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INSTRUMENTS AND POLICIES TO FOSTER K&T TRANSFER

WORKSHOP ON

“MOST PROMISING DISRUPTIVE TECHNOLOGIES ON SMART GRIGDS AND TECNOLOGY TRANSFER SUCCESS STORIES”

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Agencia Estatal de Investigación

Ministerio de Economía, Industria y Competitividad





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- The **SPANISH STRATEGY FOR SCIENCE, TECHNOLOGY AND INNOVATION 2013-2020** sets out Government's long term policy for ST&I and approaches to maximize their economic and social benefits. It outlines «service to society» as the driving force behind scientific and technological advancement and therefore the need to accelerate the flow of research and knowledge into the economy.
 - It is aimed at creating an innovative economy based on **talent, knowledge** and the spread of innovation across every area of our economy: ST&I activities are as important to the delivery of healthcare and any public service as it is to manufacturing, tourism, or research-based industries.
 - It is a tool for improving the capabilities of the Spanish Science, Technology and Innovation System, enabling **collaboration** between all its agents –**public and private- Administrations –state and regions-**.

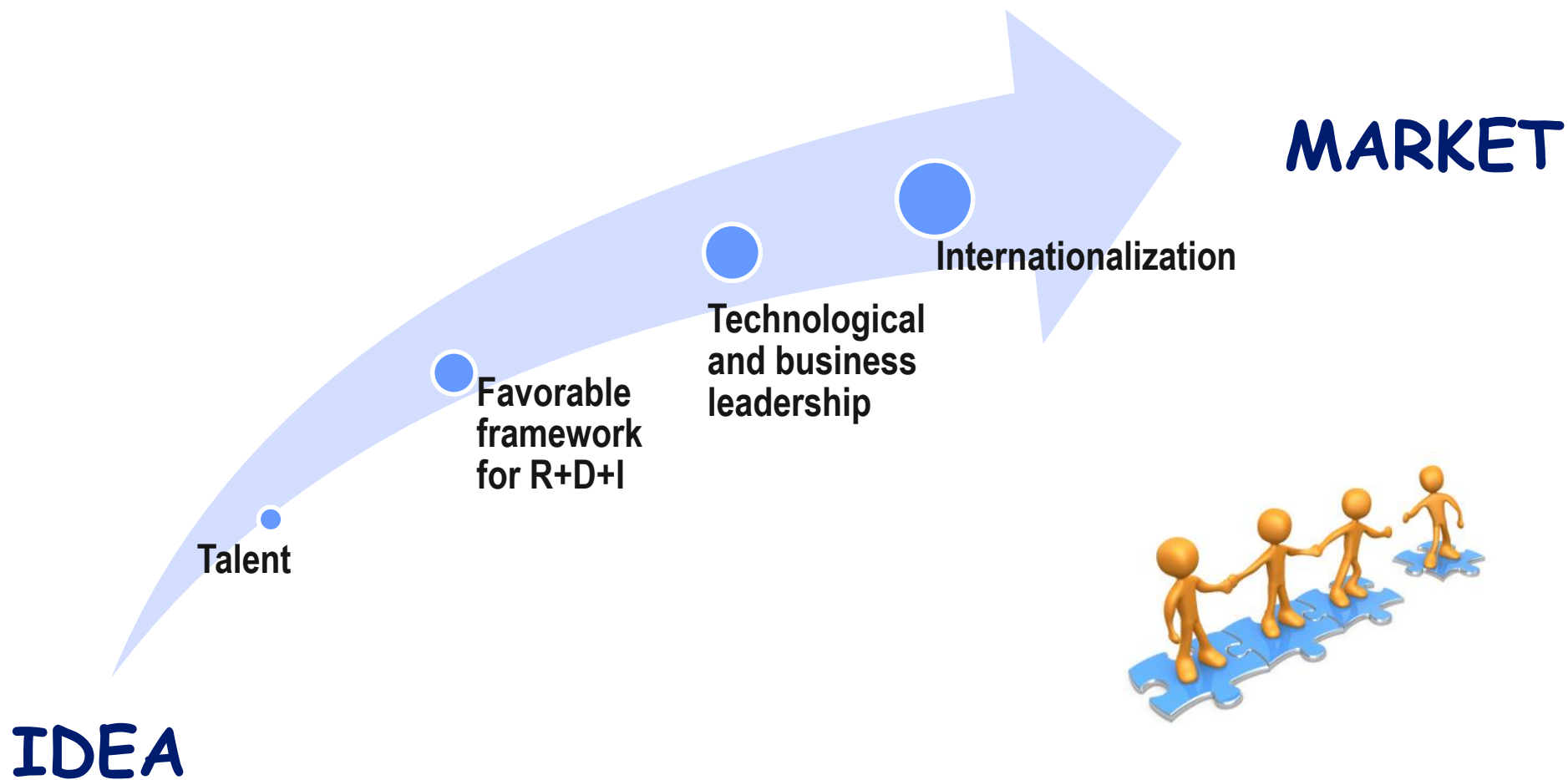


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Spanish Strategy: “from idea to market”





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Drivers of the Spanish Strategy for ST&I 2013-2020



**Talent , Training,
Skills and Job
Opportunities**



**Towards knowledge
excellence**



**Business
Leadership in ST&I**



Societal Challenges



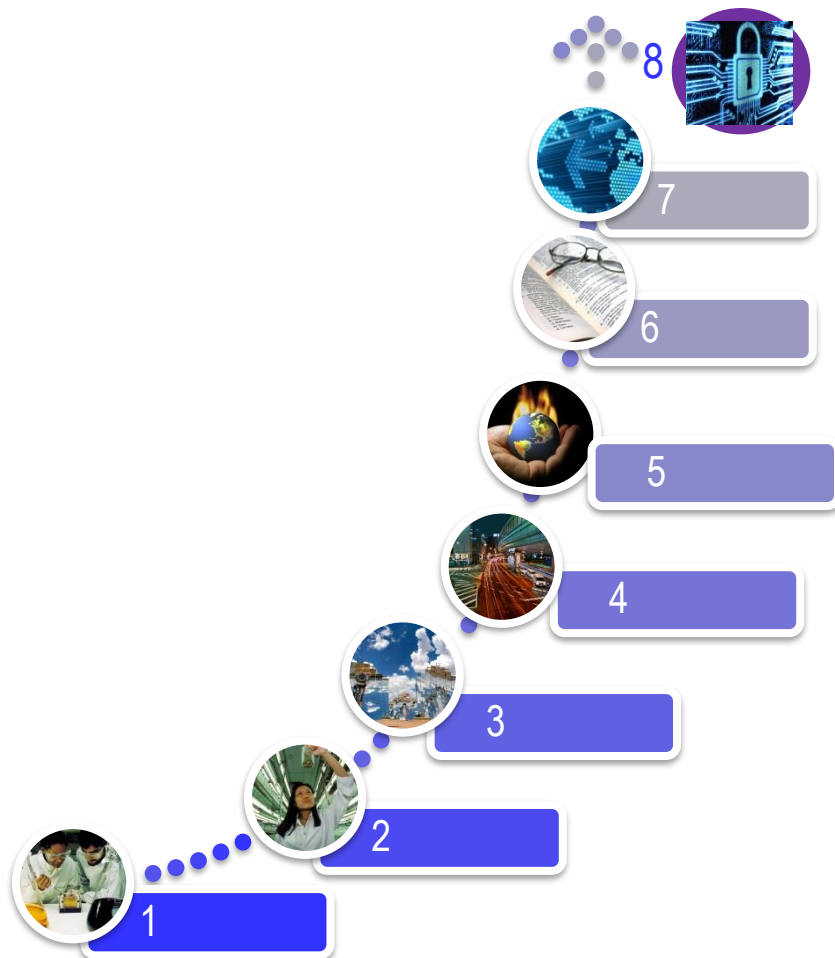
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Drivers of the Spanish Strategy for ST&I 2013-2020

SOCIETAL CHALLENGES



1. Health, demographic change and wellbeing
2. Food security, sustainable agriculture, marine and maritime research & the bio economy
3. Secure, clean and efficient energy
4. Smart, green and integrated transport
5. Climate action, resource efficiency and raw materials
6. Social changes and innovative societies
7. Inclusive and secure societies
8. Society and Economy of the Digital Age

The promotion of R&D&I directed at the challenges of society arises from the need to respond to the problems we face, and the objective of the SPANISH STRATEGY is to promote the scientific, technological and business leadership of Spain in all those segments with a high potential for growth at global level.

