

A world map composed of blue dots, with several red dots placed on various continents, including North America, South America, Europe, Africa, and Asia.

CDTI - Spanish Innovation Agency

Technological Cooperation in Vietnam

Patricia Sánchez Pacheco
CDTI Representative

EU-Vietnam Research & Innovation Community Meeting
21st May 2024

Index

- 1. CDTI, the Spanish Innovation Agency**
- 2. International R&D Cooperation with Vietnam**
- 3. Record of collaboration Spain & Vietnam**
- 4. Spain, a country of Science and Innovation**

Index

- 1. CDTI, the Spanish Innovation Agency**
- 2. International R&D Cooperation with Vietnam**
- 3. Record of collaboration Spain & Vietnam**
- 4. Spain, a country of Science and Innovation**

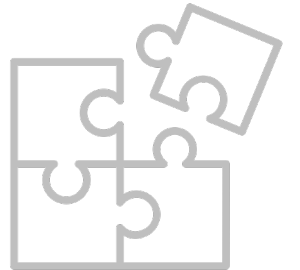
1

CDTI – The Spanish Innovation Agency

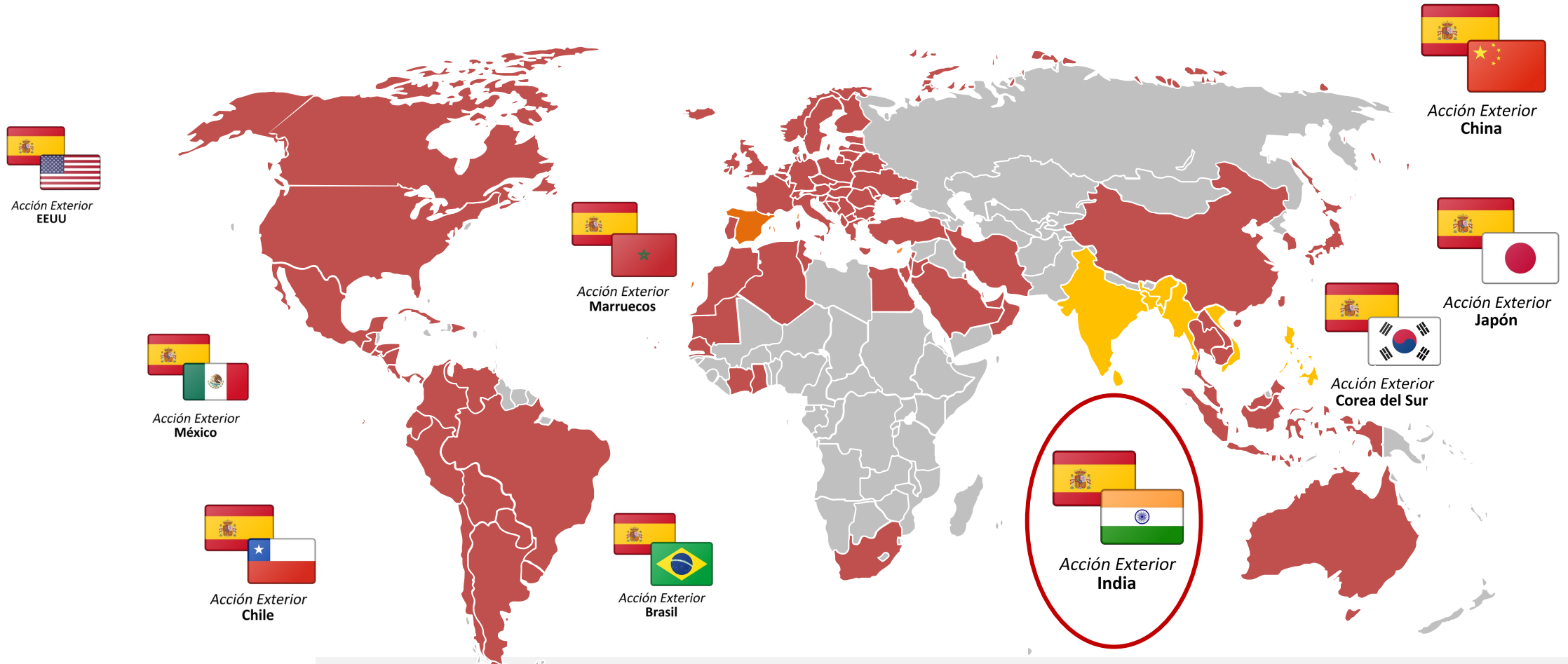


➔ CDTI: Center for Technological Development and Innovation

- Public Entity - Ministry of Science, Innovation and Universities
- Agency provides funding for Spanish companies' R&D&i projects in collaboration with other countries



CDTI – The Spanish Innovation Agency



Index

1. **CDTI, the Spanish Innovation Agency**
2. **International R&D Cooperation with Vietnam**
3. **Record of collaboration Spain & Vietnam**
4. **Spain, a country of Science and Innovation**

