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# Spanish International R&D Cooperation

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CDTI- Technological Cooperation Dept.

Istanbul, 26<sup>th</sup> September , 2025

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- CDTI's Main Activities
- International Technological Cooperation Programs

# Spanish technology capabilities



# Spanish Technology Capabilities

Spain offers a quite diverse industrial and service sector and it also has very good infrastructures

- 1st largest High Speed Network Railway in Europe and 2nd in the World.
- 1st Fiber Optic Network in Europe
- 4th Global Cybersecurity Index in the World.
- 5th Wind and solar energy production and water desalinization capacity in the World.
- 8th in the Ranking of the World Health Organization
- 8th Automotive manufacturer in the Word.
- 9th Economic Openness to foreign investments in the World.
- 11th position in Scientific Publications Ranking (Q1 15th)



# Spanish Technology Capabilities

- B€ 15.8 R&D expenditure 2023 (50 % private)
- B€ 17.1 Innovation bussiness expenditure 2023
- R&D/GDP= 1.41 %
- High education degree: 36,7 % of citizens
- 231.769 people work in R&D (women 41 %)

# Spanish Technology Capabilities

## Unique Scientific and Technical Infrastructures (ICTS)

- Astronomy & Astrophysics
- Ocean, Life and Earth Sciences
- Health Science and Biotechnology
- Information and Communication Technologies
- Energy
- Engineering
- Materials
- Social Sciences and Humanities

## Public Research Centers

- National Research Council (CSIC)
- National Center for Energy, Environment and Technological Research (CIEMAT)
- National Health Institute Carlos III
- Astrophysics Institute of Canarias (IAC)
- National Institute for Aerospace Technology (INTA)
- Spanish Space Agency (ESA)

## Universities

## Technological Innovation Centers



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# MICIN Agencies

## Ministry of Science and Innovation





# CDTI, E.P.E. – Ministry of Science and Innovation



## SPAIN'S NATIONAL INNOVATION AGENCY

Main purpose: Enhance Spanish companies' competitiveness & internalization through INNOVATION



# CDTI, E.P.E. – Ministry of Science and Innovation

## Center for Technology Development and Innovation

- ✓ Created in 1977
- ✓ Public Entity
- ✓ Business innovation financing agency (LCTI)
- ✓ Focal point for the promotion of technological innovation
- ✓ High national and international prestige

# CDTI, E.P.E. – Ministry of Science and Innovation

## Results for 2023

- ✓ 3.515 entities ask for aids to CDTI
- ✓ 791,19 M€ of direct aid (loan+grant) for support 2.782 national projects (68,3 % SMEs).
- ✓ 44,50 M€ of direct aid (loan+grant) for international cooperation programas (multilateral & bilateral)
- ✓ 762,10 M€ of indirect aid from H2020.
- ✓ 406,30 M€ of indirect technological contract with ESA, ESRF, ....

# CDTI, E.P.E. – Ministerio de Ciencia e Innovación

## Activities



# Bussiness Financing Programs

TIME TO MARKET



- **R&D&I Projects and Start-ups financial aids (Loan + Grants)**
- **Public Procurement Purchase**
- **Venture Capital**

# R&D&I funding. R&D Open call

- ✓ Technology innovative project
- ✓ Adequacy enterprise / project : technical & financial & market feasibility
- ✓ R&D projects requested by trading companies
- ✓ **Open call**
- ✓ **No lines predefined, no pre-selected technologies**
- ✓ Aid intensity within the limits of the **General Block Exemption Regulation**

# R&D&I taxes

## Tax Deductions



### MINISTERIO DE LA PRESIDENCIA

742

*REAL DECRETO 2/2007, de 12 de enero, por el que se modifica el Real Decreto 1432/2003, de 21 de noviembre, por el que se regula la emisión de informes motivados relativos al cumplimiento de requisitos científicos y tecnológicos, a efectos de la aplicación e interpretación de deducciones fiscales por actividades de investigación y desarrollo e innovación tecnológica.*

The competence to issue reasoned reports for R&D&I projects for tax deductions corresponds to the General Director of CDTI, in the case of projects that have previously been financed by CDTI.



