

# Eureka Xecs Call 2022

**INTERNATIONAL COLLABORATION PROJECTS FOR  
SMART ELECTRONIC COMPONENTS AND SYSTEMS**

WEBINAR, 2022-01-14



# Agenda

## Welcome and introduction + Check-in

Eureka Xecs Call 2022

National funding opportunities in Sweden

Vinnova

Smartare Elektroniksystem

Participating in a cluster project: SME experience

Q&A

## Break

Project zone submission tool

Brokerage tool and events

Q&A

## Check-out



VINNOVA

# Tips for a better webinar experience

- During the presentations
  - Turn your microphone and video off if you do not present anything
  - Use the chat function to address questions
- During the Q&A
  - Use the chat function to address a question.
  - The question will be repeated by the moderator and a response will be provided by one of the presenters.
- Important functions
  - Mute/Unmute
  - Video
  - Chat
  - Rename


# Innovation

Innovation is more important than ever,  
and we're running out of time

Foto: Johnér Bildbank

VINNOVA



An aerial photograph of a large bridge under construction in a misty, forested valley. Several cranes are visible on the construction site. A river flows through the valley, and the background shows rolling hills under a hazy sky. The text "Global cooperation is crucial" is overlaid in large white letters, and "For a sustainable future" is in a green box below it.

# Global cooperation is crucial

For a sustainable future

# Identify Mobilise Fund



# Check-in

Do you know about EUREKA and XECS?

Do you know about swedish funding opportunities?

Go to [www.Menti.Com](https://www.Menti.Com) and use the code 1247 6481



# Agenda

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### Eureka Xecs Call 2022

- National funding opportunities in Sweden
  - Vinnova
  - Smartare Elektroniksystem
- Participating in a cluster project: SME experience
- Q&A

## Break

- Project zone submission tool
- Brokerage tool and events
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## Check-out







