Xecs

Eureka Clusters workshop, online

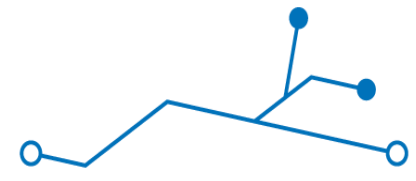16. November 2023

Nadja Rohrbach, Xecs Director
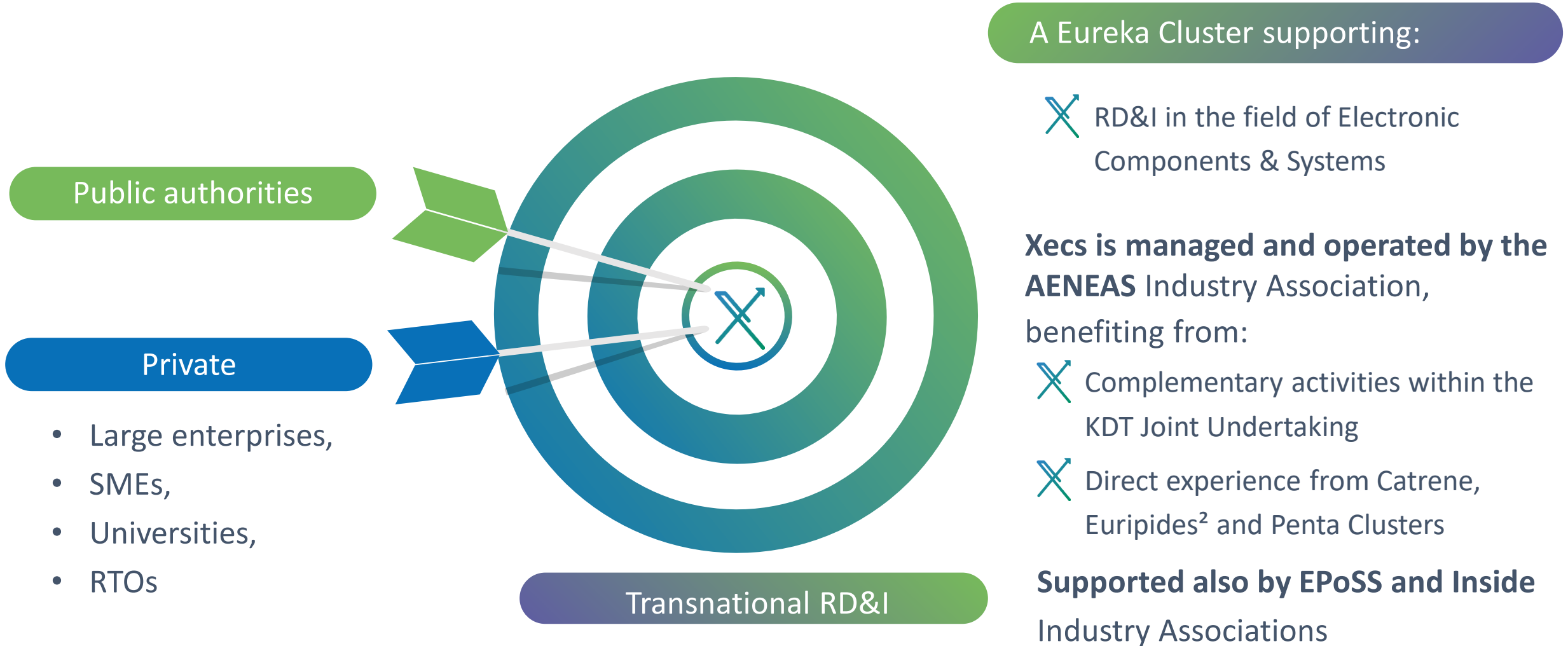
Aeneas   Σeureka

Xecs - A Eureka Cluster

Public authorities

Private

- Large enterprises,
- SMEs,
- Universities,
- RTOs

Transnational RD&I

A Eureka Cluster supporting:

RD&I in the field of Electronic Components & Systems

Xecs is managed and operated by the AENEAS Industry Association, benefiting from:

