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Our purpose



The general purpose of Extremadura Energy Agency Consortium (AGENEX) is to support the regional and local authorities of Extremadura in the design and implementation of relevant energy policies, assuming its delegated powers and carrying out the services assigned to AGENEX.

The Agency also provides information and consultancy services to the public administration on the management, development, and monitoring of energy projects.

The activities in which AGENEX focuses are the following:

- ✓ Providing a stable structure to support the energy planning and development in the region. It also offers advice on this matter to the public sector of Extremadura.
- ✓ Facilitating energy management and energy planning at regional level.
- \checkmark Protecting the environment by reducing carbon emissions and other polluting elements.
- ✓ Promoting regional energy self-sufficiency and energy efficiency.
- ✓ Creating jobs in the energy sector through training and other capacity building actions.
- ✓ Managing and implementing energy projects in the framework of regional, national, and European programs.
- ✓ Promoting the dialogue and joint collaboration among institutions, associations and other entities participating in



the energy sector in the region; acting as a meeting and exchange forum for private and public energy stakeholders in Extremadura.

- ✓ Awareness-raising actions among citizens, municipalities, associations, and other institutions and groups; focusing on promoting a rational and sustainable energy management.
- ✓ Participating in energy research projects, together with relevant research entities and technology hubs, always seeking to improve R&D&i in the regional private sector.
- ✓ Channeling and disseminating all information related to the energy sector coming from the local and regional authorities that are part of AGENEX' consortium.
- ✓ Participating in international and EU energy forums and networks.
- ✓ Advising public authorities in Extremadura in the purchase of energy goods and services.
- ✓ Exchanging experiences and information with other public administrations with powers in energy matters.
- ✓ Developing information and awareness-raising actions for the general public, especially energy consumers in terms of energy saving and diversification. AGENEX will also be responsible for managing an Information and Advice Office on energy efficiency and building rehabilitation, renewable energies, and sustainable mobility.
- ✓ Organizing and implementing training actions on energy saving, efficiency, and the use of renewable energies.



Our region: Extremadura



Extremadura has an area of 41,634 km2.

The orography is characterized by mountainous areas separated by wide peneplains cut by fluvial cuts and fertile plains.

Extremadura began 2022 with a population of 1.051.738 inhabitants and with a density that did not reach 26 inhabitants per km^2 .

The region is highly committed to the transition towards a greener economy and it is one of the country's leading regions in renewable energy generation, with a diverse energy mix that includes hydropower, solar PV plants, solar thermoelectric plants, a wind farm, and biomass power plants.

The renewable power installed in the region has doubled in the last four years, reaching a renewable energy generation that doubles the region's electric energy consumption.



The "Merengue" wind farm in Extremadura. Source: ${\bf NATURGY}$

One third of the installed PV power in Spain is now located in Extremadura. Throughout 2022, 23 new plants with a total of 1.300 MW were deployed and commissioned in the region (14 in the province of Badajoz and 9 in the province of Cáceres), overpassing 5.000 MW of PV in the entire region, among which are the two largest PV plants in Europe, with 590 and 500, respectively.



The region also counts with the first floating PV plants and a land compatibility plan. The regional policies to boost electric self-consumption have resulted in more that 9.000 installations of this kind in 2022, this is 50 times more that the number of PV installations for self-consumption existing in 2018.



PV plant in the building of the regional ministry of ecologic transition of Extremadura.

These are some of the measures put in place through the Regional Integrated Energy and Climate Plan (PEIEC 2030) to achieve a just and clean energy transition in Extremadura.

The main objectives set in this plan are:

- 40,6% of renewable contribution to the primary energy: 10.000 new MW of renewable power installed and 800 MW of storage and hydrogen.
- Energy efficiency improvements to reduce in 22% the primary energy consumption.
- 30.000 electric vehicles for a more sustainable mobility.
- 24.000 households undercoming energy renovations.



H2020 & Horizon Europe



H2020 & Horizon Europe: Ongoing projects in June 2023





CSP ERANET

DATES: From 01-06-19 to 31-05-24.

LEADER / PARTNER / OTHER: Leader

BUDGET: 13.827.426 €

WEB: https://cordis.europa.eu/project/id/838311

PROJECT DESCRIPTION:

CSP ERANET is the result of a joint EU will for bridging the gap between research and commercial deployment in the Concentrated Solar Power (CSP) technology, so this technology can play a main role in the European renewable electricity generation in a medium term.

In recent years, the development of solar thermal technology has slowed down in Europe (there has been no new capacity installed since 2013) and its former world leadership in CSP has been recently threatened by the expansion of this technology outside our borders. In order not to lose competitiveness, the main European countries, and regions with roles to play in the future of CSP deployment (industrial or academic stakeholders) have committed their resources to create big-scale funding synergies able to finance strategic CSP research.

CSP ERANET is aligned with the implementation of the SET Plan, which has established the following objectives for the development of solar thermal technology:

To reduce the cost of investments by 40% in the short term. To develop a new generation of CSP technology through new cycles, with the aim of further reducing the cost and obtaining new business.





RIPEET

DATES: From 01-02-21 to 31-01-24

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.999.831,25 €

WEB: https://cordis.europa.eu/project/id/101006295

PROJECT DESCRIPTION:

RIPEET's main objective is to develop a methodology to co-create itineraries for energy transition led by European regions and their innovation ecosystems. Thus, the project will bring together key players from three territories: Extremadura (ES), the Highlands and Islands of Scotland (UK) and Ostrobothnia (FI); and participatory tools will be developed to promote a sustainable energy future. To achieve the goals of the project, companies, and entrepreneurs from the R+D+I sector, public entities and civil society organizations will work together and generate personalized paths for the energy transition.

The project is organized in 3 phases:

- 1. Mapping definition of strategies,
- 2. Itineraries and pilots in the selected regions, and
- 3. Sustainability and exploitation of the results so that they can be replicated in other "mirror" regions.



H2020 & Horizon Europe: Finished projects in June 2023





AUNA

DATES: From 01-10-20 to 30-09-22

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.030.575 €

WEB: https://cordis.europa.eu/project/id/957119

PROJECT DESCRIPTION:

The overall objective of the EU-funded AUNA project was to upscale building renovation by tackling one of its key barriers: access to adequate and affordable financing. To achieve the objective of total decarbonization of building stock in 2050, varied financing models suitable for each situation and with favorable conditions are needed.

AUNA intended to set a permanent multilateral forum to promote a common understanding of energy efficiency financing for buildings renovation among stakeholders related to the financial world, building sector, policy makers and homeowners. AUNA extended the reach of the Sustainable Energy Investment Forums in Spain; apply the Smart Finance for Smart Buildings initiative; and contribute to achieving the objectives of the NECP and the Spanish LTRS.





