



**Interreg  
Europe**



European Union | European Regional Development Fund

# ACTION PLAN

**RESINDUSTRY**

Interreg Europe



agencia extremeña de la energía (c)

## GENERAL INFORMATION

**Project:** RESINDUSTRY

**Partner organisation:** Consortium Extremadura Energy Agency (AGENEX)

**Other partner organisations involved (if relevant):** Regional Ministry for Ecological Transition and Sustainability. DG for Industry, Energy and Mines. Extremadura Regional Government

**Country:** Spain

**NUTS2 region:** Extremadura (ES43)

**Contact person:** Beatriz Rico Sánchez

email address: [brsanchez@gmail.com](mailto:brsanchez@gmail.com)

phone number: +34 924 26 21 61

Additional contact person: Rachel C. Tully ([rctully@agenex.net](mailto:rctully@agenex.net))

This action plan has been design by Consortium Extremadura Energy Agency (AGENEX). The foreseen actions in it will be carried out with the coordination of the DG for Industry, Energy and Mines of *Junta de Extremadura*.

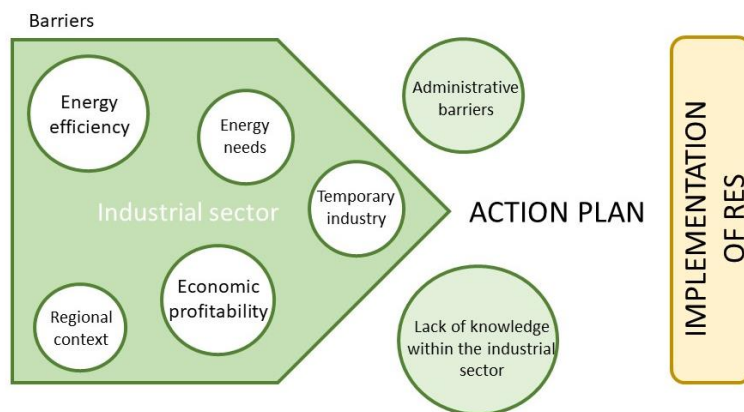
**Action Plan RESINDUSTRY – Consortium Extremadura Energy Agency**

RESINDUSTRY project seeks to increase the industrial sector’s energy independence thanks to the integration of renewable energy sources. As a result of reducing energy costs, this sector will increase its competitiveness.

Due to RESINDUSTRY project, each partner has developed an action plan that forecasts the growth in renewable energy generation and self-consumption due to the encouragement of different technologies such as biogas, biomass, PV and others.

Thanks to the different activities carried out during the project's lifetime, such as the market analysis, the regional self-assessment or the local stakeholder meetings, Extremadura has identified the main barriers that exist in the industrial sector to implement renewable energy. Consequently, this action plan proposes several actions to be developed during the project’s implementation phase, and their main focus will be to boost renewable energy and to spread energy knowledge and awareness throughout the industry.

In order to deploy clean energy within this sector, new technological and administrative mechanisms will be needed to promote the use of renewables. Aside from the uncertainties related to regulations and the lack of standardization of the administrative procedures, we can also mention the problems associated with energy management.



*Image 1. Barriers encountered during PH1*

In Extremadura, the implementation of renewable energy within the sector is mandatory due to an increase in fuel prices and European taxes in order to achieve 2030 emission targets.

In light of all these problems, the goal of Extremadura's action plan is the removal and simplification of administrative barriers that hinder the implementation of RES in the industrial sector.

