and Analysis Branch,
 - ROP Management Branch 2014 - 2020,
 - Energy Projects Branch,
 - ROP Reporting and Evaluation Branch.



3rd Stakeholder Meeting combined with study visits, 29 July 2021

2. Description of the problems and challenges in the Świętokrzyskie Voivodeship in the context of energy independence of industry.

2.1 Regional Operational Programme of the Świętokrzyskie Voivodeship¹.

Under the Regional Operational Programme of the Świętokrzyskie Voivodeship for 2014-2020 (ROPŚ 2014-2020), 11 priority axes have been set out (including one axis which concerns technical assistance). The allocation of European Union funds for the above-mentioned programme amounts to EUR 1 364 543 593.00. In connection with the outbreak of the SARS-CoV-2 pandemic, a special axis, i.e. AXIS 12 REACT - EU, was created with an additional allocation of EUR 15 902 414.00. With the addition of Axis 12, the allocation amounts to EUR 1 380 446 007.00. The measures implemented under the programme contribute inter alia to the strengthening of the competitiveness and innovation of the regional economy, as well as building the potential of regional enterprises. The support will also cover the area of labour market, social inclusion and education as well as the sphere of public services.

Projects of key importance for the development of the region were or are being implemented with funds from the ROPŚ. Co-financing was available for various types of projects, covering areas such as:

¹ Source: REGIONAL OPERATIONAL PROGRAMME OF ŚWIĘTOKRZYSKIE VOIVODSHIP 2014-2020 DETAILED DESCRIPTION OF PRIORITY AXIS (VERSION 54) Kielce, April 2022

- generation of electricity and heat from RES,
- biocomponent and biofuel production facilities,
- deep and comprehensive energy modernisation of buildings,
- upgrading of street lighting to energy-efficient lighting,
- construction and modernisation of district heating networks,
- replacement of heat sources,
- cycle paths,
- Park & Ride infrastructure,
- station and urban infrastructure (e.g. reconstruction of junctions, bus lanes),
- clean public transport fleets,
- counteracting natural disasters and dealing with the consequences of disasters (small retention reservoirs, flood polders, specialised equipment and facilities, OSP),
- infrastructure for selective collection, waste treatment, sorting, composting,
- comprehensive support for water and wastewater management,
- maintenance of areas and resources of high natural value (local and regional) national and municipal parks, reserves, gene banks, educational paths),
- construction or reconstruction of voivodship roads which are connected to the network of national roads, expressways and motorways.

2.2 European Funds for Świętokrzyskie².

Under the draft Regional Programme - European Funds for Świętokrzyskie, 12 Priorities have been identified, of which two are technical assistance. Under the European Regional Development Fund (ERDF) these are:

- Priority 1 Competitive Economy,
- Priority 2: Environmentally friendly region,
- Priority 3: Urban mobility,
- Priority 4 Accessible Świętokrzyskie,
- Priority 5 - Świętokrzyskie for citizens,
- Priority 6 Community and space,
- Priority 11 ERDF Technical Assistance.

Under the European Social Fund Plus (ESF+) these are:

- Priority 7. Prevention and protection of residents' health,
- Priority 8 Education at all stages of life,

² Source: European Funds for Świętokrzyskie SOCIAL CONSULTATION ON THE DRAFT REGIONAL PROGRAMME FOR 2021-2027.

- Priority 9 Social and health services,
- Priority 10: Active on the labour market,
- Priority 12 ESF+ Technical Assistance.

Allocation of EU funds under the Programme European Funds for Świętokrzyskie totals EUR 1 403 141 203.00, of which EUR 1 051 378 852.00 is for ERDF, while EUR 351 753 351.00 will be transferred under ESF+. The breakdown of funds for particular priorities is presented in the charts below.

