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CTA

**Fast-track your Innovation
with CTA**

December 2023

Starting Point 2005

Europe

1,8% R&D expenditure as a percentage of GDP

55% R&D expenditure by business sector

Spain

1,18% R&D expenditure as a percentage of GDP

53,8% R&D expenditure by business sector

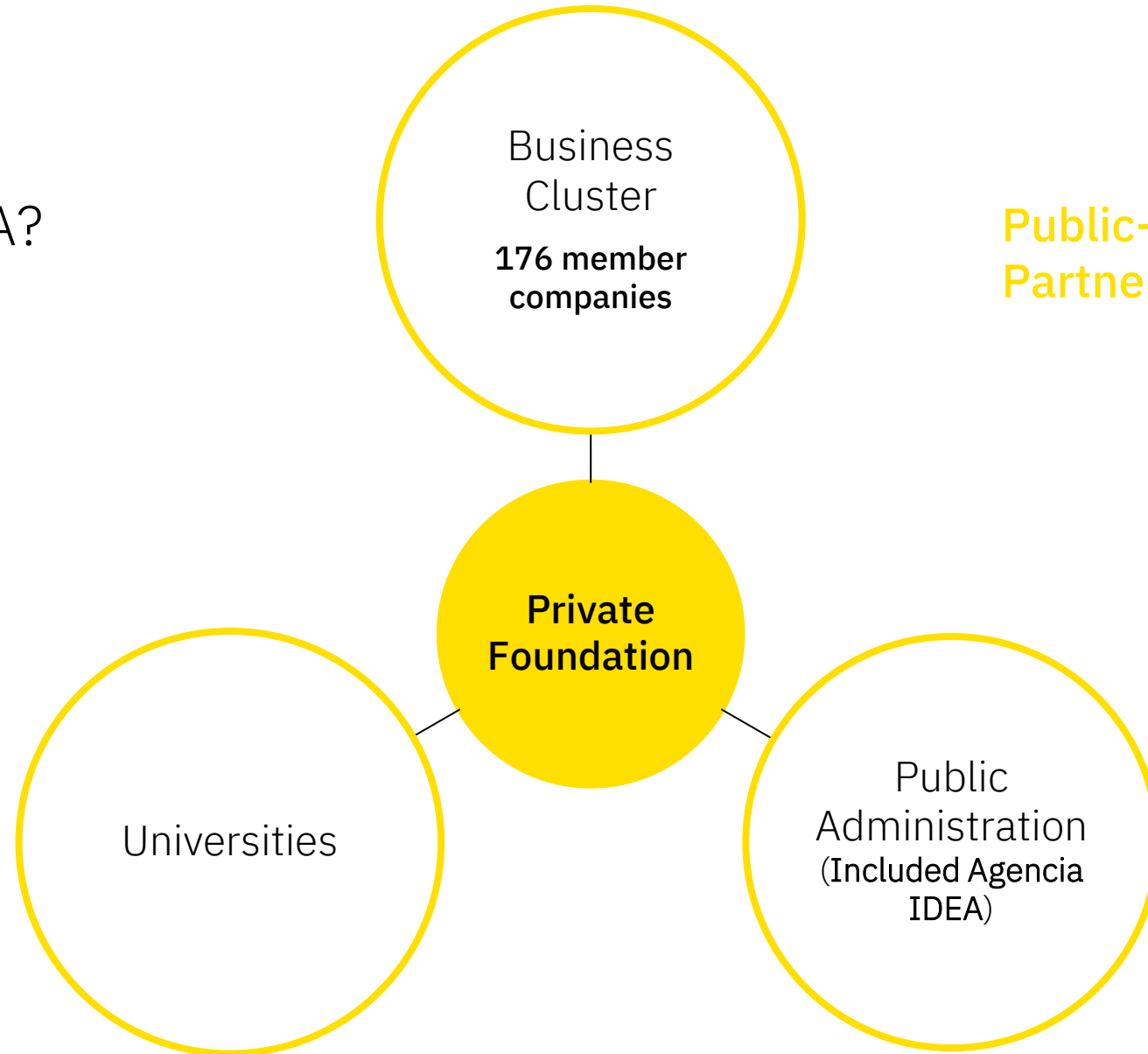
Andalusia

0,82% R&D expenditure as a percentage of GDP

32,33% R&D expenditure by business sector

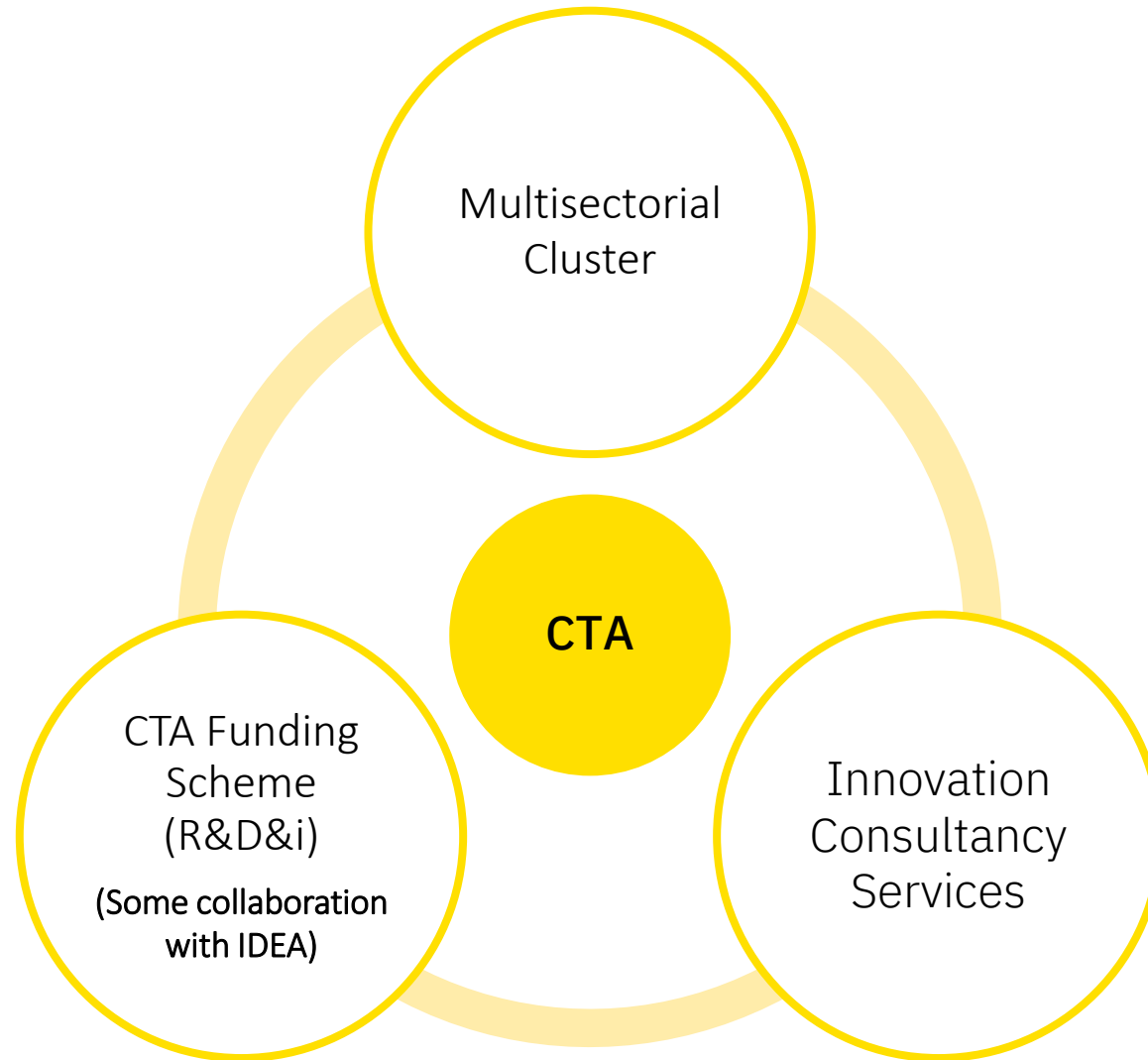


What is CTA?



**Public-Private
Partnership model**

What is CTA?