2

International R&D Cooperation with Vietnam

1

Projects

2

Programs

2

International R&D Cooperation with Vietnam

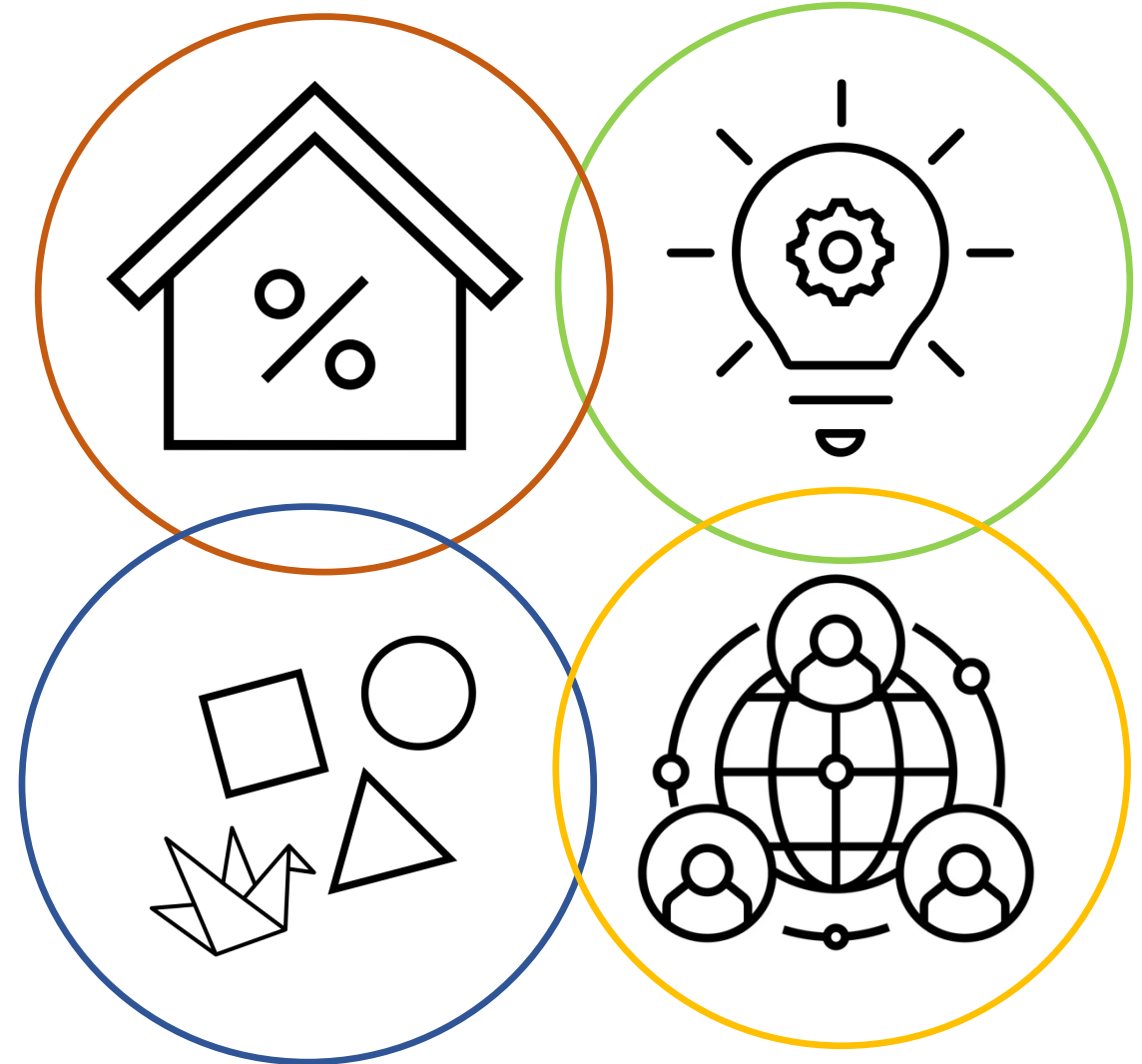
Projects

RTDI – Research, Technological Development and Innovation Projects

Innovative – new product, service or process