CHALLENGES cover large fundamental areas which determine unique spaces for the multidisciplinary and inter sectorial collaboration.

The search for solutions to respond to the global CHALLENGES mobilizes major effort in terms of basic scientific research, development and innovation developed by research groups in the public sector and in business and in collaboration.

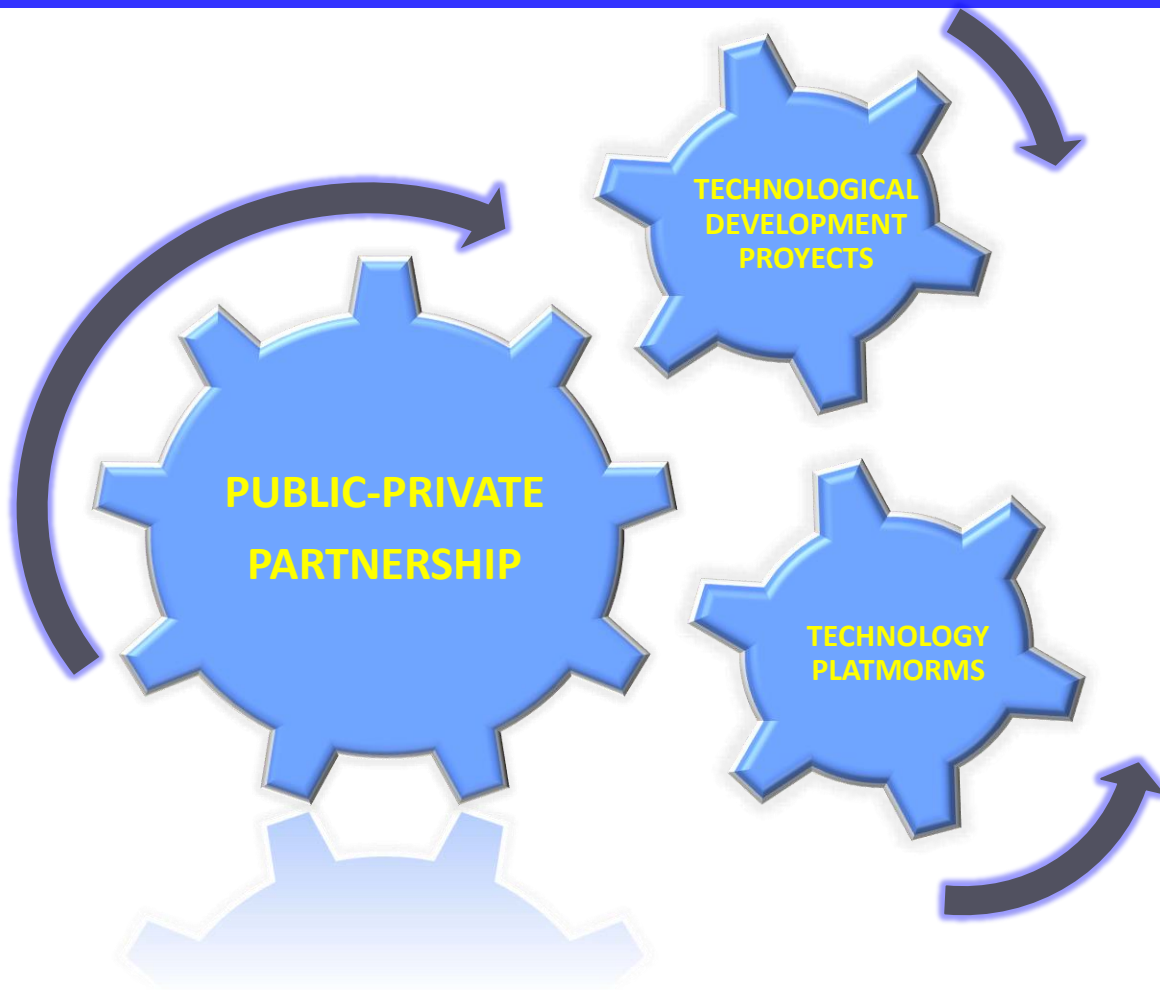


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The Innovation Machinery





Public Administration is a key player in the promotion, development and combination of policies of innovation, defining the regulatory framework and launching projects (not profitable from the onset with a strong social value). It can act as **match-maker**.