Complementary activities within the KDT Joint Undertaking

Direct experience from Catrene, Euripides² and Penta Clusters
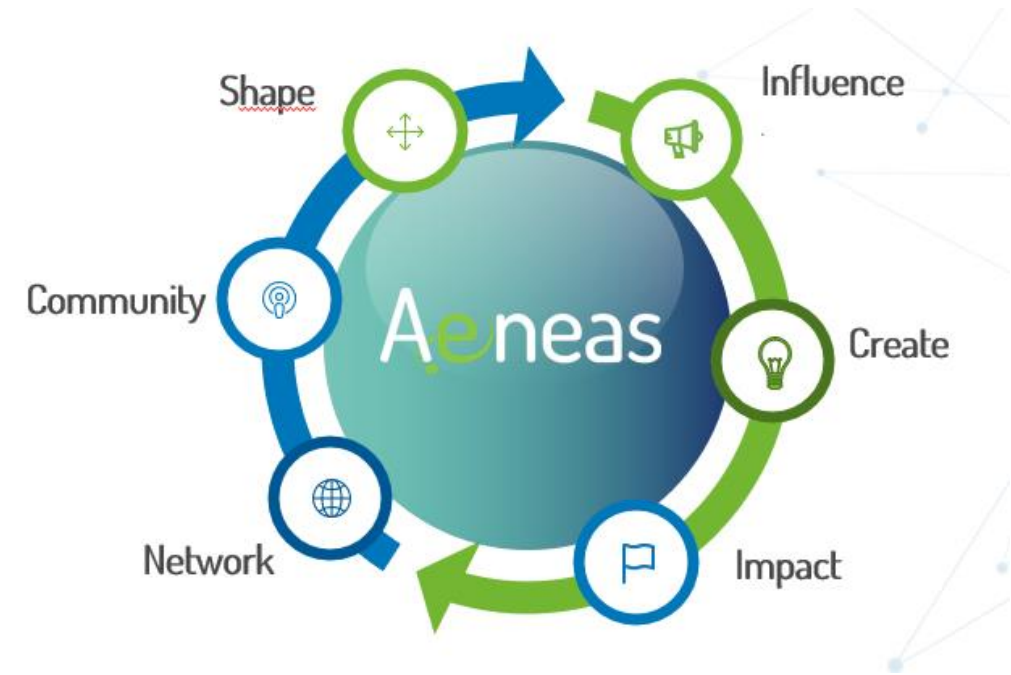
Supported also by EPoSS and Inside Industry Associations

Who is AENEAS?

- AENEAS is a not-for-profit Industry Association, with members from Large industries, Small and Medium Enterprises, Research institutes, academia, that catalyses RD&I collaborative activity in the Electronic Components & Systems value chain supporting the development of the digital economy
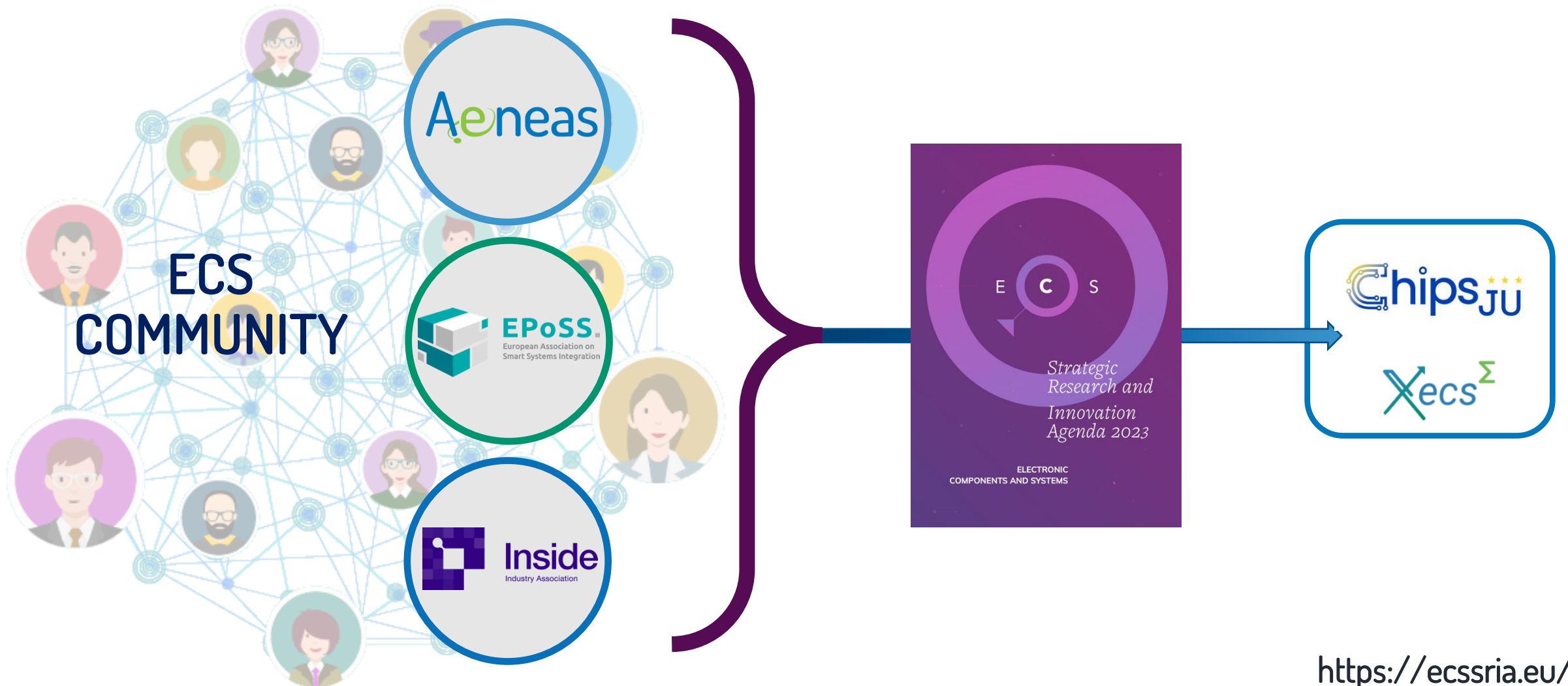
AENEAS members are key industrial players

