



PARTNERSHIP OF EUROPEAN REGIONS ON ENERGY EFFICIENCY IN BUILDINGS

*Towards the decarbonisation of
buildings in Europe*

Region: Andalusia (Spain)

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Context

BUILDING SECTOR

Largest energy consumer
in Europe (40% of the
total EU)

Significant potential to improve the
energy efficiency of the existing
building stock

Many houses belong to low-income
citizens



CO2: 36%
(of the total EU)

75% of European homes are
inefficient from an energy
standpoint

Energy poverty



EUROPE 2020 STRATEGY

- Directive 2010/31/EU, on the energy performance of buildings
- Directive 2012/27/EU on energy efficiency,
- Directive 2010/30/EU on the consumption of energy by energy-related products

Context

PREVIOUS COOPERATION

REGIONAL



**SUSTAINABLE
CONSTRUCTION**
Programme in Andalusia



Objective: to promote the **energy rehabilitation of buildings, urban rehabilitation**, improve the **competitiveness** of companies of the construction sector, create skilled employment and reduce energy poverty.

How?: combination of economic measures and other actions such as regulatory, training, fiscal, and awareness raising measures, as well as administrative simplification measures.

More than 70 experts from different disciplines (professionals, economic and social agents, technological institutions, universities, ...) actively worked together by pooling knowledge and experience.

INTERREGIONAL

BUILD2LC
Interreg Europe



Objective: to increase the energy rehabilitation of buildings to reduce energy consumption and enhance policies to favour the creation of a market of specialised companies in this sector.

How ?

- Facilitating that citizens undertake **energy rehabilitation** activities.
- Promoting the **competitiveness** of the business network.
- Improving the **skills of workers**.
- Encouraging **innovative solutions**.
- **Eliminating barriers** that impede the rehabilitation of buildings.

7 European regions from ES, LT, UK, PL, HR, SL SE

CHALLENGES AND OPPORTUNITIES

Context

Sustainable Construction

- **Challenge:** Changing the current model to a **new model** that combines the **efficient use of energy, environmental protection, balanced urban development, social cohesion, productive competitiveness and innovation, quality employment** through participation of the entire value chain.

Making sustainable construction as a motor for economic growth and the generation of employment

Promoting rehabilitation as an opportunity to shape more sustainable cities and generate a specialised productive network

Placing the citizen at the centre of the demand, paying special attention to the vulnerable groups

Making Europe a reference in innovation in the field of sustainable construction

Favouring an appropriate regulatory framework, in line with the principles of sustainable construction

Objectives and added value

OBJECTIVES

Strengthening of the business network related to the energy efficiency and renewable energy in buildings, reformulating the business models of companies of this sector toward new processes, products and services, **generating value proposals for citizens.**

Generation of quality employment, with appropriate qualifications and accreditation procedures at European level, oriented towards new market niches generated around sustainable construction; **and quality offers** that maximise the benefits on the environment and on people.

Promoting innovation and technological development associated with energy saving and efficiency and the use of renewable energy in buildings, favouring the development of innovative solutions throughout the value chain, from the initial design of a building to the end of its useful life.

Elimination of the **barriers to the development of energy efficiency in buildings**, to achieve the maximum environmental protection and welfare of people.

Open questions to the Partnership:

- Are these objectives shared with the Partnership?
- Would it be recommendable to add or remove any objectives?
- Should the Partnership focus on only one of the objectives or all of them?

How to achieve the objectives ?

STRENGTHENING OF BUSINESSES NETWORK RELATED TO THE ENERGY EFFICIENCY AND RENEWABLE ENERGY IN BUILDINGS

- Encouraging the **exchange of successful experiences** in the generation of new business models associated with energy efficiency in buildings.
- Promoting the **creation of business partnerships** throughout the value chain, as well as interregional consortias that address projects at the European and international level.
- Facilitating the **access of SMEs to international platforms** where the Partnership is present, as well as in appropriate forums of interaction with companies.
- Facilitating the anticipated **adaptation of SMEs to the new EU guidelines**
- Promoting the **brand image of the regions of the Partnership** and their companies as reference for sustainability and the efficient use of resources

Open questions to the Partnership:

- Are these actions shared with the Partnership?
- Would it be recommendable to add or remove any actions?
- Which agents should be involved? How should they be involved?
- Is there a region interested in leading this topic?

How to achieve the objectives ?

GENERATION OF QUALITY EMPLOYMENT AND OFFERS

- Identifying **new niches of activity which can generate quality jobs** around energy efficiency in buildings; in particular, those related to regional S3.
- Encouraging the **homologation at European level of new professional profiles**, which facilitate the development of the opportunities in new market niches beyond regional boundaries.
- Promoting the **development of standardised evaluation systems at European level** and verification systems of energy efficiency.
- Facilitating the **exchange of successful solutions at European level**, which maximise benefits on the environment and on people.
- Promoting at European level the **synergies with other sectors**, such as sustainable tourism, small businesses or industrial ecology..

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How to achieve the objectives ?

