



BUILD2LC
Interreg Europe



European Union
European Regional
Development Fund

Andalusian Action Plan

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Action 1: Innovative financial instruments to boost energy rehabilitation in public buildings



Description

- **LINE A:** Aims at establishing an **ELENA PDA (Project Development Assistance mechanism)** addressed to provide Technical Assistance for the implementation of projects and programs of energy efficiency in the existing public building stock of the Regional Administration of Andalusia.
- **LINE B:** Development of an Innovative Financial scheme to support energy efficiency in Andalusian municipalities.



Action 1: Innovative financial instruments to boost energy rehabilitation in public buildings

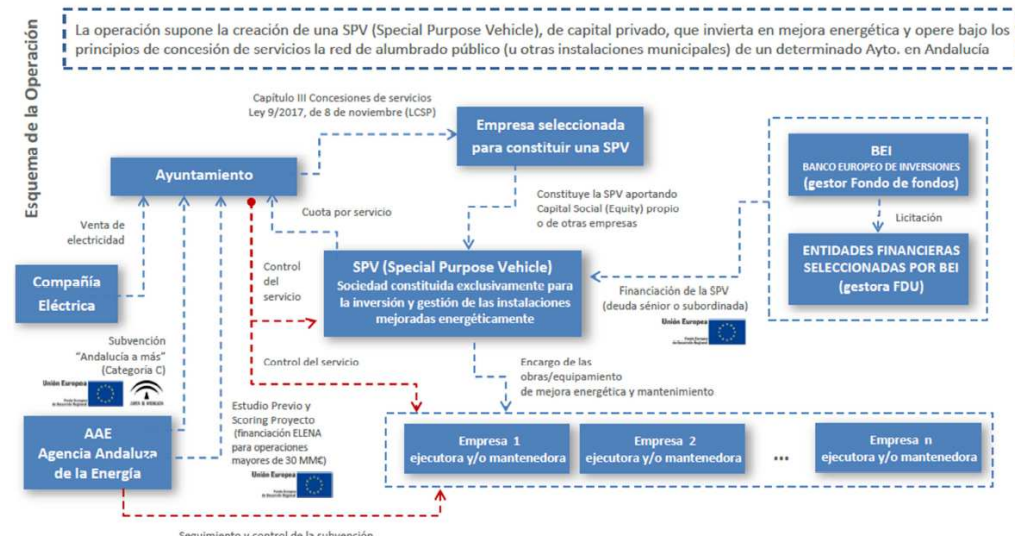
Progress made

LINE A: Aims at establishing an ELENA PDA

- No action has been implemented yet
- Main reason: Risk in achieving the minimum level of investment – 30 M€

LINE B: Innovative Financial scheme to support energy efficiency in municipalities

- The scheme has already been designed
- Several meetings with different municipalities to present the scheme
- A specific road map for one municipality in Seville



Plan de transición ecológica
Alcalá de Guadaíra
Un nuevo modelo local de la energía
moderno, inteligente e integrador

2018/2023

Action 1: Innovative financial instruments to boost energy rehabilitation in public buildings

Policy Change

Has the project succeeded in influencing this policy instrument?

- **LINE A:** Aims at establishing an ELENA PDA
 - Not yet
 - Main reason: Risk in achieving the minimum level of investment – 30 M€
- **LINE B:** Innovative Financial scheme to support energy efficiency in municipalities
 - Not yet
 - Main reason: Changes in the interlocutor due to local elections

Territorial effect: Any information on possible improvement in the territorial situation ?

Not yet



Action 1: Innovative financial instruments to boost energy rehabilitation in public buildings

Stakeholders

- **Andalusian Energy Agency (AEA)** – to plan, coordinate and promote the objectives set.
- **The Energy Management Network of the Andalusian Regional Government, REDEJA**
- **The Andalusian Agency for Housing and Rehabilitation (AVRA)**
- **Private business associations as *Federation of Promoters and Builders of Andalusia* and *the Sustainable Construction Cluster of Andalusia***
- **Ministry of Public Finance and Civil Service- Directorate General of European Funds**
- **Andalusian Regional Government**
- **Municipalities**
- **Private banking**

Were the relevant stakeholders actively involved in phase 2? **Yes**

Did you carry out specific measures to keep them interested? **Yes /Regular meetings**



Action 1: Innovative financial instruments to boost energy rehabilitation in public buildings



Impact

Beyond the above policy impact, are there any unexpected achievements of the project? **No**



Action 2: Comprehensive planning of investments to be made in public buildings



Description

An investment plan in buildings of the Andalusian Regional Government to energetically improve these buildings for an amount of 30 million euros will be implemented up to 2020.

It is necessary to design and develop complementary measures to ensure the maximum efficiency of the investments that are going to be made, as well as to guarantee the durability of the energy efficiency of these solutions.

In this sense, the investment projects to be carried out in the buildings of the Administration of the Andalusian Regional Government, the introduction of ICTs for the energy management of public buildings and installations will be compulsory.