Kurt Sievers, President and CEO of NXP Semiconductors, is AENEAS President

540+

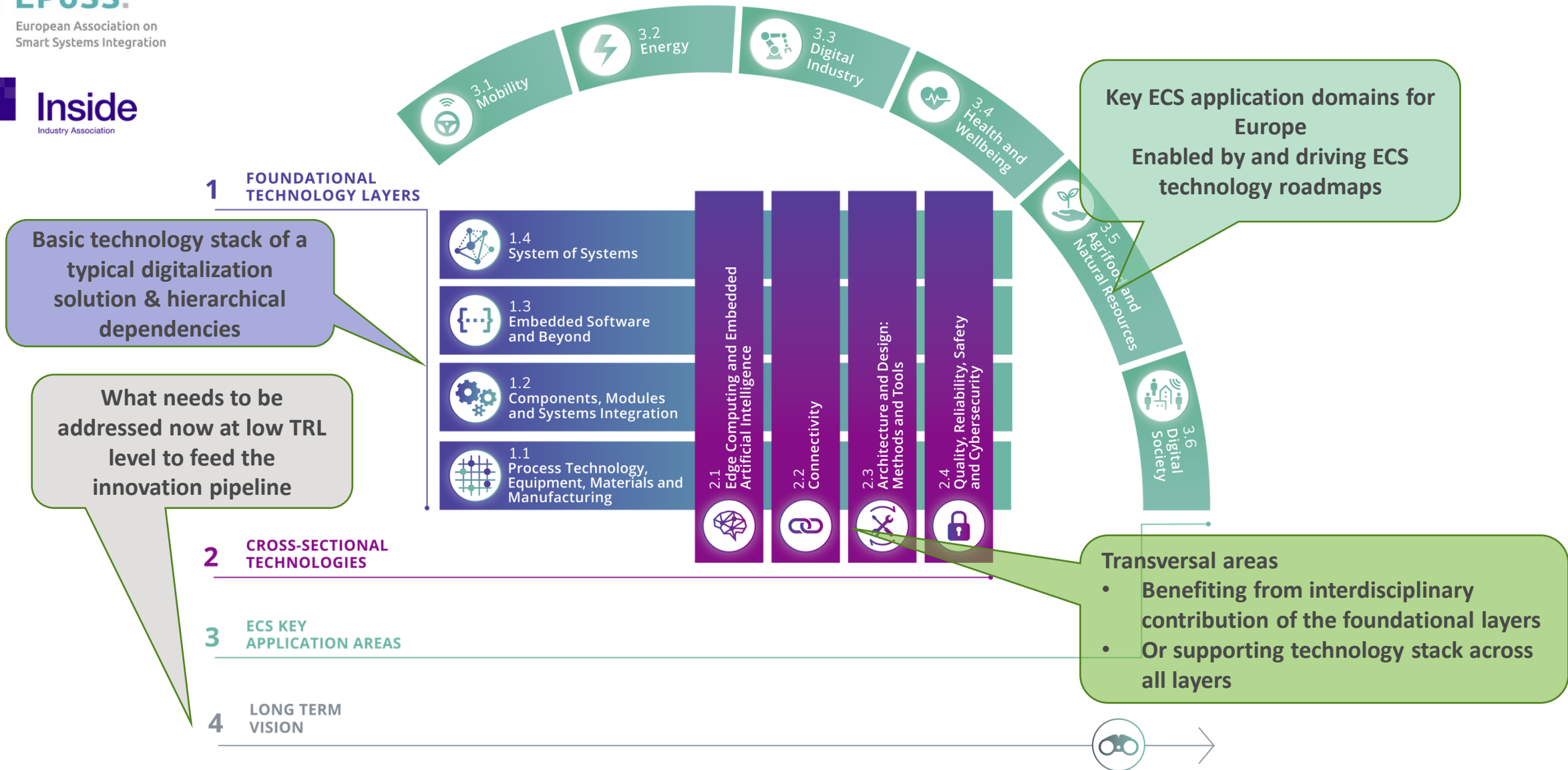540 members at the end of June 2023:
50% SMEs, 24% RTO, 23% Corporate, 4% Associate