**POLICY CONTEXT**

- The Action Plan aims to impact:
- Investment for Growth and Jobs programme
  - European Territorial Cooperation programme
  - Other regional development policy instrument

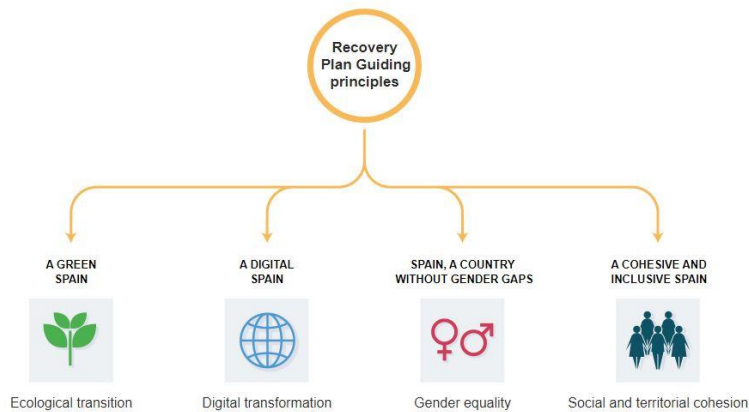
Name of the policy instrument addressed:

- **Recovery, Transformation and Resilience Plan**

The Recovery, Transformation and Resilience Plan is a national plan that defines the roadmap for the modernisation of the Spanish economy, for the recovery of economic growth and job creation; for a robust, inclusive and resilient economic rebuilding after the Covid-19 crisis, and to respond to the challenges of the coming decade.

This policy instrument will entail a significant volume of public and private investment in the coming years. This investment, necessary to relaunch the Spanish economy and accelerate the transformation of the production model towards sustainable and inclusive growth, will be financed by the Next Generation EU, the European Recovery Fund dedicated to this purpose at EU level. Specifically, this Fund will enable Spain to obtain financing of up to 140 billion euros, of which around 72 billion will be disbursed in a non-repayable form and the rest as loans.

The plan has four cross-cutting lines of action:



These four lines are reflected in ten lever policies:



From these ten policies, there are three addressed by RESINDUSTRY: (III) a fair and inclusive energy transition; (IV) a public administration for the 21st century; and (V) industry and SME modernisation and digitalization.

Its objective is to contribute to the agile and efficient management of the funds and to reinforce those projects that clearly contribute to the transformation of the Spanish economy.

**Main stakeholders involved:**

- **Consortium Extremadura Energy Agency**

The Consortium Extremadura Energy Agency (AGENEX) is a public entity, set up by regional and local entities of governmental and training nature, created in 2001 to promote the energy source diversification and the energy efficiency in Extremadura.

Its main mission is to support local and regional policy makers in the definition of strategies and directives allowing to achieve Regional, National and European targets in the field of energy. AGENEX seeks to boost the implementation of green technologies (both Renewable Energy Sources and Energy Efficiency) in the day to day of citizens, by promoting RTD projects, funding sectorial initiatives, supporting project promoters, etc. One important mission of AGENEX is the awareness-raising of general public, customers, users and decision makers of the entire society, in all issues concerning energy change, sustainable energy and climate change mitigation.

Furthermore, AGENEX also cooperates in projects that directly involve the development of renewable energy.

- **Regional Ministry for Ecological Transition and Sustainability. Directorate General for Industry, Energy and Mines. Extremadura Regional Government.**

*Junta de Extremadura* is the institution responsible for organizing the Government of the region of Extremadura, in Spain.

At regional level, the highest-ranking organism in policy making and regional planning in the field of energy improvement is the *DG de Industria, Energía y Minas* (DGE – DG for Industry, Energy and Mines). This entity is developing right now a significant experience in the field of energy efficiency promotion and innovative financing in Renewable Energy Sources.

DGE has direct of competences in industrial promotion, energy generation, energy distribution, industrial management and mines. More precisely:

A) The energy planning, in accordance with the Spanish national energy regime.

B) The promotion of renewable energies.

C) The improvement of energy savings and efficiency both in generation and consumption.

D) The management and control of the security in the industrial, mining and energy sectors.

E) The registration of companies in these sectors, as well as the inspection and sanctioning procedure of such activities.

F) The control of the quality of the electricity supply.

