



"Smart Cities and Communities programmes and activities in the region of Castilla y León"

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INSTITUTE FOR BUSINESS COMPETITIVENESS OF CASTILLA Y LEÓN

Brief Presentation of Castilla y León – Main Features



▪ Land:

Castilla y León, with **94,227 km² (Spain 505,370 km²) of surface** (18.6% of the Spanish territory), is the third largest Region in Europe; larger than 16 MS.

▪ Local administration:

It is structured in 9 provinces and 2,249 city and town councils (almost 30% of the existing ones in Spain). It shares border with 9 of the 17 Spanish Regions.

▪ Population

Castilla y León has **2,454,858 inhabitants** (2016), The average density in Castilla y León is aprox. **26 inhabitants / km²** 5, aprox. 92 inh/km² in Spain. In Castilla y León 24.33% of the population is over 65 years old.

▪ GDP per capita

24.330 € (2015) **Castilla y León** is considered a "more developed" and "moderate innovator" region at EU.

1.- European Innovation Partnership (EIP) Smart Cities and Communities (SCC).

TSSP Thematic Smart Specialisation Platforms

Leadership and participation in the Commitments, Action Clusters and Platforms.

2.- Regional Innovation: Smart Specialization Strategy (RIS3)

Regional Operational Programme (OP), support to R&i projects, energy efficiency, mobility, sustainability, ICT

3.- Castilla y León Strategy for Innovation, Entrepreneurship and Self-Employment -> Business Innovation Network) & Digital Innovation Hubs

Integration of theamics (energy, ICT, mobility, intercooperation,...)

4.- European Projects (FP7, H2020, Interreg, Life,...)

Promotioning the participation of Regional entities / municipalities / companies / stakeholders in European projects (SCC integrated approach and individual theamics)

→ EIP COMMITMENTS participation, ex.

European Innovation
Partnership (EIP) SCC
TSSP Platforms

CASTILLA Y LEÓN WORLD HERITAGE CITIES



53.286 Inhabitants
Tourism, Services
GDP per capita: 21.770 €



155.581 Inhabitants
University, Tourism, Services
GDP per capita: 21.879 €



59.258 Inhabitants
Tourism, Services
GDP per capita: 18.742 €

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World Heritage Smart Cities



→ ACTION CLUSTER participation: Integrated Planning
Policy and Regulations



→ EIP COMMITMENTS participation, ex.

SPARSELY POPULATED AREAS

NSPA ((Northern Sparsely Populated Areas) commitment (Finnish, Swedish and Norwegian regions) with partners from two sparsely populated regions of Spain (one of them Castilla y León).

Concept: small cities and towns as well as sparsely populated regions can contribute to the European Smart Cities and Communities Initiative.

For example:

Specific know-how related to cold urban environments, for instance in the field of heating and insulation of buildings.

Sustainable transport inside and between cities of sparsely populated areas is a common challenge.

Small cities in sparsely populated regions can provide excellent testing environments for smart urban solutions also for other European partners

→ EIP COMMITMENTS participation, ex.

SPARSELY POPULATED AREAS

CASTILLA Y LEÓN own initiative opinion on the EU RESPONSE TO THE DEMOGRAPHIC CHALLENGE COMMITTEE OF REGIONS

Finding solutions to Europe's demographic challenge is one of the CoR's political priorities and one of the main concerns in the Europe 2020 strategy.

CoR approved in its Plenary Session an own-initiative opinion presented by the President of the regional government of Castilla y León on the EU response to the demographic challenge.

The opinion, which was adopted unanimously by the representative members of the CoR, includes four sections:

- 1.- Demographic challenges faced by the European Union.
- 2.- Measures promoted by European regions and cities to address these challenges.
- 3.- Current response of the EU to this demographic change.
- 4.- Terms in which this answer could be more extensive and efficient to reach the priorities.



→ TSSP Thematic Smart Specialisation Platforms, ex.

