

Chips JU – National co-funding

Infoday Chips JU calls (2024) – 4 March, INL (Braga)

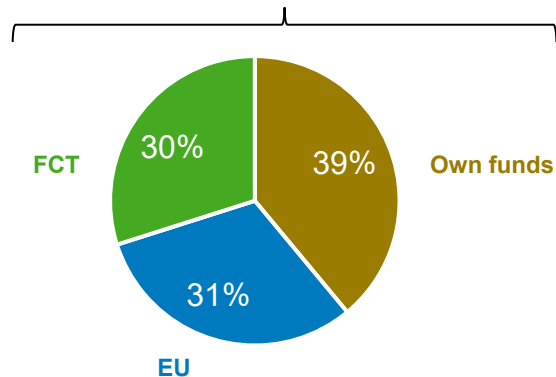
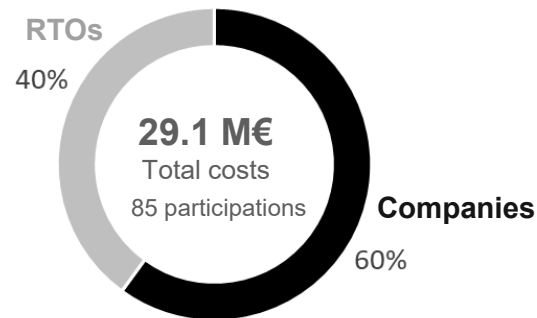
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ECSEL and KDT:

- **Portuguese participation in R&I calls**

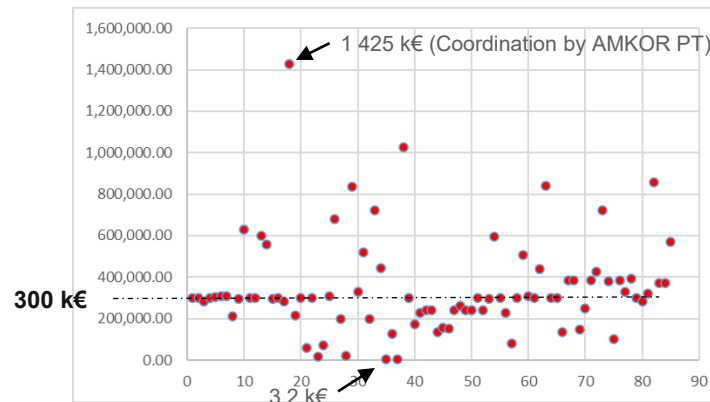
Portuguese participation in ECSEL and KDT (2014 – 2022)

Type of entity	Total costs	EU contribution	FCT contribution	Number of PT participations
Company	17.471 M€	4.959 M€	2.940 M€	43
RTO	11.633 M€	4.102 M€	5.762 M€	42
Total	29.104 M€	9.060 M€	8.703 M€	85