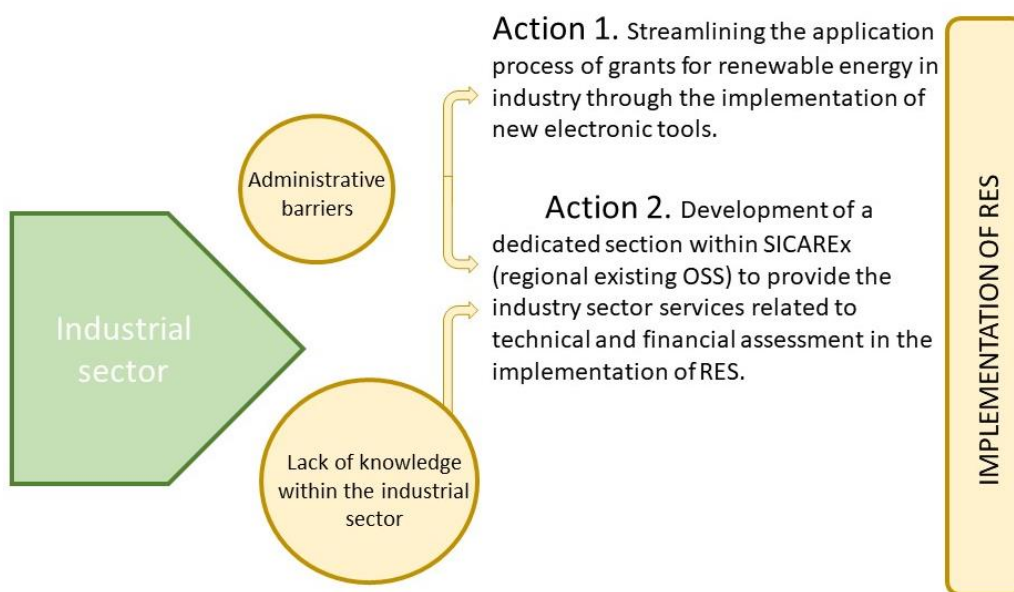
Besides, DGE is now running an internal grant and incentives programme with the aim of fostering and accelerating the integration of energy efficiency in various sectors in the region of Extremadura.

## DETAILS OF THE ACTIONS ENVISAGED

After several interactive actions that embrace the exchange of experience, such as interregional events, local stakeholder meetings and different documents and reports developed under RESINDUSTRY framework, AGENEX has identified a variety of threats and weaknesses that do not allow renewable energy to be wider spread and that hurdle their implementation within the industrial sector.

Therefore, two main actions are addressed in this action plan:

1. Streamlining the application process of grants for renewable energy in industry through the implementation of new electronic tools.
2. Assessment of the financial and technical aspects of the implementation of RES in industry through a dedicated section within SICAREx (the regional existing OSS).



*Image 2. Proposed actions in order to confront barriers encountered.*

According to section 4.3.1 of the Programme Manual, both improving proposals of the policy instrument are envisaged by a type 2 change, as there will be a change in the management of the policy instrument (improved governance) thanks to the new tools generated and implemented.

All these improvements and new approaches have been defined thanks to the cooperation and to the lessons learnt during the exchange of experiences as will be explained in the background section of each action.

**ACTION 1 - Streamlining the application process of grants for renewable energy in industry through the implementation of new electronic tools.**

**BACKGROUND**

Throughout the RESINDUSTRY project, a number of exchange of experiences have been conducted, and AGENEX has gained a better understanding on how other regions are integrating RES into their industrial sector and how the learning can be transferred to Extremadura.

There are three key learnings that have inspired this action:

Firstly, the market analysis study and the regional assessment carried out in Extremadura have identified the region’s strengths and weaknesses, uncovering the sector's needs.

Secondly, one of the conclusions drawn by the local stakeholder meetings held in Extremadura was the complex procedure of previous calls launched to finance investments in renewable energy. The industrial sector identified this as the main cause for which the budget available in previous calls was never consumed.

And third and most importantly, the good practice that offers a solution to the problem identified: CE-HEAT project. This good practice was presented during the second interregional event, held in Austria in March 2020. CE-HEAT project, funded by Interreg Central Europe, has developed a platform ([www.waste-heat.eu](http://www.waste-heat.eu)) with various software tools that allows consolidating the knowledge and know-how regarding waste heat of Central European countries, the 3 participating in the project are Czech Republic, Austria and Poland. This platform includes a toolbox that helps entrepreneurs understand the different technical and administrative aspects for the use of waste heat.