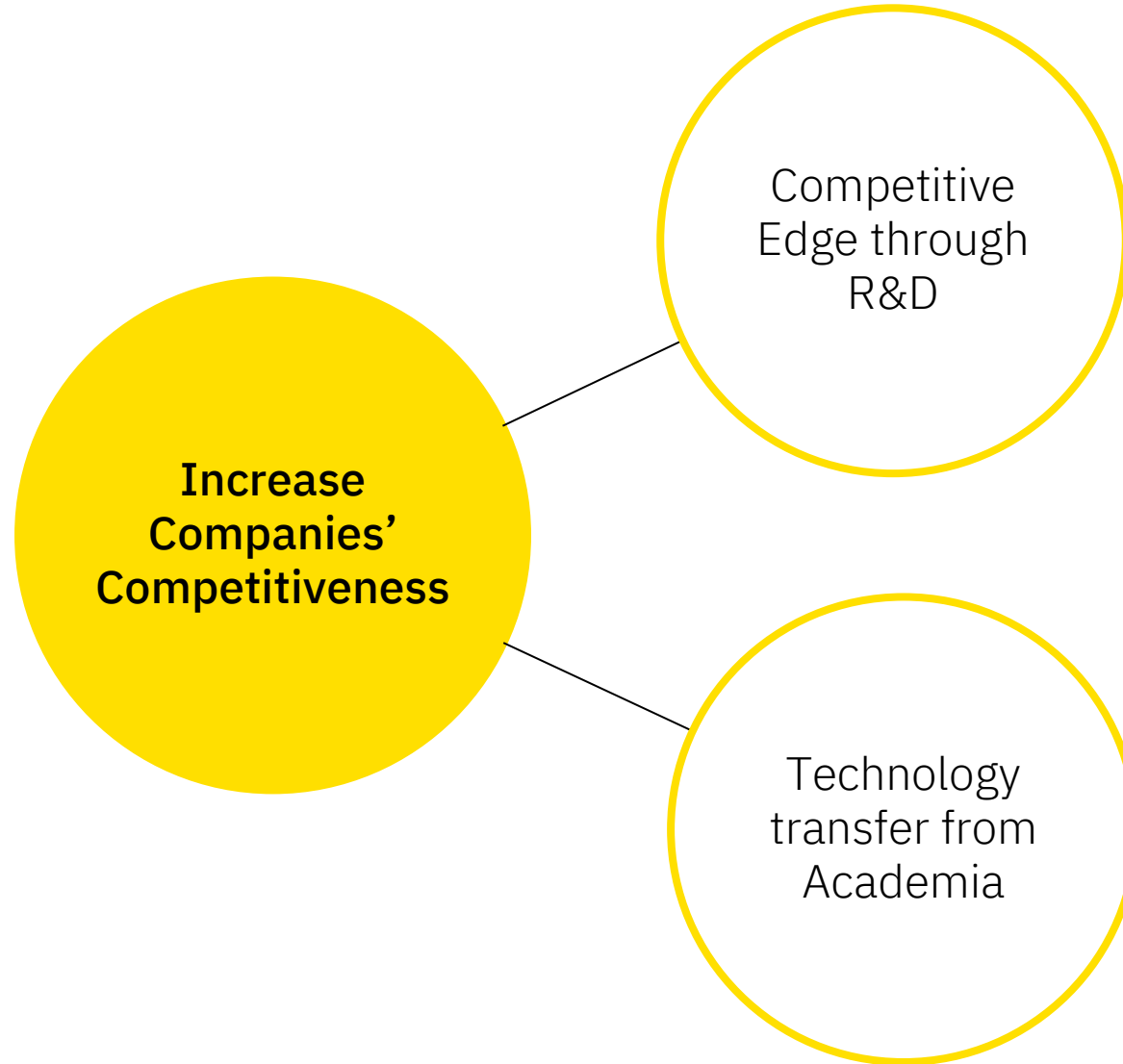
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CTA's Objective?