HOUSEENVEST

DATES: From 01-03-18 to 31-05-22

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.798.733,75 €

WEB: https://cordis.europa.eu/project/id/784986

PROJECT DESCRIPTION:

HouseEnvest aimed to demonstrate the viability of the financing scheme, defined for the full energy renovation of multifamily houses in Extremadura, which counted on a combination of innovative tools for standardization, pooling, bundling and de-risking.

HouseEnvest is the result of 2 years of work between key institutions of Extremadura region from the energy, economic and building sectors, combined with international resources coming from IEB and EU cooperation programmes, which have allowed designing one financing scheme tailored to Extremadura's building renovation necessities.

HousEEnvest resulted in Energy renovation of multifamily building, and introduced EU added value through the combination of several proved innovations, which are applied and customized for the multifamily buildings with central heating. The project developed an Innovative financing scheme, implementing a Guarantees Fund created with public ESIF, moving from non-reimbursable grants into FI, and it is leveraged with EFSI and private contribution.

HouseEnvest aims to be a showcase in the unlocking of investment through pooling, when supported by a proper Fund scheme, which can be applied and replicated in other geographies and even other sectors.





EUROPACE

DATES: From 01-03-18 to 31-08-21

LEADER / PARTNER / OTHER: Partner

BUDGET: 2.375.490 €

WEB: https://cordis.europa.eu/project/id/785057

PROJECT DESCRIPTION:

EuroPACE, a three-year project that kicked off in February 2018, has developed a scalable on-tax financing mechanism to unlock the massive potential for deployment of energy-saving and energy generation technologies. Inspired by US PACE, a successful project developed in California in 2008, EuroPACE addressed fundamental challenges to energy efficiency investment:

With a market-based approach—EuroPACE has deployed private capital as upfront financing to homeowners, effectively reducing the reliance on grants and subsidies.

With technical assistance—homeowner decision-making has been optimized by training service contractors who are held accountable by a comprehensive consumer protection code.

With aggregation and standardization—standard underwriting requirements and project performance guidelines have enabled project aggregation and the ability to issue "green bonds."





INNOVATE

DATES: From 01-06-17 to 31-10-20

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.999.853,75 €

WEB: https://cordis.europa.eu/project/id/754112

PROJECT DESCRIPTION:

INNOVATE main objective was to overcome market barriers to deep energy-efficient retrofits of private housing stock by developing and rolling out integrated energy efficiency service packages targeting homeowners in 11 target territories from 10 EU Member States (NL, DK, BE, LV, CZ, CY, SE, IT, ES and UK).

An integrated EE service package includes:

- Development of products adapted to consumers' concerns
- Marketing & communication
- Independent advice and technical assistance.
- Tailor-made financial advice
- Coordination of a chain of suppliers / contractors
- Ensuring high quality standards
- Long-term and affordable financing

The packages were developed by local and regional authorities and/or private sector stakeholders, in cooperation with financing institutions and investors, were tested on 117 pilot buildings, aiming at min. 50% energy savings.

INNOVATE widely disseminated successful business models and innovative financing schemes tested by the partners and also those identified thanks to an extensive analysis of enabling conditions and EU best practices.





eTEACHER

DATES: From 01-10-17 to 30-09-20

LEADER / PARTNER / OTHER: Partner

BUDGET: 2.394.862,50 €

WEB: https://cordis.europa.eu/project/id/768738

PROJECT DESCRIPTION:

eTEACHER encouraged and enabled energy behavior change of building users by means of continuous interventions displayed through a set of empower tools to drive informed decisions in order to save energy and optimize indoor environment quality. These empower tools are a set of ICT solutions that ensures friendly connection in between end-users and building systems, implement continuous behavioral change interventions and provide tailored advice.

The BACS add-ons (What-if-Analysis, data processing and universal BACS/monitoring system interface) are responsible for collecting information from the building, pre-processing data to focus on relevant metrics, exploring potential energy conservation measures and post-processing data to present it in a way that can have more impact on users' behavior.

The user-friendly solutions are energy efficiency and comfort advisor apps for end-users' devices. These apps show the ECMs identified by BACS-addons and integrates ICT-based behavioral change techniques such as gamification according to different roles (visitors, facility managers, owner, etc.).

The project was demonstrated in 12 real buildings located h 3 different climate conditions.





ENERINVEST

DATES: From 01-02-16 to 31-03-19

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.926.958,75 €

WEB: https://cordis.europa.eu/project/id/695822

PROJECT DESCRIPTION:

The EU has articulated numerous mechanisms to encourage the mobilization of investment in terms of sustainable energy.

However, there is a set of barriers that hinders a greater development:

- trust in financial viability
- public and private capabilities
- successful cases serving as reference.

ENERINVEST addressed those issues by creating a consulting platform which will provide financial, technical, and legal solutions to sustainable energy, facilitating the dialogue among the different stakeholders involved.

This work was translated in:

- Gathering and organizing all current information, regulation, and existing financial models in Spain.
- Identifying and promoting successful cases of innovative financial models.
- Creating an e-platform with an assessment and meeting tool for preliminary market assessments.
- Establishing working groups with stakeholders to join forces for the promotion of financial mechanisms for the execution of sustainable energy projects.
- Developing communication activities of the platform to foster its visibility and disseminating the results.



LIFE + PROGRAM



LIFE+ PROGRAM:

Finished projects in June 2023





LIFE iCIRBUS

DATES: From 16-07-15 to 16-12-20

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.366.283,00 €

WEB: https://icirbus.eu/

PROJECT DESCRIPTION:

The main objective of the iCirBus-4Industries project was to help solve the management problems of waste from Biomass Plants (Fly Ash) and Water Treatment Plants (Sewage Sludge), with a significant impact on the environment.

The project explored the possibilities of using fly ash from biomass plants as an adsorbent agent for heavy metals and other dangerous organic compounds contained in the sludge from local wastewater treatment plants, to use them later as low-impact fertilizers. In a second stage, the fly ash used as an adsorbent was used and valued as recyclable construction materials.

The project aimed at putting the concept of circular economy into practice through actions focused on the re-use of waste from the regional biomass energy and water treatment industries, to transform them into new ecological products validated for the construction materials and fertilizer industries.





EDEA-RENOV

DATES: From 01-01-11 to 31-12-14

LEADER / PARTNER / OTHER: Partner

BUDGET: 3.594.722 €

WEB: https://bit.ly/44hPWad

PROJECT DESCRIPTION:

The purpose of the EDEA-RENOV project was to test and propose concrete solutions for reducing the environmental impact of the housing construction sector. The project would focus on three main areas: renovation; innovation in new constructions; and the use of information and communication technology. Specific objectives were to:

- Improve the quality of buildings, an important way of achieving long-term solutions to the problems of high energy bills and a better quality of life.
- Incorporate information and communication technologies to improve the environmental performance of buildings.
- Create a methodology for calculating the optimal cost of energy performance requirements for buildings.
- Incorporate energy management systems through the use of ICT; and
- Incorporate elements of water savings (which indirectly contribute to energy savings as well).

