



Agencia Andaluza de la Energía
CONSEJERÍA DE EMPLEO, EMPRESA Y COMERCIO

PARTNERSHIP OF EUROPEAN REGIONS ON ENERGY EFFICIENCY IN BUILDINGS

*Towards the decarbonisation of
buildings in Europe*

Region: Andalusia (Spain)

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BUILDING SECTOR

Context

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

PREVIOUS COOPERATION

REGIONAL

Context



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.

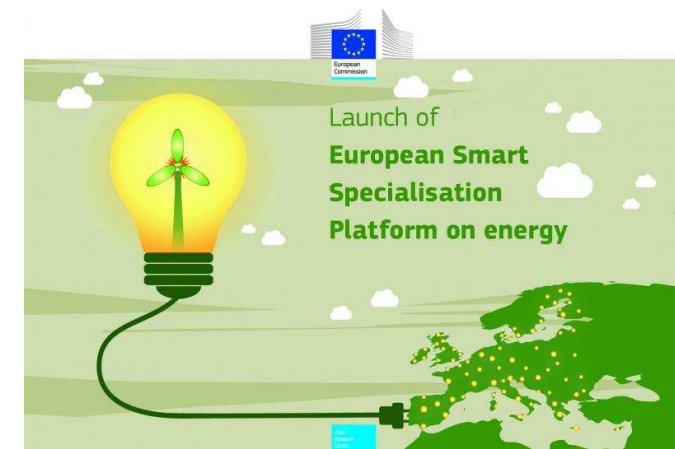
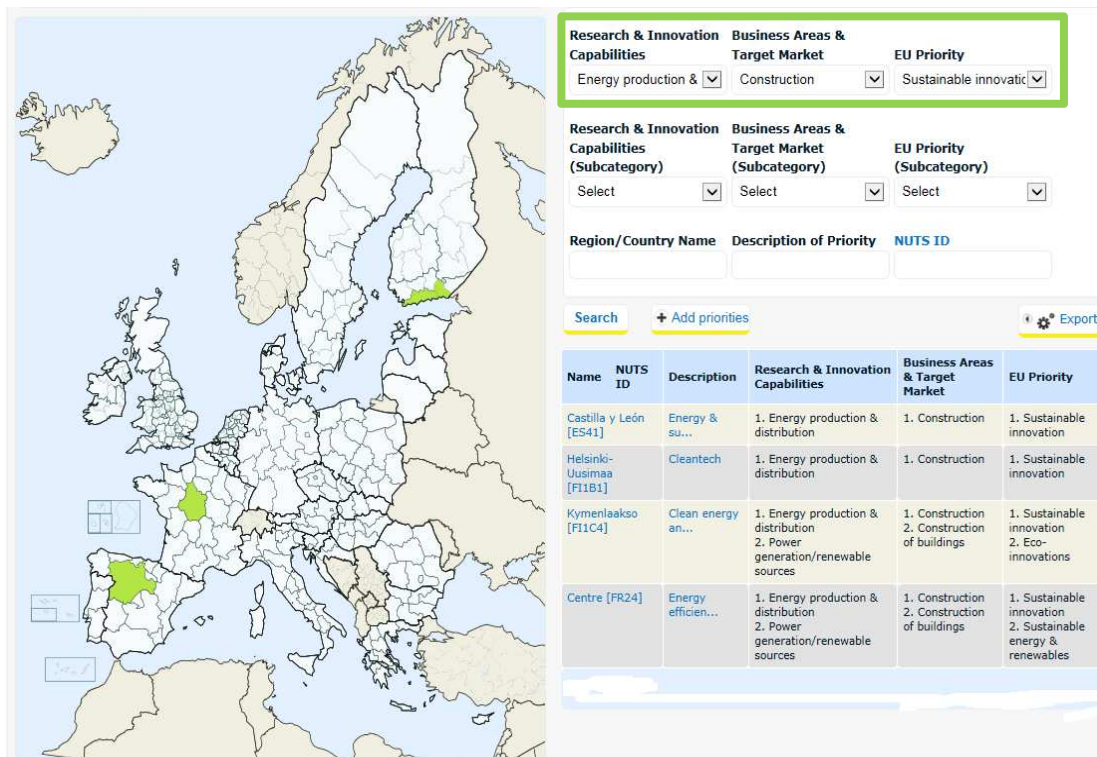
PREVIOUS COOPERATION

INTERREGIONAL

Context

Map of Smart Specialisation: Eye@RIS3

<http://s3platform.jrc.ec.europa.eu/>.



Towards a Model of Sustainable Construction and Energy Efficient Buildings.