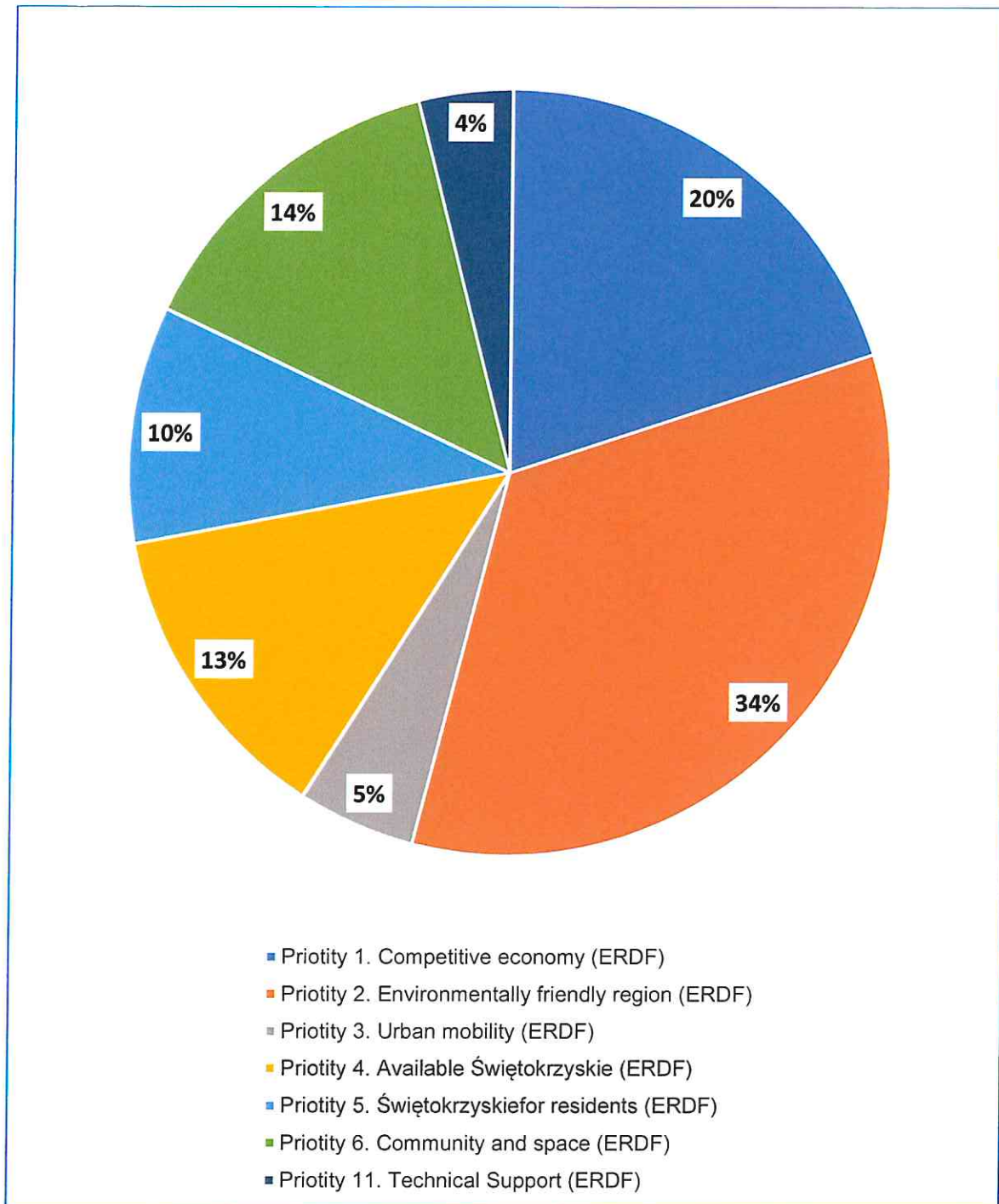


Figure 1. Breakdown of EU Funds for Świętokrzyskie for the period 2021-2027 (% values calculated from the Programme's total ERDF allocation).