The project's geographical scope was the region of Extremadura, southwest Spain. Although the main testing would be related to the specific climate of the region, the project would develop a knowledge base and IT tools that are relevant for any type of climate, and thus make the results easily transferable to other regions and contexts.





EDEA

DATES: From 01-01-09 to 30-04-12

LEADER / PARTNER / OTHER: Partner

BUDGET: 2.384.647,00 €

WEB: http://www.proyectoedea.com/es/ (not online anymore)

PROJECT DESCRIPTION:

The main objective of EDEA is to develop a design and construction methodology for social houses of the region of Extremadura according to sustainable criteria, a better energy behavior and use of new renewable energies, besides ensuring an improvement of building quality.

The specific objectives of the project include:

- Creating a sustainable building complex during its useful life cycle (low or non-existent CO_2 emissions and minimum consumption of water and natural resources).
- Reducing, in the medium term, the dependence on external energy resources.
- Providing knowledge and innovation for new and improved materials, systems and construction processes meeting positive energy efficiency.
- Promoting a more cost-effective way of building for the end user
- Providing knowledge about innovative energy technologies based on renewable resources (passive solar energy, solar thermal energy, photovoltaic energy, and biomass).
- Contributing to competitivity in the energy field by developing new innovative products.
- Fostering the construction sector competitiveness through their leadership in the innovative technologies developed and tested in the project.



ERASMUS + / LIFELONG LEARNING PROGRAMME (Leonardo)



ERASMUS + / LLP (Leonardo): Finished projects in June 2023





SOLAR CV (ERASMUS +)

DATES: From 01-11-15 to 31-10-18

LEADER / PARTNER / OTHER: Leader

BUDGET: 796.769 €

WEB: http://www.solarcv.eu (not online anymore)

PROJECT DESCRIPTION:

Spain is the first European country in installed CSP power, with a fully developed labor market, while Italy and Greece, required trained solar-field operators and they had neither formal nor informal training. A SSA was established among the key representatives of the CSP sector in each country, in order to cover the labor market needs. The alliance included energy VET experts, sectorial associations, agencies, and Government representatives.

SolarCV objectives were:

- 1- To increase the response of VET systems by anticipating the CSP labor demand.
- 2- To integrate work-based learning (WBL) in the design of CSP VET.
- 3- To increase mobility of EU CSP learners.

The main project results were:

- 1- The definition of EU CSP CV for solar-field operators
- 2- The creation of an ICT e-learning platform (e-simulator) for formal training.
- 3- The delivery of a methodology for recognition of learning outcomes.
- 4- The creation of a National Qualification for CSP Plant Operator.
- 5- The creation of an EU recognition for CSP Plant Operators.





AGROSKILL (ERASMUS +)

DATES: From 0101-10-13 to 30-09-15

LEADER / PARTNER / OTHER: Leader

BUDGET: 272.722,50 €

WEB: http://www.agroskill.eu/ (not online anymore)

PROJECT DESCRIPTION:

Agroskill focuses on agriculture and tries to transfer innovative training methods to share the result and take up the best practices in the field of non-formal and informal education.

The aim is to agree on a common set of rules at European level. Agroskill consists of a consortium of 9 partners from 8 EU nations: Austria, Croatia, France, Hungary, Poland, Spain, and Germany with extensive experience in training and sustainability in the agriculture (especially organic agriculture).

Some of the planned activities of this project are:

- Transfer of best practices in sustainable agriculture and skills
- Evaluation to develop a pilot course to be carried out with more than 35 VET experts and teachers.
- Creation of a European network of experts consisting of 65 training and 100 vocational training centers in order to disseminate the training programs created by the partners.





BIOMASS EUVET (LLP - Leonardo)

DATES: From 01-11-11 to 01-11-13

LEADER / PARTNER / OTHER: Partner

BUDGET: 270.198 €

WEB: http://euvet-project.eu/ (not online anymore)

PROJECT DESCRIPTION:

Main project objectives were:

- To develop a VET structure for the biomass sector based on the experiences of a similar one developed in a Leonardo project for the solar energy sector - which allows to establish a qualification system for the future, in accordance with the needs of the market.
- To transfer methods, developed in a previous Leonardo Projects (SOLTEC), for the identification of needed skills, participation of employers and usage of common European tools (e. g. definition of knowledge, skills, competences, and description of learning outcomes) to promote transparency and recognition of competences.
- To support the implementation of the "New Skills for New Jobs" strategy by improving the competences and skills of the biomass sector as part of the new "green job" market.
- To boost the development of the European biomass sector, in countries with high biomass resources potential, by improving the necessary competences and skills of the workers.
- To facilitate job creation and rural development in isolated areas with an important bio-energy potential and exploitable rural resources

In general, project aimed to make VET more responsive to labor market needs, which align properly with the priority 3.2.1 of the Leonardo program: "Encouragement of cooperation between VET and the world of work".







EIB - ELENA Investment Programme: Ongoing projects in June 2023





RENOWABE

DATES: From 01-04-22 to 31-

03-25

LEADER / PARTNER / OTHER: Other (TA to the leader)

BUDGET: 1.430.000 €

PROJECT DESCRIPTION:

This EIB-supported investment program aims to invest in energy efficiency and renewable energy measures integrated into public buildings in a total of 225 non-residential buildings owned by the Extremadura regional government. An average 30% of energy savings are expected and Renewable Energy sources will contribute for at least 25% of final energy use.

The project will mobilize a total of EUR 39 million energy investments (27.5 million EUR for energy efficiency and 11.5 million EUR for Renewable Energy Sources).

ACTIONS.

The renovation/rehabilitation of the Extremadura regional government buildings will encompass the following actions:

- 1. Building envelope insulation.
- 2. Window renovation and improvement and updating of building glazing, HVAC systems and ventilation.
- 3. Hot sanitary water.
- 4. Interior lighting systems.
- 5. HVAC systems.
- 6. Energy management systems.
- 7. Renewable energy solutions (mainly photovoltaic plants and, if possible, solar thermal panels and biomass boilers).



EIB - ELENA Investment Programme: Finished projects in June 2023





GREENER-EX

DATES: From 01-01-15 to 31-12-18

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.263.692 €

WEB: https://bit.ly/3pj00UJ

PROJECT DESCRIPTION:

The project development services supported a large investment programme to improve the energy efficiency in street lighting and public buildings, as well as electrical transport in Extremadura n. The technical assistance has also been provided to support the development of building integrated renewable projects, namely biomass boilers and photovoltaic systems. Some of the street lighting projects have been implemented through energy performance contracts (EPC's).

