



# Key Digital Technologies Joint Undertaking: who we are



We are an **autonomous EU body**, providing funding for RD&I projects on ECS (Electronic Components and Systems)



## Goals

- reinforce the Union's **strategic autonomy** in electronic components and systems;
- promote the active **involvement of SMEs**;
- ensure that components and systems technologies address Europe's **societal and environmental challenges**;
- establish Union innovation **leadership** in emerging components and systems technologies;



## Legal base

- Council Regulation (EU) 2021/2085 of 19 November 2021 (SBA) establishing the Joint Undertakings under Horizon Europe



Legal successor to ECSEL JU

# ACHIEVEMENTS OF ECSEL JU 2014-2021

96 projects including 4 CSAs

3 220 beneficiaries

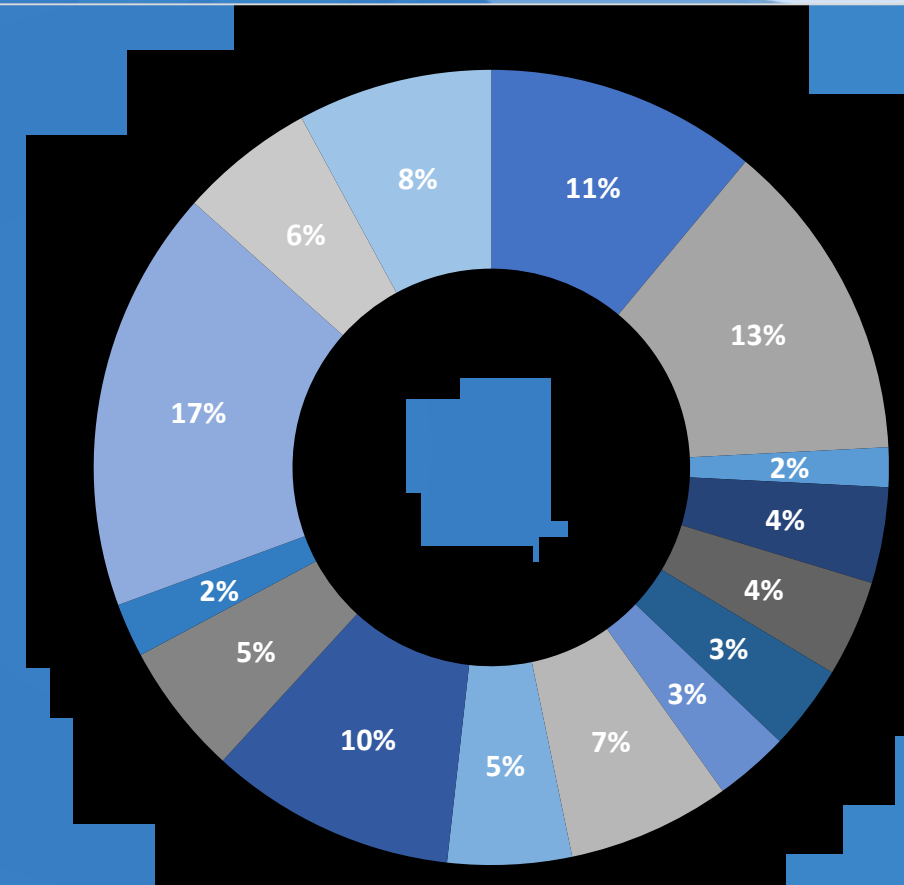
4.7 billion Euro invested

2.3 billion Euro in funding  
(EU+national)

408 500 Personmonths

Participants from 35 countries

- More Moore: CMOS; SOI
- More Than Moore - Power (GaN, Si SiC)
- MtM - Imaging
- MtM - Sensors and MEMS
- MtM - LED, microbatteries, acoustics
- MtM - Packaging
- Neuromorphic chips
- Mobility related hardware
- Edge Computing systems
- Autonomous systems
- Medtech
- Smart Grid
- Industry4.0
- CPS connected
- CPS general



# Who are our members?

## The members of the KDT JU



the public authorities consisting of:

