

# Overview of the Innovation System in Portugal

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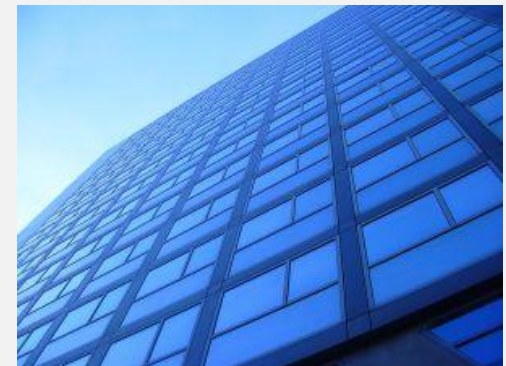


Sociedade Portuguesa de Inovação

## Content

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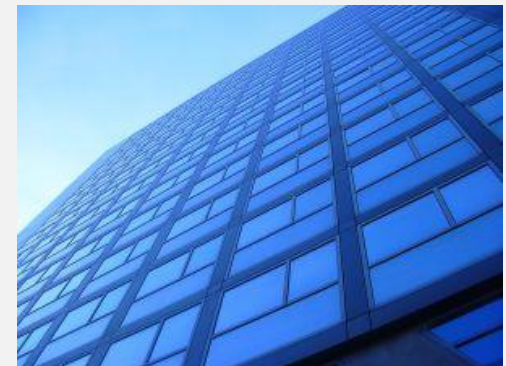
- I. Introduction to SPI
- II. Portuguese Innovation System



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## I. Introduction to SPI | Mission and Strategy

### Mission:

The management of projects which foster innovation and promote international opportunities. When appropriate, this mission will be accomplished through the creation of strategic partnerships.



### Strategy:

The SPI Group positions itself as a unique catalyst for connections among companies, scientific and technological institutions, public administrations, and public and private national and international organisations.

## Accelerate innovation

Promote research and technology transfer

Create knowledge

Enhance competitiveness

Establish partnerships

Penetrate markets

Achieve sustainability

Foster entrepreneurship

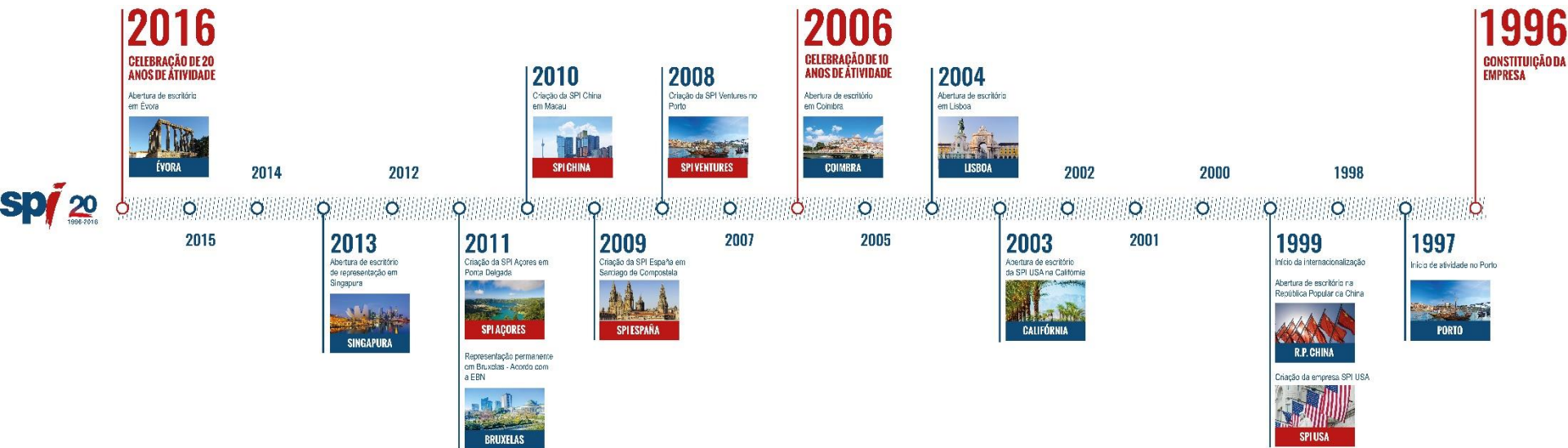
Develop and regenerate territories

## I. Introduction to SPI | International Presence



With a team of more than 80 consultants from different countries, knowledge in and capacity of being active in different points of the world, SPI is present in **Europe**, **America** and **Asia**, through various offices and companies that are dedicated to specific markets and clients with different needs.