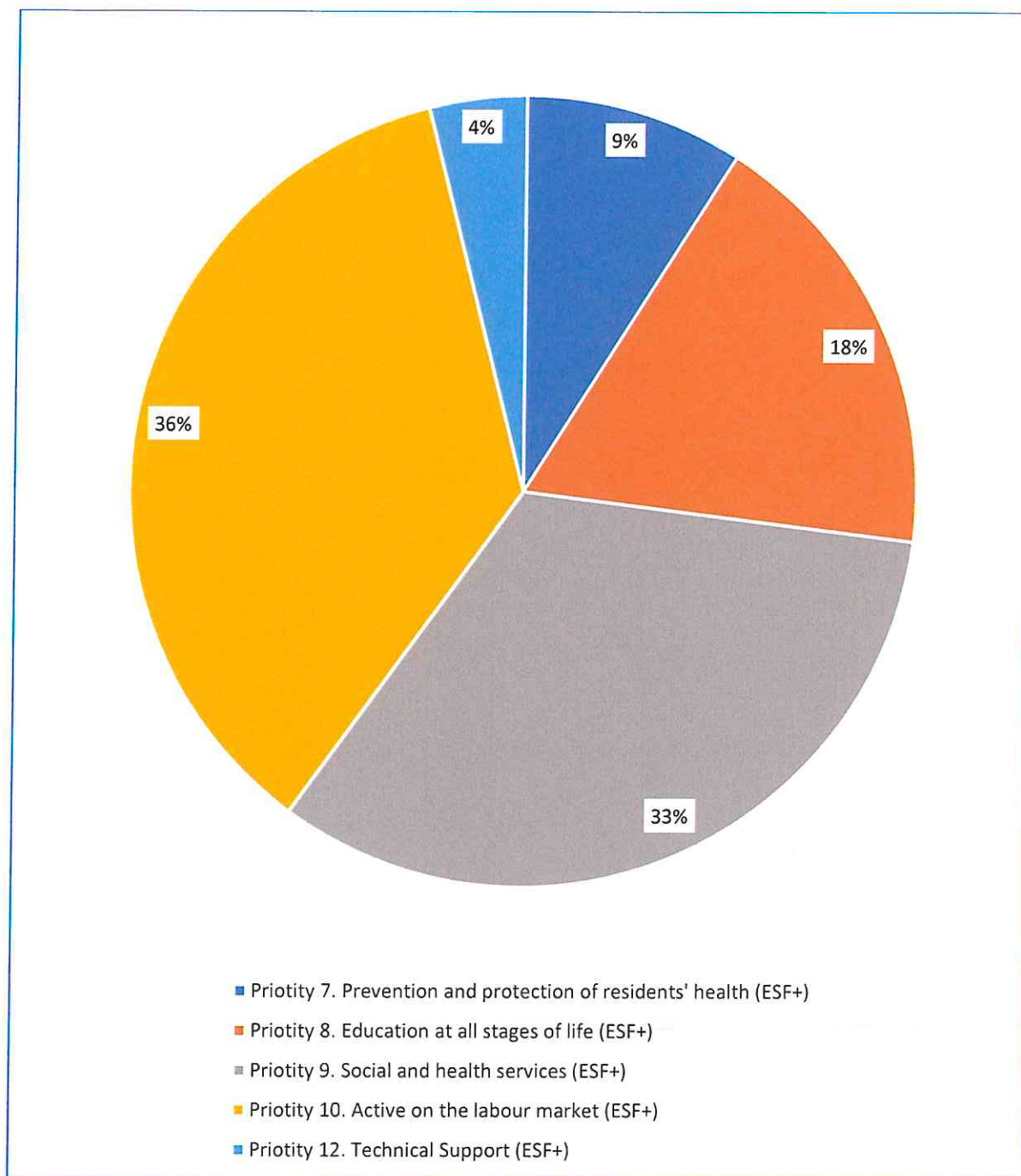


Figure 2. Breakdown of EU Funds for Świętokrzyskie for the period 2021-2027 (% values calculated from the Programme's total ESF+ allocation).

2.3 Positioning of the energy sector and renewable energy sources in industry in ROP WŚ 2014-2020 and in the regional programme for 2021-2027.

Regional Operational Programme for 2014-2020.

The sector of energy and renewable energy sources in industry has been placed in the Świętokrzyskie Regional Operational Programme for 2014-2020 in Priority Axis 3 - Efficient and green energy. The specific objectives of the above-mentioned axis were, among others

- increased share of energy produced from RES in the total energy production in the Świętokrzyskie province,
- increased energy efficiency of businesses operating in the Świętokrzyskie voivodeship,
- reducing emissions of dust and harmful substances into the atmosphere.

The allocation of funds under the European Regional Development Fund (ERDF) was EUR 184 637 604.00. Support for the industrial sector, among others, was granted within the framework of:

- measure 3.1 - use and distribution of energy from renewable sources (to the extent that it corresponds to projects carried out by the business sector),
- measure 3.2 - energy efficiency and renewable energy sources in enterprises,

European Funds for Świętokrzyskie for 2021-2027.

Priority 2 - The environmentally friendly region is a Priority comprising action lines in the field of energy and renewable energy sources, including measures for industry. The European Union's allocation for this Priority is €354,800,000.00. From a private sector perspective, the key measures are:

- ❖ Objective 2 (i) Promoting energy efficiency and reducing greenhouse gas emissions, where the main types of action will be:
 - Improvement of energy efficiency in micro and small enterprises, investments reducing energy consumption, energy recovery in the production process, use of energy efficient technologies, comprehensive energy modernisation of buildings in enterprises, replacement of equipment with energy efficient equipment with installation of RES equipment.
- Objective 2 (ii) To promote renewable energy in accordance with Directive (EU) 2018/2001, including the sustainability criteria set out therein.