Partnership description SME integration to Industry 4.0



Mission Statement

“Increasing Industrial Competitiveness in EU regions by raising awareness of Companies (SMEs) for -and demonstrating them the benefits of- Industry 4.0 solutions / technologies”

Rationale for public intervention

- The benefits of Industry 4.0 are still largely unknown to many companies (in particular SMEs)
- Technology uncertainty, missing competences and assets (e.g. skills) and high costs hamper the absorption of Industry 4.0 solutions by companies, and this is especially true for SMEs
- Very few regions have all Industry 4.0 competences / facilities on their ground



Key Modus of Public Intervention

Need for cross-regional coordinated action for “Combining complementary capabilities & competences from different regions to demonstrate and validate Industry 4.0 solutions in relevant industrial environments (via cross-regional projects)”

RIS3

Strategic Objectives

RIS3 Castilla y
León 2014 - 2020

I/ Reinforce a more competitive and sustainable economic model

II/ Advancing towards scientific and technological leadership in certain fields

III/ Improve internationalisation and outward vision

IV/ Promote multidisciplinary collaboration between agents

V/ Promote a culture of innovation and creativity

VI/ Getting ICT to become facilitator of change

Programs

Thematic Priorities

Agri-food and Natural Resources

Sectors of Transport such as Automotive and Aeronautics

Health and Social Care, Demographic Change and Wellbeing

Natural Heritage, Cultural Heritage and Spanish Language

ICT, Energy and Sustainability

P1. Business innovation and more competitive economy

P2. Excellent science and technological leadership

P3. Internationalisation

P4. Collaboration

P5. Innovative society

P6. Digital agenda for Castilla y León

Flagship Initiatives

Seven emblematic initiatives have been proposed for Castilla y León in the period 2018-2020

Circular
Bioeconomy



Social-Health
Innovation



Industry 4.0



Connected
Schools



Knowledge and
Competitiveness



Cybersecurity



Staircase of
Excellence

- Selected based on **installed capacities** or with **high growth potential** in the region, which also respond to European challenges.
- The objective is the **concentration of resources and instruments** around **initiatives with high visibility**.
- With the **participation of several Regional Ministries** and managing bodies

EUROPEAN PROJECTS

ENTREPRENEURSHIP

ENTREPRENEURSHIP AND FREELANCERS

Innovative

Inclusive and self-
employment

Social

Rural

Consolidation of
new companies
and self-
employment

INNOVATION

INNOVATION AND TECHNOLOGY TRANSFER

Business
Innovation

Technological
Leadership

Technology
Transfer

Spaces for
innovation

SECTORIAL SPECIALIZATION

Clusters

Industry plan 4.0

Bioeconomy

RURAL COMPETITIVENESS

Action plans in
rural areas

Advice in rural areas

Innovation and rural
competitiveness

Growth and
diversification of
rural enterprises

Special plan "Mining
Areas"

PUBLIC SECTOR

Regional Government,
Provincial councils ,
Local Administration,
Public Entities.

COMPANIES :

Leading Companies
SMEs,
Entrepreneurs and
Freelancers

OTHER FACILITATING AGENTS :

Economic and social
agents, Business
Associations,
Foundations

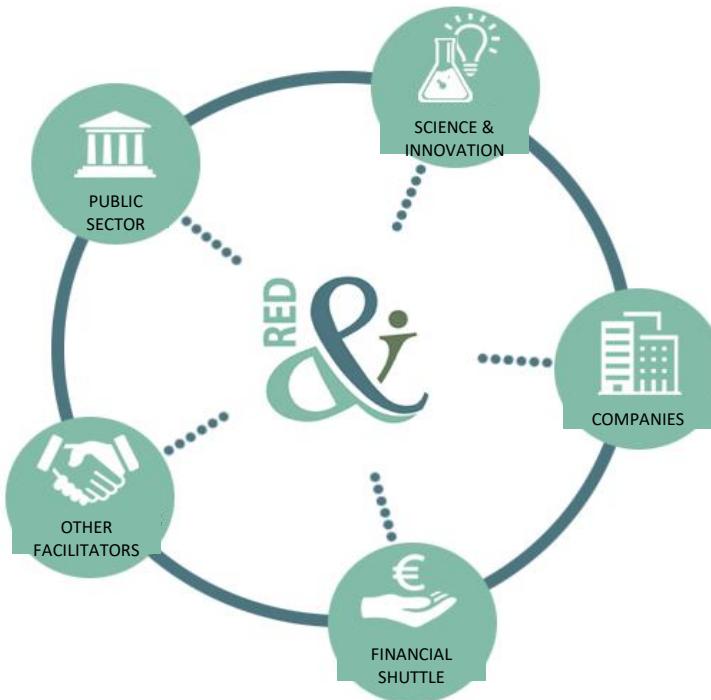
SCIENCE AND INNOVATION:

Universities, clusters,
Technology and
Research Centers.

