

Dear colleagues,

I wish all is fine with you.

Below you'll find information regarding a partner search profile belonging to one Andalusian Public body that is preparing a project proposal to be submitted to the Green Deal call Topic 4.1 "Building and renovating in an energy and resource efficient way". The Andalusian Agency belongs to the regional government of Andalusia and works in the field of Housing and Rehabilitation..

Its main lines of action are the following:

1. Land promotion
2. Promotion of social housing
3. Public spaces and equipment
4. Management of the Andalusian Public Housing Park
5. Urban Rehabilitation

This Agency manages the largest Public Housing Park in Spain, and one of the largest in Europe, with more than 80,000 houses in different management regimes and has the capacity to accommodate more than 350,000 people. It employs about 580 people, with diverse specializations (urbanism, building, social work) and has work centers in all provinces as well as in specific locations and neighborhoods. It is involved in a large number of projects, having developed 131 projects in 99 municipalities, including business parks, business innovation parks and technology parks, contributing to the economic development of the region.

Project information

The project responds to the need to materialize and make visible in an integrated way the most advanced and successful technological, social, financial and management innovations developed in recent years in Europe, through two examples of urban actions that select, integrate and adapt to local particularities these advances, so that they can be more easily replicated.

The actions will be carried out in two different European climate zones, one of them in Andalusia.

The project will explore all the possibilities of physical intervention in the two urban areas under intervention: rehabilitation, new construction, demolition and rebuilding, re-densification of buildings, collective air conditioning systems, systems for sustainable mobility, etc.

Ortaklık teklifinin çalışma alanlarınız ile uygun olması ve ilgilenmeniz durumunda ilgi bildirim formu hazırlamanız ve bizimle iletişime geçmeniz gerekmektedir. KTÜ Teknoloji Transferi Uygulama ve Araştırma Merkezi ilgili süreçte sizleri ortak arayışında bulunan kurum/kuruluş ile eşleştirip proje ortaklığı konusunda müzakere başlatmanıza destek olacaktır.

The actions are expected to incorporate measures such as:

- The energy rehabilitation of social housing,
- The construction of a social housing building of almost zero energy consumption by means of industrialized modular construction and the application of BIM methodology,
- The construction or rehabilitation of a non-residential building to equip and furnish the area (community coworking space),
- Energy collective systems,
- infrastructure for sustainable mobility.
- Intervention in public space with bioclimatic measures,
- Agro-ecological gardens

The implementation of the project will involve the development of the following components:

- An innovative toolbox for urban intervention, catalogued according to what requirements must be given for its applicability. The toolbox will include solutions for social innovation, technological innovation, financial and management.
- A methodology and a guide for the diagnosis of urban areas to identify problems and opportunities as well as possible risks and threats, including the effects of pandemic situations and climate change.
- An expert system that allows the identification of possible innovative solutions to be applied, the design of the actions to be executed, the simulation of their effects and behaviour by means of digital twins, and the monitoring of their subsequent operation, offering data on the whole area. This system will take into account both the toolbox and the methodology and guidance for diagnosis.

Project consortium and partners sought: The Andalusian Public Agency will lead de project.

On the one hand it has the capacity to physically materialize urban intervention actions because it owns land on which to build and houses to rehabilitate in many urban areas throughout Andalusia. On the other hand, it has the ability to reach agreements with municipalities to make integrated actions viable. It also has extensive experience in building, rehabilitation and integrated actions, as well as extensive experience in energy rehabilitation innovation projects. He is currently working on a project for the public purchase of innovation to design a tool that allows the design of industrialized buildings with almost zero energy consumption.

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Partner profiles sought:

- Partner for the physical execution of urban intervention in another European climate area, with the capacity to build, rehabilitate and intervene in an urban area in an integrated manner.
- Partners for the identification, cataloguing and standardization of good practices of urban intervention based on innovation in energy efficiency in building, industrialized construction, financing, management and governance, participation.
- Partners for the design of integral methodologies in the diagnosis of urban areas, identifying potential, weaknesses and risks.
- Partners for the design of expert systems, BIM, digital twins, urban modelling, simulation and monitoring systems.
- Partners with experience in formulation and management of European projects related to urban and environmental sustainability policies.

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