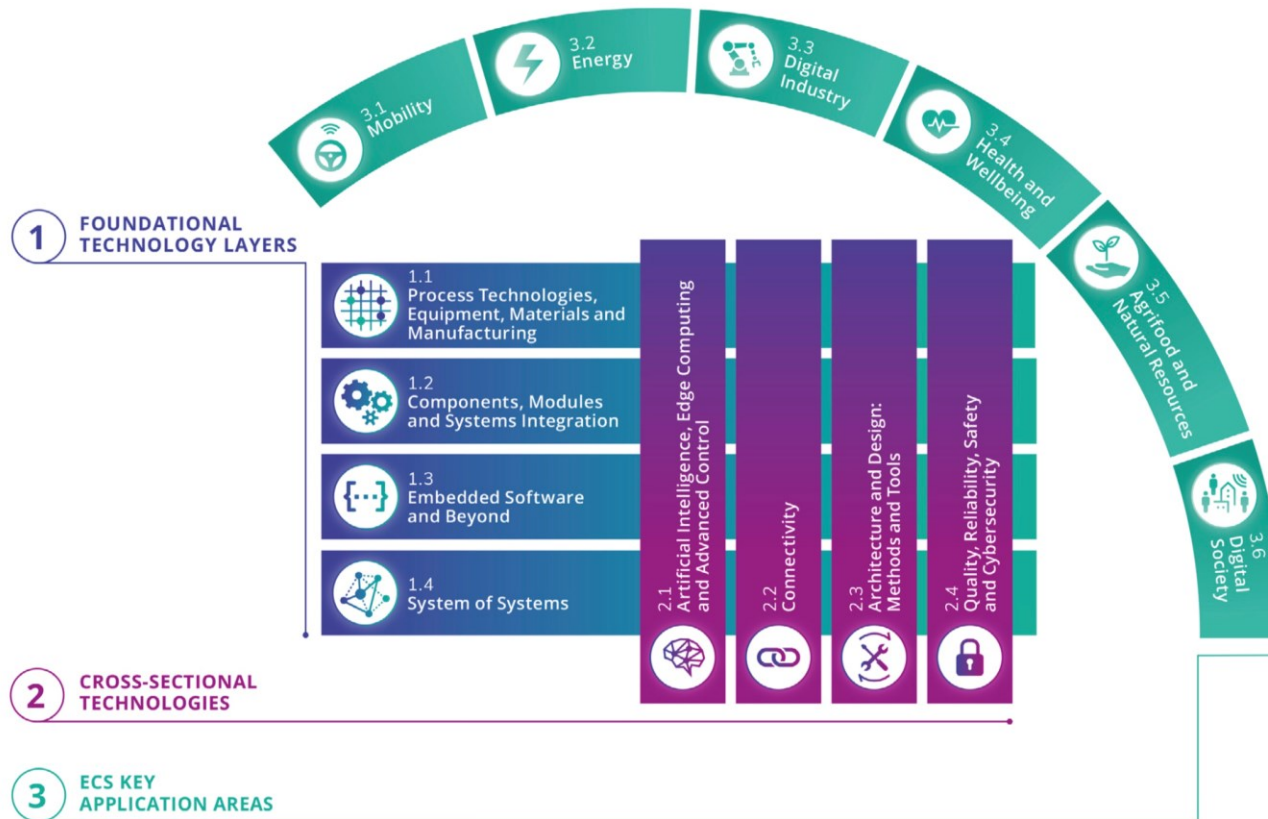
- ✓ the Union, represented by the Commission;
- ✓ the following participating states: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Israel, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Turkey.



