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European Union transnational R&i aviation funding and the Spanish support



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Overview of the transnational R&i cooperation policies

1972. Commission proposal: guidelines for a Community policy on research and innovation

Member State cooperation

National research policy coordination

1983. Adoption of the **1st Framework Programme** for Community research



1985. EUREKA network



2000. EC to propose the concept of a “**European Research Area**”

European Research Area

How did it affect to the aviation sector?

1997. The EC identified the aerospace sector as essential for the economic recovery:

- The European Aerospace Industry - **Meeting the Global Challenge**



2001: “European Aeronautics: A vision for 2020”

2001. Launch of **ACARE** at Paris Air Show

2002. First release of the **SRA**

2011. **Flightpath 2050** published

2012. First launch of **SRIA**



Transnational R&i aviation funding

Centralized
funding

EU R&I Framework Programmes



Decentralized
funding

Air Transport Net ERANet



EUREKA network



Horizon Europe

Climate, Energy and Mobility

 **SUSTAINABLE & SMART MOBILITY STRATEGY**
Putting European transport on track for the future

More than 15 Billion EUR



Partnerships



Work Programme cluster 5: Mobility

Destination 5: Clean and competitive solutions for all transport modes

Zero-emissions road transport

Aviation

Waterborne transport

Impact of transport on environment and human health

Destination 6: Safe, resilient Transport and smart mobility services for passengers and goods

Connected, cooperative and automated mobility

Multimodal and sustainable transport systems for passengers and goods

Safety and resilience – per mode and across all transport modes

Partnerships cluster 5

Institutional Partnerships: Mobility



Clean Aviation

Integrated Air Traffic Management



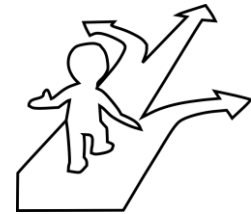
Transforming Europe's rail system

Other oportunities

Clean hydrogen
(institutionalised Partnership)

Batteries (Co-programmed partnership)

Driving Urban Mobility
(co-fund)



Alignment of national funding programmes: AirTN



Transnational call for proposal 2012.
Austria, Ireland, Spain, and Sweden.

Transnational call for proposal 2013.
Austria, Ireland, Italy, Spain and Sweden

Synergies: Clean Sky 2/ESIF

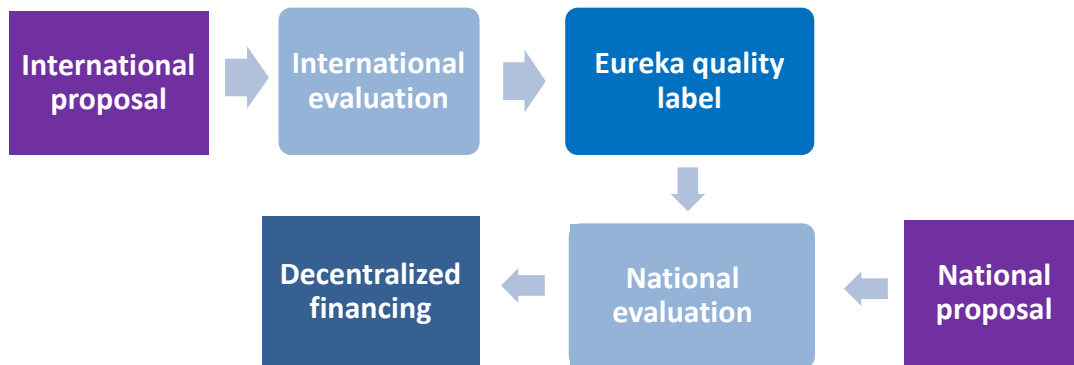
Alignment of national funding programmes: Eureka



Network projects

Globalstars

Clusters



Centralized
evaluation

Decentralized
financing

Spanish funding R&i agency: CDTI

RTDI funding

- Evaluation and funding
- Reports towards tax exemption
- Intermediate entity for managing European Funds (ERDF, EFMF, NextGenerationEU)

