

ENVIRONMENTAL SUSTAINABILITY, ENERGY AND GREEN TERRITORY AREA





DIPUTACIÓN DE BADAJOZ

We are a **local public entity** that structures its policy action around three strategic pillars: the provision of basic public services, territorial cohesion, and the fight against depopulation and the promotion of social cohesion.

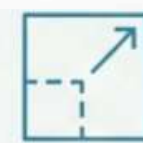
Within this framework, the **Area of Environmental Sustainability, Energy and Green Territory** designs and implements policies to combat climate change, prevent pollution, and protect natural heritage and biodiversity. It also operates in the fields of urban environment and green infrastructure, promotes the energy transition towards a more sustainable economic and social model, provides support to municipalities in energy efficiency and energy management, and fosters sustainable mobility and environmental education.



Support to
165 municipalities



**Coordinator of
the Covenant
of Mayors**



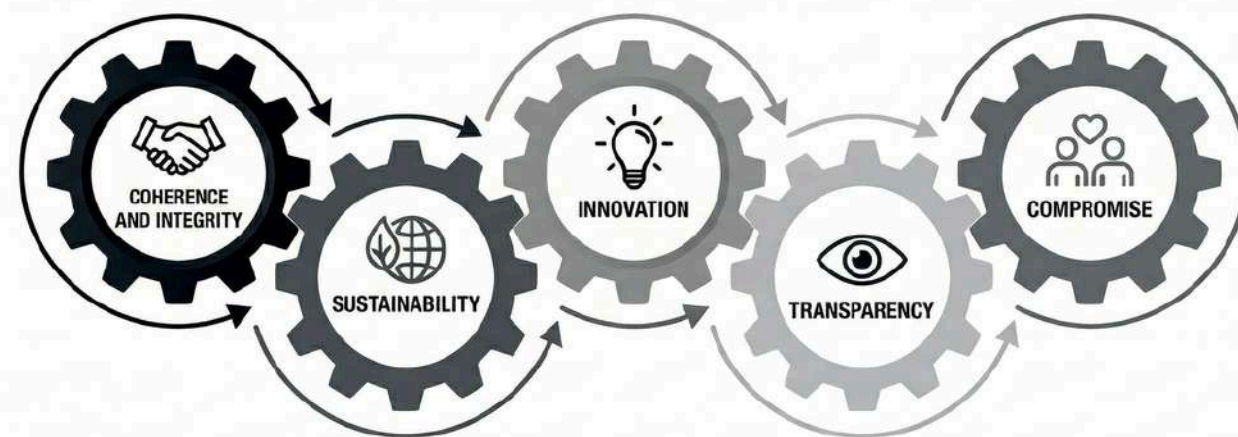
21,766 km² of
surface area, **the
largest** in Spain

STRATEGIC FRAMEWORK

Mission: To promote a new model of sustainable growth through innovative initiatives in sustainability, circular economy, climate action, energy efficiency, and urban environment.

Vision: To promote local sustainability by integrating municipalities, people, territory, resources, and partnerships.

Values:



CHALLENGES



Climate change
Heatwaves, droughts, wildfires, and intense rainfall



Demographic challenge
Depopulation and population ageing



Loss of biodiversity
Protection of ecosystems and ecological restoration



Large territory
Rural mobility and access to public services in a very extensive province

WORK AREAS

Energy efficiency, renewable energy and sustainable mobility

Local Energy Communities
Local Energy Generation
Energy in Public Buildings
Sustainable Mobility
Municipal Energy Accounting and Management
Training Centre on Energy and Climate Changeo



Climate change, green infrastructure and biodiversity

Green Infrastructures
Nature-based Solutions
Climate refuges
Climate Change Adaptation Plans
Conservation and recovery of biodiversity
Efficiency in Nurseries / Services to Municipalities.



Education for Sustainable Development

Education and Awareness
CSEA La Cocosa
Dynamisation of the CSEA hostel
Natural Heritage (trail and biodiversity reserve)
Interpretation and Awareness Centre on Energy and Climate Change



Protection and promotion of the night sky

Centre for the Protection and Promotion of the Sky La Cocosa
Control of light pollution
Astronomical orchard
Astronomical observations



New European Bauhaus and Circular Economy

Programmes to Reduce, Reuse, Reutilise, Rethink
Projects Co-necta / Reutilízame / Recicleta (Classroom + CSEA Building)
Support to Circular Economy projects in municipalities
Art and Nature (CSEA / elHospital Centro Vivo / Municipalities)



PROJECTS IN PROGRESS



TRANSCOM



Objective: to promote the creation of pilot energy communities with a cross-border and cooperative approach, integrating civil society, the private sector and local and regional public administrations.

Total project budget: €2,324,515.97 (75% co-financed by ERDF).

Area budget: €415,053.

Implementation period: 2023–2026.

Role of the Provincial Council: project partner.

Interreg



Cofinanciado por
la Unión Europea
Cofinanciado pela
União Europeia

España – Portugal

INTERREG POCTEP



BIOSCOOL

Objective: Adaptation of educational centres to heatwaves and extreme weather conditions through bioclimatic strategies, natural ventilation, free cooling, nature-based solutions and innovative materials. The solutions will be designed based on the monitoring of the buildings and the thermal perception of the educational communities.

Total project budget: €1,195,618.59 (75% co-financed by ERDF).

Area budget: €372,264.

Implementation period: 2026–2028.

Role of the Provincial Council: project partner.



Interreg



Cofinanciado por
la Unión Europea
Cofinanciado pela
União Europeia

España – Portugal

BIOSCOOL

AIRES

Objective: To consolidate the scientific and technological innovation ecosystem in the storage sector through the development and evaluation of technical solutions. These solutions will be transferred to the business sector, improving its competitiveness and promoting digitalisation.

Total project budget: €1,458,169.86 (75% co-financed by ERDF).

Area budget: €180,971.36.

Implementation period: 2026–2028.

Role of the Provincial Council: project partner.



NATUREFIN



Alignment of the impacts on nature of regional development with the regulation of green finance.

Objective: To improve the effectiveness of regional development policies so that they actively contribute to biodiversity conservation, the fight against climate change and the sustainable use of natural resources, aligning them with European sustainable finance regulation, with a focus on improving the Strategic Grants Plan.

Total project budget: €1,400,000 (80% co-financed by ERDF).

Area budget: €187,800.