Any sector (excl. Defense)

International cooperation



2

International R&D Cooperation with Vietnam

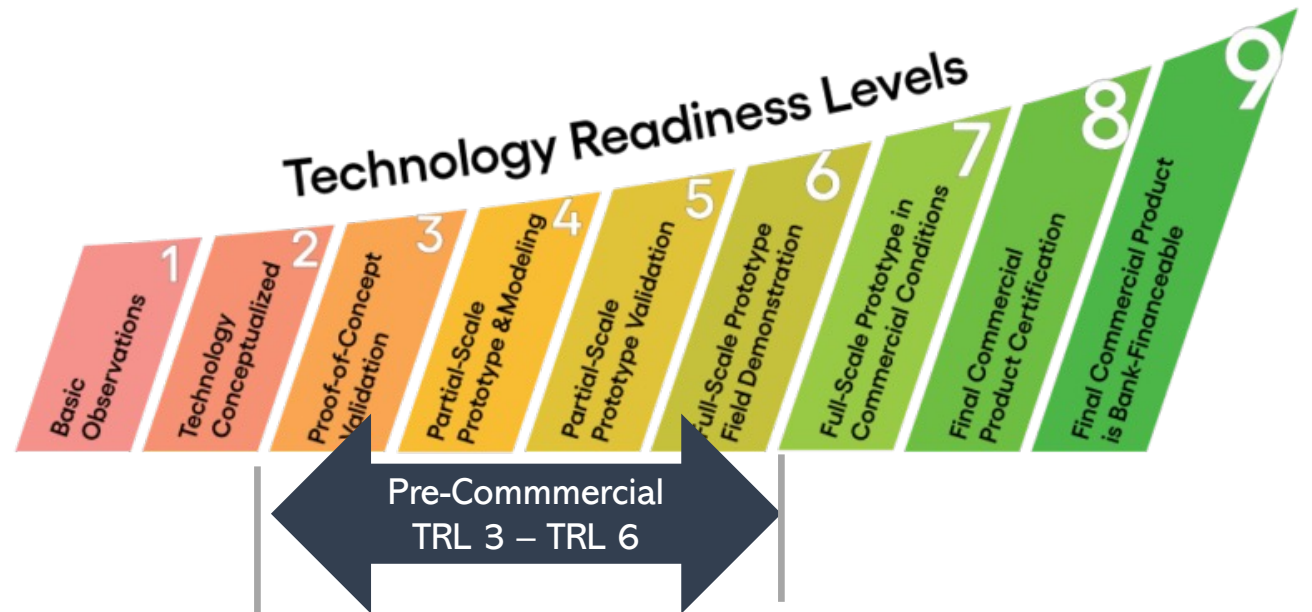
Projects

Market oriented

Innovative – new product, service or process

Any sector (excl. Defense)