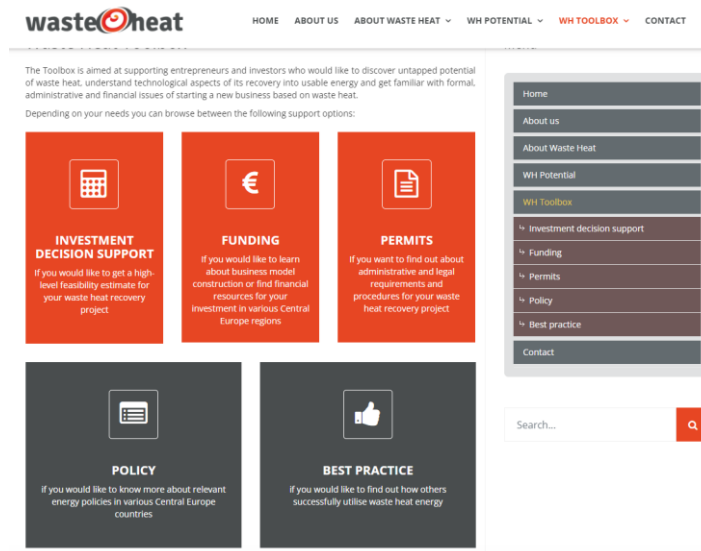


Image 3. Screenshot of the platform and its toolbok.

Given the problems and difficulties encountered by the industrial sector in Extremadura to understand the application procedures available and how they work, CE-HEAT project is the best practice that has inspired



AGENEX to develop a software tool that can simplify the current procedures regarding permits, applications, and funding opportunities.

### **ACTION**

The first action proposed involves developing the software tools necessary to improve the procedure used in previous calls for grants application. The development of these tools will allow to assess and to offer advice to the industrial actors interested in submitting grant applications for integrating renewable energy in their company. These tools will be publicly available to streamline the online application process.

The activities that are planned to achieve a proper action implementation are the following:

#### **1.1. Identification of the potential improvements:**

These improvements are based on the ones developed by other project partners that have a potential for implementation to solve the existing barriers identified in the procedures in Extremadura.

#### **1.2. Definition of a proposal and validation by the Managing Authority:**

Once the possibilities for improving the procedures have been identified, a list of proposals will be defined and presented to the Managing Authority for validation; based on their relevance and feasibility for implementation.

#### **1.3. Development of the software tools:**

The tool that is foreseen to be implemented will contain different sections:

- An electronic tool to assess industrial companies on which is the most suitable line to apply for the several existing ones (based on type of energy, form of beneficiary, etc.)
- An electronic tool to inform applicants on the necessary documents that need to be completed and submitted to support the application.
- An electronic platform for the application process.
- Any other conditions that could facilitate the application procedure.

#### **1.4. Periodic meetings with Regional Government to validate the tool:**

Several meetings are being and will be held with the Managing Authority to reach the validation of the tool and to prepare the needed requirements for its implementation.

#### **1.5. Implementation of the tool to open calls:**

Once the tool is ready and validated, it will be implemented and tested with the current call for grants that was launched in December 2021. This call counts with 6 different funding lines and over 100 pages of documents....

#### **1.6. Monitoring results:**

Once the tool is in place and it has been available for ongoing calls, an important step is to monitor the results to analyse its success and to be able to make changes, if needed, for future calls.

### **PLAYERS INVOLVED**

The main players of this action are AGENEX and the DG for Industry, Energy and Mines.



AGENEX will be responsible for the preparation activities and for the follow-up of the tool development, while the Regional Government will be responsible for the validation and decision-making, as well as for assessing the results of its implementation.

### TIMEFRAME



### COSTS

The costs associated to this action will be staff costs associated to the technical assistance that will be provided by AGENEX during the implementation phase. It is estimated in around 35.000 € (1.2 persons approx. for the entire year).