Support to the creation and consolidation of new technology based companies

- INNVIERTE
- Neotec grants

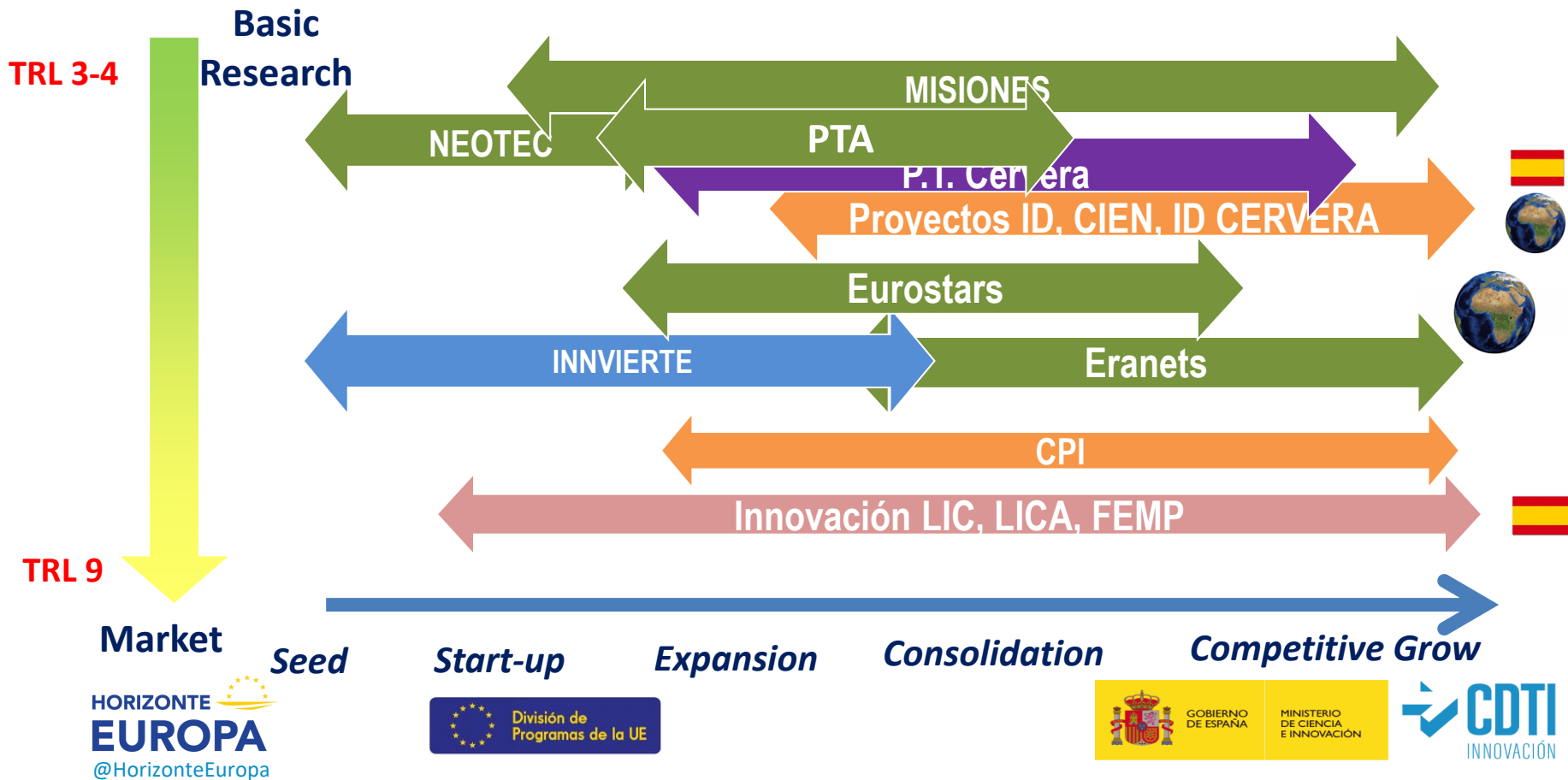
RTDI internationalization

- Technological Cooperation: Bilateral (Eureka, Iberoeka...), Eurostars, European Framework Programme (Horizon Europe)
- Support to technological transfer: Foreign network

Aeronautics, Space and Industrial Returns Programmes

- Aerospace RTDI
- Technological supplies: CERN/ESRF, Hispasat, Eumetsat, Spainsat.

Spanish funding R&i agency: CDTI



Support to Spanish aeronautical industry: IDI programme

- Industrial market-oriented projects
- Individual or in cooperation
- National or from an international programme
- Min budget: 175.000 € (cooperation: ~ 500.000)

non-repayable part
(max 33%)

Loans up to
85%**
Fixed interest
rate Euribor

Company own
resources: 15%
total budget

Long recovery
(10 years) with
grace period (2-3
years)

Multiannual
funding (1-3
years)

16 aviation projects in 2021 in open calls – 35M€*

Support to Spanish aeronautical industry: PTA programme

Aeronautical Technologic Plan (PTA) Call 2021 and Call 2022

- **2021 call**

- Focused on (Challenges):

- Green Deal 77%
- UAVs, 4%
- Multipurpose aircrafts (Dual use) and systems 19%

- 2021 call **results** → 12 projects (8 Large companies, 4 SMEs), **80M€** total budget approved, **40M€** grants.