Increase
Companies'
Competitiveness



CTA 's Objective



Building and construction



Biotechnology



Agrifood



ICT



Aerospace and productive processes



Leisure and tourism



Energy and environment



CTA

CTA is a strategic ally for innovation

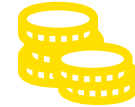
- ▲ Public administration **support** not control
- ▲ We promote R&D as a key to **competitiveness**
- ▲ Membership fees and public funds make our **funding scheme**
- ▲ **Coach** and learn to approach
- ▲ **Open innovation** inspired academia-industry project **collaboration**
- ▲ **Multisector** approach

What do we do?



R&D Project support

- Projects identifications, definition and planning
- Industry and scientific partners search
- Other than CTA funding identification



Funding

- Industry and academia collaborative projects funding
- Private funds, compatible with other programmes



Networking

- Innovative companies' forums
- R&D alignment between research groups and industry
- Public Administration access



Positioning

- Be part of the leading innovation cluster in Andalusia
- Major visibility for member companies

CTA Services

- ▲ **Strategic** advising on R&D&i
- ▲ Support for the **internationalisation** of R&D&i
- ▲ Search for funding for innovative companies
- Support in **open innovation** programmes
- ▲ Support in **IPP** processes
- ▲ Support for the University-Company technology transfer
- Support for technology-based
- ▲ **entrepreneurship**
- ▲ **Innovation** and Technology Watch studies and reports

CTA is a strategic partner in international innovation projects.

Multilateral market

- Skills and capacities to provide innovation services in countries where the innovation system is developing.
- CTA is a member of the **Extenda Multilateral Club (now TRADE)** and won its first multilateral tender in Peru in 2017 with a project funded by the IDB.

European projects

- Leader and partner in more than 20 projects financed by the European Commission (programmes H2020, Cosme, different types of Interreg, etc.)
- Expertise in project management of cascade funding.
- Bioeconomy, food and agriculture digitalisation, Blue Economy, Industry 4.0, energy efficiency, internationalisation, competitiveness of SMEs, etc.

Who can participate and how?

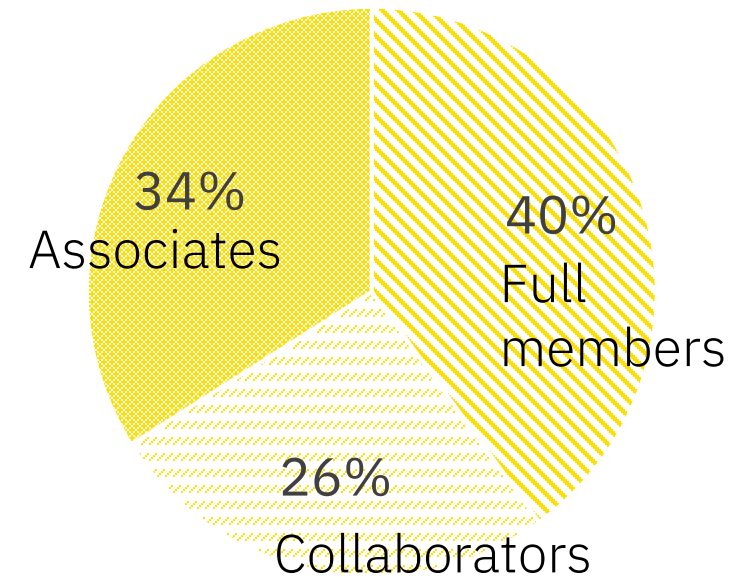
- ▲ **Companies** with a vocation to innovate
(over 170 companies)

Full member (€1 M)

Collaborating member (€240,000)

Associate member (€60,000)

- ▲ Andalusian public universities and research centres through their **research groups**
(377 PAIDI groups in projects)