**Sweden – national webinar  
Xecs introduction**

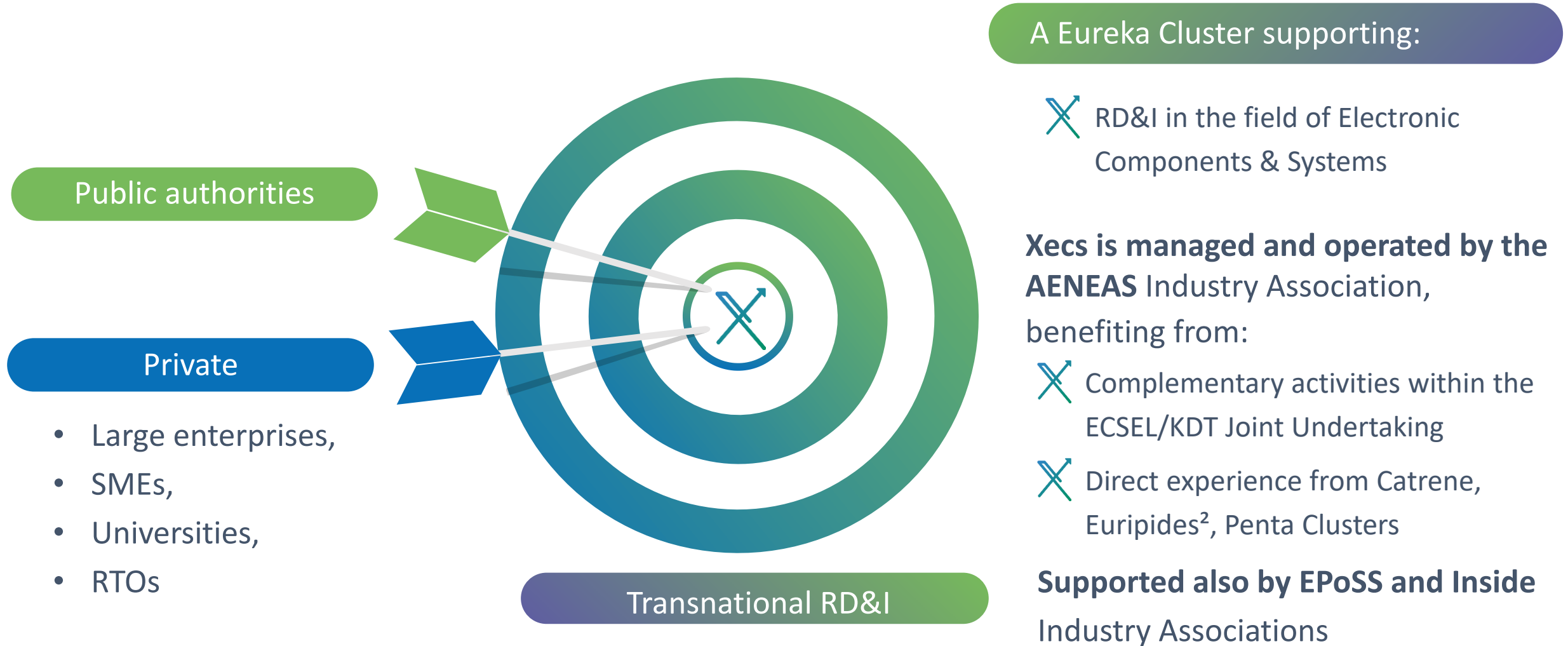
**14 January 2022**

**Aeneas**  **$\Sigma$ eureka**

For more information:  
[www.eureka-xecs.com](http://www.eureka-xecs.com)

Follow us  

# Xecs - A Eureka Cluster



# What is $\Sigma$ 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

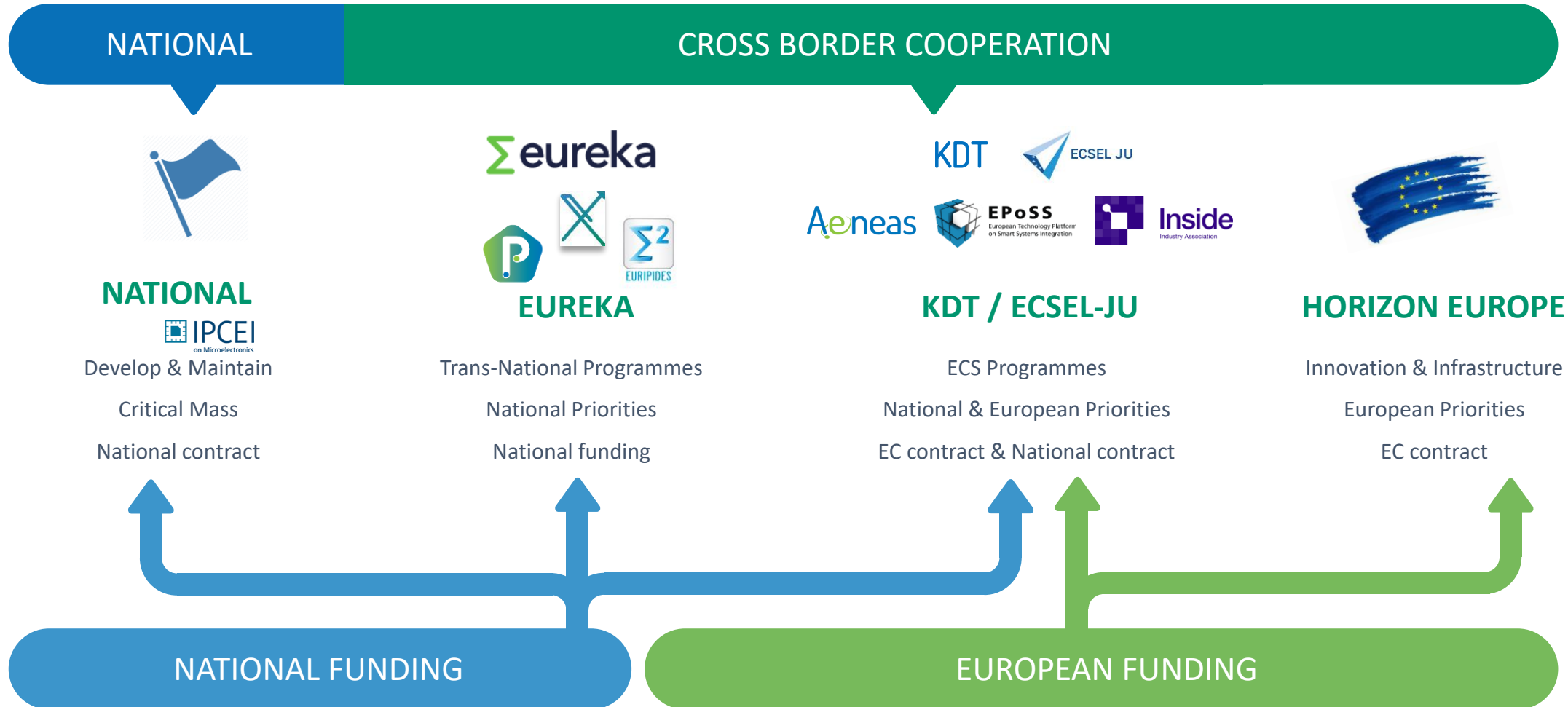
Intergovernmental organisation for market-driven industrial RD&I aiming to boost the productivity & competitiveness of European industries