Action 2: Comprehensive planning of investments to be made in public buildings

Progress made

A reference to ICTs has been included in the Technical Specifications of the implementation of the Works that REDEJA will tender:

“The project must define and develop in detail a system of monitoring and permanent follow-up of the energy objectives achieved.

A monitoring system consisting of sensors, measuring elements, concentrators, checkpoints, tables, etc. will be established that permanently allow the staff of the centre to know the consumption, energy efficiency and performance indicators. The objective is to be able to evaluate the performance of the installations that are the subject of the project. The monitoring system must be permanent and must be designed and sized in such a way as to store relevant information on the operation of the improvements carried out during the lifetime of the same. This system will allow to store, publish, exploit and give remote access to the data of what is being monitored.”



Action 2: Comprehensive planning of investments to be made in public buildings



Policy Change

Has the project succeeded in influencing this policy instrument?

- Yes. Some investment has already been implemented
- The funding source for the investment is the ERDF, Andalusian Operational Programme for investments for jobs and growth, 2014-2020. Objective T.O. 4. Priority Line 4.c, which is the policy instrument addressed

Territorial effect: Any information on possible improvement in the territorial situation ?

Not yet because the total investment has still not been implemented



Action 2: Comprehensive planning of investments to be made in public buildings

Stakeholders

- **Andalusian Energy Agency (AEA)** – to plan, coordinate and promote the objectives set. The Energy Management Network of the Andalusian Regional Government
- **REDEJA** - currently integrated into the AEA, is the tool to promote the principles of energy saving and diversification in the Andalusian Administration properties, as well as deploying renewable energies facilities.

Were the relevant stakeholders actively involved in phase 2? **Yes**

Did you carry out specific measures to keep them interested? **Yes . Regular meetings**



Action 2: Comprehensive planning of investments to be made in public buildings

Impact

Beyond the above policy impact, are there any unexpected achievements of the project? Yes

The measure has been included as an action line of the Andalusian Industrial Strategy

MEASURE 6.3.1: Programme for the promotion of ITCs in the public administration



Action 3: A more professional sector by enabling better training and education

Description

The overall objective of the action is to develop a specific program of Dual Vocational Training in sustainable construction, which improves the actual offer.

Main challenges :

- To increase the projects of Dual Vocational Training directly related to Sustainable Construction
- To adapt the educational offer to the demands of the construction sector
- To improve the transfer of knowledge and technologies, the working environment in the companies, the responsibility of the companies of the sector with the environment, etc.
- To attract the interest of teachers and students for the new model of sustainable construction.
- To promote equality, as well as a greater integration of people with disabilities.
- To favour greater mobility among the different European countries of the future

Action 2: Comprehensive planning of investments to be made in public buildings

Progress made

Phase 1. Identification of sector needs by professional family – **finished**

Phase 2. Identification of interested companies and educational centres - **finished**

Phase 3. Support to educational centres and teachers for the presentation of projects – **on going**

Phase 4. Promotion of projects among students – **on going**

Phase 5. Starting up of dual vocational training – **on going**

II Jornadas Andaluzas de
Formación Profesional
Noviembre 2018

PROVINCIA	FECHAS NOVIEMBRE	FAMILIAS PROFESIONALES	PRIORIDAD RIS 3	ASISTENTES
Sevilla	5-6	<ul style="list-style-type: none">- Electricidad- Fabricación Mecánica- Instalación y Mantenimiento- Edificación y Obra Civil- Energía y Agua	<p>P2. Industria avanzada vinculada al transporte</p> <p>P7. Energías renovables, eficiencia energética y construcción sostenible</p>	Total: 280 Hombres: 225 Mujeres: 55



Action 3: A more professional sector by enabling better training and education

Policy Change

Has the project succeeded in influencing this policy instrument?

- Yes. Two Dual Vocational projects have been launched in collaboration with **AFAR and PLACO**
- The funding source for the investment is the ERDF, Andalusian Operational Programme for investments for jobs and growth, 2014-2020. Objective T.O. 4. Priority Line 4.c, which is the policy instrument addressed



SISTEMAS PRODUCTOS SOSTENIBILIDAD SERVICIOS HERRAMIENTAS NOSOTROS

LA FP DUAL, HERRAMIENTA PARA MEJORAR LA COMPETITIVIDAD DEL SECTOR DE LA CONSTRUCCIÓN

Action 3: A more professional sector by enabling better training and education



Stakeholders

- **Andalusian Energy Agency (AEA)** – to plan, coordinate and promote the objectives set.
- **Regional Ministry of Education (Directorate General for Vocational Training and Education), of the Andalusian Regional Government.**
- **Social and economic agents, as well as specialised entities and companies of the construction sector :**
 - **Social agents (trade unions).**
 - **FADECO - Andalusian Federation of Construction Companies**
 - **The Sustainable Construction Cluster of Andalusia**
 - **The Construction Labour Foundation.**

Were the relevant stakeholders actively involved in phase 2? **Yes**

Did you carry out specific measures to keep them interested? **Yes . Regular meetings**



Action 3: A more professional sector by enabling better training and education

Impact

Beyond the above policy impact, are there any unexpected achievements of the project? **No**



Action 4: Promotion of employment related to sustainable construction

Description

The objective is to design a complete action that responds to the needs of employment generation and the integration of the most disadvantaged groups in the sustainable construction sector, with special attention to the participation of women in this sector.