PROMOTING INNOVATION AND TECHNOLOGICAL DEVELOPMENT

- Promoting the **maximum use of innovation capabilities of the companies and agents of the system of knowledge** of each region through interregional cooperation and exploitation of synergies
- Facilitating the **access of innovative companies and agents of knowledge to European and multinational programmes** in which the Partnership is present.
- Promoting **interregional collaboration for the development of innovative low-cost solutions** for vulnerable groups.
- Boosting the **exemplary role of public authorities** for the implementation of innovative solutions in their buildings.
- Promoting the **realisation of innovative strategic projects and initial demonstration projects involving** different regions

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How to achieve the objectives ?

ELIMINATION OF THE BARRIERS TO THE DEVELOPMENT OF THE SECTOR

- Articulating **effective mechanisms of interregional cooperation for the elimination of the main barriers** identified at the regional.
- Presenting the **proposals of the Partnership** for the elimination of barriers **that require actions at European level** to decision-making bodies of the EU institutions.
- Proposing the **development of norms and voluntary standards** that include aspects related to environmental protection and quality of life of people.
- Contributing **to a definition at European level of energy poverty**, considering the climate, cultural, real estate and social heterogeneity of European regions.
- Contributing **to the definition of a European roadmap** to facilitate an orderly transition toward the new paradigm of **nearly zero energy buildings**

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Methodology

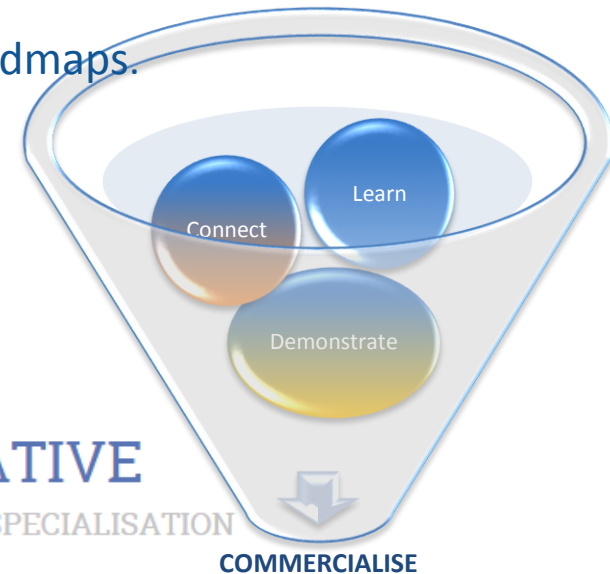
The methodology, similar to Vanguard Initiative, has had a logical evolution that has been based on the following points:

- Discussion of common objectives and find complementarities between regions.
- Better understanding of regions' industrial competencies and capabilities.
- Development of joint strategic action plans.
- Aligning regional strategic investments arising from these roadmaps.



VANGUARD INITIATIVE

NEW GROWTH THROUGH SMART SPECIALISATION



Next steps

- **Sending of roadmap** to those regions interested in joining the Partnership in order to identify common objectives of the participating regions
- Setting-up the different **working groups** led by regions
- Formal **presentation of the road map**, once the roadmap has been agreed upon and the working groups have been set up
- **Start of the actions foreseen** in the roadmap, adding a possible timetable for the development of specific projects

Open questions to the Partnership:

- Are these actions shared with the Partnership?
- What actions/channels should be used for the identification of other interested regions?
- What regions could lead the topics mentioned before?

Next steps. Key elements

- **Mobilisation of other actors** of the value chain and integration in the Partnership: industry, research centres
- **Positioning of the Partnership** in the European landscape.
- Identification of **financing sources and programmes** (ERDF OP 2014-2020, ESF OP, and European territorial cooperation programmes: Interreg, MED, TAIEX....) in the different fields: training, innovation, business promotion, environmental and citizen protection.
- **Accelerate the implementation of innovation projects** as a result of the roadmap.

Open questions to the Partnership:

- How to mobilise other actors?
- What initiatives / platforms / at European level would be interesting for the Partnership?
- Are there already proposals for the implementation of innovation projects?

Resources

PHASE	Task	Resources
LAUNCH	<i>Mailing to interested regions</i> informing them of the Partnership and inviting them to adhere to it	The actions will be carried out in coordination with IPTS, responsible for the initial mailing and sending of the roadmap.
	<i>Mailing of the roadmap</i> to interested regions.	
	<i>Receipt of comments</i> from the interested regions. Evaluation, and if applicable, modification of the roadmap.	
	Organisation of the meeting to launch the Partnership and present the roadmap and Positioning in the European landscape.	
LEARN	Elaboration of specific questionnaires for the collecting of information in the area of value chains, businesses, innovation ecosystem, professional specialisation and norms of environmental protection	Technical assistance will be required for the design of the questionnaires, the processing of all the information received from the regions, as well as to complement the information not provided by the regions.
	<i>Mailing of questionnaires</i> to interested regions.	
	<i>Integration and analysis of all the information</i> received.	
	<i>Completion of the information</i> with external sources and elaboration of a final report.	
CONNECT	Organisation of regional workshops.	Support will be required in the organisation and financing of events promoted by the Partnership.
	Participation in associations, networks, clusters and platforms at European level.	
	Organisation of meetings with European institutions.	
DEMONSTRATE	Implementation of pilot projects and demonstrative experiences in the different specialisation fields of the Network.	In each case the funds will be sought in European financing programmes in the different fields
	Development of standards in different specialisation areas of the Network.	
DISSEMINATION	Participation in events and discussion forums in representation of the Partnership	External support