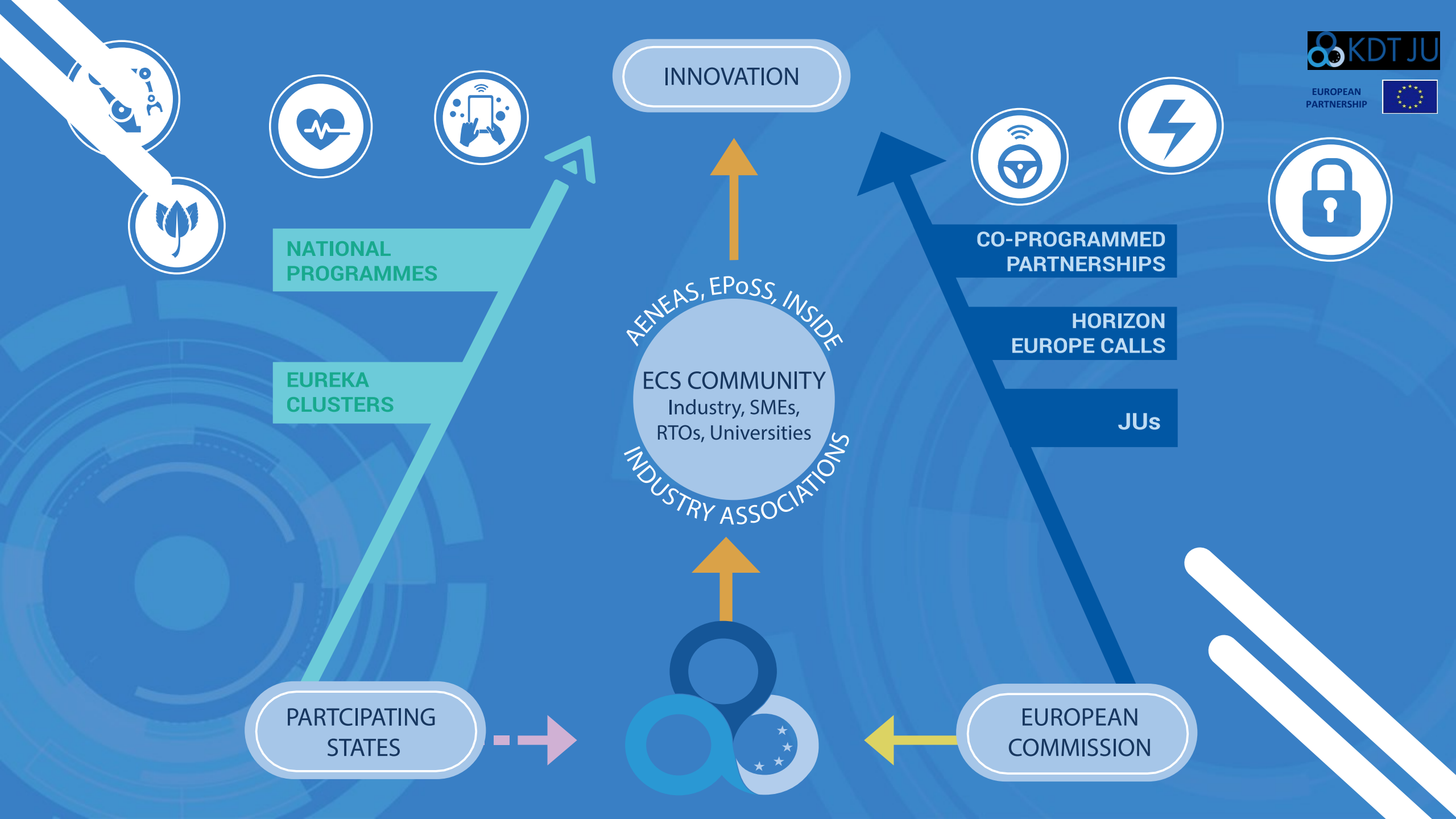
the private members consisting of the following Industry Associations: AENEAS, EPoSS, Inside.



## VISION, CHALLENGES & TECHNOLOGIES



- Boost **industrial competitiveness** through **interdisciplinary** technology innovations.
- Ensure/reinforce **EU strategic autonomy** through secure, safe and reliable ECS supporting key European application domains.
- Establish and strengthen sustainable and resilient ECS value chains **supporting the Green Deal**.
- Unleash the full potential of intelligent and autonomous ECS-based systems for a **European digital era**.



# KDT JU CALLS 2023

-  Launch in February 2023
-  Boosting industrial competitiveness through interdisciplinary technology innovations
-  Several topics
  - ECS-SRIA 2023
  - Energy
  - Telecommunications systems
  - Edge AI
  - Software for mobility, and more.