A total of 62 investment projects have been implemented by 44 different entities located in Extremadura. These entities will benefit from lower energy costs and new or renovated installations. AGENEX assisted regional and local authorities located in Extremadura Region in the implementation of energy efficiency, renewables, and mobility related investments, by acting as an aggregator. The assistance provided included the development of energy audits and other preliminary technical studies which have been developed to support the decision-making process of the Public Authorities to move on with those investments.

As the initial approach included several investments to be developed based on EPC's, significant efforts were made to explain that model to the Public Authorities (which for most of them were not familiar with this contractual regime). Assistance has also been provided during the development of the tender documents and during the tender phase.



Interreg Europe



Interreg Europe: Ongoing projects in June 2023





MonitorEE

DATES: From 01-03-23 to 28-02-27

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.403.677,00€

WEB: Still not available in June 2023

PROJECT DESCRIPTION:

The main objective of the project is to improve the policies addressing energy efficiency and energy performance in buildings, through 3 general processes:

- Analysis of energy consumption and energy patterns in target buildings.
- Simulate the theoretical demand after implementing the proposed energy improvements, comparing different measures.
- Monitor energy consumption and GHG emissions after modification/rehabilitation.

MonitorEE will follow an integrated approach, implementing quality training activities that ensure different levels of learning. The approach is divided into 3 steps, where learning and exchange of experiences among them will be ensured:

- Analysis of the partners State-of-the-Art and identification of valuable experiences.
- Implementation of concrete activities allowing to further explore those experiences.
- Good practices are finally transferred to a regional policy instrument.

Thanks to the project's roadmap, governments and public administrations will have a deeper understanding of all the processes needed for EE measures in buildings. They will also be able to count with a monitoring tool allowing them to check the performance of the different investments.





ShareRES

DATES: From 01-03-23 to 28-02-27

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.407.400 €

WEB: Still not available in June 2023

PROJECT DESCRIPTION:

The overall objective of ShareRES is to improve the policies that enable an active participation of citizen energy communities in the energy market, leading to a more decarbonized and flexible energy system. This main objective will be achieved by:

- Addressing the barriers and difficulties for community development.
- Engaging the right stakeholders, including public authorities.
- Transferring the knowledge and experience from advanced regions to those with a lower deployment of energy communities.
- Creating tools and solutions based on the experience gathered.
- Reaching social inclusion, reducing energy poverty, and promoting local economic development in the involved areas.

All of this will be done in the framework of territorial cooperation among partner regions and by the sharing of good practices.

ShareRES will follow a simple integrated approach based on common training activities, such as workshops, thematic conferences, and study visits, including some other more sophisticated tools such as joint analyses; all of them linked to create and improve related policy improvements:

- Analysis of regional situation and identification of existing value
- Interregional experiences based on exchange activities.





AgroRES

DATES: From 01-08-19 to 31-07-23

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.540.286 €

WEB: https://projects2014-2020.interregeurope.eu/agrores/

PROJECT DESCRIPTION:

AgroRES wants to create awareness about the benefits of RE, such as gaining independence from external energy supplies or contributing to more sustainable energy production.

In addition, the barriers and challenges that still haunt the adoption of RE were also identified. AgroRES will design policies that support the integration of RE technologies, suiting each agricultural and rural area.

This objective will be achieved by:

- Promoting a smart and resilient agricultural sector.
- Intensifying measures to care for the environment and climate action to meet the EU's objectives.
- Strengthening the socioeconomic fabric in rural areas.

Some other sub-objectives are:

- Increasing the capacity and knowledge of project target groups, especially stakeholders and policy makers.
- Raising general awareness and promote public dialogue to overcome previously identified barriers and challenges.
- Providing and exchange a series of good practices and experiences in the field that could be replicated in other regions.
- Generating Action Plans that address some or all the challenges encountered in agricultural and rural areas.





Resindustry

DATES: From 01-08-19 to 31-07-23

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.623.554 €

WEB: https://projects2014-2020.interregeurope.eu/resindustry/

PROJECT DESCRIPTION:

RESINDUSTRY aimed at increasing the energy independency of the EU industry sector, by decreasing its energy intensity through a higher integration of RES. The long-term objective is to increase the industry competitiveness by decreasing its energy bill, rising their energy independency, thus uncoupling their energy costs from geopolitical externalities.

To achieve these long-term strategic objectives, the short-term objective is to boost RES investments in industry by improving OPs with new policies for RES promotion.

- Providing government authorities with the keys to promote and provide RES within the regional industry.
- Analyzing existing policies so that existing authorities can implement them.
- Providing information on the socioeconomic benefits that RES can provide to the industrial sector.



Interreg Europe: Finished projects in June 2023





DECARB

DATES: From 01-06-18 to 31-05-23

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.807.739 €

WEB: https://projects2014-2020.interregeurope.eu/decarb/

PROJECT DESCRIPTION:

DeCarb brings together 9 partners to exchange experiences and transfer knowledge on how to transition from the carbon-intensive era towards the clean energy future. It will support regions to secure sustainable development, economic and societal stability, and a role in the 2030 energy mix.

The low-carbon energy shift of EU economies will have a profound economic and social impact on regions extensively involved in coal value chains. It is however acknowledged that this transition needs to be fair; EC's "Clean Energy for All Europeans" package was set in place to speed the clean energy transition and growth and jobs creation. To this end, DeCarb will support public authorities to initiate efforts, join forces and exchange experiences to:

identify growth strategies to mitigate the impact of decarbonization make the most of EU funds and financing tools and promote public dialogue on conflicting interests.





FIRESPOL

DATES: From 01-06-18 to 31-05-22

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.188.353 €

WEB: https://projects2014-2020.interregeurope.eu/firespol/

PROJECT DESCRIPTION:

Most EU member states and regions have introduced measures to boost RES generation and storage in their RIS3 regional strategy, national energy strategic plans, and respective regional programmes for Investment for Growth and Jobs, but most EU member states are below their expected RES targets for 2020.

RES are not growing as expected, and states are not seeking new solutions such as energy storage or innovative financial schemes.

The RES sector is requiring new support schemes that can unleash the great potential of private investment by overcoming the financial, legal, and administrative barriers to decentralized investment in both RES generation and storage.