CTA's key figures

From 40 to **176** member companies

+500 events and workshops

+5000 mobilised projects

+1000 projects submitted

794 approved projects

577M€ of mobilised budget

199M€ of incentives granted

377 research groups and over **1,000** researchers involved

€101M subcontracted to research groups

CTA





CTA

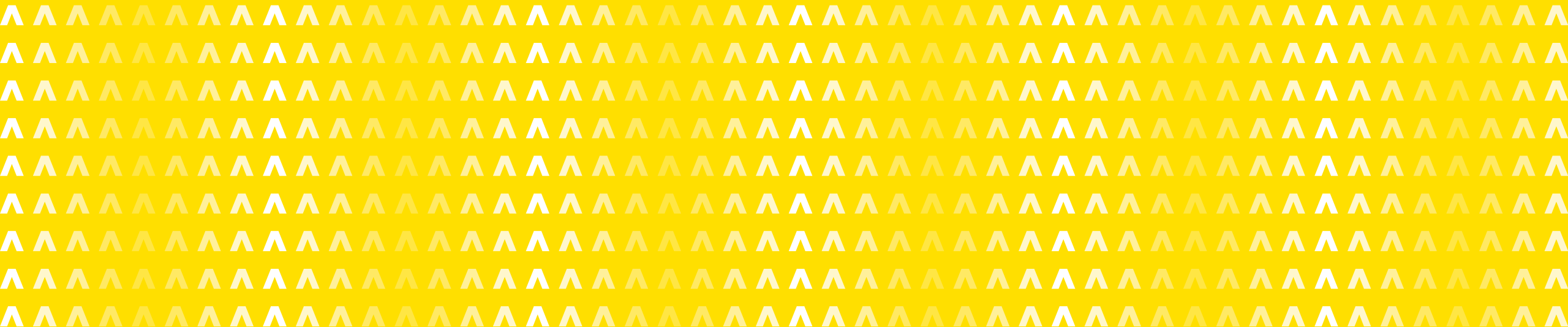
Our strength is our network



CTA

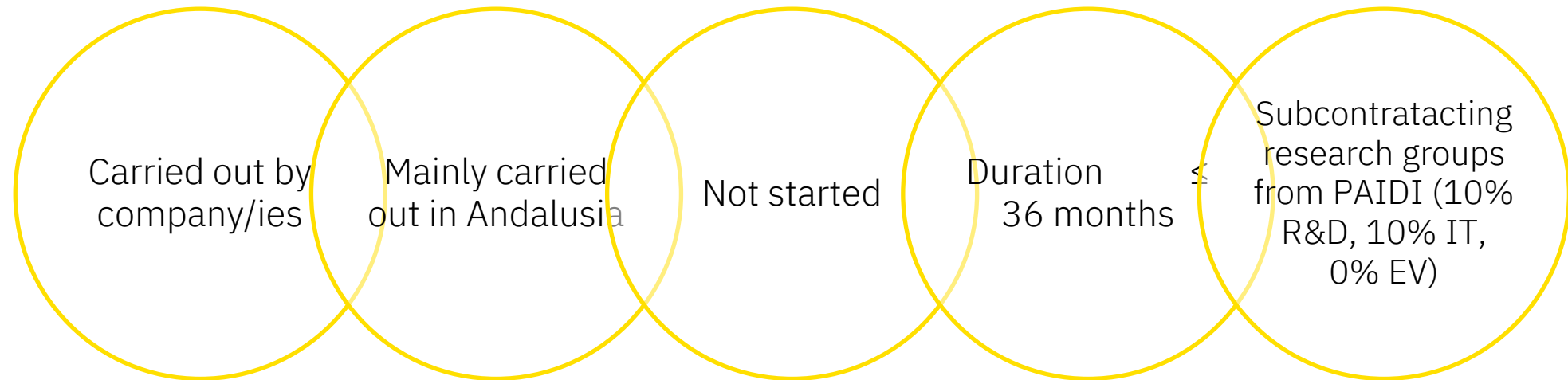
Funding

CTA



Characteristics of supported projects

R&D, Technology Innovation and viability study



Funding rate depends on:

R&D&i project consideration:

- Applied Research & Technology Development > Up to 50%
- Technology Innovation > Up to 40%
- Viability Study > Up to 35%

Evaluation scoring:

- Assessment carried out by external experts with focus on technological, commercial and social impact

Collaboration pluses:

- 5% in case of 2 companies' collaboration
- 10% in case of 3 companies' collaboration
(independent companies with a contribution of, at least, 5% of the total budget)

Funding characteristics

Funding

35% non-refundable (25% for viability study)

65% refundable loan, 0% interest, 3 years grace period, 10 years return (75% for viability study)

50% in advance, without any guarantee

No competitive call

Private funds, can be completed by other public funds (CDTI, H2020, Clean Sky)