In particular, **this action aims to create a network of entrepreneurs** who develop their activity around the following areas of opportunity:

- **Eco-efficient solutions** linked to improve the energy efficiency, the use of renewable energies or the use of local and natural material with low carbon footprint in the construction.
- **Energy managers** which transposes the Directive 2012/27/EU.
- **Integration of innovative solutions in construction** for energy improvement or energy monitoring in construction and rehabilitation works.



Action 4: Promotion of employment related to sustainable construction



Progress made

Phase 1. Detection of concrete opportunities for entrepreneurship in the field of sustainable construction and identification of successful initiatives: celebration of five meetings with industry experts.

Finished.

Phase 2. Preparation of information and material for the promotion of the Network. Offer of services, which includes technical support to the enterprise. **On going**



Phase 4. Network launch. Promotion and initiation of the recruitment of new initiatives of entrepreneurship and development of the "Project to promote the employment of women in specific areas of sustainable construction". **On going**

Phase 5. Enterprise support services for companies of the network and accompanying measures to encourage the recruitment of women. **On going**



Action 4: Promotion of employment related to sustainable construction

Policy Change

Has the project succeeded in influencing this policy instrument?

- Not yet.
- Main Reason: The Network has not been launched yet

Territorial effect: Any information on possible improvement in the territorial situation ?

Not yet because the project has still not been implemented



Action 4: Promotion of employment related to sustainable construction

Stakeholders

- **Andalucía Emprende, Fundación Pública Andaluza** in collaboration with the **Andalusian Energy Agency**. All these entities are assigned to the Andalusian Regional Government.
- Collaboration will also be made with the **Andalusian Institute of Women** and the **Andalusian Employment Service**.
- **Social and economic agents** (Spanish trade unions as UGT- and CC.OO., and the Confederation of Entrepreneurs), as well as the **specialised entities and companies** of the construction sector.

Were the relevant stakeholders actively involved in phase 2? **Yes**

Did you carry out specific measures to keep them interested? **Yes . Regular meetings**



Action 4: Promotion of employment related to sustainable construction

Impact

Beyond the above policy impact, are there any unexpected achievements of the project? **No**



Action 5: Promoting innovative solutions for sustainable construction



Description

Innovation constitutes a basic pillar of the Sustainable Construction Plan of Andalusia referred to previously. Specifically, the Sustainable Construction Plan aims to make Andalusia a reference in innovation in sustainable construction.

On the other hand, the **Andalusian Smart Specialisation Strategy**, which includes sustainable construction within its 8 priorities, defines the lines of action in the innovation field for this sector.

The objective of this measure is the design of a more complete action that helps to achieve the objectives included in the Sustainable Construction Plan and in the Andalusian Smart Specialisation Strategy.



Action 5: Promoting innovative solutions for sustainable construction



Progress made

Phase 1: Integrating the Dominium system into the current legislative framework – on going

Phase 2: Light prefabrication of low-cost housing, advanced manufacturing for new construction elements. Possible collaborations with the UK company Totally Modular Ltd to implement these solutions in Andalusia -- **on going**

Phase 3: Elaboration and implementation of a roadmap, which includes the start-up of initial demonstration projects and pilot projects through innovative public procurement. The development of this measure will count on the actions already planned in the framework of the Partnership on Sustainable Building, such as the creation of a network of Living Lab-based laboratory to foster energy efficiency and energy sufficiency of large panel building systems -- **on going**



Action 5: Promoting innovative solutions for sustainable construction

Policy Change

Has the project succeeded in influencing this policy instrument?

- Not yet.
- Main Reason: all phases are on going

Territorial effect: Any information on possible improvement in the territorial situation ?

Not yet because the project has still not been implemented



Action 5: Promoting innovative solutions for sustainable construction



Stakeholders

- **Andalusian Energy Agency (AEA)** – to plan, coordinate and promote the objectives set.
- **Andalusian Agency of Knowledge**, entity of the Regional Government, assigned to the Regional Ministry of innovation, and in charge of the development of the regional plans in the innovation area.
- **IDEA Agency** – entity of the Regional Government, responsible for the development of the Andalusian Smart Specialisation Strategy
- **Sustainable Construction Cluster of Andalusia**
- **FADECO**

Were the relevant stakeholders actively involved in phase 2? **Yes**

Did you carry out specific measures to keep them interested? **Yes . Regular meetings**



Action 5: Promoting innovative solutions for sustainable construction



Impact

Beyond the above policy impact, are there any unexpected achievements of the project? **No**