SOCIAL GREEN

DATES: From 01-04-16 to 31-03-21

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.191.397 €

WEB: https://projects2014-2020.interregeurope.eu/socialgreen/

PROJECT DESCRIPTION:

Social Green is oriented to jointly tackling the topic of housing deprivation and energy efficiency in the scope of social housing sector towards a lower carbon economy. In this context the overall objective of the project is to improve regional policy instruments targeting the link between social housing sector and fuel poverty with green building interventions considering policy, institutional, financial, and technical levels.

Through interregional cooperation, regions identified, shared, and transferred innovative methodologies, processes, and good practices in developing and implementing greener social housing sector policies, targeting new constructions, or retrofitting existing buildings.

For doing so, study visits, good practices workshop, local stakeholders' meetings, among other dissemination events were be organized.

Within this interregional learning process (phase 1 - 5 semesters) the regions involved in the project developed important outputs, namely: self-assessment reports, good practices guides and regional action plans.

Following the phase 1, it started a period with the duration of four semesters - phase 2, focused on monitoring the implementation of the action plans developed previously and a results report was produced to summarize its achievements.





ENERSELVES

DATES: From 02-01-17 to 31-12-20

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.422.204 €

WEB: https://projects2014-2020.interregeurope.eu/enerselves/

PROJECT DESCRIPTION:

ENERSELVES project, Policy instruments for energy self-consumption in buildings, was led by AGENEX, Extremadura Energy Agency, with the following aims:

- Promoting new policies or improve existing policies to support the integration of renewable energy into buildings for selfconsumption financed by the Structural Funds and other EC instruments.
- Designing policies to promote only those renewable energies for self- consumption technologies with greater benefits in each region.
- Defining clear KPI (Key Performance Indicators) to identify the best investment by value.
- Transmitting how European policies have an impact on society.
- Supporting the integration of RES in buildings

ENERSELVES focused on the integration of RES for self-consumption, but not every RES is cost-effective for every region, so it needs an in-depth analysis and a definition of clear KPIs to identify the best value-for-money investment.

Due to the necessity of optimizing the limited SFs, only by focusing on the RES that provide a higher impact on the Growth and Jobs, the regions will be investing their funds in a proper manner.

ENERSELVES focused on designing policies to promote only those RES for self-consumption technologies with higher benefits in each region.





FINERPOL

DATES: From 01-04-16 to 30-09-20

LEADER / PARTNER / OTHER: Leader

BUDGET: 1,937,891 €

WEB: https://projects2014-2020.interregeurope.eu/finerpol/

PROJECT DESCRIPTION:

Financial Instrument schemes with EU participation are created to provide finance on a complementary basis from the Union budget to address policy objectives of the Union. These objectives are often achieved with risky investments that require public participation to de-risk financing.

This EU financial support will be combined with finance coming from the private sector and other public financial sources in order to promote investments in the area of building energy retrofitting.

FINERPOL aims to increase the renovation rate of buildings by improving access to finance and so enabling those upfront investments to be made.

Increasing investment in energy efficiency and renewable energy for buildings is a major challenge, requiring substantial up-front investments (estimated at \leqslant 38 billion during 2011-30).

The European Union provides support for the creation of funding instruments, especially Financial Instruments (FIs) supported by ERDF funds and integrated with EC funding initiatives, such as EFSI (Juncker Plan 06/2015), tools from the European Investment Bank EIB (ELENA, Margarite Funds) or from public and private partnerships.





CISMOB

DATES: From 01-04-16 to 31-03-20

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.324.748,00 €

WEB: https://projects2014-2020.interregeurope.eu/cismob/

PROJECT DESCRIPTION:

CISMOB main vision was to promote innovative ways to reduce carbon footprint and increase the sustainability of urban areas by improving the efficiency in the use of urban transport infrastructure through ICT.

In a context of increasing availability of sensor technology to monitor and record large amounts of data, a common challenge for policy makers is to identify the best practices to take advantage of these new sources of data and use them to prioritize intervention areas, to manage efficiently current road networks, to inform citizens and motivate them to choose more sustainable mobility options.

CISMOB focused on improving the implementation of regional policies and local mobility programmers by having a thorough understanding about the different transport-related impacts and the main vulnerabilities associated to different zones of the territory. CISMOB partners considered that policy and local mobility programs should not be focused in minimizing a particular parameter (ex. Levels of congestion), but rather to promote holistic approaches capable of responding to the questions: what (to minimize)? Why? When? Where? And how?





RE-GREEN

DATES: From 01-01-12 to 31-12-14

LEADER / PARTNER / OTHER: Partner

BUDGET: 1.425 449,00 €

WEB: https://keep.eu/projects/5372/REgional-policies-towards-GR-EN/

PROJECT DESCRIPTION:

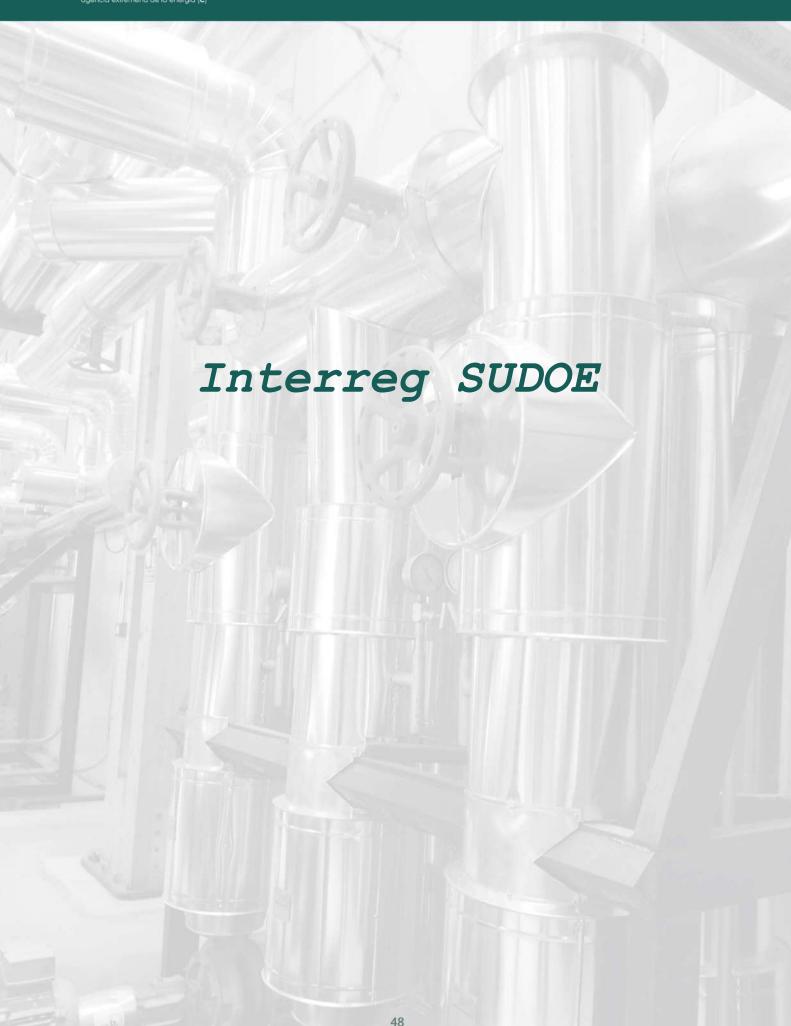
This project investigated the potential for, and policies of, green building through the cooperation institutions of applied research and key regional stakeholders.