Today 2021

Europe

↑ 28,9% R&D expenditure (% GDP)

↑ 21,5% R&D expenditure by business sector

Spain

↑ 19,5% R&D expenditure (% GDP)

↑ 0,4% R&D expenditure by business sector

Andalusia

↑ 31,7% R&D expenditure (% GDP)

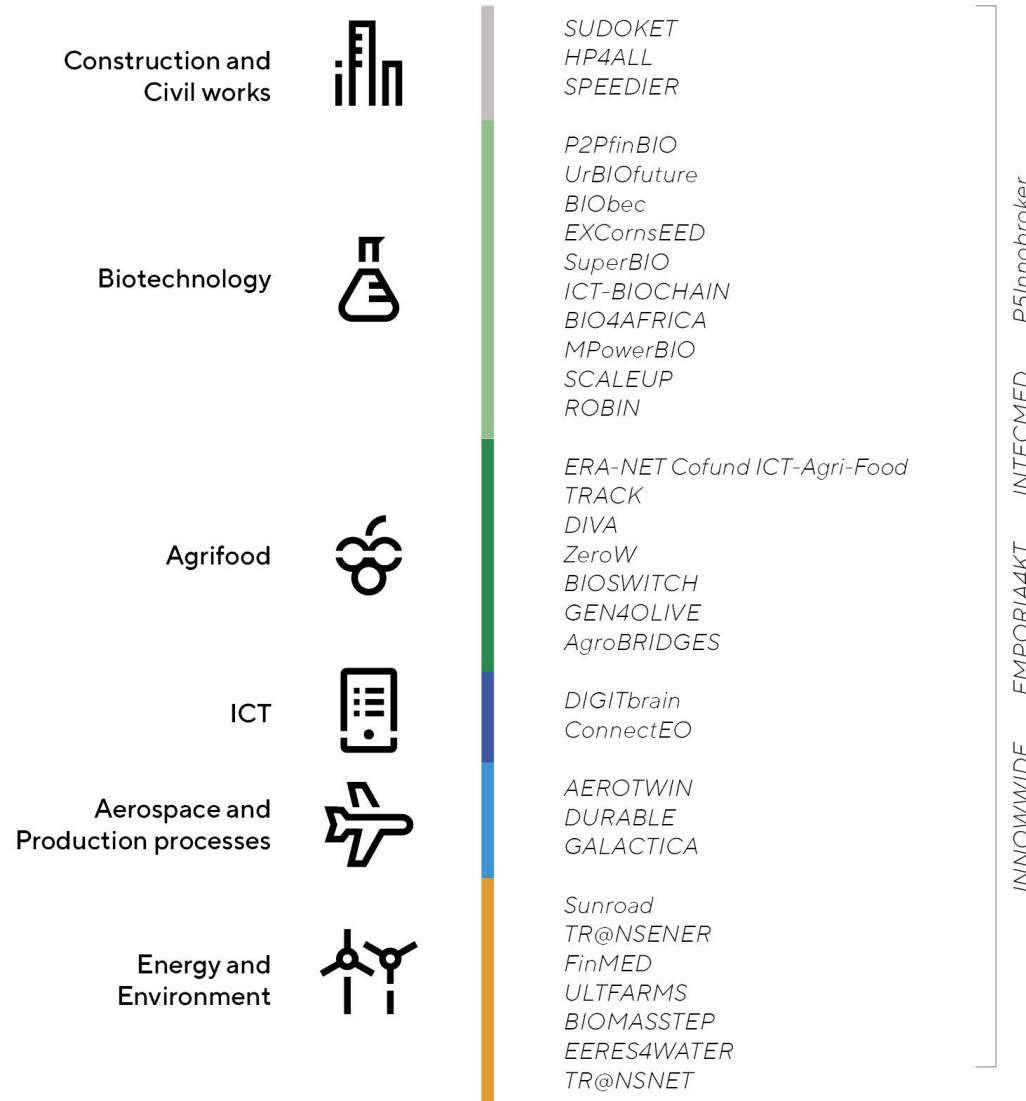
↑ 50% R&D expenditure by business sector



CTA European Funded Projects

CTA, partner in **+ than 50** European Projects

Bioeconomy / Digitalization in Agrifood / Circular Economy / Blue Economy /
Industry 4.0 / Energy Efficiency / Aerospace Tech / SMEs competitiveness /
Internationalisation...