- Construction or expansion of RES electricity generation facilities with connections and the possibility to build energy storage facilities operating for the RES source in terms of energy generation from:
 - wind;
 - biomass;
 - water;
 - solar radiation
 - biogas (renewable hydrogen, biomethane);
 - 2nd and 3rd generation biofuels.

At the regional level, projects of the abovementioned capacity will be implemented, while it should be noted that demarcation applies to the total capacity of all generation units of a given RES type included in the project. The limits do not apply to projects implemented by energy clusters or energy cooperatives or umbrella projects.

- Construction or expansion of installations for the production of heat from renewable energy sources with the possibility to build heat storage facilities operating for a given RES source:
 - biomass (up to 5 MWth),
 - solar (up to 0.5 MWth),
 - biogas (up to 0.5 MWth),
 - geothermal (up to 2 MWth).

In this case, the demarcation also applies to the total capacity of all generation units of a given RES type included in the project. The limits do not apply to projects implemented by energy clusters or energy cooperatives or umbrella projects.

- Expansion of the existing installations for production of energy and heat from RES with energy storage facilities operating for an existing source.

In accordance with the provisions of the draft Programme, some of the above measures are planned to be implemented as umbrella projects.

2.4 Identification of key issues and challenges for the future programming period of EU funds related to RES investments by industrial companies.

The key issues related to the new EU funds programming period for RES investments by industrial entrepreneurs include the benefits that will result from the actions taken and investments made. Apart from economic benefits, the main benefit will be environmental, related to the departure from fossil fuels. In the case of a change from a conventional energy source to a renewable energy source. According to a market analysis of the optimal use of renewable energy sources (RES) in the industrial sector, in the Świętokrzyskie voivodeship, the replacement of energy sources from conventional to renewable, at the level of 1000 MW (e.g. by creating small and micro photovoltaic installations, biogas plants, wind turbines, geothermal installations or other RES installations) it is possible to ensure from about 800 thousand even up to 1 million MWh of generated net energy. According to the above-mentioned study, the implementation of such a measure can have a significant impact on the reduction of CO₂, reducing its emissions by 806 thousand tonnes. With the knowledge gained from the analysis, it can be concluded that an important fact from the point of view of the operation of companies in the industrial sector that decide to invest in RES, is creating such solutions that will allow to generate energy from RES and to consume it on the spot. Operating according to such a scheme reduces transmission losses, which has a direct impact on the reduction of energy produced in conventional power. This has a direct impact on lowering the energy produced in conventional power plants and heating plants, and thus on lowering the level of emitted pollution.

Actions aimed at the use of renewable energy sources should be properly planned. The issue that needs to be taken into account concerns the environmental impact of the investment. In order to eliminate the negative impact on the state of the environment both today and in the future, it is necessary to take care of the proper location of the project (taking into account protected and valuable natural areas, as well as local urbanization trends), as well as the way of operating and extinguishing the installation (e.g. recycling of photovoltaic panels which are no longer usable). Another example of proper action is (already at the stage of creating the installation) securing the renovation fund, which allows for efficient operation of the installation and a quick response in case of failure.

When planning investments in RES, local conditions, including the technical infrastructure, should be analysed. Not only the existing energy or heat transmission networks should be examined, but also the development plans of the entities responsible for energy distribution, considering the technical feasibility of different scenarios. The lack of a proper understanding

of the situation may cause technical problems, e.g. with the reception of the produced energy or heat, as well as its distribution.

When defining key issues and challenges for the future programming period, the possibility of using hydrogen for energy production or storage should be kept in mind. The activities to be carried out should fit into the framework of the Polish Hydrogen Strategy until 2030 with an outlook until 2040. It is worth noting that the University of Technology in Kielce has a Scientific and Implementation Centre for Smart Specialisations of the Świętokrzyskie Region, which conducts research into the production of liquid hydrogen.

In order to identify challenges for the programming period of the EU funds, covering the years 2021-2027, related to investments of industrial entrepreneurs in RES, a SWOT analysis was conducted, considering strengths and weaknesses, as well as opportunities and threats related to the planned measures. The results of the analysis are presented in the table below³.