Implementation period: 2025–2029.

Role of the Provincial Council: project partner.

INTERREG EUROPE



DUS 5000

The DUS 5000 PROGRAMME promotes sustainable urban development in municipalities facing demographic challenges through the implementation of singular clean energy projects.

Objective: to reduce energy consumption and CO₂ emissions, improve the quality of the environment –including the protection of the night sky– and advance in the digitalisation of energy services.

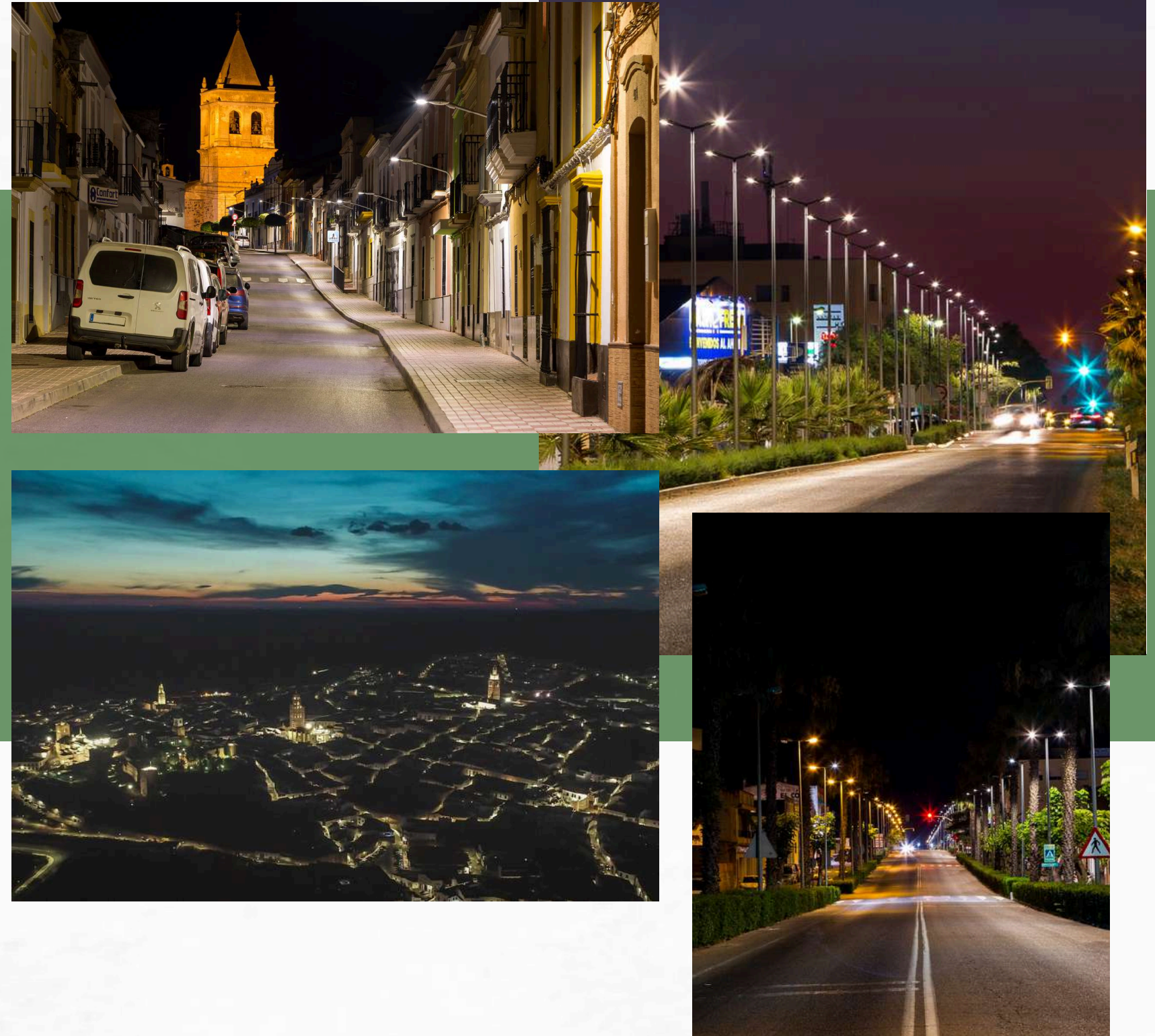
Actions: comprehensive renovation of municipal outdoor lighting through replacement with high-efficiency LED technology and the implementation of remote management systems for the control and optimisation of the service.

Budget: €4,500,000



DUS

NEXTGENERATIONEU



PROVINCIAL OTC OF BADAJOZ

Community Transformation Office for the promotion of **Local Energy Communities** in municipalities with fewer than 20,000 inhabitants in the province, funded by Next Generation EU funds.

Objective: to promote the creation of Local Energy Communities in the territory and provide technical support for their implementation and management.

Services: dissemination, comprehensive support and specialised technical advice.

Budget: €792,000



NEXTGENERATIONEU



PROVINCIAL PLAN FOR CLIMATE CHANGE ADAPTATION



Objective: To reduce the vulnerability of the territory to the effects of climate change — heatwaves, droughts, torrential rains and forest fires—, anticipating risks and strengthening provincial resilience against direct impacts on the economy, the agricultural sector, desertification and depopulation.

Actions:

- Diagnosis of vulnerability and definition of adaptation measures.
- Effective governance system aligned with the 2030 Agenda.
- Mechanism for monitoring and evaluation of progress.
- Local plans against extreme temperatures (FEMP Pilot).

OWN FUNDS



ACTION PLAN FOR MOSQUITO CONTROL IN LAS VEGAS ALTAS



Objective: To reduce mosquito populations in urban residential areas to levels tolerable for the population.

Actions:

- Identification and monitoring of mosquito populations.
- Continuous environmental surveillance of breeding sites and mapping and zoning of them.
- Application of biocidal treatments in identified areas.
- Training of municipal staff in monitoring and control techniques.
- Communication and awareness campaigns for citizens on prevention and self-protection.

OWN FUNDS



PROVINCIAL PLANT NURSERY

- Annual campaign for the distribution of plants for the improvement of green areas.
- Dissemination of nursery actions and environmental education: educational visits, employment workshops.
- Support to municipalities on the management and maintenance of green areas.
- Adaptation of urban spaces and buildings.
- Training: curricular and extracurricular internships in the nursery facilities.