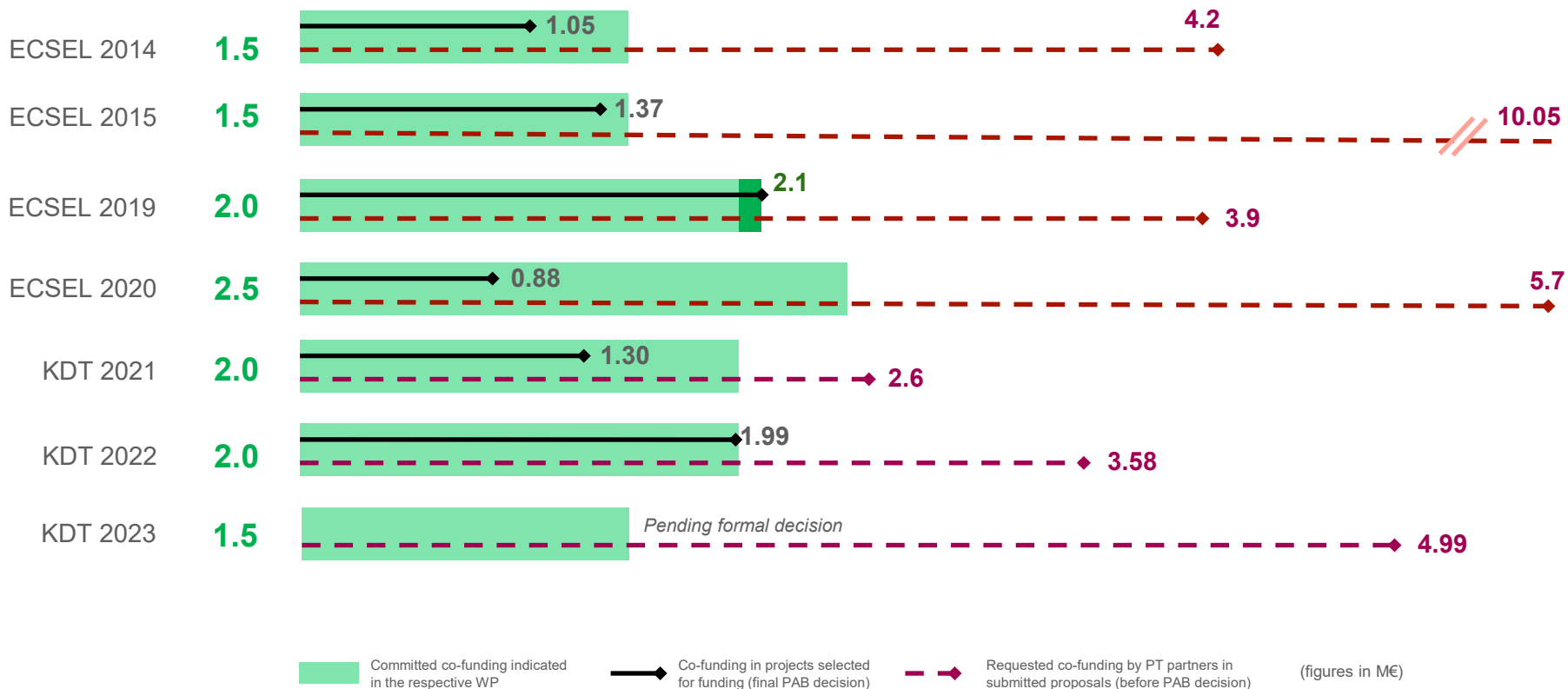


➤ **8.7M€** of FCT co-funding leveraged **29.1M€** of total costs (2014 to 2022)

Distribution of total costs for PT partners in ECSEL e KDT projects



National co-funding (FCT) in ECSEL and KDT R&I calls



Portuguese participation in ECSEL and KDT projects



ECSEL 2014 ECSEL 2015	MANTIS	Cyber Physical System based Proactive Collaborative Maintenance
	SWARMS	Smart and Networking UnderWater Robots in Cooperation Meshes
	SafeCOP	Safe Cooperating Cyber-Physical Systems using Wireless Communication
	REFERENCE	Rf Engineered substrates to FostER fEm performance
	SemI40	Power Semiconductor and Electronics Manufacturing 4.0
	ENABLE-S3	European Initiative to Enable Validation for Highly Automated Safe and Secure Systems
ECSEL 2016 ECSEL 2017 ECSEL 2018	I-MECH	Intelligent Motion Control Platform for Smart Mechatronic Systems
	EuroPAT-MASIP	European Packaging, Assembly and Test Pilot for Manufacturing of Advanced System-in-Package
	Productive4.0	Electronics and ICT as enabler for digital industry and optimized supply chain management covering the entire product lifecycle
	SCOTT	Secure COnnected Trustable Things
	POSITION-II	A pilot line for the next generation of smart catheters and implants
	OCEAN12	Opportunity to Carry European Autonomous drivINg further with FDSOI technology up to 12nm node
	AFarCloud	Aggregate Farming in the Cloud
	SECRETAS	Cyber Security for Cross Domain Reliable Dependable Automated Systems
Arrowhead Tools	Arrowhead Tools for Engineering of Digitalisation Solutions	

