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Spanish Bilateral S&T Eureka Cooperation

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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 World.
- 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 2020 (50 % private)
- B€ 17.1 Innovation bussiness expenditure 2020
- 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)

Universities

Technological Innovation Centers



Unique Scientific Technical Infrastructures (ICTS)



GOBIERNO
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GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA E INNOVACIÓN



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

The Spanish Science, Technology and Innovation Strategy (EEICTI)



Is the multi-year reference framework whose objectives are shared by the General State Administration (AGE) and the Autonomous Region in the field of promoting scientific, technical and innovation research.

It is the reference to elaborate the PEICTI



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

State Scientific, Technical and Innovation Research Plan (PEICTI)



PEICTI 2021-2023 is made up of four state programs:

- ❑ State program to address the priorities of our environment.
- ❑ State program to promote scientific-technical research and its transfer.
- ❑ State program to develop, attract and retain talent.
- ❑ State program to catalyze innovation and business leadership.



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

Recovery, Transformation and Resilience Plan



The Plan is structured around FOUR TRANSVERSAL AXES: ecological transition, digital transformation, gender equality and social and territorial cohesion.

It is structured around ten levers that are a part of 30 projects or lines of action that articulate, in a comprehensive and complementary way, the different drivers of structural reform, both regulatory and investment-focused.

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

- Industrial market-oriented projects
- Individual or in cooperation
- National or from an international programme
- Min budget: 175.000 €

CHARACTERISTICS (*)	SME	No SME
Basic	30%	20%
Europe Funds		30%
International/CIEN		33%

Loans up to 85%
Fixed interest rate
Euribor

Company own
resources: 15% total
budget

Possible non-
repayable parts
(max 33%)

Long recovery: 10-15
years includes a grace
period (2-3 years)

Multiannual funding
(1-3 years)*

Advances

(*) CIEN 3 – 4 years

R&D&I funding

Main Strategic Technologies

CERVERA



- Nano y micromaterials
- New materials and Surface treatments process
- Green Materials
- Recovery and valorisation of materials, soils and wáter
- Generation and storage of Renewable Energy
- H2 Technologies
- Multifunction and multimaterial manufacturing
- Human-Machine interfaces
- Robotics and 3D-printing
- Personalized medicine
- Bioelectronic and biomechanical devices
- Control of infectious diseases and plagues in agri-food sector
- Functional food
- Deep learning and artificial intelligence
- Virtual Reality and NLP
- 5G & 6G communitations
- Autonomus vehicles
- Cybersecurity and privacy
- Quantum computing

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.



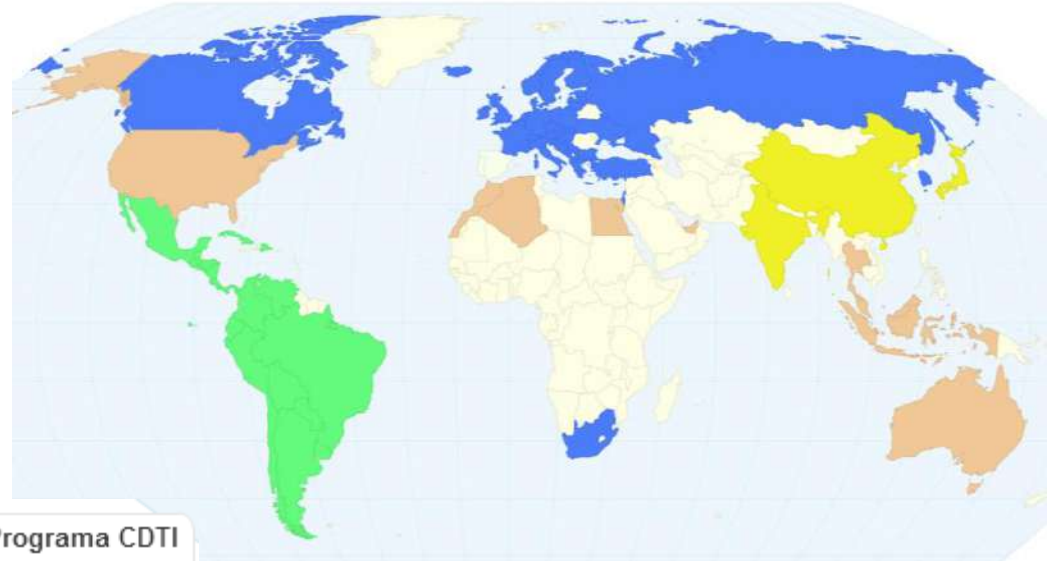
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Technological Cooperation Programs



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Países por Programa CDTI

-  Eureka
-  Iberoeka
-  Bilaterales
-  Unilaterales



International Technological 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**



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



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