# Bussiness Financing Programs

TIME TO MARKET

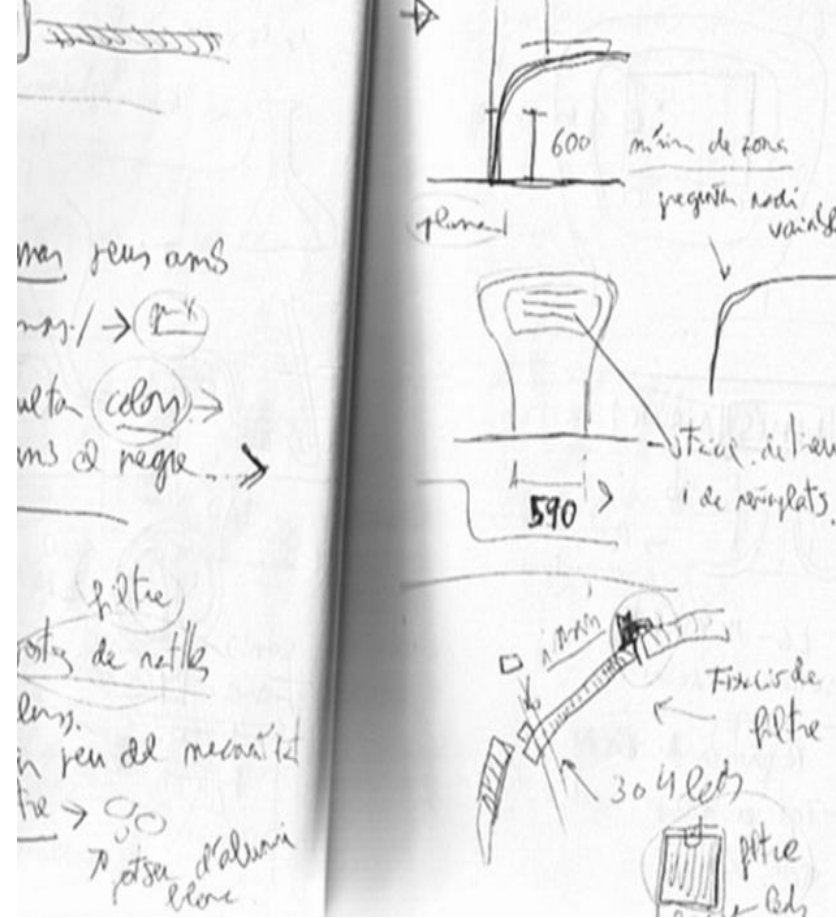


- R&D&I Projects and Start-ups financial aids (Loan + Grants)
- **Public Procurement Purchase**
- Venture Capital



# Public Procurement Purchase

- ✓ Identification of new technologies for the administration from CDTI projects.
- ✓ Agreement CDTI-Administration interested for the development of theses technologies.
- ✓ Open call for tenders held by CDTI and technology transfer process to the administration that has shown interest.