## I. Introduction to SPI | SPI Timeline



## I. Introduction to SPI | Activities and Services

The SPI Group's structure is composed of three main pillars that enable us to provide a unique portfolio of activities and services.



INNOVATION



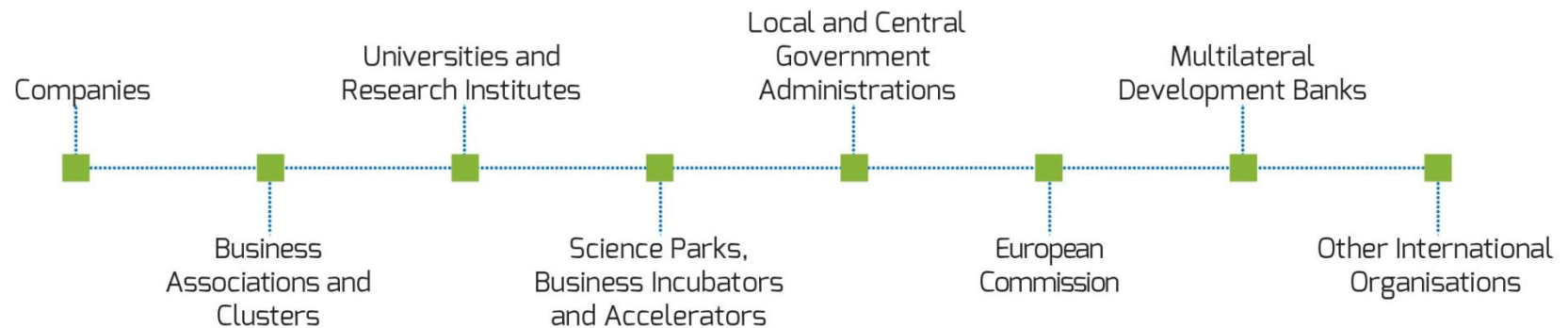
SCIENCE AND  
TECHNOLOGY



TERRITORIAL  
DEVELOPMENT



## I. Introduction to SPI | Clients and Portfolio



**Innovation management**  
 Open innovation  
 Competence development  
 Internationalisation of SMEs  
 Cluster implementation  
 Knowledge management



**Technology transfer**  
 Research & development  
 Emerging technologies  
 Enabling and industrial technologies  
 Factories of the future  
 Sustainable process industries



**Regional development**  
 Urban regeneration  
 Sustainable development  
 Mobility planning  
 Land use planning  
 Innovative cities



## I. Introduction to SPI | SPI Activities in Spain

- SPI España is a private consulting company created in 2008 in Santiago de Compostela as a subsidiary of Sociedade Portuguesa de Inovação (SPI, [www.spieurope.eu](http://www.spieurope.eu)) a group that positions itself as a unique catalyst for connections among companies, scientific and technological institutions, public administrations, and public and private national and international organisations.
- SPI España supports public and private organizations (universities, technology centers and companies) in Spain for the implementation of RDI projects, including strategic planning RDI activities, establishment of international partnerships, elaboration and implementation of internationalization strategies, or preparation and monitoring of applications to different funding programmes.



## I. Introduction to SPI | SPI Activities in Spain

### Development of an International Campus of Excellence in the University of Vigo - “Campus do Mar” Project

**Objective:** Support the development of an international campus of excellence at the University of Vigo.

**Activities:**

- Promotion of scientific development;
- Promotion of internationalization in scientific activities related to the sea;
- Promotion of a new university campus concept;
- Promotion of a local and territorial environment of knowledge;
- Creation of strategic associations / partnerships.