International cooperation



2

International R&D Cooperation with Vietnam

Projects

Partners: (1+1) at least 1 partner from Vietnam and 1 partner from Spain

- ✓ Spanish side must be led by a **company** => Collaboration with other Spanish R&D entities is permitted and it can be funded
- ✓ Vietnamese side could be led by any **R&D entity** headquartered in Vietnam => company, research institute, university, technological centre, hospital, etc.
- ✓ The Vietnamese partner and the Spanish partner must be **independent**
- ✓ **Balanced proposals** (máx budget 70% Spanish side)

2

International R&D Cooperation with Vietnam

1

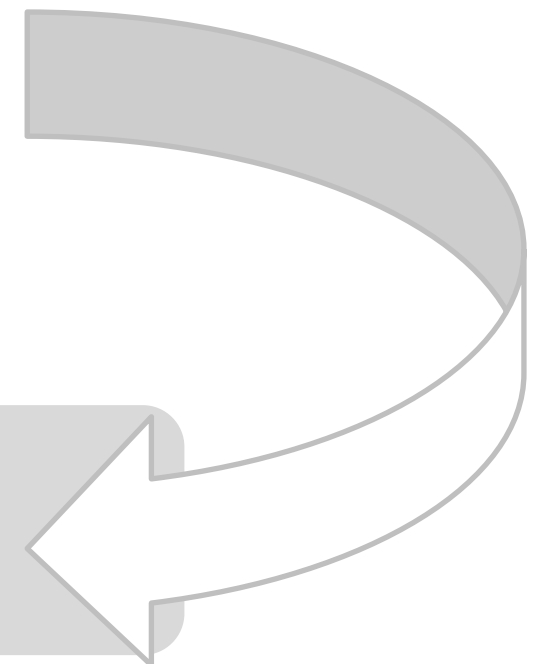
Projects

2

Programs

Bilateral : Spain + Vietnam

Multilateral: Spain + Vietnam + other countries



2

International R&D Cooperation with

Vietnam

Bilateral



- The participants from both countries receive funding from their governments
- Principle “No money crossing-borders”: Each country funds its own participants
- Possible if CDTI has a bilateral agreement with the Government of the other country

Vietnam – State Agency for Technological Development (SATI) under MOST: **NEW** Framework of collaboration

Spanish company + Vietnamese company



Announcement soon!!

Call for Industrial Research
Researchers welcome

2

International R&D Cooperation with

Vietnam

Multilateral



JFS EU-SEA
Joint Funding
Scheme

Open in 2024

- Vietnamese entities receive funding from their government (if Vietnam is participating in the call)
- Spanish companies receive funding from CDTI

Call 8th

- **Circular Economy**
- **Clean Accessible and Secure Energy Supply**

Spain participates (CDTI)
Vietnam - No

NEXT Calls

9th Call – Sept 2024
10th Call – June 2025

2

International R&D Cooperation with

Vietnam Multilateral Horizon Europe

Open calls

- Explore the different [positions and working contracts](#) in the Spanish public research and academic system
- Search how to [fund your career position](#)
- Understand the Spanish [ecosystem of research organizations](#)
- Apply for a specific ongoing [MSCA-COFUND programmes](#)

- **R&D projects:**

Vietnamese entities receive funding from the European Commission to collaborate with Spanish R&D entities (not only companies)

- **Marie- Curie Actions:**

Vietnamese researchers can develop their career in Spain - Programs for doctoral candidates and postdoctoral fellowships

<https://www.euraxess.es/spain/science-spain>

2

International R&D Cooperation with Vietnam

CDTI - find a Spanish technological partner?

Contact us india@cdti.es detailing:

- **Project idea** (specific)
- **Criteria required** from the Spanish partner (expertise, technical equipment, etc.)
- Partners you've already identified but you need **help contacting**



Index

- 1. CDTI, the Spanish Innovation Agency**
- 2. International R&D Cooperation with Vietnam**
- 3. Record of collaboration Spain & Vietnam**
- 4. Spain, a country of Science and Innovation**

Record of Collaboration Vietnam & Spain



FP7 (2007-2013)