Portuguese participation in ECSEL and KDT projects



ECSEL 2019
ECSEL 2020

Moore4Medical	Accelerating Innovation in Microfabricated Medical Devices
InSecTT	Intelligent Secure Trustable Things
ADACORSA	Airborne data collection on resilient system architectures
ANDANTE	Ai for New Devices And Technologies at the Edge
VALU3S	Verification and Validation of Automated Systems' Safety and Security
DAIS	Distributed Artificial Intelligent Systems
IMOCO4.E	Intelligent Motion Control under Industry4.E

KDT 2021
KDT 2022

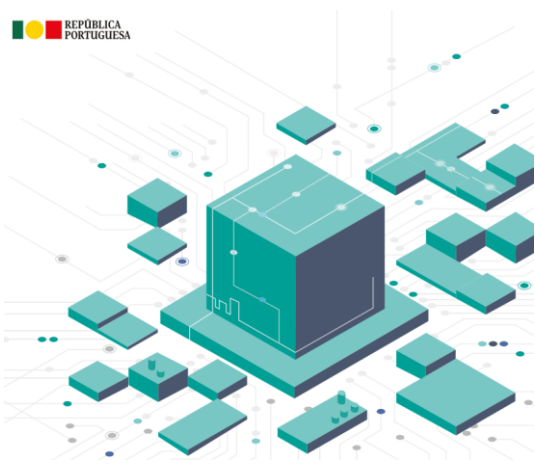
OPEVA	OPEVA - OPTimization of Electric Vehicle Autonomy
A-IQ Ready	Artificial Intelligence using Quantum measured Information for realtime distributed systems at the edge
BRIGHTER	Breakthrough in micro-bolometer imaging
ARROWHEAD FPVN	Arrowhead Flexible Production Value Networks
EECONE	European ECOSystem for greenN Electronics
SUSTRONICS	Sustainable and green electronics for circular economy
NERVE REPACK	Intelligent neural system for bidirectional connection with exoprostheses and exoskeletons
R-PODID	Reliable Powerdown for Industrial Drives

Chips JU: National co-funding

- **R&I calls (non-initiative)**
- **Chips for Europe Initiative (Chips Act – Pilar I):**
 - **Competence Centres**

National Strategy on Semiconductors

➤ [See full text here](#)



Objectives:

- “Empowering Portugal in the microelectronics and semiconductor sector, ensuring a contribution to the EU’s joint resilience and greater strategic autonomy, benefiting, and **boosting the national scientific and technological system**, for the creation of added value by our productive system”
- “Create a **Competence Centre** that aggregates the capacity distributed throughout the country [...]”
- “**Involve industry in the strategic development process**, mobilising the human and technological resources [...]”
- “Identify complementarities and synergies at national level [...] **boosting research, development, innovation and production** geared towards the technological needs of the global value chain”

Intervention axes:

- **Axis 1:** Strengthening specialised training and specific skills in microelectronics and semiconductors
- **Axis 2:** Expansion of the national chip design and advanced packaging ecosystem
- **Axis 3:** Increasing technological transfer in emerging areas