**Client:** University of Vigo (2010)



## I. Introduction to SPI | SPI Activities in Spain

### Development of the strategic plan of Vigo Tecnológico

**Objective:** Develop the Strategic Plan of Vigo Tecnológico - technological campus which is capable of promoting technological innovation and the industrial competitiveness of Galicia.

**Activities:**

- Review of the current reality of the University of Vigo and its surrounding area in the fields of knowledge linked to Vigo Tecnológico (ICT, health, industry, aeronautics and space);
- Definition of the strategic model;
- Definition of priority actions for the implementation of Vigo Tecnológico.

**Client:** University of Vigo (2018)



## I. Introduction to SPI | SPI Activities in Spain

## Development of the initial version of the strategic plan of *Campus da Cidadanía*

**Objective:** Develop an initial version of the Strategic Plan of the *Campus da Cidadanía* - a project whereby the University of Santiago de Compostela aspires to become a national and international reference in the areas of social and legal sciences and the arts and humanities.

**Activities:**

- Review of the current situation of the *Campus da Cidadania*, analyzing the data related to teaching, research and internationalization;
- Definition of the strategic model: identity and values, mission and vision, strategic objectives, and strategic lines;
- Definition of proposals for initiatives to be considered in the action plan.

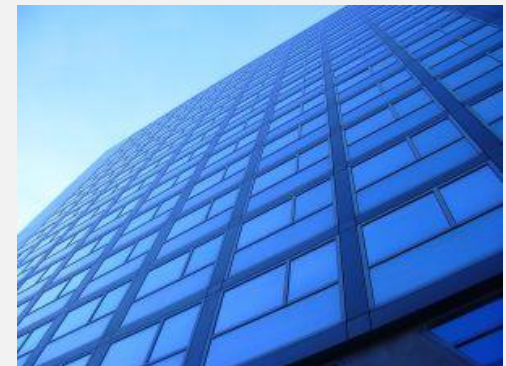
**Client:** University Santiago de Compostela (2017)



## Content

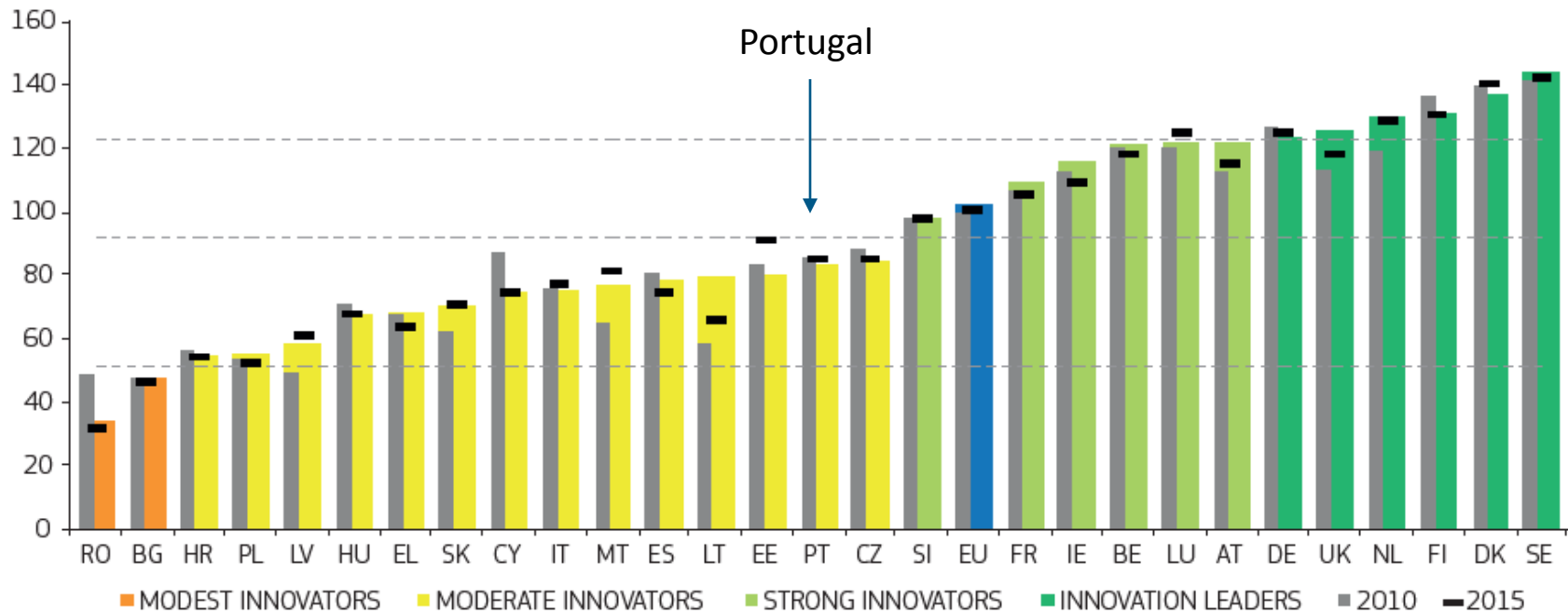
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## II. Portuguese Innovation System | European Context