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

# Funding instrument landscape

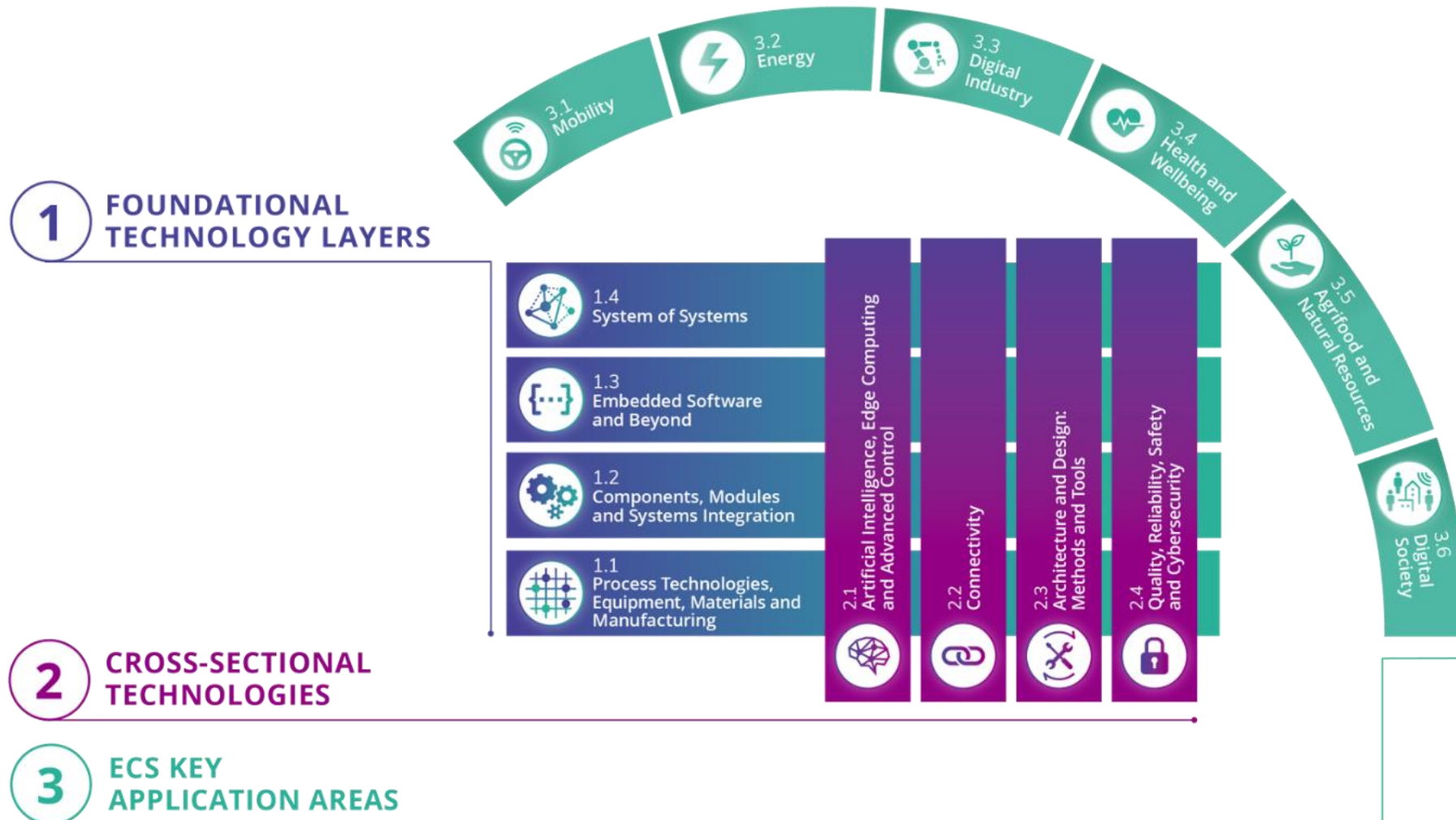
Positioning Xecs in the European Funding Landscape