### FUNDING SOURCES

In the case of the technical support that will be provided by AGENEX, Consortium Extremadura Energy Agency will cover it with its own resources.

The costs associated to the tool development will be covered with own resources from the regional budget supported by the administration's staff.

The funds that will be subject to the management improvement with the tool designed are European Next Generation funds through the budget allocated under the programme Recovery, Transformation and Resilience Plan (PRTR).

**ACTION 2 – Development of a dedicated section within SICAREx (regional existing OSS) to provide the industry sector services related to technical and financial assessment in the implementation of RES.**

**BACKGROUND**

As previously mentioned, during the learning phase of RESINDUSTRY project, there have been many activities taken place that have allowed the exchange of experiences. The most relevant ones and those that have inspired this second action are the following:

- During the 5th Interregional Event, held in Badajoz in September 2021, partners from Gozo shared their experience regarding the One Stop Shop implemented by the Ministry for Gozo. At that time, the DG for Industry, Energy, and Mines of the Regional Government was developing an OSS in Extremadura. The know-how transferred from Gozo and the brainstorming of ideas from other partners at the workshop led AGENEX to propose the creation of a specific line for enterprises within the OSS (initially only foreseen for households).
- CE-HEAT project’s website (already mentioned in Action 1) also inspired this action as n the different sections available depending on the aim of the visit and on the type of beneficiary visiting the website.
- Good practices were reviewed during PH1, but on October 22nd, a workshop aimed to deepen into the most successful ones was held. Our partners from Finland and TREA had exposed different good practices, related to the use of waste, to produce biogas. Currently, Extremadura’s tomato industry has a problem with the high taxes it has to pay regarding CO2 emissions. We would like to highlight the following GP:

TREA partner

- [Biogas production plant based on brewery’s wastewater.](#)
- [Biogas production through anaerobic fermentation of waste water and whey in dairy products factory.](#)

Finnish partner:

- [Utilization of biowaste streams–bio-based industrial symbiosis as RES.](#)
- [Biofuel production from food industry residues.](#)

**ACTION**

The goal of this action is the implementation of a new assessment line within [SICAREx](#) (the existing OSS in Extremadura for energy projects) for enterprises. This improvement will allow companies to be advised regarding either from a technical or financial point of view. Seeking to promote the introduction of more renewables within the industrial sector.

**Activities:**

**2.1. Launch of the One Stop Shop.**

In January 2022, this OSS was launched in order to advise regarding grants and funds recently launched thanks to Next Generation funds. The D.G. industry Energy and Mines and AGENEX, as the main energy advisor, are responsible for the OSS.

**2.2. Development of a specific assessment section in SICAREx (existing OSS) for the technical and financial support for the implementation of RES in the industry sector.**

The assessment within this line would be split in two types:

- Financial advice: it will help companies to seek the best and more cost-efficient way to invest in RES
- Technical advice: the industrial sector has a wide variety of companies, resulting in different energy needs. This advice will focus on assessing the thermal and electric consumption of the companies and proposing the best solution regarding renewable technology and installed power.

AGENEX will support the Regional Government in its implementation.

**2.3. Pre-feasibility study: RES opportunities for industry in Extremadura Region.**

AGENEX will offer a Pre-feasibility study, tailored to each industry, where needs and strengths will be studied, in order to offer the most suitable solution to meet the energy needs of the industry. This service will be available on the SICAREx (OSS) website and will be attended by AGENEX staff.

**2.4. Interactive waste map**

Thanks to RESINDUSTRY project, a map of industrial waste will be developed and available within the SICAREx platform. This tool will allow synergies to be created between different sectors promoting the implementation of a joint, more efficient, solution.

This map will promote the use of waste to have more known-how about where and how is the potential for the implementation of different renewable energy within the industrial sector.