The ECS Strategic Research and Innovation Agenda Basis for Chips JU and Xecs Calls

ECS COMMUNITY
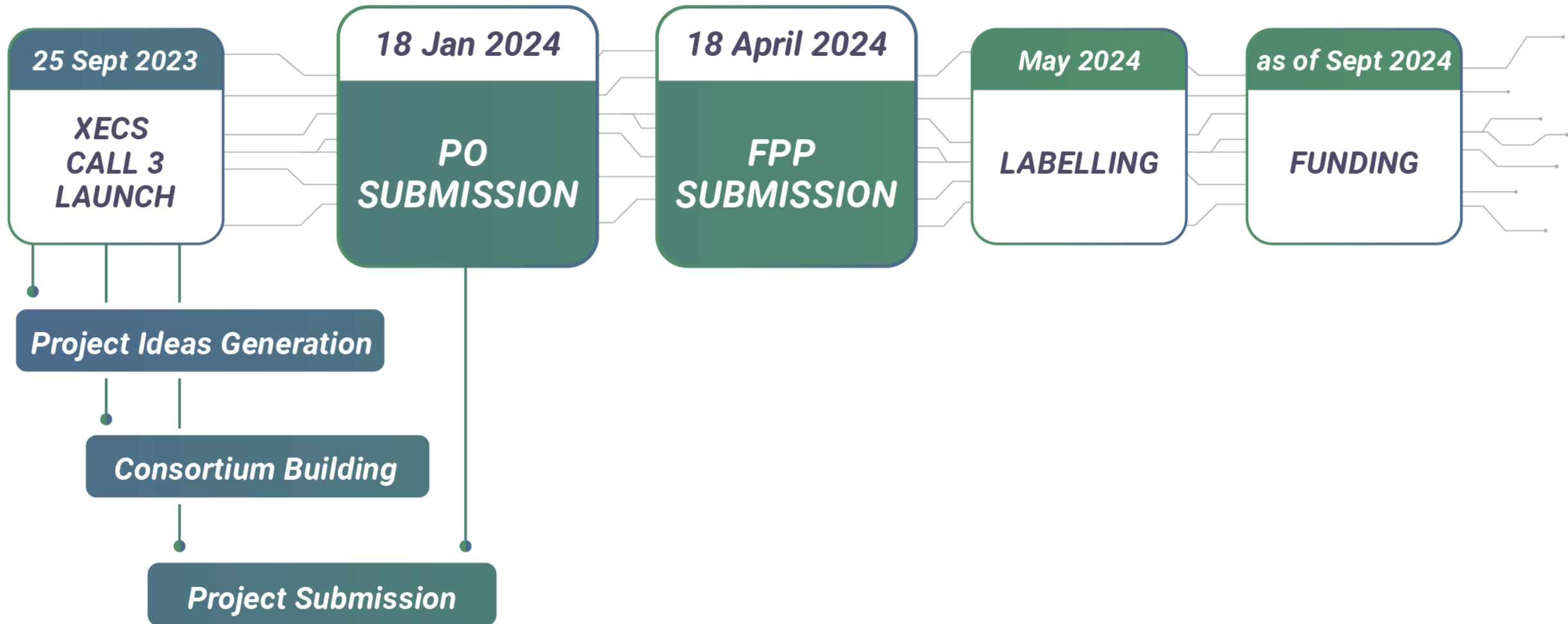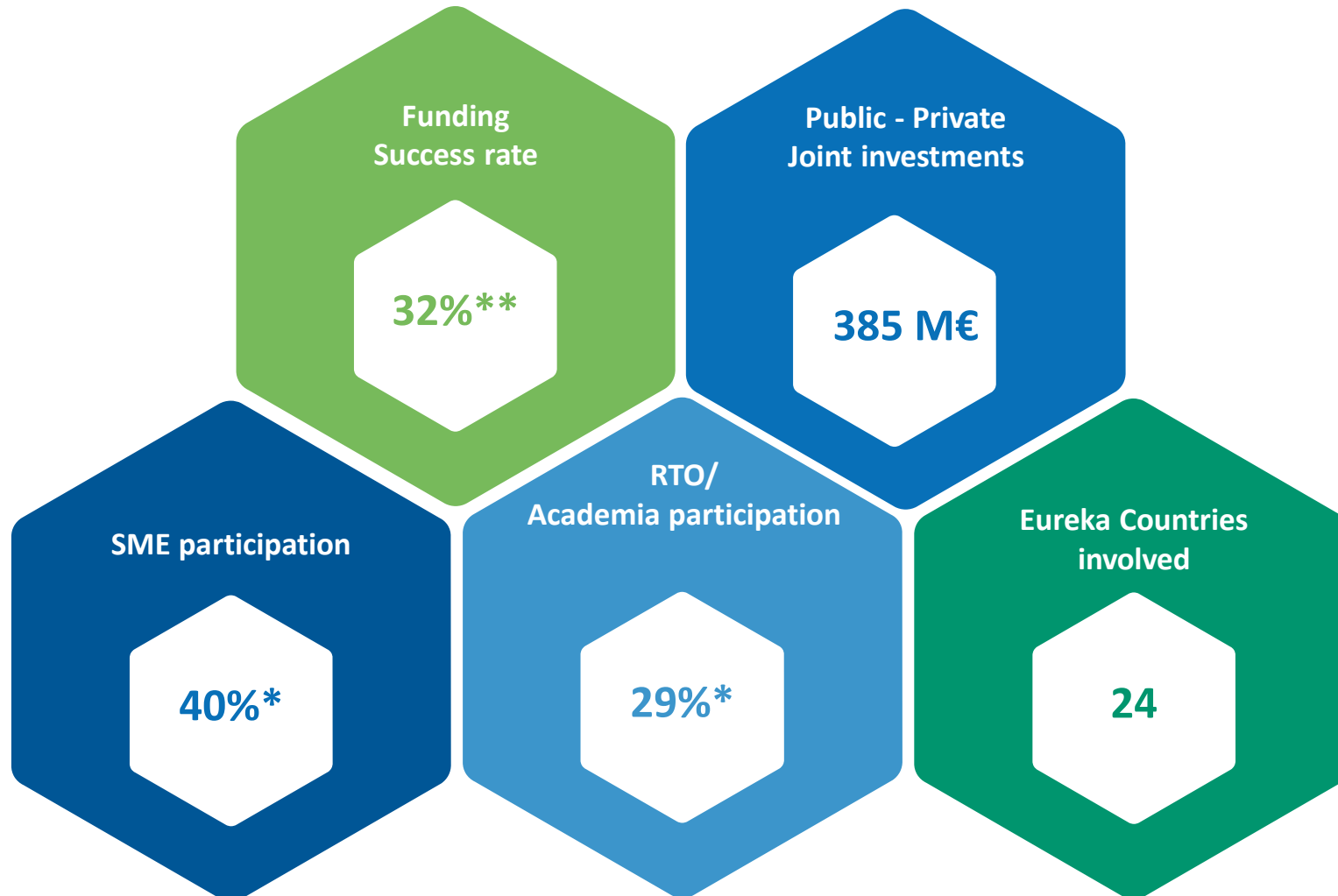
Aeneas

EPoSS.
European Association on Smart Systems Integration

Inside
Industry Association

ECS
Strategic Research and Innovation Agenda 2023

ELECTRONIC COMPONENTS AND SYSTEMS

ChipsJU

Xecs Σ

https://ecssria.eu/

ECS-SRIA structure

Key ECS application domains for Europe
Enabled by and driving ECS technology roadmaps