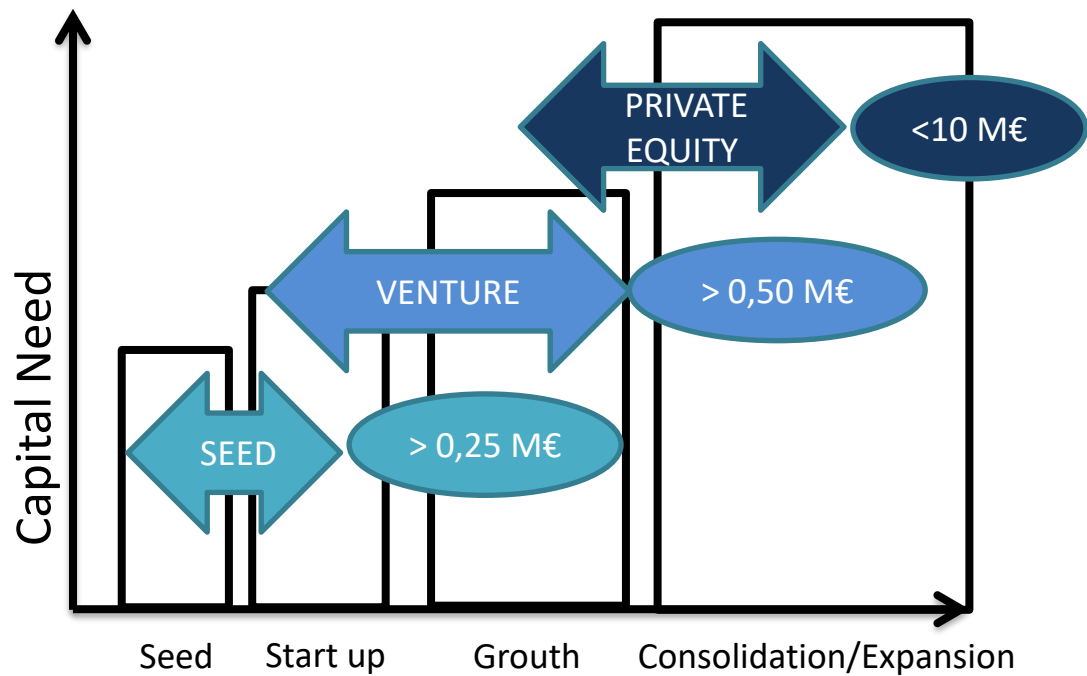


# Bussiness Financing Programs

TIME TO MARKET



- R&D&I Projects and Start-ups financial aids (Loan + Grants)
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# International Tecnological Cooperation Programas



- **HORIZON EUROPE:** Representatives in Programme Committees, NCP Industrial Leadership and Social Challenges programmes.
- **INTERNATIONAL TECHNOLOGY COOPERATION PROGRAMS:** (multilateral and bilateral): HLG and representatives in multilateral and bilateral programmes steering committees.
- **BIG SCIENTIFIC AND TECHNOLOGICAL FACILITIES (CERN, ESO, ITER, ESRF, ILL, SFEX, ESS, SKA):** Contact point with the Spanish companies.
- **EUROPEAN SPACE AGENCY (ESA) y UE Space Programs (Copérnico, SST):** Representatives in the Board and Technical and Strategic Committees



MINISTERIO  
DE CIENCIA  
E INNOVACIÓN



# International Technological Cooperation Programas

## H2020 Spanish Results



- Spanish entities have obtained €6,114 million in H2020 (10.4 % EU-28 return).
- Spain is the 4th country for subsidies obtained (after Germany, United Kingdom and France), the 2<sup>nd</sup> for participations and the 1<sup>st</sup> in leadership.
- 3,759 entities have been subsidized.
- Companies have obtained 35.2% of the total subsidy; the universities, 20.8%; associations, research and technology organizations, 27.0%; Public Administrations, 5.5%; and European organizations, 0.2%

# International Tecnological Cooperation Programas

## ❖ **Multilaterals**

Eureka: Europe + Argentina, Canada, Chile, Singapore, South Korea and South Africa

Iberoeka: Argentina, Bolivia, Brazil, Colombia, Costa Rica, Cuba, Chile, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru, Portugal, Spain, Dominican Republic, Uruguay and Venezuela.

PRIMA: Algeria, Jordan, Lebanon, Egypt, Croatia, Cyprus, France, Morocco, Germany, Greece, Israel, Italy, Luxemburg, Malta, Portugal, Slovenia, Spain, Tunisia and Türkiye.

JFS SEA: 15 EU countries + Cambodia, Laos, Myanmar, Philippines, Indonesia and Thailand

ERANETS: EU Countries

❖ **Bilateral**: Algeria, Jordan, Morocco, Brazil, Korea, Japan, China, Egypt, India, Malaysia, Thailand, Russia, Colombia

❖ **Unilateral Label**: Saudi Arabia, Algeria, Argentina, Australia, Bangladesh, Brazil, Cabo Verde, Cambodia, Chile, China, Colombia, Costa Rica, Cuba, Ecuador, Egypt, Ghana, Guatemala, India, Indonesia, Iran, Ivory Coast, Japan, Jordan, Kuwait, Laos, Lebanon, Malaysia, Mauritania, Morocco, Myanmar, Mexico, Oman, Peru, Philippines, Qatar, Russia, Senegal, Singapore, South Korea, Sri Lanka, Taiwan, Thailand, Dominican Republic, Tunisia, UAE, Uruguay, USA and Vietnam.



