Model of Funding of R&D in the Framework of Renewable Energies

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From de Idea to the market

- Favorable environment to the R&D&I
- Industrial and technological leadership
- Internationalization

IDEA
- Scientific and innovative talent

METHODOLOGY
- DG of Scientific and Technical Research
- DG of innovation and Competitiveness

- Center of Industrial Technology Development

PUBLIC
- Public
- Public-private collaboration
- Private
What are?

- **Spanish Strategy of Science, Technology and Innovation**
  - Framework of **Principles and Objectives** to define public policies (Central And Regional)
  - **2013-2020**

- **Estate Plan for Scientific and Technological Research and Innovation**
  - Instruments oriented to support R&D&I activities by the Central Government
  - **2013-2016**
Spanish Strategy: General and Specific Objectives

**PROMOTION OF TALENT AND EMPLOYMENT**
- Formation and training on R&D&I
- Mobility and professional research development
- Incorporation of human resources for R&D&I

**SOCIAL CHALLENGES**
- Health, demographic changes and welfare
- Agriculture, ecosystem and natural resources
- Clean, efficient and safe Energy
- Integrated, sustainable and intelligent transport
- Climate Change
- Social Change and innovation
- Digital Society
- Safety, security and protection

**EXCELLENCE ON SCIENTIFIC AND TECHNOLOGICAL RESEARCH**
- Generation of Basic knowledge.
- Emerging Technologies
- Institutional Strengthening
- Scientific Infrastructures

**INDUSTRIAL LEADERSHIP**
- Promotion of R&D&I activities on enterprises
- Key enable technologies
- Collaborative R&R&I oriented to the market

**Orientation to the Social Challenges**

**Promotion of Talent and Employment**

**Excellence on Scientific and Technological Research**

**Industrial Leadership on R&D&I**
The Estate Plan reproduce the structure of the Spanish Strategy.

The Estate Programs responds to the objective of the Spanish Strategy.
From de Idea to the market

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Industrial and technological leadership
- Internationalization

MARTKET
- Center of Industrial Technology Development, CDTI

Public
Public-private collaboration
Private
Programs to support the Public R&D System

- Basic research
- Complementary actions

- Training of research people
- Ramón y Cajal Program
- Juan de la Cierva Program
- Support technician Program
- Torres Quevedo Program in companies

- Infrastructures and Equipment

- EuroResearch
- International Projects
- International Scientific Cooperation
- International Scientific Infrastructures
- International Organism Specialization
From de Idea to the market

IDEA → Favorable environment to the R&D&I → Industrial and technological leadership → Internationalization → MARKET

- Scientific and Innovative Talent
- DG of Scientific and Technical Research
- DG of Innovation and Competitiveness

Public → Public-private collaboration → Private
Enhance Spanish companies’ competitiveness and internationalization through innovation
Under the frame of **EEA Grants Programme** Spain will receive funds (42.4 M€) from Donor States in these priority sectors:

- Environmental protection and management and climate change and **renewable energy**
- Civil society, Human and Social development and Protection of cultural heritage.

**CDTI–EEA Grants Programme** (18.2 M€ EEA contribution) falls under the Environmental and Climate Change-related Research and Technology Programme

**Beneficiaries/Promoters:** Spanish companies

**CDTI Financial Instrument:** Partially reimbursable grant (a combination of grant and soft loans)

**Budget 2012-2013:** ~ 90 M€ (18.2 M€ grants)
From de Idea to the market
Programs to support the Innovation and Competitiveness

- Incorporation of highly qualified team
- Infrastructures of Scientific and Technology Parks
- R&D&I tax reductions
- Innovative Public Procurement
- Technology Platforms
- R&D projects collaboration
- Public-private partnership
- Innovative employment
- Incorporation of highly qualified team
Program to create and consolidate national Technology Platforms

Public-private partnership led by industry, with the participation of all relevant stakeholders, capable of defining the medium and long term vision and establishing a roadmap in research, development and innovation

The Spanish network of Technology platforms
Public-private R&D Projects

Program to support R&D projects in collaboration between enterprises and research organizations

- **Aims:**
  - To promote the steady public and private cooperation between the enterprises and research agents.
  - To orientate R&D towards demand

- **Participants:**
  Enterprises, Public and Private Research Centers,
  Universities, associations, foundations…
Some figures of INNPACTO 2010, 2011 and 2012

- **1232 M€ of Total Support**
- **937 Projects**
- **3.504 Agents**
- **29,272 Qualified Employees**

Including Grants, Soft Loan and European Co-Funds

Distributed along 10 sectors: Energy, Transport, Health, Biotech...

More than 70% are enterprises and around the 65% of them are SME

Considering the full project
Tree year calls of public-private instrument in energy

156 Projects
296,2 M€ Total support
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