3.1 Mobility
3.2 Energy
3.3 Digital Industry
3.4 Health and Wellbeing
3.5 Agrifood and Natural Resources
3.6 Digital Society

1 FOUNDATIONAL TECHNOLOGY LAYERS

Basic technology stack of a typical digitalization solution & hierarchical dependencies

1.4 System of Systems

1.3 Embedded Software and Beyond

1.2 Components, Modules and Systems Integration

1.1 Process Technology, Equipment, Materials and Manufacturing

What needs to be addressed now at low TRL level to feed the innovation pipeline

2.1 Edge Computing and Embedded Artificial Intelligence

2.2 Connectivity

2.3 Architecture and Design: Methods and Tools

2.4 Quality, Reliability, Safety and Cybersecurity

2 CROSS-SECTIONAL TECHNOLOGIES

3 ECS KEY APPLICATION AREAS

4 LONG TERM VISION

Transversal areas
- **Benefiting from interdisciplinary contribution of the foundational layers**
- **Or supporting technology stack across all layers**

Aeneas

EPoSS.
European Association on Smart Systems Integration

Inside
Industry Association

6

How Xecs works

Idea Generation
- Idea Generation
- Brokerage
- Consortium Building
- Project Outline submission

Two step review process
- Two step review process
- Full Project Proposal submission
- Labelling & Funding decisions

Xecs
- Change Request Process
- Project Start
- Project Monitoring
- Final Review
- Long-term impact analysis

Eligibility criteria

X Your project idea must represent international cooperation in the form of a specific project.

X Your project is industry-driven, technically innovative and application-oriented.

X Your consortium must include at least two independent legal entities from two Eureka countries, covering at least an essential section of the complete electronic components and systems value chain. We recommend involving **partners from at least three countries.**

X The project must involve **at least 35 person years**.

X Your project must be directed at researching or developing an innovative product, process or service

X Your project must have a civilian purpose.
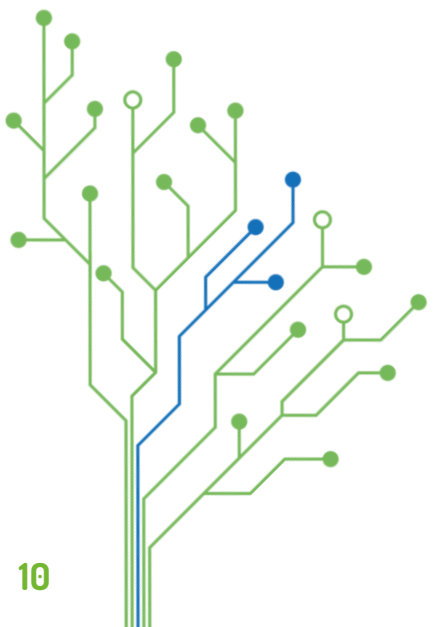
X The project should be well balanced between the partners

Building on the legacy of Penta and Euripides²

Funding Success rate

32%**

Public - Private Joint investments

385 M€

SME participation

40%*

RTO/ Academia participation
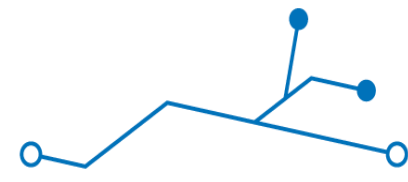
29%*

Eureka Countries involved

24

* by number of partners

** number of POs submitted and finally funded

PENTA call 1,2,3, PENTA and EURIPIDES² Call 2019, 2020, 2021, AI call 2020, 2021

Supporting countries

23 countries active in Xecs project submissions

☐ *Austria*	☐ *Belgium*	☐ *Canada*	☐ *Czech Republic*	☐ *Denmark*	☐ *Finland*

☐ *France*	☐ *Germany*	☐ *Hungary*	☐ *Ireland*	☐ *Israel*	☐ *Latvia*

☐ *Luxembourg*	☐ *Malta*	☐ *Poland*	☐ *Portugal*	☐ *South Korea*	☐ *Spain*

☐ *Sweden*	☐ *Switzerland*	☐ *The Netherlands*	☐ *Türkiye*	☐ *United Kingdom*

Follow us!

On twitter and Linkedin

@xecs_eureka

Xecs

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