STRENGTHS	WEAK POINTS
<ul style="list-style-type: none"> • implementation of the Świętokrzyskie Voivodeship Development Strategy to 2030+, including the implementation of key projects contained, inter alia, in Annex No. 2 to the above-mentioned document (Clean Energy for Świętokrzyskie), • emphasis on the development of RES technologies in industry and • and services in the form of heat pumps (waste, air, water energy), solar energy devices (PV panels and solar collectors), deep heat and solar thermal systems (solar thermal panels and solar collectors). • solar energy equipment (PV panels and solar collectors), deep geothermal energy (high potential of thermal water in the region), biomass facilities and wind power plants. • and wind power plants, • regulated legal status regarding the so-called "collective prosumer", 	<ul style="list-style-type: none"> • the need for high levels of investment, • insufficient level of innovation among industrial and service companies • insufficient level of innovation among industrial and service companies operating in the Świętokrzyskie voivodship, • power and heating industry powered by conventional fuels, • legal barriers at the central level preventing the decisive development of RES • in the region, • domination of the energy market by large energy distributors.

³ Prepared based on "Optimal Use of Renewable Energy Sources (RES) in the industrial sector in Świętokrzyskie Voivodeship". - Świętokrzyskie Voivodeship, by Dr Tomasz Fiszer, Krakow - Kielce, 2020.

<p>which can be an energy cluster, an energy cooperative,</p> <ul style="list-style-type: none"> • "green growth" beyond the financial outlay incurred, • possession of "know-how" thanks to the implementation of projects with partners from Western Europe, • thanks to on-site energy production and consumption - no transmission losses, • savings resulting from the generation of energy for own use, • availability of infrastructure. 	
<p>OPPORTUNITIES</p>	<p>THREATS</p>
<ul style="list-style-type: none"> • education and promotion of the possibilities of using RES in industry, • economic growth, • the need to halt climate change, • increase in energy demand, • increase in demand for heating and cooling, • significant increase in costs of conventional energy and heat purchase for entrepreneurs, • change in legislation at central level, • central policies aimed at energy independence from other states, • shift away from conventional energy, • abandonment of fossil fuels, 	<ul style="list-style-type: none"> • the existence of phenomena • of a socio-economic nature that may have a negative impact on the level of development of sources of innovation, • unfavourable structure of the economy of Świętokrzyskie voivodeship (low share in GDP creation), • instability of the central policy concerning energy.

Table 1. SWOT analysis of the growth of RES use in industry.



3rd Stakeholder Meeting combined with study visits, 29 July 2021.

3. Action plan.

3.1. Action 1 - Improving the policy instrument to influence the earmarking of funds under Priority Axis 3 Efficient and Green Energy of the Regional Operational Programme (ROP) 2014-2020.

3.1.1. The background

During numerous discussions with RESINDUSTRY project stakeholders and seminars, the need to continue support for Priority Axis 3 Efficient and Green Energy within the Regional Operational Programme for the Świętokrzyskie Voivodeship 2014-2020 (ROP 2014 - 2020) was emphasised. The issues of raising additional funds resounded during both the 1st, 2nd and 3rd Local Stakeholder Seminars, which took place in June 2020, January and July 2021, respectively. The rationale for this task was determined by the 3rd RESINDUSTRY Stakeholder Seminar, which included two study visits. The first took place at the Kielce University of Technology, where participants visited the CENWIS building and viewed the university's microgrid management centre. The second took place at a wind farm in Szerzawy in the Pawłów commune, where a representative of Elawan Energy discussed the details of an installation comprising five wind turbines with a total capacity of 10 MW. The installations presented during the study visits inspired stakeholders to intensify their efforts to develop and use RES. The technical, economic and environmental details presented awakened in them the desire to implement similar solutions in their companies.

The experiences described, as well as the knowledge gained during the joint meetings within the RESINDUSTRY project allowed for the development of a common, consensual position on the possible impact on support within the ROP WŚ 2014 - 2020. Due to the fact that the Świętokrzyskie Voivodeship Board has extensive experience in implementing the Regional Operational Programme in the Świętokrzyskie Voivodeship as the Managing Authority of the Regional Operational Programme for the Świętokrzyskie Voivodeship 2014 - 2020 and the Regional Programme European Funds for Świętokrzyskie 2021 - 2027, with the participation of the Department of Investment and Development, took part in negotiations with the with the European Commission in order to maximise local needs. The above resulted in a new competitive call for projects in Priority Axis 3 Efficient and Green Energy PI - Measure 3.2, which was implemented from 10 to 24 June 2022. The budget of the call, according to the announcement, amounted to PLN 3,620,000 (allocation to be contracted in co-financing agreements). However, it is estimated that the actual amount that can be contracted under the measure will be at least twice as much, mainly due to the released allocation due to the termination of several existing contracts.