# How to start?

## Go to KDT JU call webpage!

### Current call

<https://www.kdt-ju.europa.eu/current-call>

Information about the Calls of 2022 will be available here in due course.



2022 All information under this button!

### *KDT JU Calls 2022*

The KDT JU Calls for 2022 are open as of 3 May 2022 with deadline for submissions on 21 September 2022. The KDT JU Programme is open to any organisation that can make a contribution to the RD&I objectives of the programme.

[View details](#)



# Structure and Topics

## *KDT JU opens 2 concurrent Calls in 2022*

- **HORIZON-KDT-JU-2022-1 IA**

- HORIZON-KDT-JU-2022-1-IA-Topic-1-General according to ECS SRIA 2022 (IA)
- HORIZON-KDT-JU-2022-1-IA-Focus-Topic-2- Industrial supply chain for silicon photonics (IA)
- HORIZON-KDT-JU-2022-1-IA - Focus Topic 3: Design of Customisable and Domain Specific Open-source RISC-V Processors (IA)

- **HORIZON-KDT-JU-2022-2 RIA**

- HORIZON-KDT-JU-2022-2-RIA-Topic-1-General according to ECS SRIA 2022 (RIA)
- HORIZON-KDT-JU-2022-2-RIA - Focus Topic 2-Ecodesigned smart electronic systems supporting the Green Deal objectives (RIA)

## Who can participate?

Any legal entities (e.g., businesses, research organisations, international European interest organisations) based in the EU or in other countries associated to the Horizon Europe programme. However, legal entities based in other non-EU countries and international organisations may also be eligible under some conditions.



\*  
3<sup>rd</sup> countries not  
associated to HE may be  
allowed to participate to  
KDT JU with their own  
budget

# How to participate?

Three industry associations:

- AENEAS
- EPoSS
- INSIDE

<https://aeneas-office.org/collaboration/ecs-tool/>

<https://www.inside-association.eu/>

<https://www.smart-systems-integration.org/>



## ECS Collaboration Tool

A networking tool for project ideas and potential partners.

Inside and AENEAS have now merged their collaboration support tools into a single co-managed service: the ECS Collaboration Tool. AENEAS and Inside Industry Association wanted to create one tool to facilitate easy information exchange within the ECS community and allow the collection and management of all relevant data, ideas and project proposals in one place.



### Create a project idea

Initiate a project idea in the ECS Collaboration Tool, invite partners and browse other project ideas.



### Look for a partner

Use the partner search on ECS Collaboration Tool to look for possible partners based on their expertise and invite them to join your project idea.

# EU budget and Funding Rates

The overall EU budget (JU contribution) for Calls 2022 is: **€ 254.5 million**

Type of beneficiary	IA	IA Focus Topic	RIA	RIA Focus Topic
Large Enterprise	20 %	25 %	25 %	25 %
SME	30 %	35 %	35 %	35 %
University/Other (not for profit)	35 %	35 %	35 %	35 %

**National funding shall be commensurate to the EU funding rates.**

# 10 GOOD REASONS TO PARTICIPATE IN KDT JU PROJECTS

1

CRITICAL  
MASS

2

VALUE  
CHAIN  
PROJECTS

3

BUILDING  
TRUST

4

CREATING  
PROJECT  
PIPELINES

5

PUSHING NEW  
PROJECTS &  
TECHNOLOGY

6

SYNERGIES  
ACROSS  
APPLICATION  
&  
TECHNOLOGY  
DOMAINS

7

WORKING  
ACROSS  
COMPETITION,  
SHARING  
INNOVATION  
RISK

8

EDUCATION  
OF  
ENGINEERS /  
SCIENTISTS  
IN NEW  
TECH

9

MAKING  
DIFFERENCE  
FOR THE  
PLANET &  
HUMANITY

10

COOPERATION  
ACROSS  
PROGRAMMES



# KDT JU & the Chips Act





**Thank you for your attention**

Luciano Gaudio  
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