

# SUSTAINABLE ENERGY WEEK

13-17 June 2016

## Smart Specialisation in Energy

How European regions are  
implementing their priorities?

Sustainable  
Construction priorities in  
7 EU regions



BUILDING THE ENERGY UNION TOGETHER



**SUSTAINABLE  
ENERGY WEEK**

An initiative  
of the



European  
Commission

# Andalusia

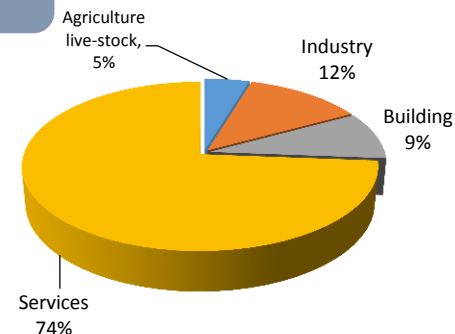
Area  
87.597 km<sup>2</sup>

Population  
(2014) 8.392.635

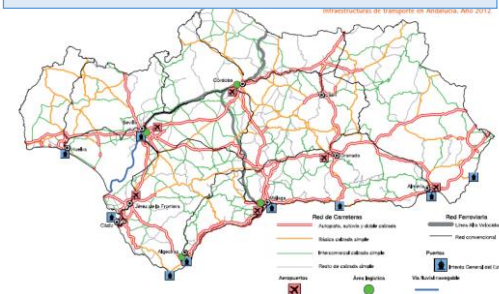
Transition Region

Nº of companies  
(2013) 472.370

83% qualified  
working  
population  
34,2 % university  
graduates



**Excellent communication  
networks**



**Total spending R&D /GDP 1,1%  
Private sector 36,3 %**

**GDP 16.666 € pc (2013)  
73% pc EU 27 (2011)**

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# Why a Sustainable Construction is a priority Andalusia?

**Objective and regulations of the EU:** Specialisation in energy saving and efficiency and use of renewable energies.

Relevance of the **construction sector:** 8.5% GVA and 5% employment, major energy consumer.

Potential **energy saving and efficiency in building stock.**

Urgent need to **boost** the sector with **all available means.**

Agreement for **Social and Economic Progress** of Andalusia.



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# Initiatives in the framework of the RIS3 Programme to Promote Sustainable Construction



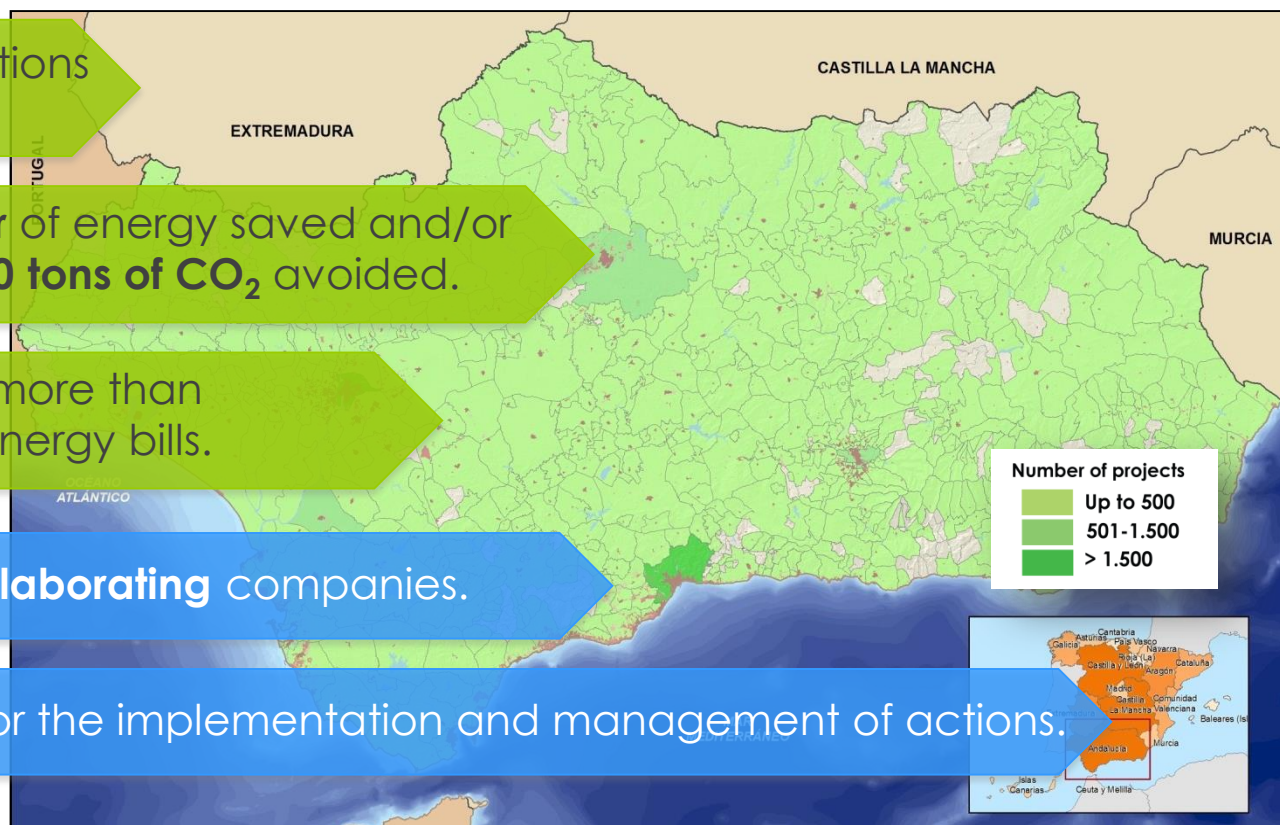
More than **36,000** actions implemented.