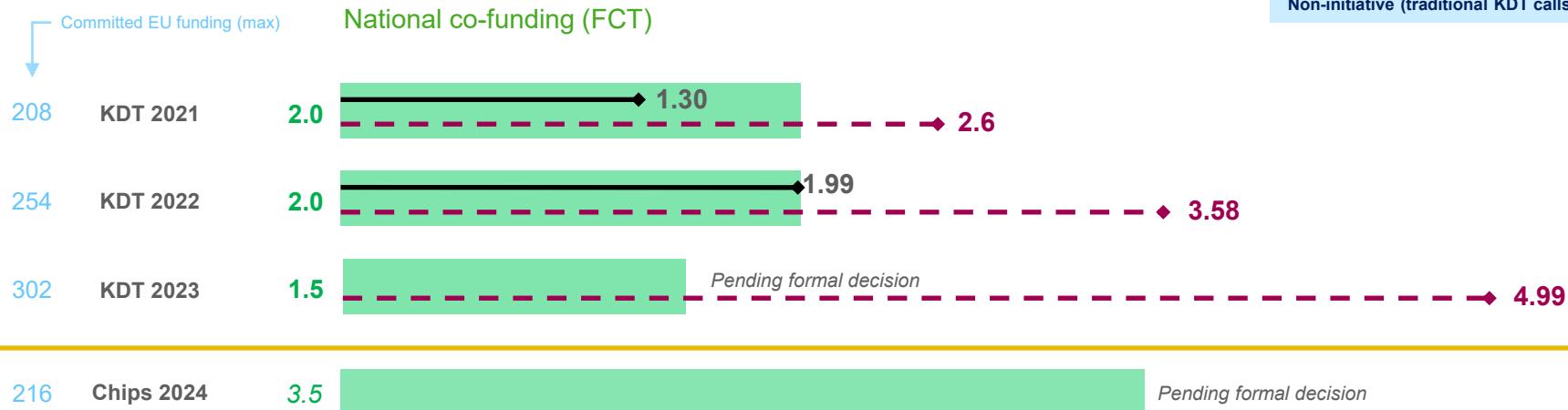
Budget (2024-27)

Ano / Year	Montante (Em euros) / Amount (In euros)			
	PT			EU / EU
	FCT - Fundação para a Ciência e a Tecnologia, I. P.	ANI - Agência Nacional de Inovação, S. A.	Montante total / Total amount	
2024	5 342 000	33 931 000	39 273 000	69 515 000
2025	5 225 000	30 977 000	36 202 000	63 463 000
2026	4 718 000	18 139 000	22 857 000	37 162 000
2027	4 715 000	18 069 000	22 784 000	37 018 000
Total	15 282 000	101 116 000	121 116 000	207 158 000

R&I calls (non-initiative)



Non-initiative (traditional KDT calls)



Committed co-funding indicated in the respective WP

Co-funding in projects selected for funding (final PAB decision)

Requested co-funding by PT partners in submitted proposals (before PAB decision)

(figures in M€)

Competence Centre for Semiconductors (“Chips CC”)



Chips for Europe Initiative

Axis 1 of the National Strategy on Semiconductors:

Reinforcement of specialised training and specific skills in the area of microelectronics and semiconductors: creation in Portugal of a Competence Centre dedicated to the areas of microelectronics and semiconductors, enabling it as a national entity responsible for:

- Specialised training and support for the national ecosystem
- Access to the international network and the EU Chips Act tools

National pre-selection (*draft information – tbc*):

- Candidate consortia must have broad national coverage (minimum 3 entities)
- **Evaluation criteria:**
 - Relevance; Implementation; Impact (== Chips JU call)
 - Technological Scope: chip design, adv. packaging, emerging areas (photonics, cointegration, flexible and sustainable electronics and sensors)
- Pre-selection of **one** national consortium

Chips JU selection (WP 2024):

- Pre-selected national candidate may apply to the Chips JU call

Funding: 50% EU + 50% National for 4 years

- National co-funding (FCT) up to 1M€
- EU co-funding (Chips JU) up to 1M€

The national co-funding **will be indicative and conditioned to the final selection** of the pre-selected candidate in the Chips JU selection

WP 2024 1 st wave of Chips CCs	National pre-selection	Chips JU selection
	<i>By end of May 2024 (tbc)</i>	08/07/2024 – 17/09/2024

Thank you for your attention