EF ECS

Xecs introduction

24 November 2021

For more information:
www.eureka-xecs.com

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Aeneas  Eureka
Xecs - A Eureka Cluster

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 ECSEL/KDT Joint Undertaking
- Direct experience from Catrene, Euripides², Penta Clusters

Supported also by EPoSS and Inside Industry Associations

Public authorities

Private

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

Transnational RD&I
What is eureka?

The world’s biggest public network for international cooperation in RD&I, present in over 45 countries. Mainly European, but also including Canada, Israel, Singapore, South Africa and South Korea.

Intergovernmental organisation for market-driven industrial RD&I aiming to boost the productivity & competitiveness of European industries.

A transnational network facilitating the coordination of national priorities on innovation and providing access to national funding.

More on: www.eurekanetwork.org/
Adressing all ECS-SRIA domains

Strategic directions from the AENEAS, EPoSS and Inside Industry Associations

Source ECS SRIA 2021
Funding instrument landscape

Positioning Xecs in the European Funding Landscape

**NATIONAL**
- EUREKA
  - Trans-National Programmes
  - National Priorities
  - National funding

**CROSS BORDER COOPERATION**
- KDT / ECSEL-JU
  - ECS Programmes
  - National & European Priorities
  - EC contract & National contract

**HORIZON EUROPE**
- Innovation & Infrastructure
  - European Priorities
  - EC contract

**NATIONAL FUNDING**

**EUROPEAN FUNDING**
Building on the legacy of Penta and Euripides²

Participants: +365
Person-years: 2744+
SME participation: 40%*
Labelled projects: 31
Eureka Countries involved: 22
Funding success rate: 32%**
RTO/Academia participation: 29%*

* by number of partners
** number of POs submitted and finally funded

PENTA call 1,2,3, PENTA and EURIPIDES² Call 2019, 2020
Why Xecs?

Xecs, a programme for the Electronic Components and Systems (ECS) community, helps you to:

- Create collaborative innovation
- Be part of an ecosystem
- Build a RD&I consortium
- Manage your collaborative project
- Access to national RD&I Funding
- Generate high economic impact
Why participate? 1/2

To take advantage of trans-national RD&I cooperation and related national funding in a broad range of countries

To benefit from multiple and diversified partnership opportunities from the ECS community, from the research to the end applications and create impactful collaborative ecosystems

To increase international visibility

To stimulate disruptive ideas
Why participate? 2/2

To lead, or be part of industry-led projects, open to Large Enterprises, SMEs, Research and Technology Organisations and Universities

To access expertise and get professional guidance coaching and mentoring from industrial experts and the Xecs team

To boost competitiveness and accelerate growth

To shorten time-to-market
How Xecs work?

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

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

- Change Request Process
- Project Start
- Project Monitoring
- Final Review
- Long-term impact analysis
AR2SP4SPI project
Automated Responses to Sensed Pentane for Smarter Polyurethane Industry

Technical Expertise
Aeneas

Publications
- Monitoring Dashboard Demo video
- Journal of Material Chemistry A

Events participations
- EFECs booth
- Poster presentation at International SoC Design Conference

‘AR2SP4SPI is progressing successfully. It is an honour to be part of such a valuable international consortium under EURIPIDES², a Eureka Cluster, operated by AENEAS, which is our biggest supporter in the implementation and smooth progress of the project.’

Dr Zehra Betül Ahi
GaNext project

Next Generation GaN Power Module Project

Supported by:
- AENEAS and its experts
- Public Authorities experts

EFECES Brokerage Event 2019

13 European companies & organisations

Project led by:
a spinout startup of Cambridge University

Funded by:

EXPECTED IMPACT:
- High economic exploitation potential
- Green impact

The Penta project creates a tremendous opportunity for CGD to engage with leading-edge companies in the area of power electronics.

Dr Giorgia Longobardi
CGD’s founder and CEO
2022 Xecs Call timeline

28 Sept 2021: XECS LAUNCH EVENT
23 Nov 2021: EFECs PRE-BROKERAGE
18 Jan 2022: ECS BROKERAGE

PO SUBMISSION: 25 Feb 2022
FPP SUBMISSION: 27 May 2022

Sept 2022: FUNDING & LABELLING
Xecs typical project

01
4 to 15 participants
SMEs
Large companies
Research Institutes
Academia

02
3 to 5 EUREKA members countries
Minimum 2 countries

03
ECS Value chain
ECS SRIA

04
2 to 30M€ project costs
Duration: max. 36 months
Supporting countries

19 countries active in Xecs project submissions

- Austria
- Belgium
- Canada
- Czech Republic
- Finland
- Germany
- Hungary
- Ireland
- Israel
- Latvia
- Malta
- Poland
- Portugal
- South Korea
- Spain
- Sweden
- Switzerland
- The Netherlands
- Turkey
Submitting a successful application

- **Well-defined problem statement:** must be crystal clear, they are often too generic
- **Extending/defining the state of the art:** how is your solution different from existing ones, show the uniqueness of your innovation
- **Value chain ecosystem:** explain clearly how the partners complement each other along the ECS value chain
- **Commercial & other Impact:** how and who will commercialise the solution(s), create new opportunities
Meet national criteria: each national consortia must contact its national funding body

Country Impact: demonstrate the economic impact and other benefits for each country involved

Green Issues: Sustainability is important for all of us and should be demonstrated

Ambition: Your proposal should be unique & ambitious but realistic although with risk
2022 Xecs Call

Σeureka

PO submission: 25 February 2022
FPP submission: 27 May 2022
Eureka Clusters thematic Calls

Sustainability

A strategy has been approved with 3 calls in the next years

First joint call will be on ‘Accelerating sustainability’ with the focus on ‘Green ICT’ and ‘Space-earth-ocean integrated systems’

Further calls on:

- Circular economy
- Intelligent infrastructures
- Sustainable energy
- Autonomous systems
Further proposals welcome

- Smart & digital Health care under discussion
- PAs are interested in input from industry
- Can be topic for one call or a strategy covering Calls for several years
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Thank you

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