# International Tecnological Cooperation Programas

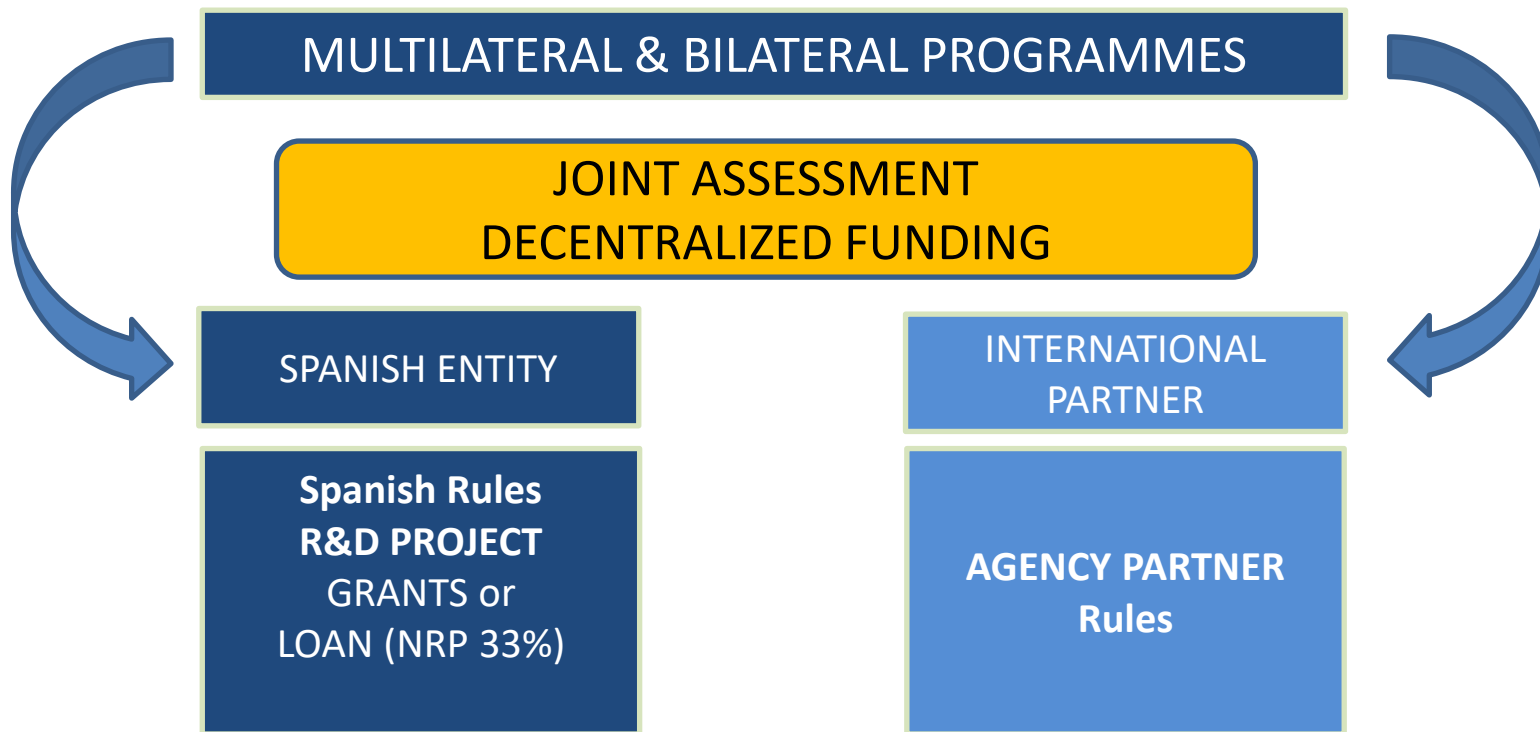
## Multilateral & Bilateral Programs

- ✓ Objective: to achieve an **effective technological cooperation**
- ✓ **Market focused with no R&D lines predefined**
- ✓ **Bottom-up**
- ✓ At least **two enterprises** from **two different countries**
- ✓ **Balanced consortia**, symmetrical-based collaboration
- ✓ **Open call** , excluding Eurostars.
- ✓ **Domestic funding**: each country funds their entities