The funds for the call for proposals from the existing allocation assigned in the Programme to Measure 3.2 were taken from the contracts terminated under this Measure (inter alia, due to the resignation of Beneficiaries), differences in the euro exchange rate and corrections imposed on subsidised projects as a result of the controls carried out on their implementation. Consultations of the RESINDUSTRY Project team with the ROP 2014-2020 Management Branch team resulted in an increase of the initial amount by 20%, i.e. by PLN 724,000 to PLN 3,620,000. The minimum value of project co-financing is PLN 100,000.00. The maximum value of project co-financing is PLN 1,000,000.00.

3.1.2. Action

Allocation of PLN 3,600,000 for the call for proposals under Measure 3.2 Efficient and green energy using renewable energy sources in the small and medium-sized enterprises sector of the Regional Operational Programme for the Świętokrzyskie Voivodeship 2014-2020. The increase in the allocation for Measure 3.2 supports projects to improve the energy efficiency of (including RES used for own needs) of micro, small and medium-sized enterprises, aimed to reduce electricity consumption, heat energy and water losses, consisting of deep, comprehensive energy modernisation of buildings in enterprises. The investments of the beneficiaries of the support must be carried out on the basis of the results of an energy audit carried out (within the meaning of Article 8 and Annex VI of Directive 2012/27/EU and Directive 2018/2002 of 24 December 2018 amending Directive 2012/27/EU on energy efficiency) ex-ante, and must result in an increase in energy efficiency of min. 25 %. Preference will be given to projects that increase energy efficiency by more than 60%.

In particularly justified cases, if this results from an energy audit and is only an element of the overall project - it will be possible to co-finance investments in boilers burning biomass (up to 50 kW), provided that appropriate energy efficiency is achieved and other criteria defined during the call for proposals are met. Preference will also be given to investments aimed at improving energy efficiency through the use of solutions aimed at managing energy flows, optimising the operation of installations through the use of intelligent control automation systems or microgrids.

3.1.3. Partners involved

The implementation of the task primarily involves the Świętokrzyskie Voivodeship Board as the Managing Authority of the Regional Operational Programme for the Świętokrzyskie Voivodeship 2014 - 2020 and the Regional Programme European Funds for the

Świętokrzyskie 2021 - 2027, as well as the Investment and Development Department of the Office of the Marshal of the Świętokrzyskie Voivodeship delegated to implement this programme. The partner as an advisory body will be the University of Technology - Centre for Innovation and Technology Transfer.

3.1.4 Timeframe

Implementation of Phase One of the action will continue until the end of 2022. The work schedule for Action One is shown in the table below. The type of action and the duration of implementation are entered. It should be noted that Phase II of the action, due to its nature, will extend beyond the timeframe of the RESINDYSTRY project and is expected to be completed by the end of 2023.

	VI 2022	VII 2022	VIII 2022	IX 2022	X 2022	XI 2022	XII 2022	VI 2023	XII 2023
Working on the appropriate provisions of the additional call for priority 3									
Monitoring of the recruitment process, including carrying out the necessary consultations									
Expert consultation with a branch of the Department of Investment and Development									
Deadline for consideration of applications submitted under the supplementary call for proposals under priority 3									

3.1.5. Costs

Action implemented at no additional cost.

3.1.6. Sources of funding

Budżet Departamentu Inwestycji i Rozwoju Urzędu Marszałkowskiego Województwa Świętokrzyskiego.

3.2 Action 2 - Developing the provisions of the competition regulations under the new financial perspective to promote and intensify the use of biomass as a source of renewable energy.

3.2.1. The background

During the RESINDUSTRY project, Polish stakeholders had the opportunity to learn about the best ways to deal with the challenges of using renewable energy sources in industry.

Thanks to the exchange of experience with international partners, it was possible to find answers to the needs arising from, among other things, the need to provide alternative energy sources, improve air quality in Poland, and reduce the impact of food production on the climate. The conclusions inspiring the implementation of the action described below are:

1. poor air quality, low share of biofuels in the overall energy mix - pollution by PM10 and PM2.5, as well as by benzo(a)pyrene contained therein, which is a polycyclic aromatic hydrocarbon which is highly carcinogenic, results from the use of fossil fuels with a high ash and sulphur content. The air quality problem in the Świętokrzyskie voivodship is largely due to the high share of individual heating in the overall energy balance, energy inefficient building stock, and low levels of environmental awareness. The solution to this may be to increase the emphasis on the share of biomass in energy production, using the potential of the voivodship.