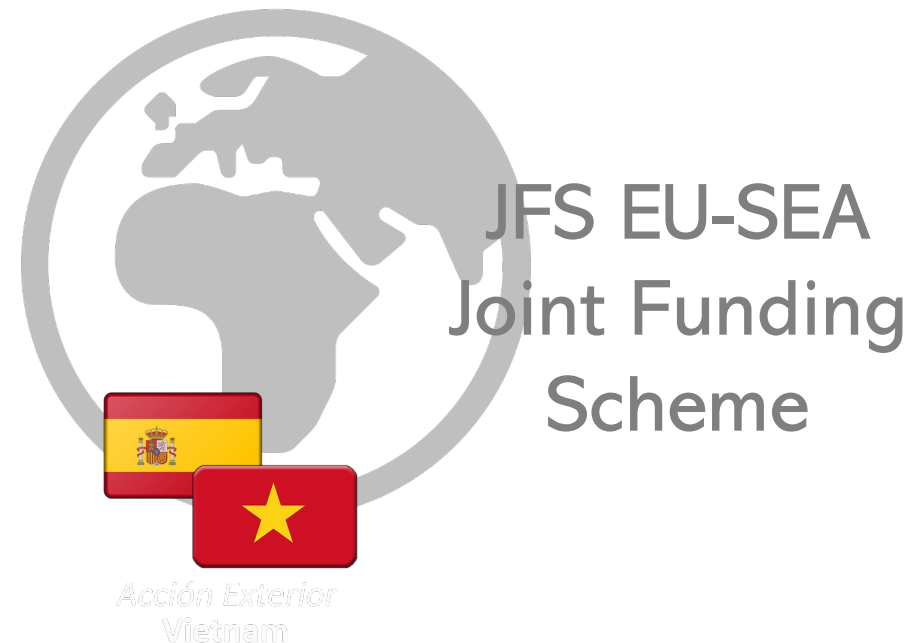
- 9 projects Spain-Vietnam & other countries
- Sectors: Agriculture, Livestock and Environment

Horizon 2020 (2014-2020)

- 4 projects Spain-Vietnam & other countries
- Sectors: Food Security, Agriculture, Sustainable Fishing

Horizon Europe (2021-2027)

- 4 projects Spain-Vietnam & other countries
- Cluster 6: Food, Bioeconomy, Natural Resources, Agriculture and Environment



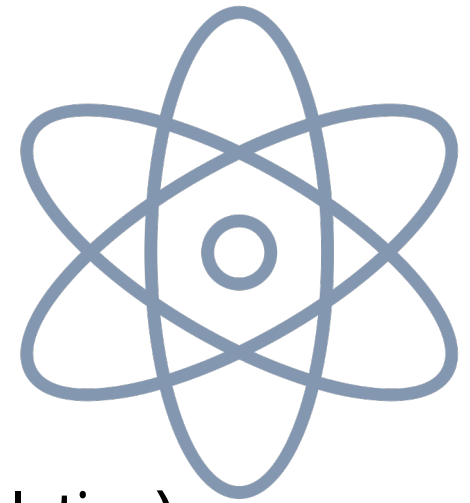
Joint Funding Scheme

- 1 project Spain-Vietnam & other countries
- Under Call 3 for Infectious Diseases (incl. AMR)
- Sector: Health

Index

- 1. CDTI, the Spanish Innovation Agency**
- 2. International R&D Cooperation with Vietnam**
- 3. Record of collaboration Spain & Vietnam**
- 4. Spain, a country of Science and Innovation**

Spain, a country of science & innovation



10th largest scientific power

Contribution of 3% to world's scientific output (vs 0.6% total world population)
| 4.3% of excellent scientific publications | 7.7% of all papers done in international collaboration