## Performance of EU Member States' innovation systems

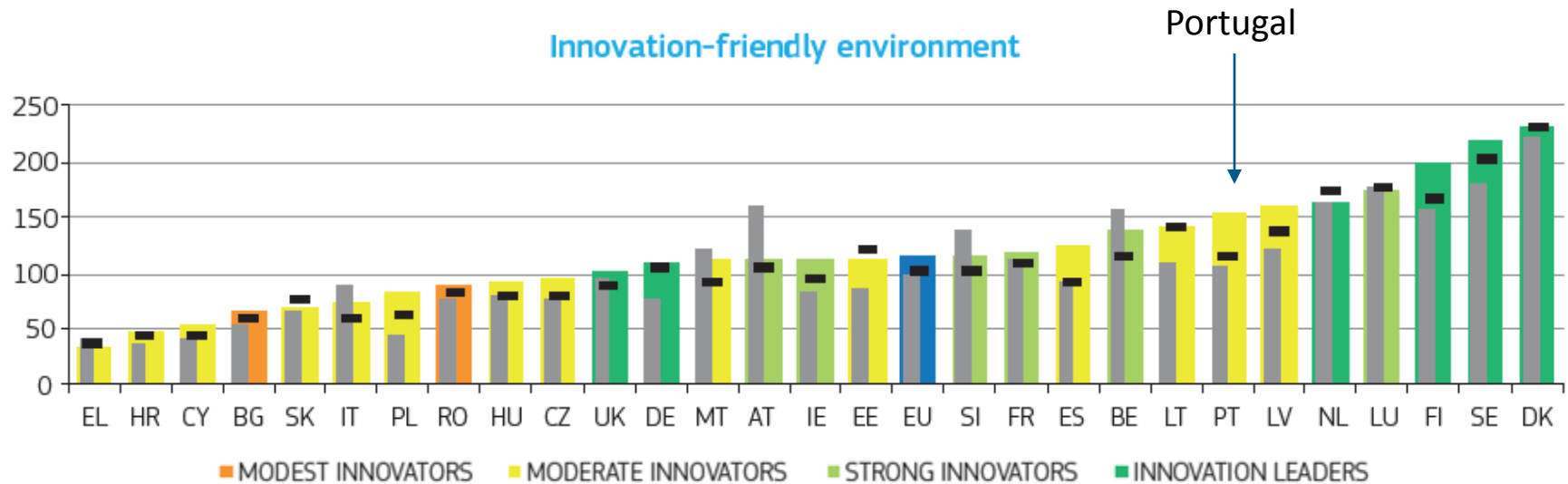


Source: European Innovation Scoreboard 2017

Coloured columns show Member States' performance in 2016, using the most recent data for 27 indicators.

**Portugal ranks 2<sup>nd</sup> under the Moderate Innovators.**

## II. Portuguese Innovation System | European Context



Within the 28 Member States, Portugal ranks 7<sup>th</sup> in terms of most innovation-friendly environment country.

Source: European Innovation Scoreboard 2017

The highest rate of performance increase between 2010 and 2016 is observed in Portugal (50.3%).