**Active policy:  
encouraging the  
participation in  
international  
programs**



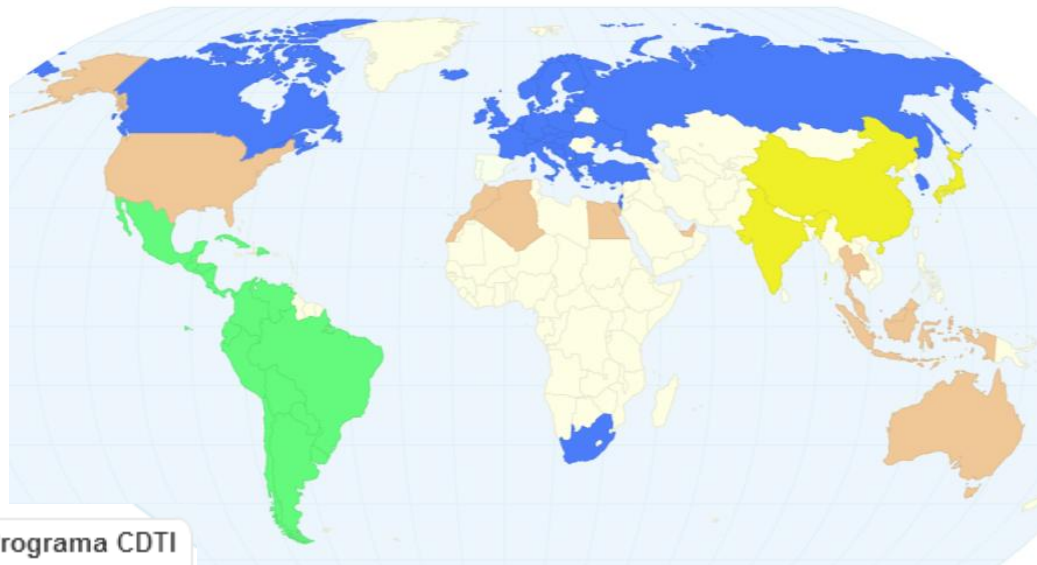
# International Technological Cooperation Programas



# Technological Cooperation Programs



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Países por Programa CDTI

-  Eureka
-  Iberoeka
-  Bilaterales
-  Unilaterales

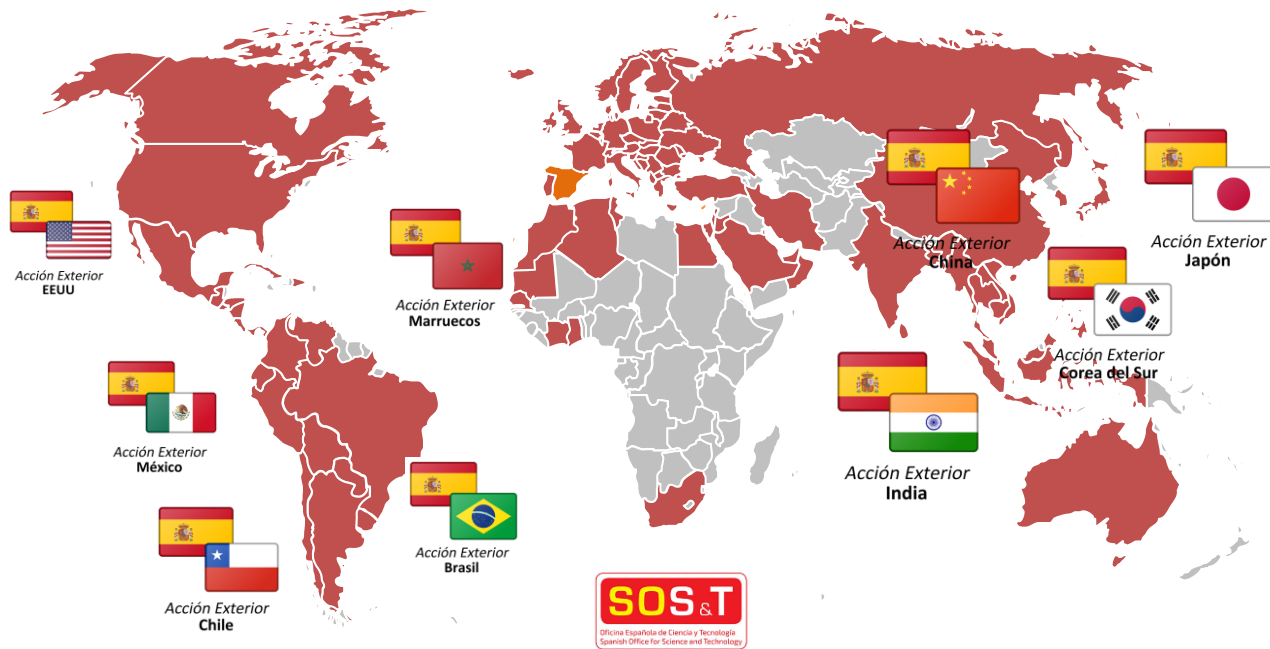


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# Foreign CDTI Delegations



**SOST CDTI Offices:**

**Japan, South Korea, China, India, USA, Morocco, Chile, Brazil, Mexico, Brussels**

+info sobre programas y ayudas CDTI  
para  
proyectos de I+D empresarial e innovación



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