- **2022 call**

- Include a new challenge: **digitalization and smart manufacturing**

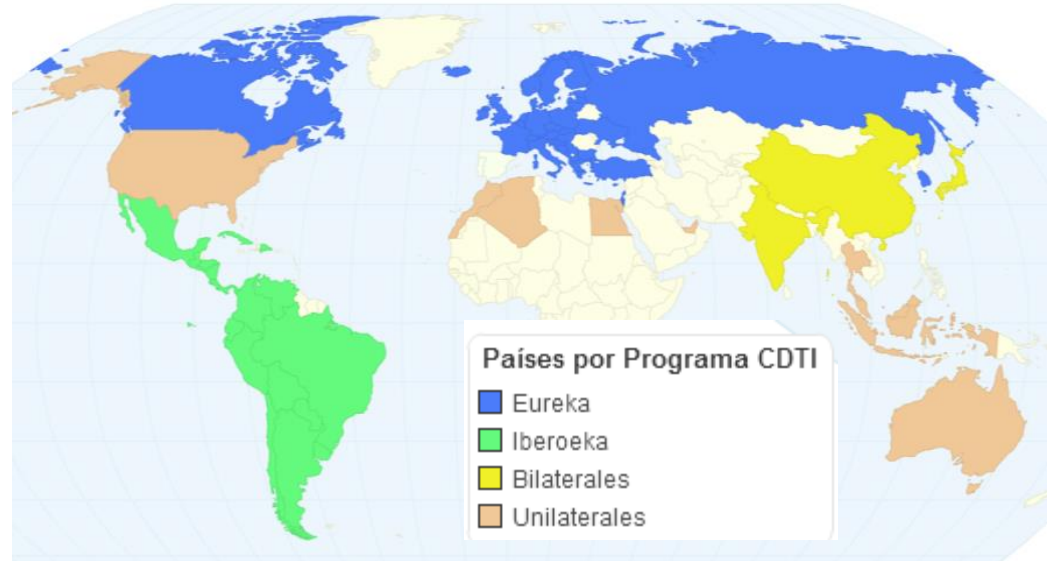
- **80M€** grants, expected mobilized more than **160M€**



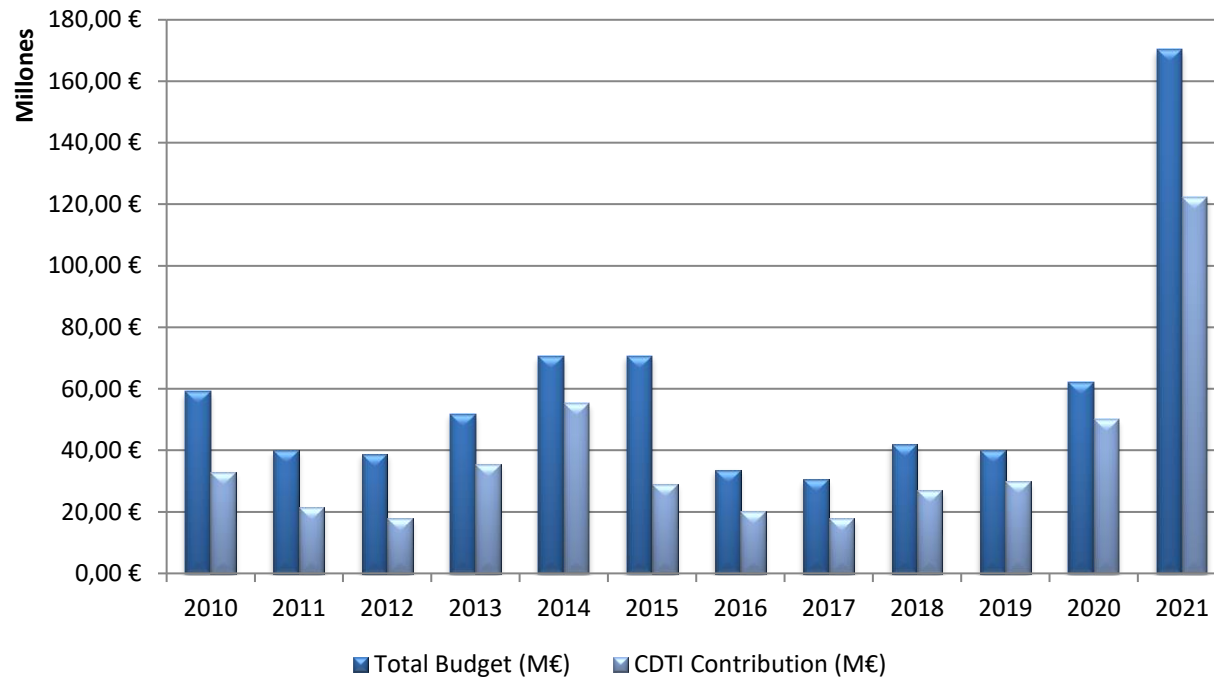
Technological Cooperation Programs



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Data and figures: Aeronautical sector



Total Budget: +710M€
Total CDTI contribution: 460M€

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



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