FINANCIAL SHUTTLE

ENTREPRENEURSHIP AND INNOVATION NETWORK

Strategy /
Innovation
Network / DIH



WEB: <http://www.redei.es/>

- The Network seeks to generate a community open to entrepreneurship, talent and innovation through public-private partnerships, the strengthening of inter-sectoral relations, the interconnection of its partners to generate new value projects and the inclusion of innovation as a driver for any kind of entrepreneurship.
- More than 100 members



Traductor de Google x Digital Innovation Hubs - Smart x

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SMART SPECIALISATION PLATFORM

European Commission / Smart Specialisation Platform / Tools / Digital Innovation Hubs

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Digital Innovation Hubs

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Countries

None selected

Evolutionary Stages

All selected (2)

Technical Competences

None selected

Services Provided

None selected

Focus on TRL

None selected

Market sectors

None selected

SEARCH

Contact us in the following email: JRC-B3-

11:11
18/09/2018

Regional Support - Grants

→ TO THE INVESTMENTS

- Business creation
- Investment projects in SMEs
- Regional Incentives
- Business projects in Mining Areas



→ TO THE R&D&i

- Promotion of innovation in SMEs
- R+D projects
- Transfer of knowledge to SMEs
- Incorporation of ICT solutions in SMEs
- R&D Projects in ICT sector
- Strategic R&D Plans



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Applied R&D projects done by Technology Centers

- European R&D ERANET projects (Susfood, M-ERANet, Manunet y ERAMIN)

→ TO THE INTERNATIONALISATION

- International Expansion of SMEs



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Projects

Other Regional Programs



R&D&i support to companies in collaboration with the Technology Centers of Castilla y León.

WORKING AREAS:

- 1. Internationalization of R&D&i: transfer of technology and support to the presentation of European proposals.**
- 2. Innovation in processes and product design.**
- 3. Incorporation of ICT solutions in regional SMEs.**
- 4. Industry 4.0: digital transformation.**
- 5. Support to technology-based entrepreneurs.**

+ info: www.redei.es

Contact email: centratec@redei.es

European Funds

ICE - Junta de Castilla y León -> FACILITATOR ROLE

Promotion of the participation of regional companies and stakeholders in European and International R&i programs and initiatives.

INCREASE IN THE NUMBER OF LEADERS

INCREASE IN THE NUMBER OF REGIONAL ACTORS PARTICIPATING FOR THE FIRST TIME

AWARENESS OF REGIONAL ACTORS WITH POTENTIAL TO PARTICIPATE IN INTERNATIONAL INITIATIVES

ENTREPRENEURSHIP,
INNOVATION and
SELF-EMPLOYMENT
STRATEGY of
CASTILLA y LEÓN



Red de
Emprendimiento
e Innovación
de Castilla y León

H2020 REGIONAL WGs

Agri-food
Raw Materials
Energy
Aviation

Health
Transport
Smart Cities
Materials

Water Environment
Advanced Manufacturing
ICT
SME Instrument

Castilla y León has extensive experience in projects related to Smart Cities: Energy Efficiency projects, Sustainable Mobility, Innovation or Electronic Administration, and Strategies for Sustainable and Integrated Urban Development.

* Important regional SMEs and big companies from Castilla y León are immersed in the development of the SCC concept, being involved in the development of products, processes or services and participating on its implementation.

* Cities such as Valladolid, Palencia, Salamanca, Soria, León and Ávila participate in European projects in these fields.



Smart Cities and Communities Working Group



THANK YOU FOR YOUR ATTENTION!

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