The building sector is not only one of the main contributors to the global greenhouse gas emissions (GHG), but it also has the greatest energy saving potential. In this framework, the aim of the RE-GREEN project was to help regions in improving, developing, and implementing green building policies oriented to the enhancement of energy efficiency and the use of renewable energies as a means of contributing to the development of green regions. By promoting innovative policy solutions for green buildings, namely green public procurement, the project intends to support regions in renovate and retrofit public but also private buildings. This goal considers local and regional public authorities as key players in the process of moving to a greener economy.

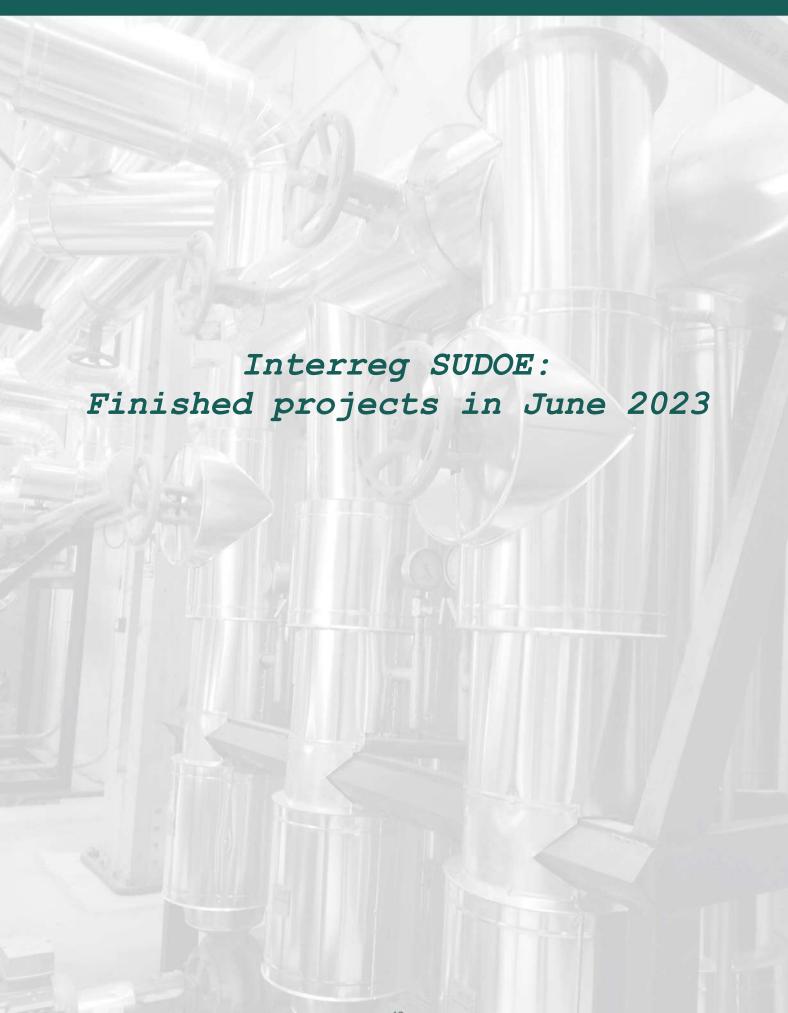
The main actions of the initiative include the exchange of experiences oriented to the identification and transfer of good practices and the development of new policy tools.

Regional implementation plans will be carried out by local/regional public authorities with the support of local/regional self-assessment reports and good practices guides as well as local/regional stakeholder seminars.













PROMOBIOMASSE

DATES: From 01-03-18 to 28-02-21

LEADER / PARTNER / OTHER.: Partner

BUDGET: 1.437.000,00 €

WEB: https://promobiomasse.eu/

PROJECT DESCRIPTION:

PROMOBIOMASSE was a transnational cooperation project that aimed to promote the forest biomass energy market in the SUDOE territory, by developing a supply and demand management model that applies the "short circuit" concept to resolve the current problems: fragmentation of supply; forest ownership divided into small holdings; inefficient exploitation methods; unknown and insufficient demand. The main contributions were:

- A local-level vertically integrated forest biomass management model.
- Training courses for biomass market managers the SUDOE territories.
- Development of action plans for the implementation of new sustainable biomass supply and demand management systems in the form of a short-circuit in 6 territories.
- New, more efficient technologies & monitoring systems.
- Training and improvement in the working conditions.
- More flexible contracting models guaranteeing a continuous supply.
- Complete energy supply models at a local level
- Participatory systems for conversion and logistics.

The PROMOBIOMASSE project involved several players in the short-circuit biomass market value chain in the territories as well as experts in the three working areas: exploitation, marketing, and demand promotion.





REHABILITE

DATES: From 01-07-16 to 31-12-19

LEADER / PARTNER / OTHER: Leader

BUDGET: 1.581.933,33 €

WEB: https://bit.ly/3NMqdB7

PROJECT DESCRIPTION:

The challenge for the regions participating in the REHABILITE project was to identify and use successful financial instruments that contribute to break the investment barrier to rehabilitate private housing and public buildings. The final objective of the project was to modify the support policies for energy rehabilitation, in such a way that they include innovative financial instruments, and to test the feasibility of these new policies through pilot actions.

REHABILITE facilitated the financing of energy efficiency and renewable energies in the framework of renovations of both private homes and public buildings. The project focused on capitalizing on innovative energy retrofit policies and created a platform to provide support, advisory and training services.

The REHABILITE platform is made up of advisory services, online training services, a database, and an online map with information on a total of 100 good practices. In addition, the project has developed a specific methodology for the design of innovative financial instruments that was applied in 7 pilot actions to improve the energy efficiency of buildings based on 5 ex-ante studies.

The methodology developed for the design of innovative financial instruments can be applied in any SUDOE region.





AGROGAS

DATES: From 01-09-11 to 30-06-14

LEADER / PARTNER / OTHER: Leader

BUDGET: 739.992,44 €

WEB: https://bit.ly/3CLcwfx

PROJECT DESCRIPTION:

The objective of the AGROGAS project was to ensure that the agricultural, livestock and agro-industrial sectors reduce the environmental impact of their waste and, at the same time, reduce their energy dependence by improving the efficiency of energy resources in rural areas of the SUDOE territory.