**2.5. Monitoring**

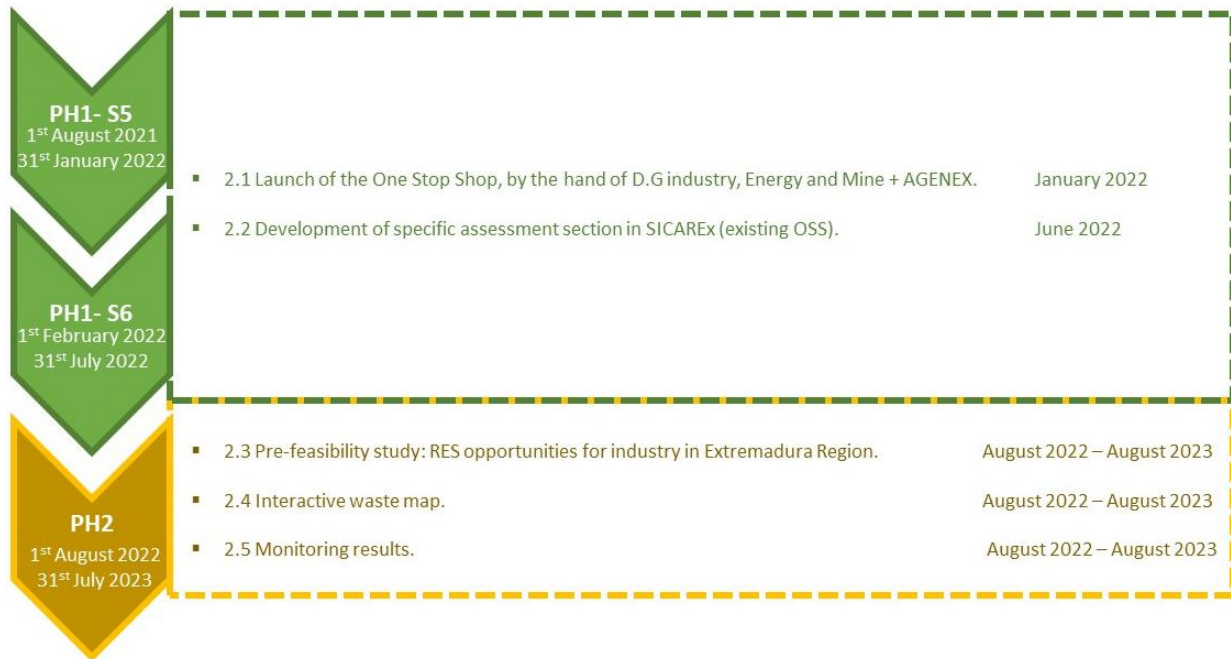
AGENEX will be responsible for monitoring and analysing the implementation of RES within the industrial sector, once the specific line for industries has been implemented.

**PLAYERS INVOLVED**

The main players involved in this action are AGENEX and the Regional Government, through its DG for Industry, Energy and Mines.

Other key players will be the local public administrations and civil society organizations.

## TIMEFRAME



## COSTS

The costs associated to this action will be staff costs associated to the technical assistance that will be provided by AGENEX during the implementation phase. It is estimated in around 35.000 € (1.2 persons approx. for the entire year).

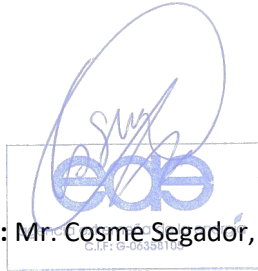
## FUNDING SOURCES

In the case of the technical support that will be provided by AGENEX, Consortium Extremadura Energy Agency will cover it with its own resources.

The costs associated to the tool development will be covered with own resources from the regional budget supported by the administration's staff.

The funds that will be subject to the management improvement with the tool designed are European Next Generation funds through the budget allocated under the programme Recovery, Transformation and Resilience Plan (PRTR).

The partner responsible for drafting the RESINDUSTRY regional action plan for Extremadura Region.



**Signature:** Mr. Cosme Segador, Director.

Director of AGENEX- Consortium Extremadura Energy Agency.

**Date:**

Managing Authority of the Recovery, Transformation and Resilience Plan, acknowledging and validating the current action plan.

**Signature:** Mr. Samuel Ruiz Fernández, Director.

Directorate General for industry, Energy and Mines – Regional Government of Extremadura.

**Date:**