# Addressing all ECS-SRIA domains

Strategic directions from the AENEAS, EPoSS and Inside Industry Associations



Aeneas

**EPoSS**  
European Technology Platform  
on Smart Systems Integration









**Inside**  
Industry Association

Source ECS SRIA 2021

## 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

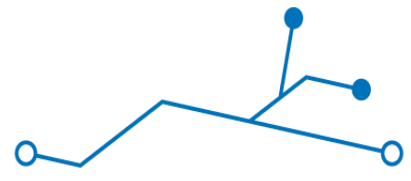


To boost competitiveness and accelerate growth

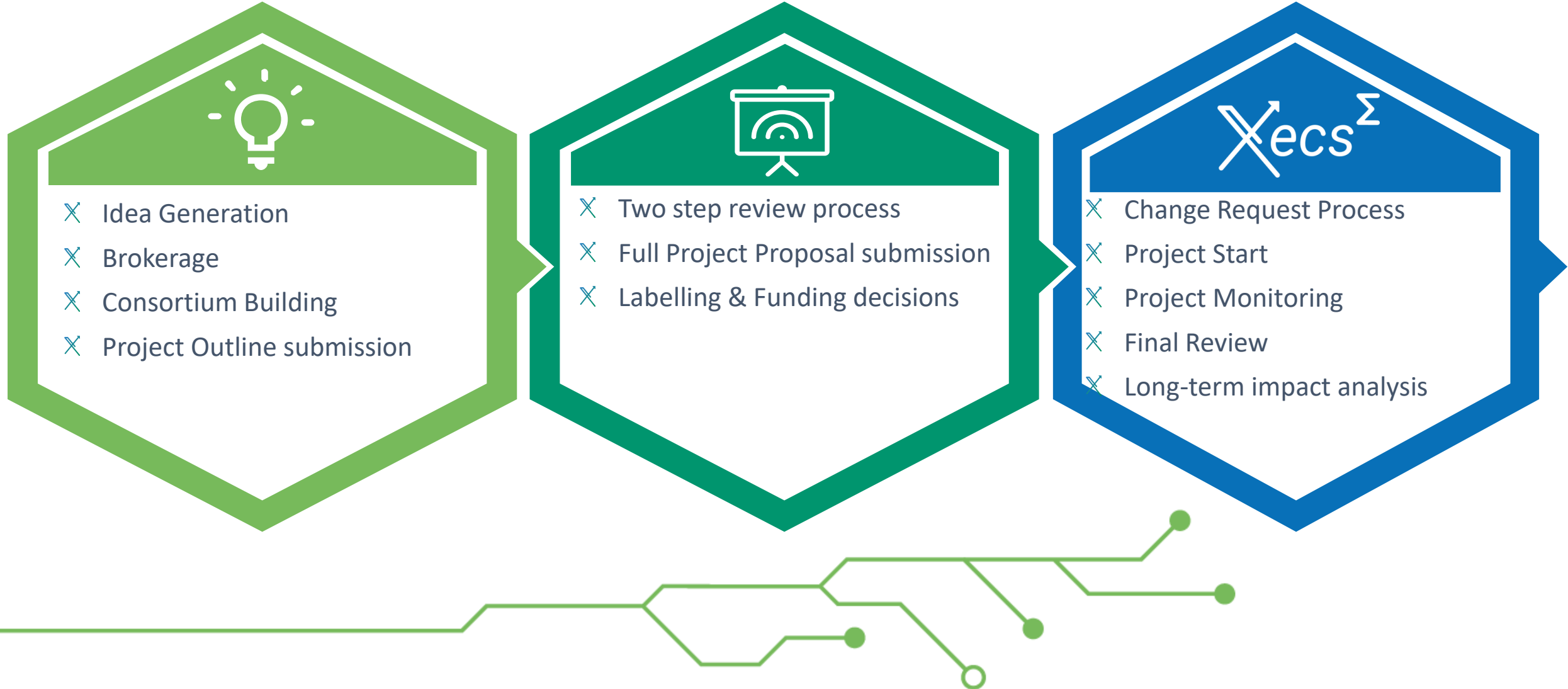


To shorten time-to-market



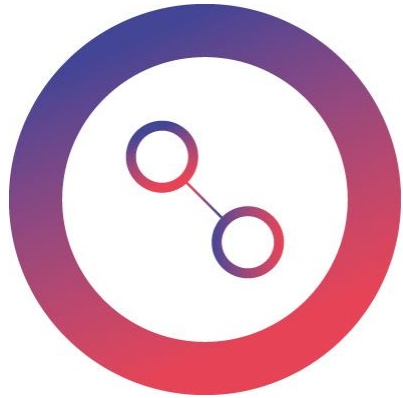


## How Xecs work?



# Networking



Idea Generation-Consortium Development-Project Preparation



 ECS Collaboration Tool

<https://ecscollaborationtool.eu/>



 ECS Brokerage 2022  
 18<sup>th</sup>/19<sup>th</sup> January 2022  
online event