Near **36,000 toe/year** of energy saved and/or diversified and **85,000 tons of CO<sub>2</sub>** avoided.

Economic saving of more than **280 million euros** in energy bills.

More than **8,300 collaborating** companies.

**17,000 direct jobs** for the implementation and management of actions.



Number of projects

- Up to 500
- 501-1.500
- > 1.500

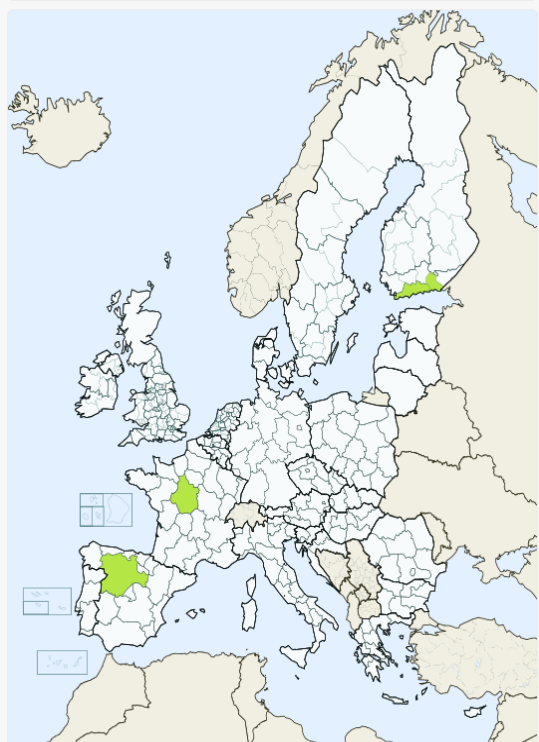
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# Construction of a European partnership

Mapa de Especialización Inteligente: Eye@RIS3  
<http://s3platform.jrc.ec.europa.eu/>.



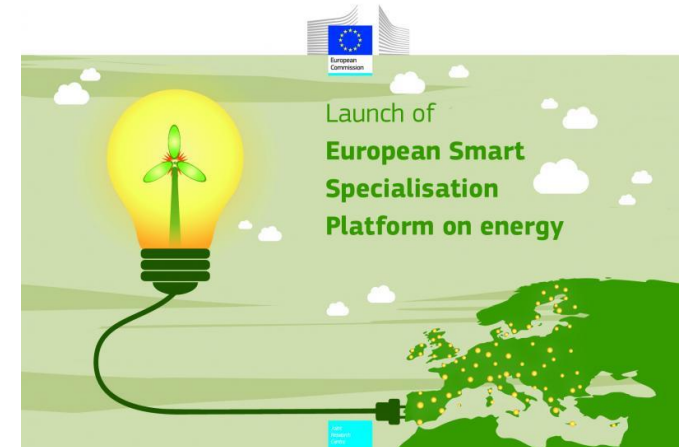
Research & Innovation Capabilities: Energy production & ☒ Business Areas & Target Market: Construction ☒ EU Priority: Sustainable innovat ☒

Research & Innovation Capabilities (Subcategory): Select ☒ Business Areas & Target Market (Subcategory): Select ☒ EU Priority (Subcategory): Select ☒

Region/Country Name: Description of Priority: NUTS ID:

Search + Add priorities Export

Name	NUTS ID	Description	Research & Innovation Capabilities	Business Areas & Target Market	EU Priority
Castilla y León [ES41]		Energy & su...	1. Energy production & distribution	1. Construction	1. Sustainable innovation
Helsinki-Uusimaa [FI1B1]		Cleantech	1. Energy production & distribution	1. Construction	1. Sustainable innovation
Kymenlaakso [FI1C4]		Clean energy an...	1. Energy production & distribution 2. Power generation/renewable sources	1. Construction 2. Construction of buildings	1. Sustainable innovation 2. Eco-innovations
Centre [FR24]		Energy efficien...	1. Energy production & distribution 2. Power generation/renewable sources	1. Construction 2. Construction of buildings	1. Sustainable innovation 2. Sustainable energy & renewables

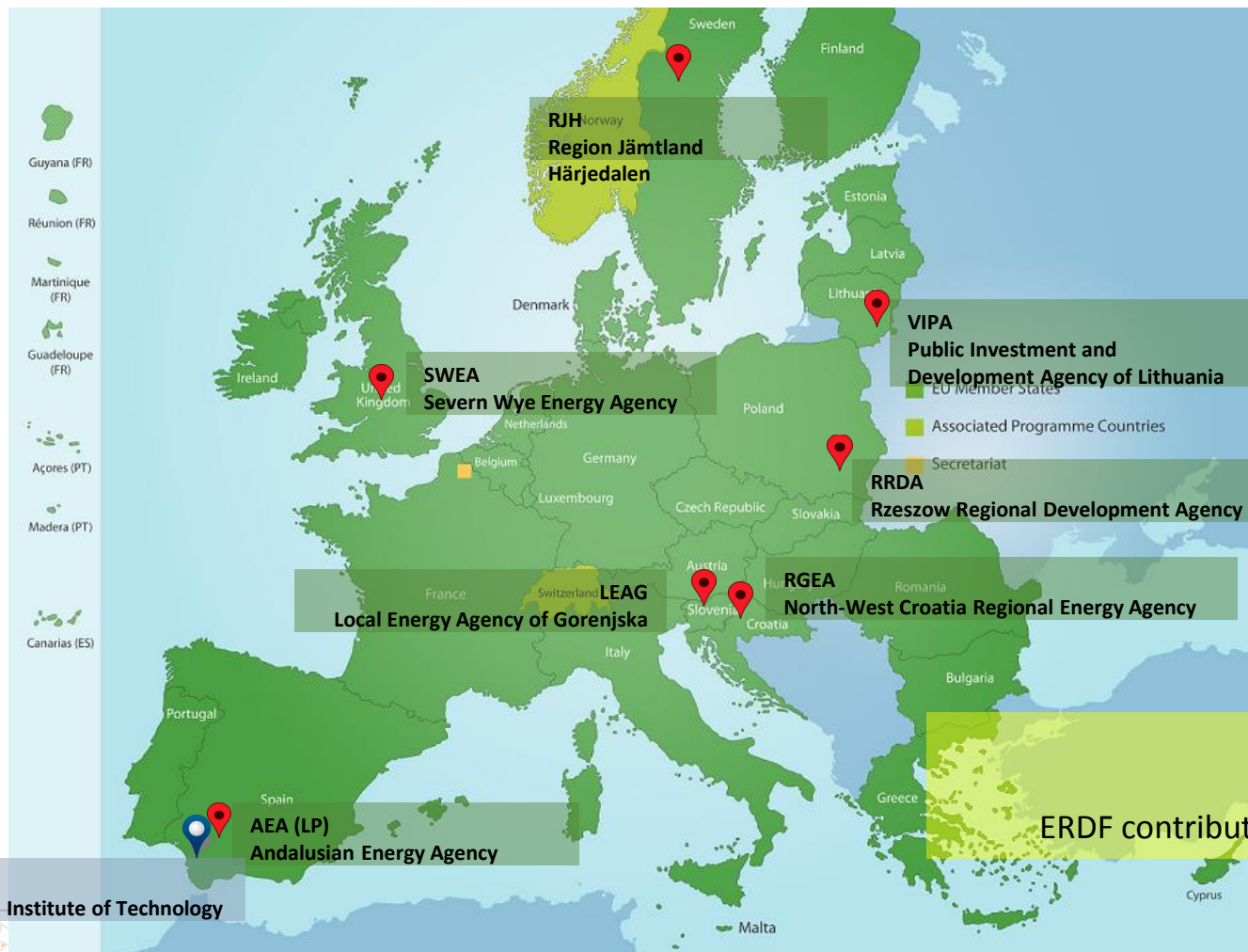


Towards a Model of Sustainable Construction and Energy Efficient Buildings.