OWN FUNDS



CPPPC

Centre for the Promotion and Protection of the Night Sky



Objective: To mitigate light pollution in the province of Badajoz and preserve areas free from it, protecting ecosystems and improving citizens' health and rest, with the aim of generating new development opportunities in green entrepreneurship, tourism and related sectors.

Actions:

- Training for municipalities for the development and implementation of ordinances on light pollution.
- Observatory and astronomical orchard.
- Network of photometers.

OWN FUNDS



CSEA

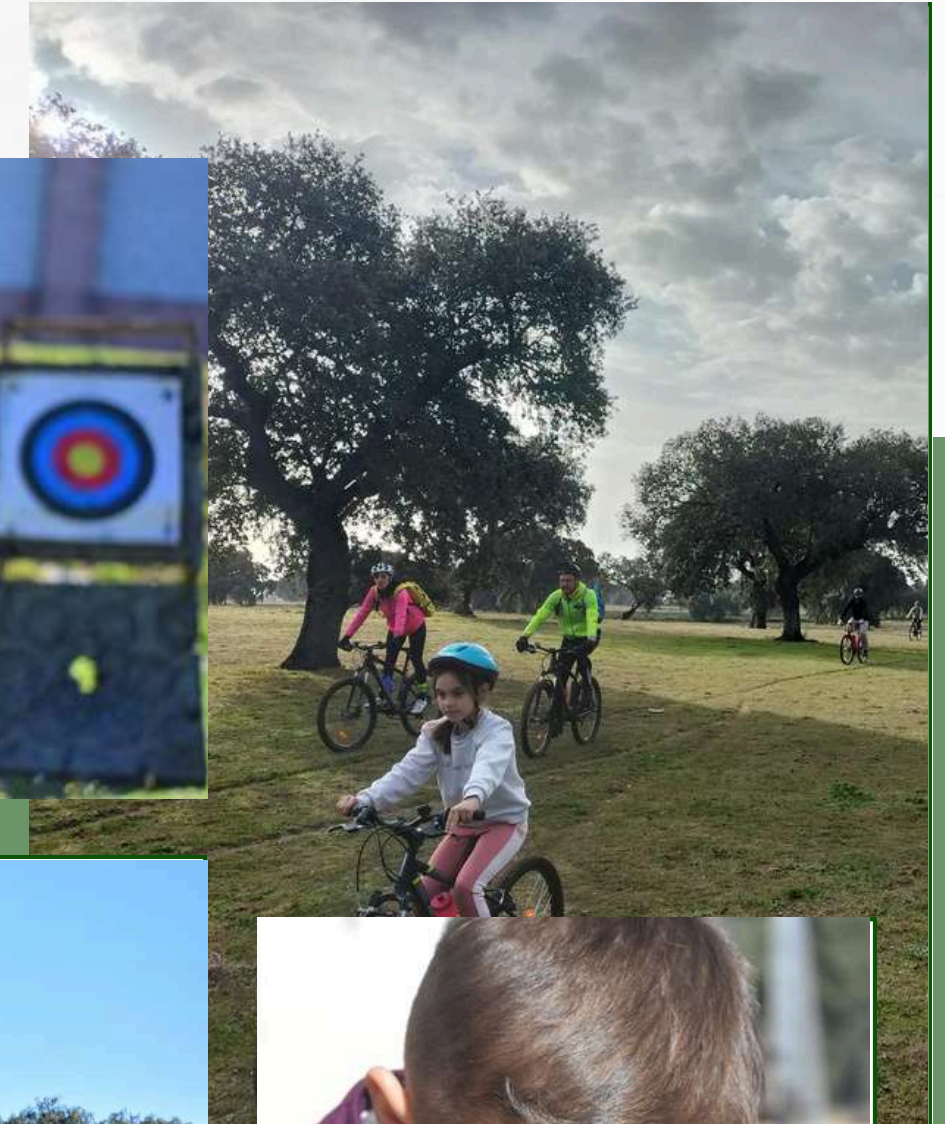
Training Centre in Sustainability and Environmental Education

Services:

- Activities of environmental education for educational centres and entities.
- Citizen science and biodiversity workshops.
- Vocational training in environmental conservation and sustainable development.
- Travelling environmental museum (MIMABA).
- Ethnobotanical garden.