Posters



Pitches



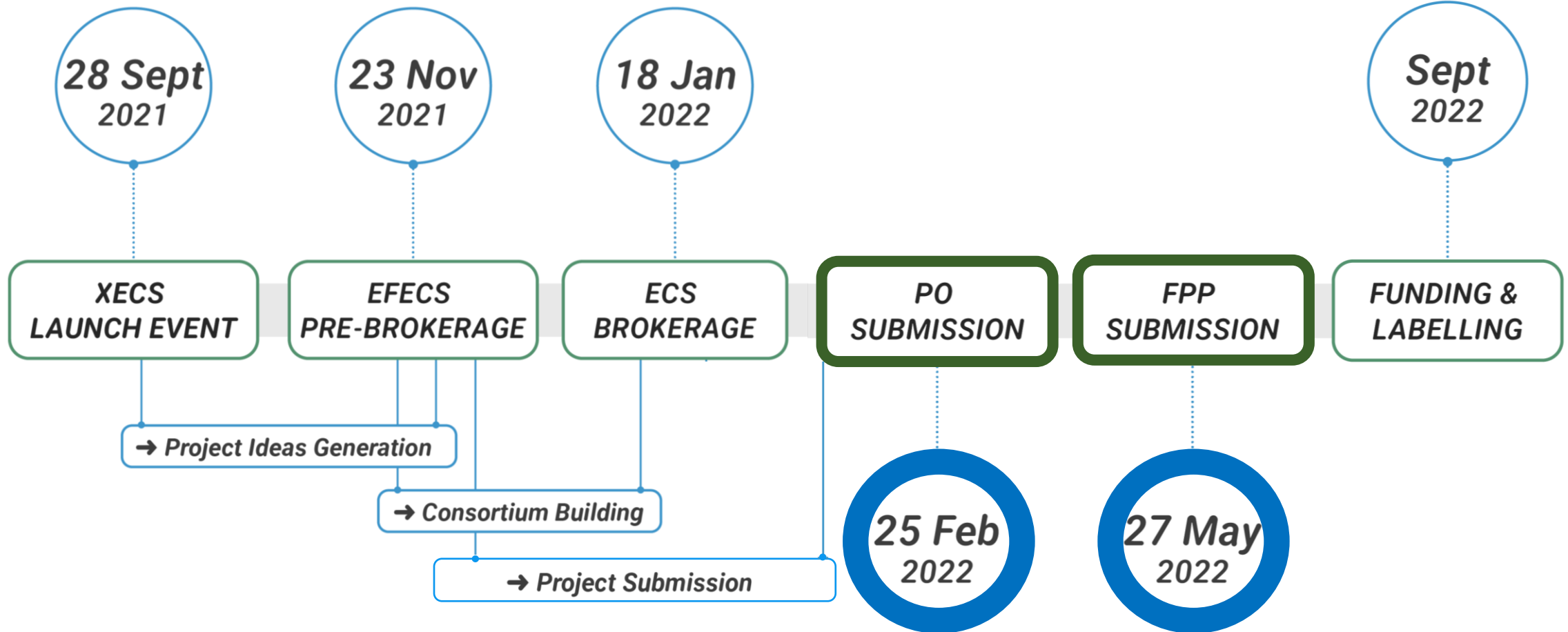
Briefing



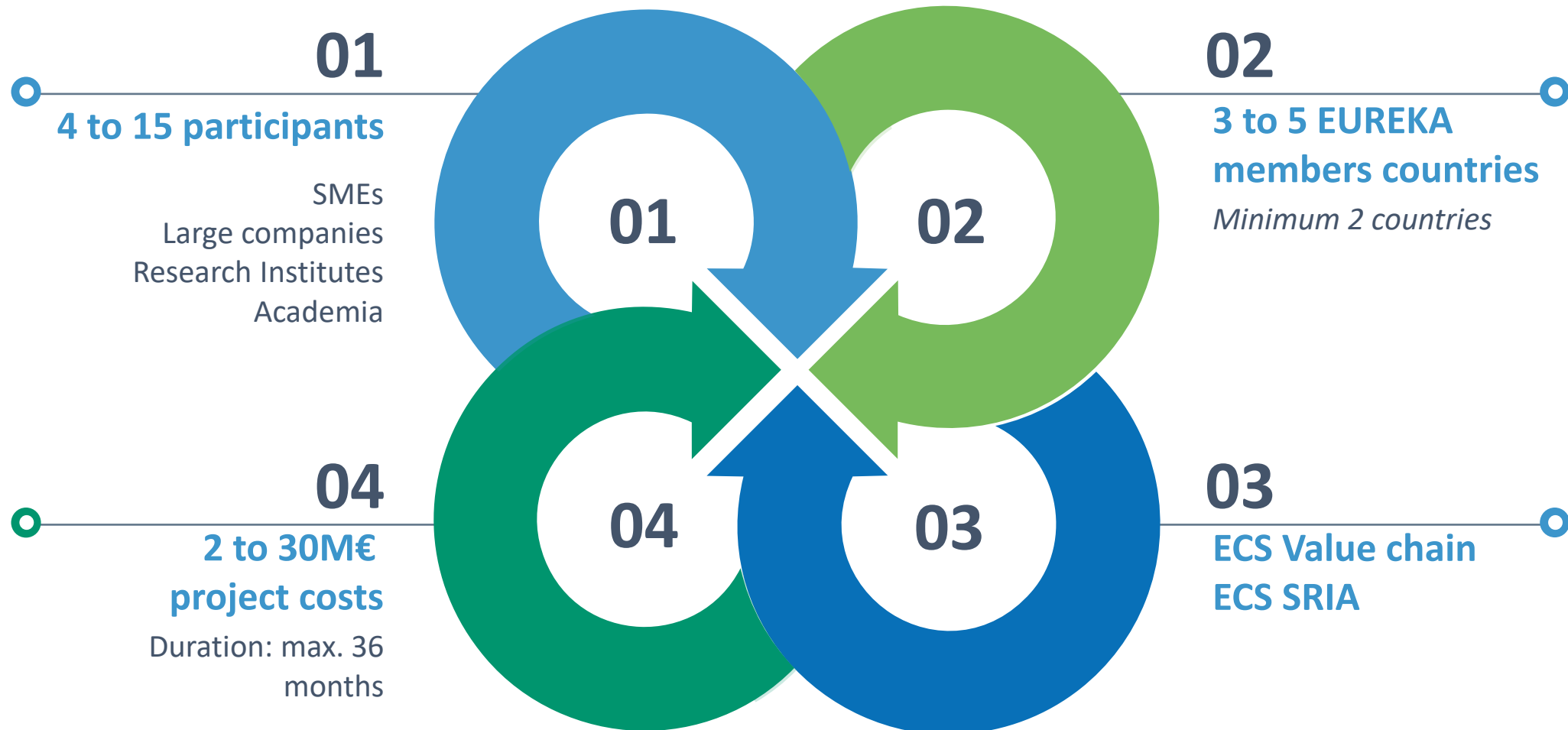
Funding



# 2022 Xecs Call timeline



## Xecs typical project





# 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*

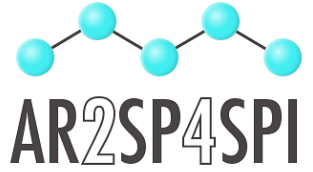


☐ *Turkey*



# AR2SP4SPI project

Automated Responses to Sensed Pentane  
for Smarter Polyurethane Industry



SMEs & RTO



Technical Expertise

Aeneas



[www.ar2sp4spi.com](http://www.ar2sp4spi.com)



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 EURIPIDES<sup>2</sup>, a Eureka Cluster, operated by AENEAS, which is our biggest supporter in the implementation and smooth progress of the project.'