## II. Portuguese Innovation System | Evolution 1985 – 2017

Universities and Polytechnics Institutes  
(Public and Private)

1985	2017
16	136

## R&amp;D Units

1985	2017
181	453

Within Universities, there are R&D Units with different sizes:

- Small units (10-40 PhDs)
- Medium units (40-80 PhDs)
- Large units (more than 80 PhDs)



## II. Portuguese Innovation System | Evolution 1985 – 2017

Associated Laboratories  
(Public)

1985	2017
0	25



Among Universities there are virtual organizations, named Associated Laboratories, which consist of different departments from universities that, through the signature of a protocol, **undertake common research projects**. Some of these projects are connected with enterprises.

## II. Portuguese Innovation System | Evolution 1985 – 2017

State Laboratories  
(Public)

1985	2017
11	11



State Laboratories are within the public sector. Since 1985, there are 11 state laboratories in Portugal.

## II. Portuguese Innovation System | Evolution 1985 – 2017

Interface Centres  
(Private not for profit)

1985	2017	Planned
13	19	23



Interface Centres are private not for profit associations created with the aim of **transferring knowledge to enterprises**. They have technicians and researchers whose main objective is to **develop projects with enterprises**, such as prototypes, pilot installations, technical assistance, etc.

One of the largest organizations is **ISQ - Welding and Quality Institute**, with earnings of around 80M€ per year in technical assistance to enterprises. It is worth referring that in 2017, 70% of those earnings were originated from abroad activities.

## II. Portuguese Innovation System | Evolution 1985 – 2017

Technological Centres  
(Private not for profit)

1985	2017	Planned
0	8	5



Another type of innovation institutes are Technological Centres; each one of them is specialized in a specific industrial sector – glass and ceramics, shoes, textile, castings, moulds, stone, etc.

## II. Portuguese Innovation System | Evolution 1985 – 2017

Technological Based Incubation Centres  
(Private not for profit)

1985	2017	Planned
0	35	10



Today, Portugal has various Technological Based Incubation Centres, each providing incubation services in specific areas such as ICT, creative industries, tourism, etc.

## II. Portuguese Innovation System | Evolution 1985 – 2017

Technological Parks  
(Private not for profit)

1985	2017	Planned
1	15	6



The first Technological Park in Portugal was Tagus Park, located in Lisbon (image above). Nowadays, there are 15 Parks all over the country.



## II. Portuguese Innovation System | Evolution 1985 – 2017

Enterprises with R&D projects  
(Private and Public)

1985	2017
±180	±3500



In 1985, around 180 enterprises applied to incentive schemes (grants) to develop new processes, products and systems. Today, **over 3500 different companies** have applied to such grants.

## II. Portuguese Innovation System | State Agencies

### State Agencies that provide funding to innovation

- ANI – National Agency for Innovation  
[www.ani.pt/en](http://www.ani.pt/en)



- IAPMEI – Portuguese Agency for Competitiveness and Innovation  
[www.iapmei.pt](http://www.iapmei.pt)



## II. Portuguese Innovation System | State Agencies

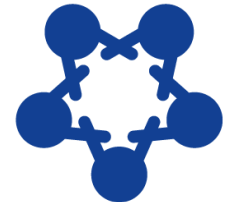
## ANI – National Agency for Innovation



Grants available through ANI:

- R&D projects in consortium

Grants targeted to enterprises, in association with other enterprises and/or other organizations, for the **development of R&D projects** with the purpose of **attaining new products, processes and systems**.



- Demonstration projects in consortium

Grants targeted to enterprises, in association with other enterprises and/or other organizations, for the **demonstration of new products, processes and systems**, based on previously developed R&D projects, to a specialized audience and the general public.



## II. Portuguese Innovation System | State Agencies

### IAPMEI – Portuguese Agency for Competitiveness and Innovation



Grants available through IAPMEI:

- Productive Innovation  
Consists of **reimbursable grants** for enterprises to **invest in buildings, productive equipment**, etc.
- R&D individual projects  
Grants for enterprises to **develop R&D projects** with the purpose of attaining new products, processes and systems.
- Qualification  
Consists of **non-reimbursable grants** aimed to requalify enterprises by allowing them to **invest in productivity softwares, quality control, certifications**, etc.



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