OWN FUNDS

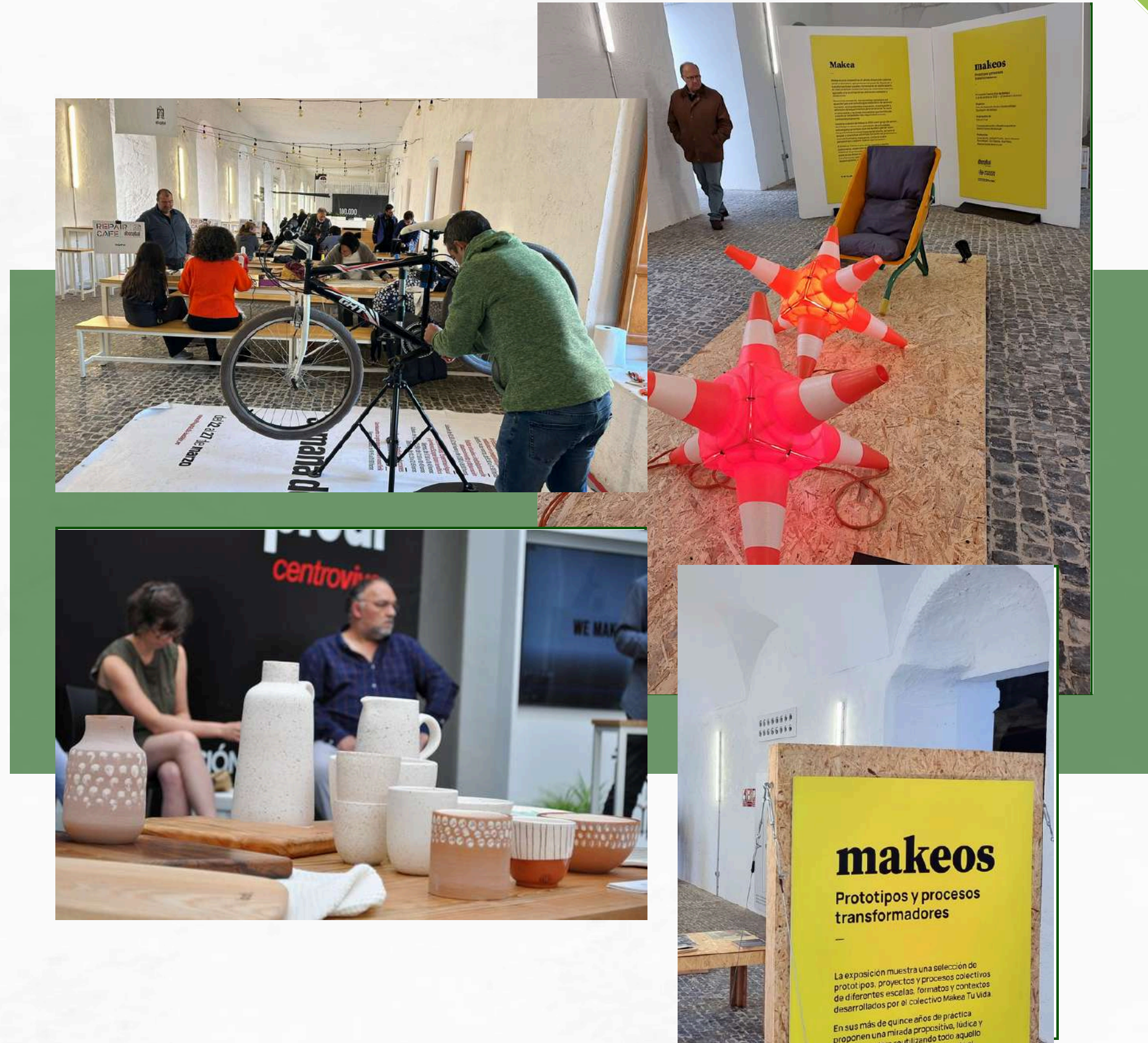


NEW EUROPEAN BAUHAUS

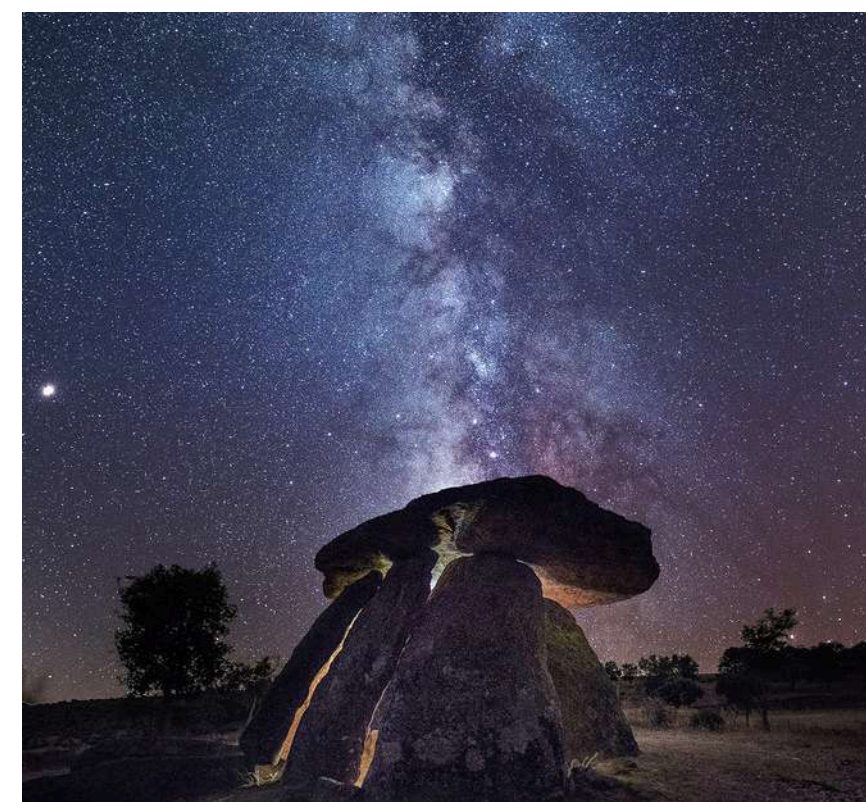
Objective: Activation of projects aligned with the New European Bauhaus, with three lines of work:

- **CO-NECTA** — Transformation and generation of territorial value through circular economy: listening, learning and exchange network, and Circular Economy laboratory in La Cocosa.
- **REUTILÍZAME** — Reuse of bulky waste.
- **RECICLETA** — Repair and reuse of bicycles to promote sustainable mobility.

OWN FUNDS



RELEVANT PROJECTS DEVELOPED



SMARTENERGÍA PLAN

Objective: To favour the transition to a low carbon emission economy of the local energy infrastructures of municipalities with fewer than 20,000 inhabitants in the province of Badajoz.

- **PUBLIC LIGHTING** — Replacement of 27,000 luminaires with LED technology.
- **RENEWABLES IN BUILDINGS** — Improvement of energy efficiency in municipal buildings and implementation of renewable energies.
- **PHOTOVOLTAICS IN TREATMENT PLANTS** — Electricity self-consumption for the WWTPs and DWTPs of PROMEDIO.
- Budget: €27.5 M



ERDF



Unión Europea

Fondo Europeo
de Desarrollo Regional
"Una manera de hacer Europa"



MOVEM PLAN

Electric Vehicle Mobility Plan in Municipalities

Objective: To promote the use of electric vehicles and accessibility to vehicle charging in the provincial territory.

Delivery of one 100% electric vehicle per municipality for municipal services.

Creation of a smart network of charging points for electric vehicles.

- Budget: €7,000,000



ERDF - OWN FUNDS



MYBUILDINGISGREEN

Application of Nature-based Solutions for the local adaptation of educational and social buildings to climate change

Implementation of Nature-based Solutions in public educational buildings and social centres as solutions for climate change adaptation, improving environmental health and comfort in these spaces.