CTA as a partner

Potential contributions

- V** **Value chain** (re)definition through a systemic vision of the **R&D+i ecosystem**.
- V** Financial support to third parties through **cascade funding projects**. In-house open call management and projects evaluation system.
- V** Support to **R&D+i results** commercialisation, **technology transfer** (*B2B and University-Business*) and **train-the-trainer programmes** development.
- V** **Techno-economic assessment** for entrepreneurial initiatives.
- V** Mentoring of **entrepreneurs and technology-based SMEs**.
- V** Design, implementation and management support for **Digital Innovation Hubs (DIH)**.
- V** Support to governments in **Public Procurement of Innovation (PPI)**.
- V** Support for **public-private partnerships (PPPs) development**.
- V** **Ad hoc reports on innovation**, best practices, etc.
- V** Quadruple helix stakeholder engagement and co-creation, **design thinking events, webinars and workshops organisation**.



Dissemination and communication activities:

More than 1.350 public media impact items/year
 Workshops / events / seminars / webinars organisation
 Innovation-oriented networking hub development, etc.

Strengthening Research and Innovation Excellence in Autonomous Aerial Systems

- **Programme:** Horizon Europe - HORIZON-WIDERA-2021-ACCESS-05-01 (CSA)
- **Grant amount:** 1 969 762.50 € (CTA amount: 191 250.00 €)
- **Duration:** 36 months (1 July 2022 - 30 June 2025)
- **Coordinator:** FER (Croatia)
- **Project Website:** <https://aerostream.fer.hr/aerostream>

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partners



Integrated and long-term cooperation in the field of autonomous aerial systems applications, with emphasis on smart agriculture, forestry, and logistics. **Increase in scientific excellence profiles of HEIs. Improvement of quality of innovation management, technology transfer and citizen involvement of HEIs**

CTA role: improve the quality of innovation management, technology transfer and citizen involvement of HEIs, increasing the cooperation with industry partners



Strengthening the resilience of textile, aerospace, and construction SMEs to transition towards greener and more digital sectors with social and business innovation

- **Programme:** Horizon Europe – HORIZON-CL4-2022-RESILIENCE-01-26 (CSA) – **CASCADE FUNDING**
- **Grant amount:** 4 999 646.25 € (CTA amount: 3.111.937,50 €)
- **Duration:** 36 months (1 December 2023 – 30 November 2025)
- **Coordinator:** Ateval (Spain)
- **Project Website:** <https://intransitproject.eu/>

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partners



Strengthen the resilience of **textile, aerospace and construction SMEs** towards greener and more digital sectors with social and business model, with a mixed support mechanism **including individual assessment support and a lump sum and coaching to ensure their consolidation and sustainability.**

CTA role: lead the activities related to the IN TRANSIT's financial and non-financial support to SMEs that will foster the innovative business models and new value chains towards the smart industry. Cascade Funding Manager.



Concepts, tools and applications for community-driven bioeconomy development in European rural areas

- **Programme:** HE. Call: HORIZON-CL6-2021-CIRCBIO-01. Topic: HORIZON-CL6-2021-CIRCBIO-01-08
- **Grant amount:** 2.999.888,00 € (CTA amount: 268.750, 00 €)
- **Duration:** 36 months (1/09/2022 - 31/08/2025)
- **Coordinator:** Ecologic Institute (ECO)
- **Project Website:** <https://www.scaleup-bioeconomy.eu/en/home/>



BioFuel Region



CTA

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partners



UNIMOS
alliance



Scale UP project aims to build capacity for sustainable rural development and support regional actors (farmers, companies, associations, entrepreneurs, researchers and public administration) to identify and develop innovative business models based on the bioeconomy.

CTA role: CTA coordinates the work package dedicated to the generation of business models, value chains and bio-based markets. To this end, CTA will generate the necessary spaces and conditions for co-creation, transparency and open innovation, as well as provide dedicated innovation support services (market assessment and business model design) to innovators.





Thank you!

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CTO

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