To achieve this objective, the AGROGAS partnership had modelled, based on scientific analysis, a protocol for the quantification of the re-use and valorization of industrial waste susceptible to methanation and biogas production according to geographical location.

Thus, the life cycle of agricultural residues suitable for methanization was thoroughly analyzed. A selection of farmers interested in establishing biogas plants was made to evaluate practical examples of methanization in agro-livestock farms in the SUDOE territory. Finally, several scientific models of electrical production (isolated from the electrical or gas network) based on the methanation plant were also designed.





APERSUE

DATES: From 01-01-11 to 31-12-13

LEADER / PARTNER / OTHER: Partner

BUDGET: 812.630,00 €

WEB: https://bit.ly/3CKhRE7

PROJECT DESCRIPTION:

The APERSUE project strived to facilitate the access to innovative technologies or practices in the field of energy applied to agriculture through the implementation of a transnational network of experts. This network developed measures to reduce agricultural energy costs by supporting the development of efficient and environmentally friendly alternatives. So, the improvement of agricultural energy performance would be fostered and transformed into a competitive advantage both for companies in the agricultural sector and for the territory in general.

4 partners from France and 4 from Spain participated in the project, encouraging the development, and sharing of new knowledge and supporting the implementation of measures to reduce energy costs in agriculture.



Interreg POCTEP



Interreg POCTEP:

Finished projects in June 2023





INNOINVEST

DATES: From 01-07-19 to 31-12-22

LEADER / PARTNER / OTHER: Leader

BUDGET: 2.567.825,11 €

WEB: http://innoinvestproject.eu/

PROJECT DESCRIPTION:

The objective of the project was to promote cooperation in R+D+i among companies and research centers to develop new advanced products and services applied to building energy retrofit. To this end, Innoinvest focused on three main axes: 1- Building materials. 2- Cold-heat systems. 3- Energy storage.

To implement those 3 axes, Innoinvest produced the following relevant results:

- Catalog of R&D capacity of research centers (40 centers).
- Cross-border sectoral study of business R+D+i capacities in energy products and services (400 companies).
- Study of the demand of 200 companies and 750 buildings, in energy service products.
- An Innoinvest Platform for advice and energy management of buildings.
- Audits and business plan for 200 companies (Innoempresa Plan).
- Training for 100 companies and/or 120 people.
- 6 Prototypes installed in buildings.





LOCALCIR

DATES: From 01-07-17 to 31-12-22

LEADER / PARTNER / OTHER: Partner

BUDGET: 3.284.870,85 €

WEB: https://localcir.eu/

PROJECT DESCRIPTION:

The LOCALCIR project aimed at fostering circular economy entrepreneurship and innovation of companies in the Interreg Spain-Portugal program area, by creating a support service to launch & consolidate of new business ideas in the green economy and circular economy sector, thereby helping to improve the competitiveness of rural businesses.

A green itinerary methodology was created for the development of the green and circular economy in rural areas. Meanwhile, a permanent support service was launched, and the circular model was actively introduced in a total of 225 companies.

The methodology resulting from the project allows planning future green and circular economy policies in any part of the POCTEP territory, thanks to the design of business promotion strategies based on sustainable resources. In addition, the capacity of the EUROACE business promotion institutions was strengthened through the green itineraries support service created under the umbrella of LOCALCIR.





URBANSOL

DATES: From 01-09-17 to 31-12-20

LEADER / PARTNER / OTHER: Leader

BUDGET: 3.572.170,71 €

WEB: http://www.redurbansol.com/

PROJECT DESCRIPTION:

Its main objective was to reinforce sustainable local development along the entire Spanish-Portuguese border strip, in the EUROACE zone (Extremadura and the Portuguese regions of Alentejo and Centro), with pilot interventions in locations of special tourist or social importance, aimed at developing sustainable urban models that promote efficiency in the use of resources and services, developing energy self-sufficiency and a low-carbon economy.

The basic tool of the URBANSOL network project were the Sustainable and Intelligent Interurban Development Action Plans (PADISI), specific to each municipality, necessary to know the real needs of each locality, from a Sustainable Development point of view.

The main objectives of this project were:

- Development of a POCTEP methodology for the elaboration of Sustainable and Intelligent Interurban Development Action Plans.
- Preparation of concrete Sustainable and Intelligent Interurban Development Action Plans with the potential to reduce atmospheric ozone concentration in EUROACE by 20%.
- Rehabilitation/Creation of green spaces, pedestrian, and cycle paths in EUROACE.
- Evaluation and promotion of infrastructures linked to electric mobility in EUROACE.





ECO2CIR

DATES: From 01-04-15 to 31-12-19

LEADER / PARTNER / OTHER: Partner

BUDGET: 3.416.322,34 €

WEB: https://www.eco2cir.eu/

PROJECT DESCRIPTION:

The production of goods, the waste generated, the geography and distribution of the population in the 3 EUROACE regions, are similar enough to allow proposing a common set of solutions in relation to the use of resources and waste in the related economies.

The 3 EUROACE regions need to transition from the "throw away" economy to the product life cycle economy. The project promoted this change, exchanging information and experiences, with good results on both sides of the border in line with the EU Directive 98/2008.

The project resulted in the establishment of green procurement for the Euroace administration and companies, introducing the concept of product life cycle. Likewise, the bases were laid for the development of a new waste collection model that promotes recycling—since the current model is stagnant and does not grow—and the integral use of organic matter within the EUROACE. Experiences were also developed in the life cycle of building construction products and the recycling and reuse of their waste; due to the large volume they represent over the total waste within Euroace.





IDERCEXA

DATES: From 01-01-16 to 31-12-18

LEADER / PARTNER / OTHER: Leader

BUDGET: 3.934.417,73 €

WEB: https://idercexa.com/

PROJECT DESCRIPTION:

IDERCEXA's main objective was to enhance the promotion of R+D+i in business sectors with a strong presence in the EUROACE region, such as metal-mechanics or electrotechnics, through collaboration with Research Centers. The introduction of new technological developments (products or services) that belong to key sectors that have been identified in the RIS strategy of each EURACE region was its focus. In this way, the participation of the metal-mechanic and electrotechnical sector business fabric in market-ready R+D+i activities was significantly improved throughout the project.

The main results of IDERCEXA were:

- Creating a stable structure to support innovation that allows a stronger cooperation among research centers and EUROACE companies, promoting the development, design, and manufacture of new products/services, based on innovative energy technologies.
- Identify, quantify, and assess the R+D+i capacities in innovative energy technologies owned by the Research Centers of the EUROACE region.
- Increase the number of companies that cooperate with research centers in the process of commercialization and patenting of new products/services based on innovative energy technologies.