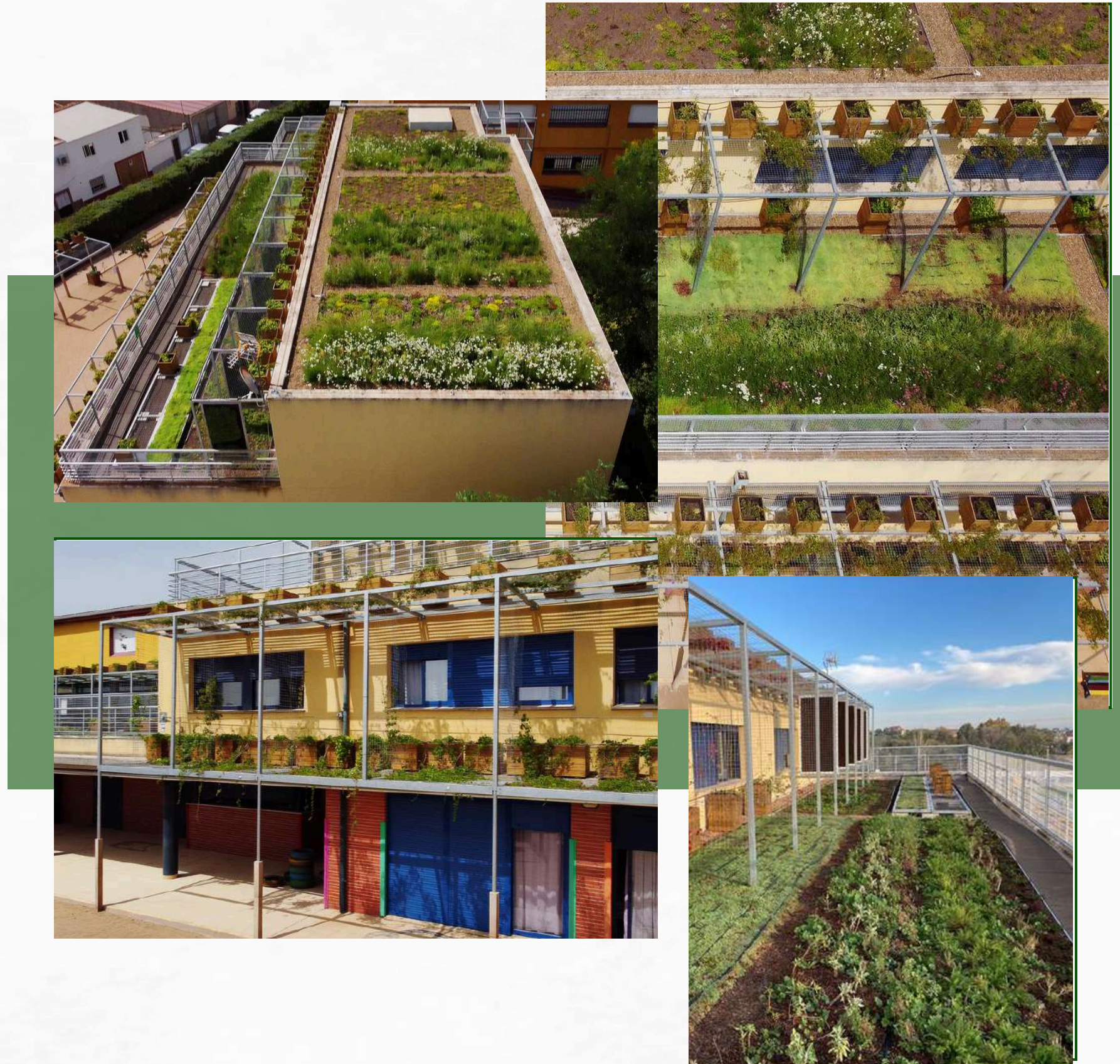
Total project budget: €2,854,102 (60% co-financed by the EU).

Area budget: €443,593.

Role of the Provincial Council: project partner.



LIFE





URBANSOL

Network of Sustainable and Smart Urban Planning in EUROACE

Creation of Sustainable and Smart Interurban Development Action Plans and of intermunicipal and cross-border infrastructures and investments, developing energy self-sufficiency and the low-carbon economy. 2015–2020

Total project budget: €3,572,170.71 (75% co-financed by ERDF).

Area budget: €283,990.

Role of the Provincial Council: project partner.