2. high potential for biofuel production - As a result of a market analysis of the optimal use of renewable energy sources (RES) in the industrial sector, it was found that in the Świętokrzyskie Voivodeship there are approximately 302 097 ha of soils in classes I to IVa and approximately 276 400 ha of soils in classes IV b to VI. The biofuel production potential in the region is therefore described as very high. Depending on the soil class, suitable plant species can be selected for biofuel production. The conditions described make it possible to produce rapeseed oil for fuel, to produce plants for energy purposes (woodchips, pellets, so-called energy crops, and even oat grains), to produce biogas from waste of plant origin, to produce biogas from waste from animal production, and also from waste from the agri-food industry.

With this in mind, when analysing the good practices presented by RESINDAstry project partners, special attention was paid to the activities described by LAB University of Applied Sciences from Finland, where the first case study presented the Finnish bakery and confectionery company Karl Fazer Oy (Fazer) together with Lahti Energia Oy (a regional energy company), which embarked on the construction of a biomass heating installation. The installation created made it possible to replace the existing natural gas-based heating. Of interest was the fact that the fuel for the new plant would be the production waste generated at the site, from, among other things, oat husks, which were produced during the xylitol production process. Fazer's method of bioenergy production makes it clear that the process of food production and biogas production can be uniquely combined, which, supported by the high potential of biofuel production in the Świętokrzyskie Voivodeship, gives hope for the transfer of such practices. The second practice presented by LAB University of Applied Sciences from Finland was the replacement of a natural gas heating system with a biomass steam boiler, which can use woodchips and agro biomass for heat production. The installed boiler provides heating and also enables the production of steam needed during malt production.

3.2.2. Action

The high potential for emission reductions resulting from improved energy efficiency, reduced demand for final energy, increased share of system heat, as well as the use of biomass as an alternative to conventional fuels can be realised as part of Objective 2 (i) - Supporting energy efficiency and reducing gas emissions, described above. The transposition of the RED II directive to the Polish law will force the amendment of acts in the field of energy and biofuels, which will significantly facilitate the realisation of the investments specified above. Measure No. 2, necessary for implementation as part of this Action Plan, is the development of provisions in the regulations of competitions under the new financial perspective, in order to promote and intensify the use of biomass as a source of renewable energy.

3.2.3. Partners involved

The task will be implemented by the Świętokrzyskie Voivodeship Board as the Managing Authority for the Regional Operational Programme for the Świętokrzyskie Voivodeship 2014 - 2020 and the Regional Programme European Funds for the Świętokrzyskie 2021 - 2027 and the Department of Investment and Development of the Office of the Marshal of the Świętokrzyskie Voivodeship delegated to implement this programme. The advisory functions

will be performed by the identified Stakeholders of the RESINDUSTRY project in the form of Verdo Energy Systems Sp. z o.o., Doradztwo Energetyczne Trade-Off Tomasz Fiszer, EkoEnergia Polska Sp. z o.o., Eco Voltaika.

3.2.4. Timeframe

The project will be implemented in 2 phases. The first will end at the end of 2022, then the second will be coupled with phase 2 of the RESINDUSTRY project, with completion in July 2023.

	VI 2022	VII 2022	VIII 2022	IX 2022	X 2022	XI 2022	XII 2022	III 2023	VII 2023
Working on the development of appropriate provisions of the regulations of competitions within the new financial perspective									
Preparation of specific provisions/regulations, public consultation									

3.2.5. Costs:

The activity would be implemented at no additional cost. Possible costs would be incurred at the stage of consultation of the elaborated provisions and their cost would not exceed PLN 500 (conference room rental, catering).

3.2.6. Sources of funding

Budget of the Investment and Development Department of the Marshal's Office of the Świętokrzyskie Voivodeship.

3.3 Action No. 3 - Creating conditions for the development of civic energy.



4th International Meeting in online format, 23 February 2021

3.3.1. The background

Changes are planned in Polish legislation that will contribute to the implementation of provisions in such strategic documents as:

- Strategy for Responsible Development (SOR),
- National Renewable Energy Action Plan (NREAP),
- Poland's Energy Policy until 2040 (PEP 2040).