ALTERCEXA II

DATES: From 01-01-2011 to 31-12-13

LEADER / PARTNER / OTHER: Partner

BUDGET: 2.762.374,15 €

WEB: https://www.altercexa.eu/

PROJECT DESCRIPTION:

The general objective of ALTERCEXA II was the enhancement of energy generation with innovative RES approaches.

Other specific objectives of the project were:

- Continue promoting the development of the best technologies and related services in everything related to renewable energies and energy efficiency.
- Maintain a stable structure for the study and dissemination of technology applied to renewable energy and energy efficiency.
- Carry out specific actions to promote the use of local biomass as an energy source in the project territory.
- Carry out joint actions for the re-use and energy recovery of waste.
- Promote the exchange of technical knowledge on sustainable mobility, use of biofuels and public and private policies for efficiency in transport.
- Promote the exchange of energy efficiency analysis methodologies and techniques.
- Identification and analysis of regulatory measures and policies to promote sustainable mobility.
- Joint research on use of biomass energy.





PROMOEENER-A

DATES: From 01-01-11 to 31-12-12

LEADER / PARTNER / OTHER: Partner

BUDGET: 2.160.977,10 €

WEB: http://promoeener-a.com/ (not online anymore)

PROJECT DESCRIPTION:

The PROMOEENER-A project was born out of the need to promote energy efficiency and renewable energies in public administration buildings, a fact generally associated with the high energy consumption of their heating and HVAC systems. The main objective of the project was to promote the use of highly efficient solutions and the implementation of renewable energy systems for heating and cooling in public buildings.

Within the scope of this Project, the following actions should be highlighted: Geothermal mapping of the regions of Extremadura (Spain), Alto Alentejo and Centro (Portugal); training course on «Biomass-based Building Air Conditioning»; Information and Awareness Campaign on «Energy Efficiency in the Residential Sector»; energy auditing of public buildings in the 3 EUROACE regions.

In Extremadura, several efficient HVAC installations in public buildings were installed, based on bioclimatic and geothermal systems.



Spanish national programmes



Spanish national programmes:
Finished projects in June 2023





GO AGROVOLTAICA

DATES: From 15-02-21 to 15-03-23

LEADER / PARTNER / OTHER: Partner

BUDGET: 587.069,72 €

WEB: https://goagrovoltaica.es/

PROJECT DESCRIPTION:

The GO-AGROVOLTAICA project is promoted by a National Operative Group with the participation of organizations and research centers of the agrarian and energy sector of three autonomous communities: Extremadura, Castilla León and Comunidad Valenciana.

The common objective is the integration of agricultural activity and energy production in photovoltaic plants through sustainable and efficient solutions, adapted to each territory.

In Extremadura, a pilot project at the Hinojosa Solar photovoltaic plant was developed, which focused on the regeneration of the soil of a working PV plant with biodiverse vegetation cover, associated with the implementation of a regenerative soil management through livestock sheep. During the implementation of the project, the impact of this proposal on the livestock activity, the environmental status of the photovoltaic plant and the improvement of the yield in energy production was studied.

Among other activities, AGENEX was responsible for the mapping of the PV plants in Extremadura, focusing on the capacities of the different PV plants configurations with regards to their agricultural potential. AGENEX was also in charge of monitoring the energy performance of the plant during the implementation of the pilot project in Hinojosa.





FORMATE-BIO

DATES: From 01-10-09 to 31-10-11

LEADER / PARTNER / OTHER: Leader

BUDGET: 176.318,00 €

WEB: www.formatebio.es (not online anymore)

PROJECT DESCRIPTION:

This project aimed at optimizing the services provided by companies from Extremadura that are part of the biomass value chain.

To solve the lack of sufficiently trained installers and experts in biomass systems, FORMATE-BIO focused on training and capacity building activities, also promoting the exchange of experiences between already consolidated companies and new ones.

The value chain in which FORMATE-BIO focused, stretched from farmers and cooperatives that produce biomass waste, to the end customer, including manufacturers, equipment installers and biomass suppliers. The project aimed at the training and building of capacities of:

- Workers of SMEs and micro-SMEs, especially in the environmental sector.
- Self-employed workers in the agricultural sector, farmers with the capacity to reuse their own waste or to expand their activity and generate new reusable waste.
- Self-employed workers in the livestock sector, seeking to reuse manure as an energy source.
- Self-employed or liberal profession workers, including industrial engineers, agronomists, chemists, environmentalists, architects, etc.



Europe for Citizens Programme



Europe for citizens Programme: Finished projects in June 2023





AC4ACP

DATES: From 01-09-15 to 30-09-17

LEADER / PARTNER / OTHER: Partner

BUDGET: 100.000,00 €

WEB: N/A

PROJECT DESCRIPTION:

The project "Active citizens for active climate protection" aimed at raising the awareness among the citizens regarding the importance of getting active to protect the climate. It also aimed to show, that the already active citizens are not alone with their effort and commitment - that other citizen in other countries of the EU work actively for the same aim. There are different ideas and approaches in the diverse countries, which have the power to inspire and motivate alike for continuing and improving existing activities and developing new approaches.

In this project, partners from five EU countries (Austria, Czech Republic, Malta, Portugal, and Spain) worked jointly to contribute both to the 20-20-20 targets and the targets of the "Europe for citizens"-programme.

The core element of the project is the organization of five 2-dayevents (one in each participating country) including visits to national good practices and a big public event, where citizens were involved. A special focus was made on the suitable and attractive design of the public events, so that they were appealing to young and older citizens alike.





ENPCOM

DATES: From 01-09-14 to 30-09-16

LEADER / PARTNER / OTHER: Partner

BUDGET: 100.000,00 €

WEB: N/A

PROJECT DESCRIPTION:

ENPCOM is a network of local governments, citizens, industry organizations and associations aimed at strengthening the involvement of European citizens in the fight against climate change through their involvement in the Covenant of Majors and the Sustainable Energy Action Plans (SEAPs)

The SEAPs represent a planning instrument common to all the European local administrations, with standard and uniform rules valid throughout Europe.

Specific objectives of the project are:

- Integration of the involved communities on the issues of emissions, energy policies and strategies to adapt to climate change
- exchange and comparison of experience of citizens and local governments good practices, identifying ways to enhance them
- identifying methods of communication between administrators and citizens to improve the quantification and monitoring of consumption/emissions and to improve the effectiveness of the SEAP action
- dissemination of the principles and objectives of the Covenant and of the European energy policies.

The project was divided into four thematic events. All the events' activities were carried out through a mix of conferences, exchange of experiences, project planning workshops, technical visits, environmental and cultural visits, tours.



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