INTERREG POCTEP



BIOTRANS



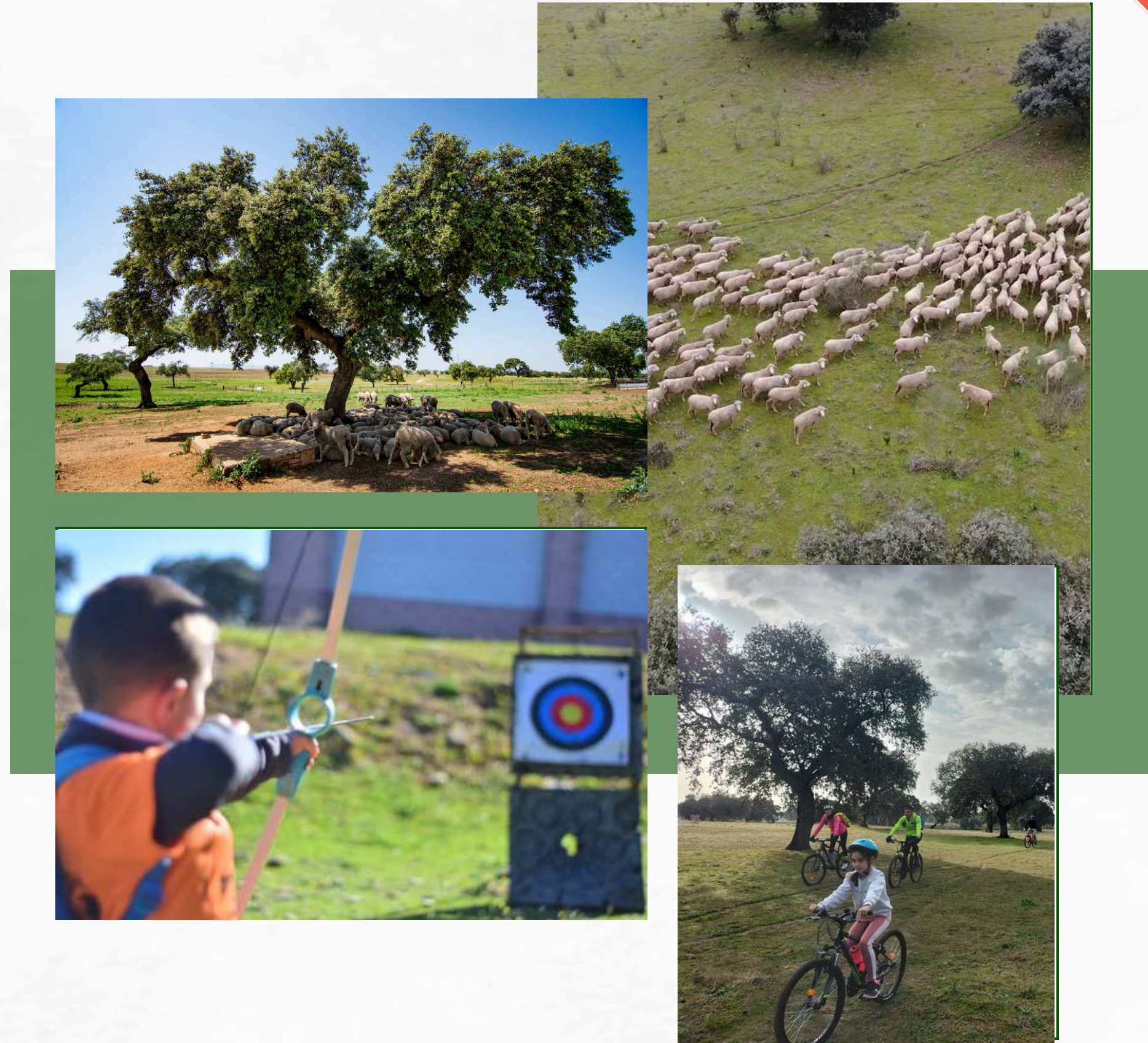
Integrated Management of Biodiversity

Joint and integrated management of biodiversity conservation in the EUROACE region (Centro – Alentejo – Extremadura) through the implementation of joint and synergistic actions for the protection and conservation of biological groups and species identified in the area.

Total project budget: €3,012,027.33 (75% co-financed by ERDF).

Area budget: €349,396.

Role of the Provincial Council: project partner.



GLOBALTUR



Global Strategy for Tourism Development in EUROACE

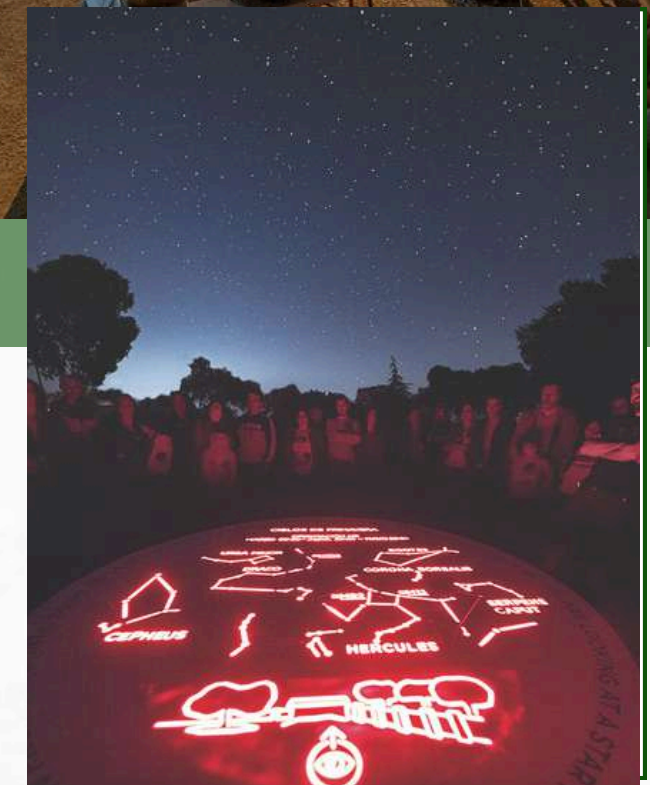
To support economic development through tourism resources and cross-border cooperation in EUROACE (Alentejo – Centro – Extremadura), implementing a global development project through tourism, with the aim of enhancing the value of historical heritage.

Total project budget: €2,474,055.67 (75% co-financed by ERDF).

Area budget: €257,076.

Role of the Provincial Council: project partner.

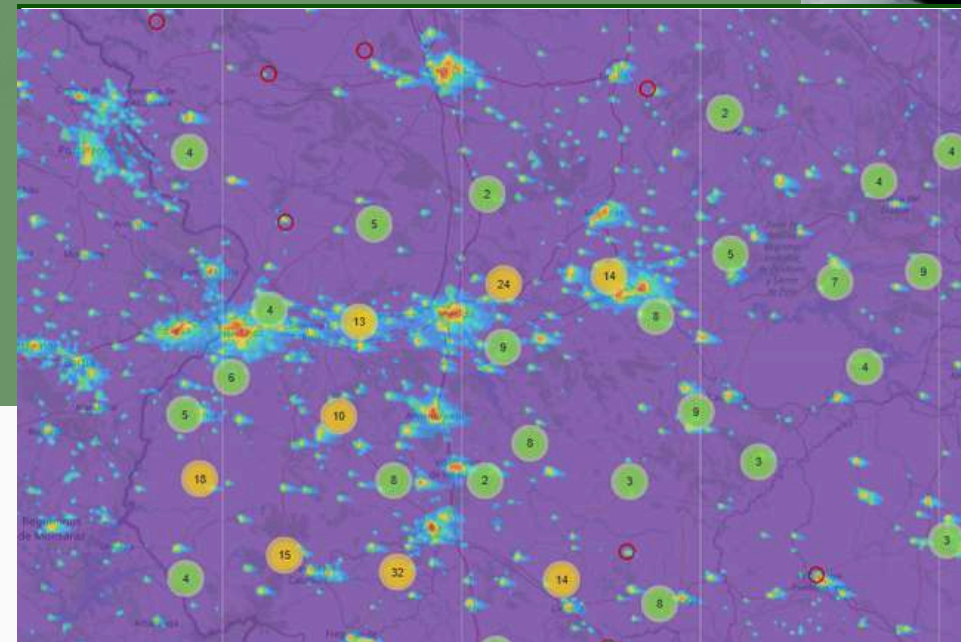
INTERREG POCTEP



CONTROL OF LIGHT POLLUTION

Network of photometers: Deployment of 240 devices in strategic locations of the province — urban and rural areas—, forming the largest network of photometers in the world for the measurement of light pollution. Developed in collaboration with RED.es within the framework of the project "Provincia de Badajoz Smart Tourist Destination", it provides scientific data on the quality of the night sky and the impact of the replacement of luminaires.