S3 Energy Partnerships

PREVIOUS COOPERATION

INTERREGIONAL

Context

BUILD2LC: Boosting low carbon innovative building rehabilitation in European regions



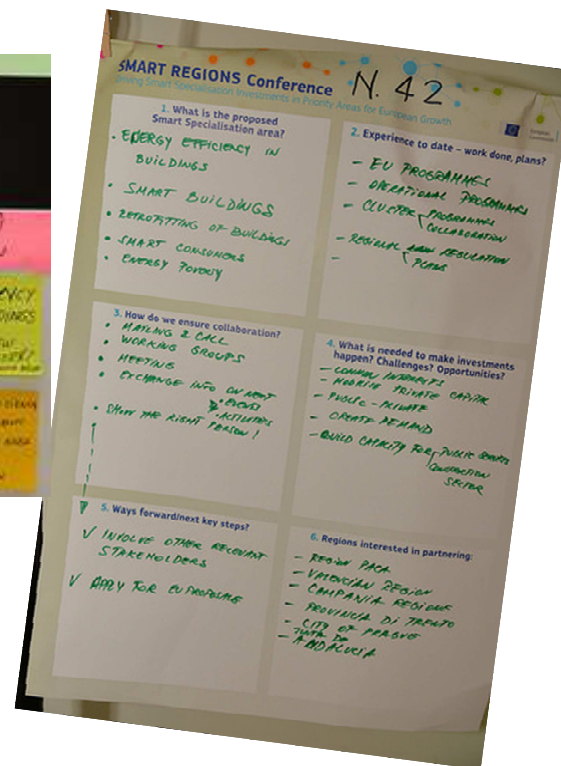
Total budget: **1.658.987 €**
Co-financing: **274.341,85 €**
ERDF contribution: **1.384.645,15 € (83,4%)**

EXTENDING COLLABORATION TO OTHER REGIONS

Context

SMART REGIONS Conf..

SMART REGIONS Conference-1-2 June 2016 – Square, Brussels



CHALLENGES AND OPPORTUNITIES

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

Objective and scope

Improving the **energy efficiency of buildings in Europe** through interregional collaboration between public and / or private entities, with the aim of **promoting the development of innovative solutions throughout the value chain**, associated to energy saving and the use of renewable energy in buildings

Considering not only the **energy efficiency of equipment and installations, but also innovations in new materials, components and construction solutions** that minimise the energy consumption during manufacture, assembly and operation, as well as **new services** that facilitate in the deployment of these solutions

The actions should also seek the **consolidation of a business network and the generation of new business and employment opportunities** aimed at creating value around energy efficiency and the implementation of renewable energy in buildings

It should focus on those solutions that seek the **maximum environmental protection and the quality of life of people**, with special attention to the design of low cost solutions aimed at the **most disadvantaged groups**



Keys to Interregional collaboration





Preferential working lines

Eco Construction, Bioclimatism and thermal insulation.

Renewable integration in buildings

Systems and equipment of maximum energy efficiency (lighting, air conditioning etc.)

Methodology

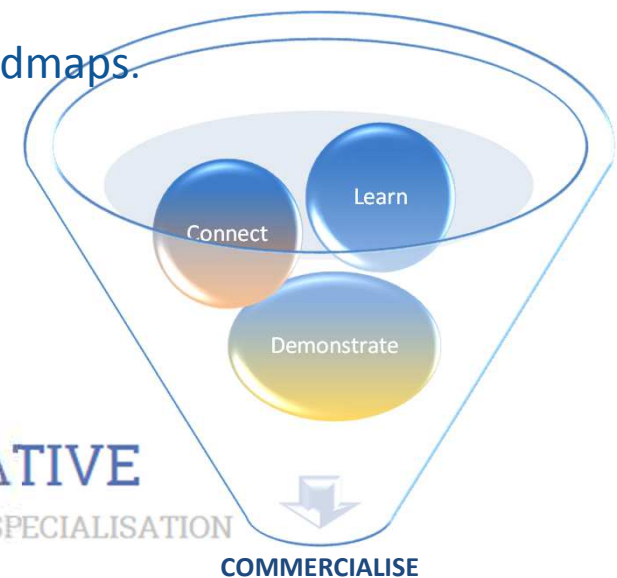
The methodology, similar to Vanguard Initiative, has had a logical evolution that has been based on the following points:

- 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





Interested Regions

Region	Country	Entity
Andalusia	Spain	Andalusian Energy Agency (AAE) (leader)
Asturias	Spain	Asturian Energy Foundation (FAEN)
Cataluña	Spain	Catalan Energy Institute (ICAEN)
Extremadura	Spain	Extremadura Energy Agency (AGENEX)
Valencia	Spain	Construction Cluster of Valencia
Gorenjska	Slovenia	Local Energy Agency of Gorenjska (LEAG)
South Transdanubian	Hungary	South Transdanubian Regional Development Agency (STRDA)
Prague	Czech Republic	Prague City Hall
Algarve	Portugal	Regional Energy and Environment Agency of Algarve (AREAL)
Campania Region	Italy	Campania Regional Government
North West Region	Croatia	North-West Croatia Regional Energy Agency (REGEA)
Rzeszow Region	Poland	Rzeszow Regional Development Agency (RRDA)

Next steps

- Identification of European regions interested in joining the Partnership. Sending of roadmap to those regions interested in joining the Partnership in order to identify common objectives of the participating regions
- Definition of the themes and working groups. Setting-up the different working groups led by regions
- Involvement of the different regional actors in previous working groups
- Elaboration of a map of capacities of the participating regions, as well as the main regional actors that could participate in the partnership
- Matchmaking event, different events will be organised that will allow the different regional actors to work together in order to advance in the possible projects
- Identification of concrete projects,
- Search for funding for proposed projects
- Implementation of the projects



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.



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