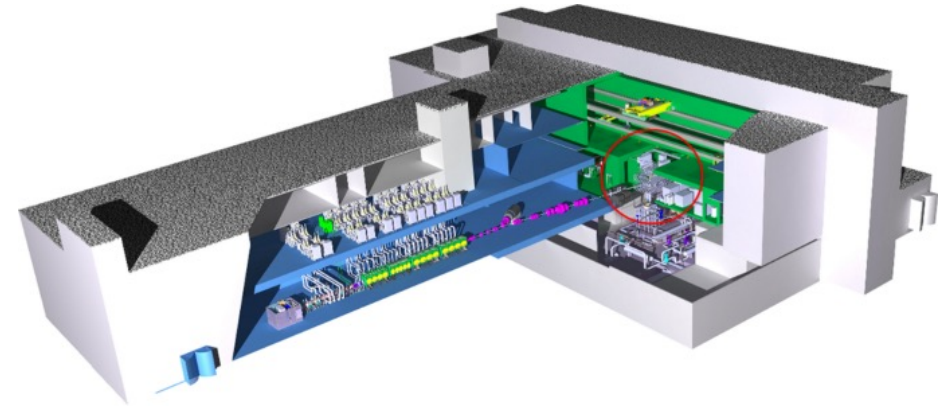
Very active participant in Horizon 2020

Spain ranked the 4th largest recipient of EU competitive funding, after Germany, France and United Kingdom | 2nd in terms of leading consortiums

Global Innovation Index 2023 - Spain stands in the 29th position in the world
Source: WIPO, World Intellectual Property Organization

Spain, a country of science & innovation

Equipped with cutting-edge Science Infrastructures



IFMIF-DONES Fusion Materials Irradiation Facility



Barcelona Supercomputer Centre (BSC)

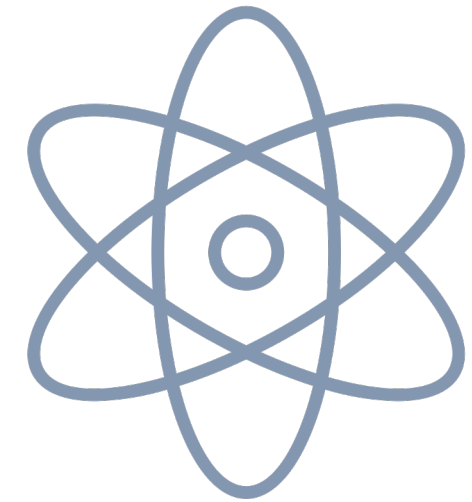


ALBA 3rd generation Synchrotron Light facility



Large Telescope of the Canary Islands (GTC)

Spain, a country of science & innovation



- NATIONAL Research Infrastructures [Link](#)



German-Spanish Calar Alto Astronomical Centre (CAHA)



Yebes Observatory and Astronomical Centre (OY)



Large Telescope of the Canary Islands (GTC)



Canfranc Underground Laboratory



Javalambre Astrophysical Observatory (OAJ)



Canary Islands Observatories (OOC)



National Fusion Laboratory (LNF)



Solar Platform of Almeria (PSA)



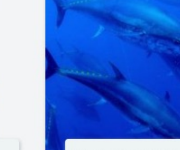
IRAM 30m Radio Telescope in Pico Veleta



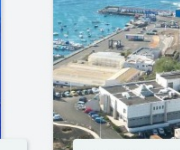
Spanish Antarctic Facilities (BAES)



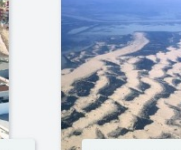
Spanish Oceanographic Fleet



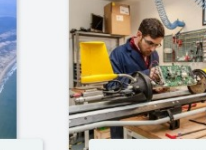
Infrastructure for breeding red tuna (ICAR)



Oceanic Platform of the Canary Islands



Doñana Biological Reserve



Coastal Observation System of the Balearic Islands (SOCIB)

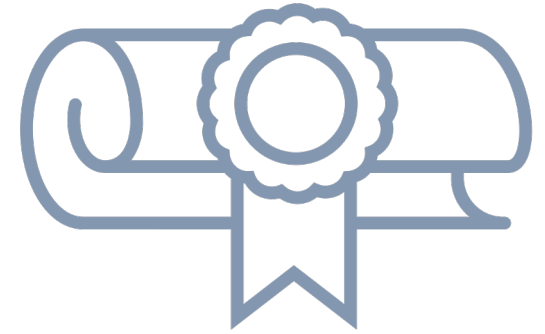
- **INTERNATIONAL** Research Infrastructures: [IFMIF-Dones](#) International Fusion Materials Irradiation facility; [Barcelona Super Computer Center](#) under the Partnership for Advanced Computing in Europe (PRACE); [EST](#) European Solar Telescope; [EU-SOLARIS](#) European Solar Research Infrastructure for Concentrated Solar Power; [LifeWatch ERIC](#) e-Infrastructure for Biodiversity and Ecosystem Research