NATIONAL FUNDS



MOBIRURAL

Improvement of European rural mobility

Promotion of efficient and sustainable rural mobility through the course “Innovative Solutions in Sustainable Rural Mobility”, creation of a platform for efficient rural mobility, framework to lay the foundations of a European curriculum for rural mobility agents, creation of a cooperative network for the promotion of rural mobility policies and initiatives.

Total project budget: €269,998 (80% co-financed by ERDF).

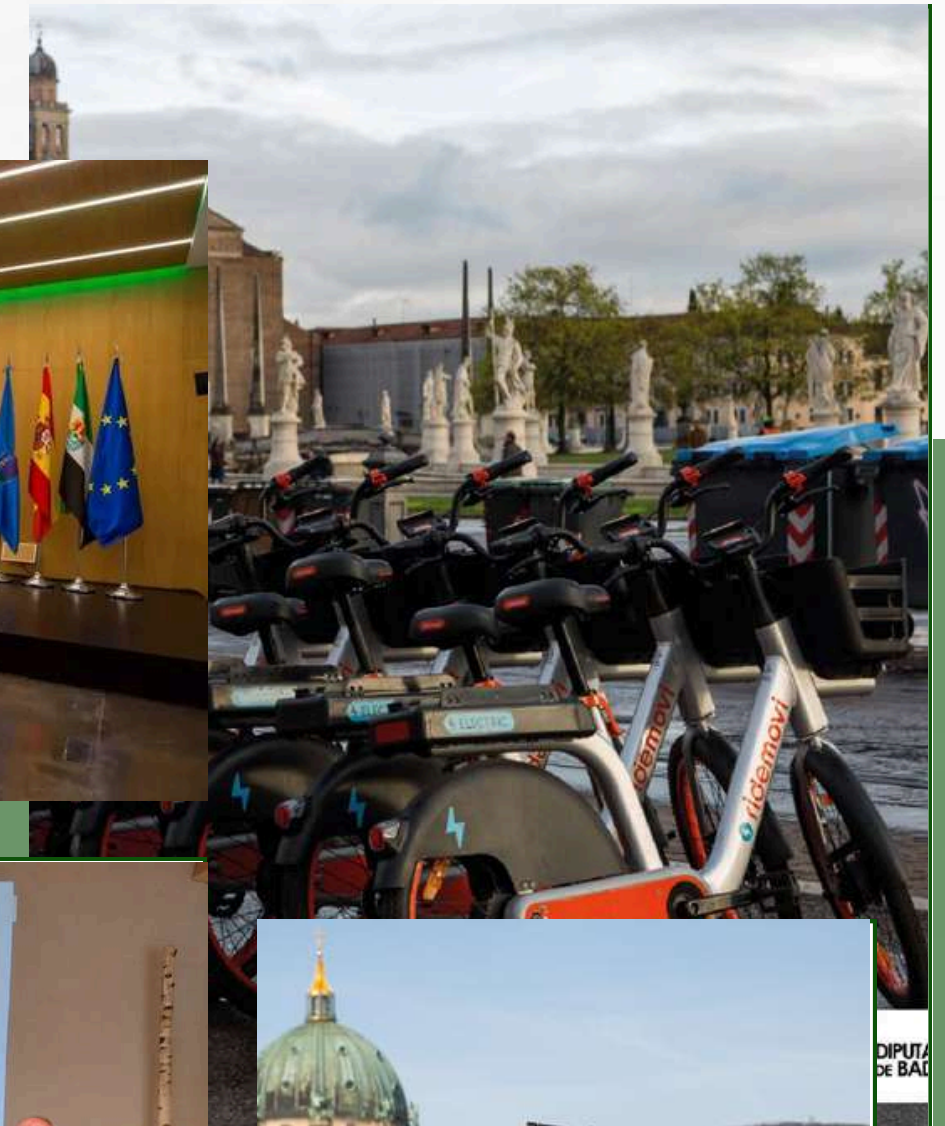
Implementation period: 2022–2024.

Role of the Provincial Council: project partner.

MOBI RURAL



ERASMUS+



Co-funded by the
Erasmus+ Programme
of the European Union

ADAPTA LOCAL

Diagnosis and development of climate change adaptation actions in the rural area to be revitalised of La Serena and La Siberia: green spaces and energy.

Objective: To implement measures and methodologies to prevent and minimise the impacts of climate change in the Serena-Siberia rural area, replicating the model in similar environments, with a focus on green spaces and energy efficiency. Local adaptation plans have been developed in Siruela and Tamurejo.

Budget: €119,152.50 (70% co-financed by the Ministry).

NATIONAL FUNDS



ADAPTA BIOFILIA



Local measures for climate change adaptation in green areas of the province of Badajoz.

Improvement of the public service of the nurseries of the Provincial Council of Badajoz in the supply of species, incorporating the criterion of climate change adaptation, generating knowledge on better adapted species and developing a “garden - park” paradigm, as well as working on climate governance.

Budget: €89,438 (70% co-financed by the Ministry).