Their implementation results from the diagnosed barriers negatively affecting the dynamics of citizen energy development. Interpretation doubts related to the very definition of an energy cooperative or energy clusters, their subject and entity functioning, as well as legal regulations concerning their registration - these are only selected problems affecting the willingness to create them and the efficiency of their operation.

Following the voice of the RESINDUSTRY stakeholders, who during the 1st, 2nd and 3rd Seminar repeatedly referred to the necessity of decentralising the energy supply system, pointing out the regional potential of the Świętokrzyskie voivodeship, both in terms of the implementation of possible investments and advice, diagnosed the need for the development of civic energy. Moreover, analysing the good practices implemented by

partners from Finland, Austria or Estonia, where projects were implemented by associations of entities or by entities using the advice of research and/or consultancy centres, often serving the inhabitants of a given area motivate the need for such actions. This is also confirmed by the experience provided by the project partner from the Czech Republic during the 3rd International Meeting online, hosted by the Ministry of Gozo.

3.3.2. Action

Influenced by the provisions of the rules of procedure of the competitions announced within the framework of the Regional Programme European Funds for Świętokrzyskie 2021 - 2027 and the Regional Programme European Funds for Świętokrzyskie 2021 - 2027, the Management Board of the Świętokrzyskie Voivodeship, as the Managing Authority of the above-mentioned Programme, has considerable potential to stimulate the process of establishing citizen energy groups, e.g. in the form of energy cooperatives. Reaching out to potential members of such groups and creating favourable conditions for them to function as beneficiaries of support from EU funds in the new financial perspective, will contribute to the intensification of citizen energy development in the Świętokrzyskie voivodeship.

3.3.3. Partners involved

The task was initiated by the Świętokrzyskie Voivodeship Board as the Managing Authority of the Regional Operational Programme for the Świętokrzyskie Voivodeship 2014 - 2020 and the Regional Programme European Funds for the Świętokrzyskie 2021 - 2027, as well as the Department of Investment and Development of the Office of the Marshal of the Świętokrzyskie Voivodeship delegated to implement this programme. Support for the creation and development of citizen energy groups has also been expressed by RESINDUSTRY project stakeholders, including, among others: RES Lab Sp. z o.o., Eco Voltaika, Verdo Energy Sp. z o.o., Przedsiębiorstwo Gospodarki Komunalnej w Końskie Sp. z o.o., Elawan Energy.

3.3.4. Timeframe.

Realizacja projektu przebiegać będzie w 2 etapach. Pierwszy z nich zakończy się końcem roku 2022, następnie drugi sprzężony będzie z 2 fazą projektu RESINDUSTRY, a jego zakończenie będzie miało miejsce w lipcu 2023 roku.

	VI 2022	VII 2022	VIII 2022	IX 2022	X 2022	XI 2022	XII 2022	III 2023	VII 2023
Prace robocze nad wypracowaniem właściwych zapisów regulaminów konkursów w ramach nowej perspektywy finansowej									
Przygotowanie konkretnych zapisów/regulacji, konsultacje społeczne									

3.3.5. Costs

The costs of setting up a citizens' energy group are small and are borne by its potential members.

3.3.6. Founding sources

Own funds of potential energy cluster members.

4. Summary

The Action Plan sets out measures to strengthen the role of renewable energy sources in the industrial companies sector. These initiatives improve public policies by promoting, disseminating knowledge, energy awareness and defining strategies and recommendations for achieving regional energy targets.

The planned activities were developed on the basis of the project partners' experience and during a series of meetings when a wide group of Stakeholders involved in the RESINDUSTRY project implementation joined in an active discussion on the possibility of introducing changes that could improve the use of renewable energy sources in our region. In the second phase, which starts in August 2022 and finishes in July 2023, the project team operating at the Division for the Promotion of Regional Economy in the Department of Investments and Development in the Office of the Marshal of the Świętokrzyskie Voivodeship will monitor the implementation of

the Action Plan activities on a continuous basis. Likewise, each region starts implementing its action plan by monitoring its performance, contacting stakeholders and beneficiaries of various activities.

The final document presented at the Dissemination Event promoting the RESINDUSTRY project, which took place on 30th June, 2022, was approved by the project's Stakeholders and participants of the Event – energy sector companies.



Dissemination meeting for the Świętokrzyskie Action Plan, 30 June 2022.

Date: 01.07.2022 r.

Name of the organisation(s): The Marshal Office of the Świętokrzyskie Voivodeship

Signatures of the relevant organisation(s):

MARSZAŁEK
Województwa Świętokrzyskiego
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