Public and private actors are the essential elements to implement public policies on innovation. We have to look for stable relations and eliminate positions against the harms of facing each other: **CULTURE OF COOPERATION**



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How cooperate in innovation?

Building **networks**. It allows to give the system a greater strength and to establish the contact among the various agents that can collaborate. The biggest problem is cultural: we hardly think that we can "open up" to work with a competitor.**TECHNOLOGY PLATFORMS**

Projects: In a collaborative project, at least two partners participate in project design and implementation. They share the risk and results



This call represents an opportunity for companies and R&D agents , for the execution of innovative projects in cooperation with results close to the market, that mobilize private investment, generate employment and improve the country's technological balance.

The topics of the projects should be aligned with the priorities established in the R&D&I State Program oriented to the Challenges of the Society, as well as with all complementary technologies of transversal character necessary to develop and complete the content of the Challenges.

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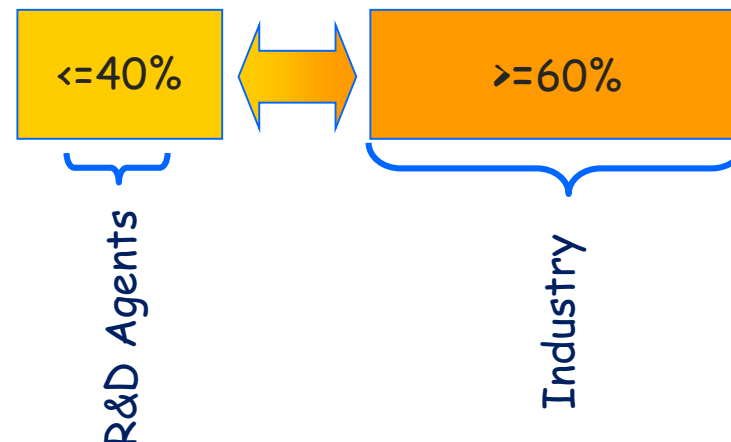


Experimental Development Projects Public-Private Cooperation

Leader: Industry

Min. Participation: 10%

Duration: 2-4 years



Minimum budget: 500.000€

Financial support: Loan and Grant



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Technology Platforms

Public-private structures, led by industry, with the participation of agents from science-technology-innovation system, able to define the medium and long-term R & D + I strategy of a productive sector

From 2005 to.... the future



40 Spanish Technology Platforms in innovative sectors and technological areas



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SPANISH TECHNOLOGY PLATFORMS

Objectives

- *Promotion* and impulse of technology development and innovation
- Creation of a *culture* of innovation based on the knowledge
- Definition of *priorities* and coordination of R&D activities
- Proposals of *R&D Projects*
- Identification of a *common strategic* on R&D
- Activation of development and use of *innovative technologies* and industrial process
- Search for technological *opportunities* for industry
- Determination of technological, social, economical and regulation *barriers* for technology development and use
- *Advisory* group on research for public and private institutions



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Agencia Estatal de Investigación

Single agent for the management of R & D funds,
which aims to ensure a stable financial framework





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What is its mission?

Agent for **funding** the actuations designed by the policy to promote Spanish R&D&i

Management of funding actuations through **competitive procedures**

Instrument for **monitoring** the impact of the activities funded



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Which are the advantages?



Flexibility

Predictability

New sources of funding

Confluence with Europe

Advantages

- **Multianual** budget
- Substantive improvement in the **planning** of the actuations
- **Time stability** in the public calls



Other sources of funding

- **Incomes** from sponsorships or contributions from private entities, actuations in charge...
- Strengthening **public-private funding**
- **Intermediate body** for EU funds





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The evaluation of the R&D Actuations



Evaluation

- Improvement of the **procedures** of the evaluation of R&D actuations
- **Greater convergence** with the existing international model for evaluation (peer review)
- Development of the **ex-post evaluation** (impact assesment)

Management

- **Simpler** procedures
- **Permanent** accountability control
- More **coherence** in the allocation of public funding
- More **flexibility** in the definition of management instruments





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THANK YOU FOR YOUR ATTENTION