ADAPTA CLIMA

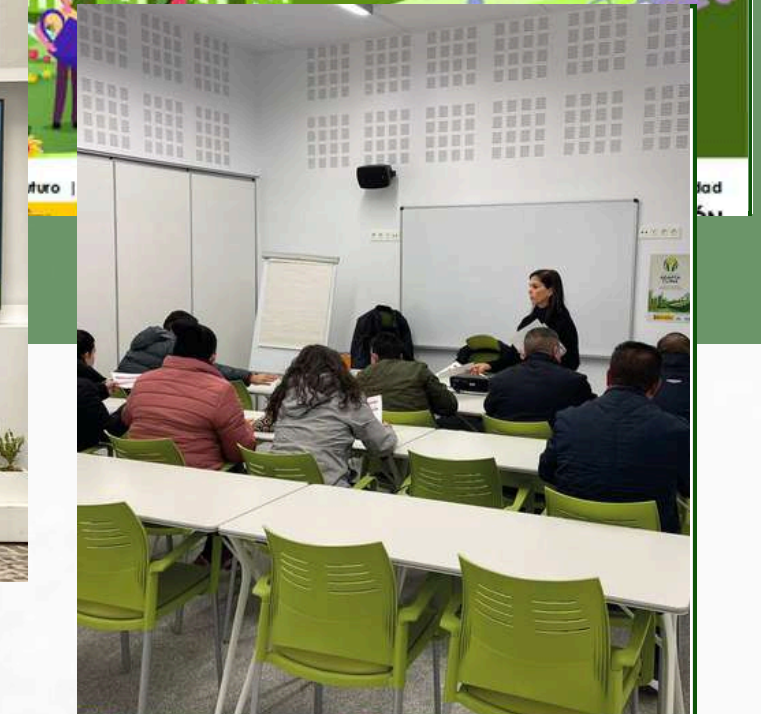
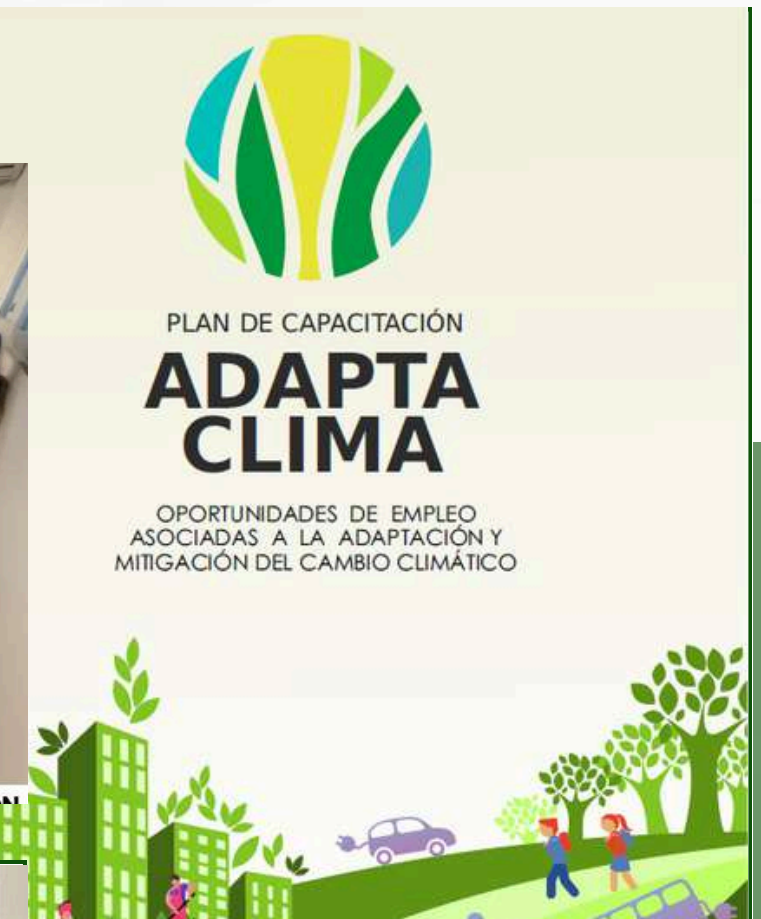


Employment opportunities and strategies associated with climate change adaptation and mitigation

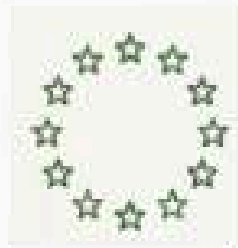
Generation of employment opportunities (12 training actions) associated with climate change adaptation and mitigation, training unemployed people and improving their employability opportunities around three key axes: renewable energies, sustainable mobility and green infrastructures.

Budget: €142,651.46 (90% ESF).

ESF



A TRACK RECORD OF IMPACT AND COLLABORATION



+15

**European projects
managed**



+40 M €

Budget Allocated



165

Municipalities impacted



+10

**Years of experience
in Project
management**

INTERREG

ERDF

ESF+

LIFE

ERASMUS+

NGEU

WE ARE LOOKING FOR PARTNERS FOR FUTURE CHALLENGES

We want to participate as partners in new projects to continue the lines of work initiated, develop new solutions, expand knowledge transfer and capitalise on the results obtained.

STRATEGIC INTEREST AREAS

Interreg

LIFE

Horizon Europe

- New European Bauhaus (NEB)
- CLIMA Mission
- Cluster 5: Climate, energy and mobility
- Cluster 6: Bioeconomy, natural resources

OPPORTUNITY AREAS

- Living Labs and participation
- Energy communities
- Climate resilience
- Mitigation and adaptation
- Smart building pilots
- Sustainable mobility
- Conservation of ecosystems and species
- Innovative solutions

ADAPTA BIOFILIA

Climate Change | Green Infrastructures | Biodiversity

ADAPTA CLIMA

Climate Change | Green Infrastructures | Biodiversity
ESF

BIOTRANS

biodiversity
ERDF - INTERREG POCTEP

GLOBALTUR

Night Sky
ERDF - INTERREG POCTEP

DUS 5000

Energy Efficiency
NEXTGENERATIONEU

OTC

Energy Communities
NEXTGENERATIONEU

TRANSCOM

Energy Communities
ERDF - INTERREG POCTEP

CLIMATE CHANGE ADAPTATION PLAN

AIRES

Storage
Renewable Energies
ERDF - INTERREG POCTEP

2018

2026

ADAPTA LOCAL

Climate Change | Green Infrastructures | Biodiversity

MyBuildingisGreen

Climate Change | Green Infrastructures | Biodiversity

LIFE

PLAN MOVEM

Sustainable Mobility
ERDF
OWN FUNDS

NATUREFIN

Sustainable Finance
ERDF - INTERREG EUROPE

URBANSOL

Energy Efficiency | Renewable Energies | Sustainable Mobility
ERDF- INTERREG POCTEP

SMARTENERGÍA

Energy Efficiency | Renewable Energies
ERDF

BIOSCOOL

Climate Change Adaptation
Energy Efficiency
Renewable Energies
ERDF - INTERREG POCTEP

NETWORKS



**DIPUTACIÓN
DE BADAJOZ**

ÁREA DE SOSTENIBILIDAD AMBIENTAL,
ENERGÍA Y TERRITORIO VERDE



SLOWLIGHT

MEJORES CIUDADES
A TRAVÉS DE LA LUZ



DIPUTACIÓN DE BADAJOZ

ÁREA DE SOSTENIBILIDAD AMBIENTAL,
ENERGÍA Y TERRITORIO VERDE

CONTACT



(+34) 924 212 244



apena@dip-badajoz.es
stena@dip-badajoz.es



<https://sostenibilidad.dip-badajoz.es/>