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# BUILD2LC: Boosting low carbon innovative building rehabilitation in European regions



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## Objective:

*To increase the energy rehabilitation of buildings to reduce energy consumption and enhance policies to favour the creation of a market of specialized companies in this sector.*

- Encouraging the demand and promotion of investments, facilitating that citizens undertake energy rehabilitation activities.
- Promoting the competitiveness of the business network: reformulating business models (ESCos) and integrating all actors in the value chain of the energy rehabilitation sector.
- Improving the skills of workers aimed at new market niches of energy rehabilitation of buildings.
- Encouraging innovative solutions, the use of new materials, boosting public procurement, and the cooperation between companies and knowledge institutes.
- Eliminating barriers that impede the rehabilitation of buildings, especially those of a normative or administrative nature.





# BUILD2LC

## Start of the activities



Partners at the Plenary room of the Andalusian Regional Parliament



Fresnel concentrated solar power plant for cooling at the Higher School of Engineers, Sevilla University

Very low enthalpy geothermal HVAC installation at the Andalusian Regional Parliament



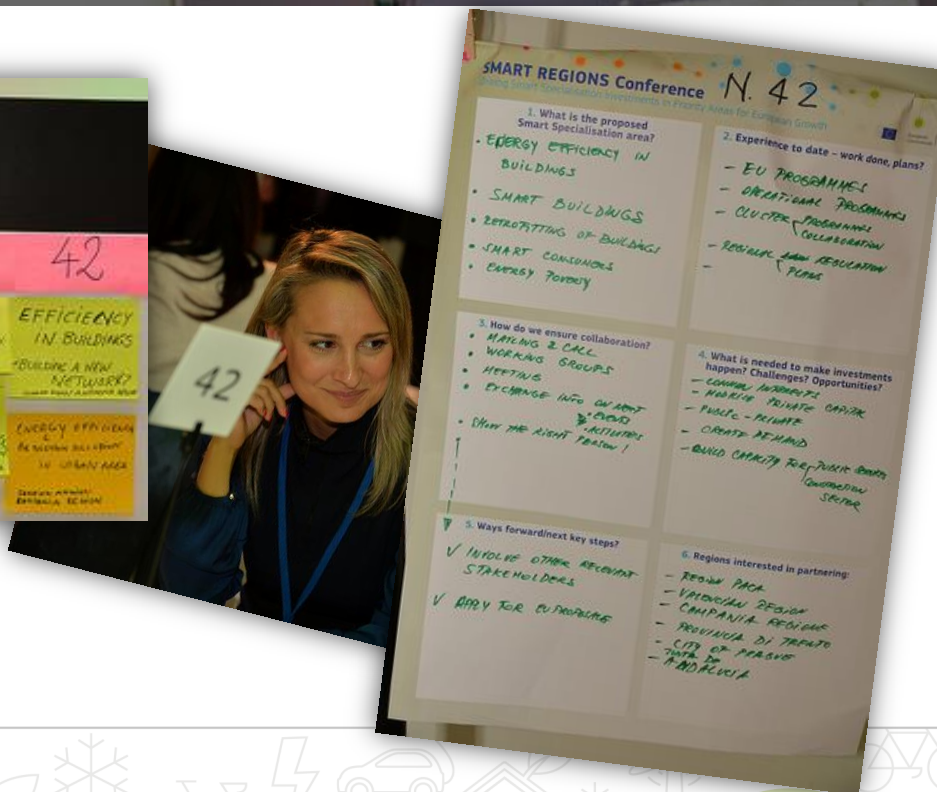
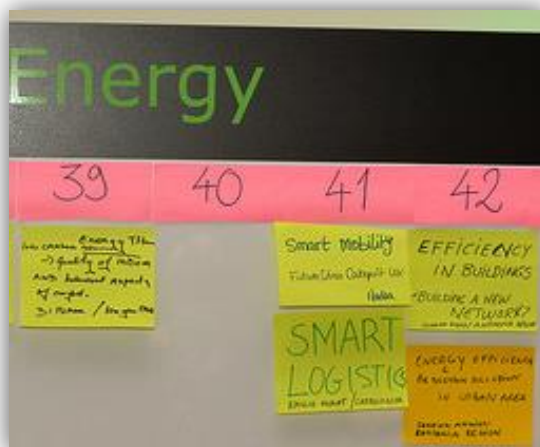
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# Extending collaboration to other regions

## SMART REGIONS Conf..

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



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## SUSTAINABLE CONSTRUCTION in Andalusia



Living  
Andalusia 

Thank you very much  
for your attention

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European Union

European Regional  
Development Fund



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