[Infrastructures](#)

Astronomy
& Astrophysics
Ocean Life
Earth Sciences
Health Science
Biotechnology
ITC
Energy
Engineering
Materials
Social Sciences
Humanities

Map [Link](#)

Spain, a country of academic excellence



5 Spanish Universities in the top 500 worldwide in 2024

University of Barcelona, Autonomous University of Barcelona, Pompeu Fabra University, University of Navarra, Autonomous University of Madrid

Source: Times Higher Education

3 Spanish Universities in the top 250 worldwide in 2024 for Research Environment and Research Quality

University of Barcelona, Pompeu Fabra University, Autonomous University of Barcelona,

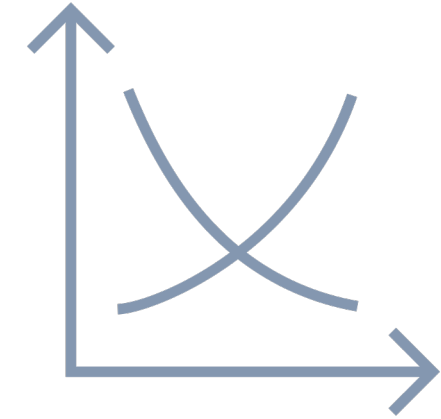
Source: Times Higher Education

3 MBA full-time programs in the top 20 worldwide in 2024

IE Business School; IESE Business School, ESADE Business School

Source: QS Global MBA Rankings 2024

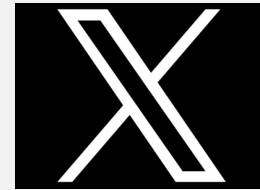
Diverse industrial and service sector and excellent infrastructures



- ✓ Spain is the **4th largest economy in the EU** (Source: Eurostat, 2023)
- ✓ Spain is the **7th recipient of foreign investments in the world** (Source: OECD, 2023)
- ✓ Spain is the **2nd largest High Speed Network Railway in the world**
- ✓ Spain is the **5th country by installed capacity of wind power in the world**
(Source: WWEA, 2022)
- ✓ **1st country by installed concentrated solar power in the world** (Source: IRENA, 2022)
- ✓ **3rd nation in Europe by broadband internet speed (Mbps)** (Source: Nord VPN)
- ✓ **8th automotive manufacturer country** in the world (Source: OICA, 2023)

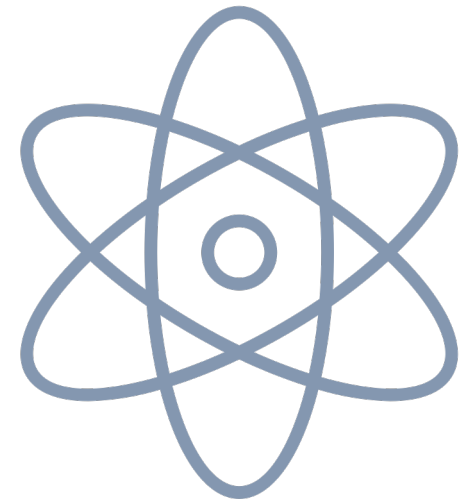
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Spain, a country of science & innovation



A Research System that awards top-quality Research

- Somm – Spanish Research Institute Alliance of Excellence
 - Accreditation by the Ministry of Science, Innovation and Universities to recognize the best centers and units in Spain that stand out for the relevance and impact, at international level, of their research results
 - Evaluation and selection process carried out by an independent international scientific committee
- Centres and Units of Excellence [Link](#)



SOMM
EXCELLENCE
ALLIANCE