Dr Zehra Betül Ahi

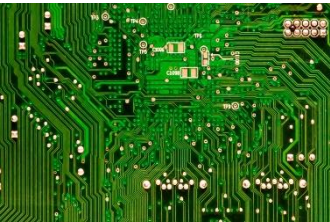
## Next Generation GaN Power Module Project



## 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



## Submitting a successful application



✕ 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



Xecs<sup>Σ</sup>

PO submission: 25 February 2022

FPP submission: 27 May 2022

## Follow us!

On twitter and LinkedIn

[@xecs\\_eureka](https://twitter.com/xecs_eureka)

Follow us on  
Twitter



[Xecs](https://www.linkedin.com/company/xecs)

**FOLLOW US ON  
LINKEDIN**

Thank you

The logo for Xecs, featuring a stylized 'X' with an upward-pointing arrow and the text 'ecs' followed by a superscripted sigma symbol.

Shéhérazade AZIZI

The logo for Xecs, featuring a stylized 'X' with an upward-pointing arrow and the text 'ecs' followed by a superscripted sigma symbol.

Patrick COGEZ

The logo for Xecs, featuring a stylized 'X' with an upward-pointing arrow and the text 'ecs' followed by a superscripted sigma symbol.

Nadja Rohrbach

More on: [eureka-xecs.com](http://eureka-xecs.com)

Xecs Contact: [xecs@aeneas-office.org](mailto:xecs@aeneas-office.org)

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VINNOVA



# Funding outlook & national priorities in Sweden

## WHAT CAN YOU APPLY FOR?

- International collaboration projects with actors along the entire value chain for innovative electronic systems
- Sensors, power electronics, electronics platforms, systems integration, embedded systems and product integration in electronics
- Solutions that can drive sustainable digital transformation and strengthen competitiveness in the areas covered by Eureka Xecs





# Funding outlook & national priorities in Sweden

## WHAT DO WE ASSESS?

- The Swedish consortium shall be industry-driven with a good balance between large companies, SMEs and academia / research institutes
- The effort from the participating companies must be at least 60 percent of the Swedish consortium's total work effort. At least one Swedish SME must participate in the project
- Swedish SMEs must have at least 1.0 million SEK in net sales according to the latest annual report and a number of employees that corresponds to at least three full-time equivalents



# Funding outlook & national priorities in Sweden

## HOW LARGE ARE OUR GRANTS?

- Between 5 and 15 millions SEK per project
- Funding rates
  - SMEs: Maximum 50% of their eligible costs
  - Large Enterprises: Maximum 30% of their eligible costs
  - Universities and research institutes: Up to 100% of their eligible costs
- The maximum funding from Vinnova is 50% of total budget of the eligible costs for all the participating Swedish organisations.
- Call and application process
  - [Xecs Call 2022 - Samverkansprojekt inom elektroniska system | Vinnova](#)
  - Opened for application: 2021-09-28
  - Last application date: 2022-02-25

# Contact details and website

## **Frédéric Pillot**

PROGRAMME MANAGER, INDUSTRIAL TECHNOLOGIES

frederic.pillot@vinnova.se

+46 8 473 32 01



## **Adela Saavedra Granholm**

PROGRAMME MANAGER, INDUSTRIAL TECHNOLOGIES

adela.saavedragranholm@vinnova.se

+46 8 473 31 50

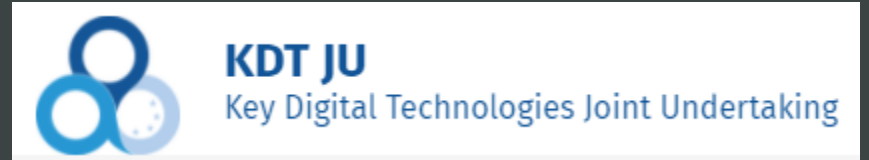


Website for more information:

<https://www.vinnova.se/m/eureka/kluster/>

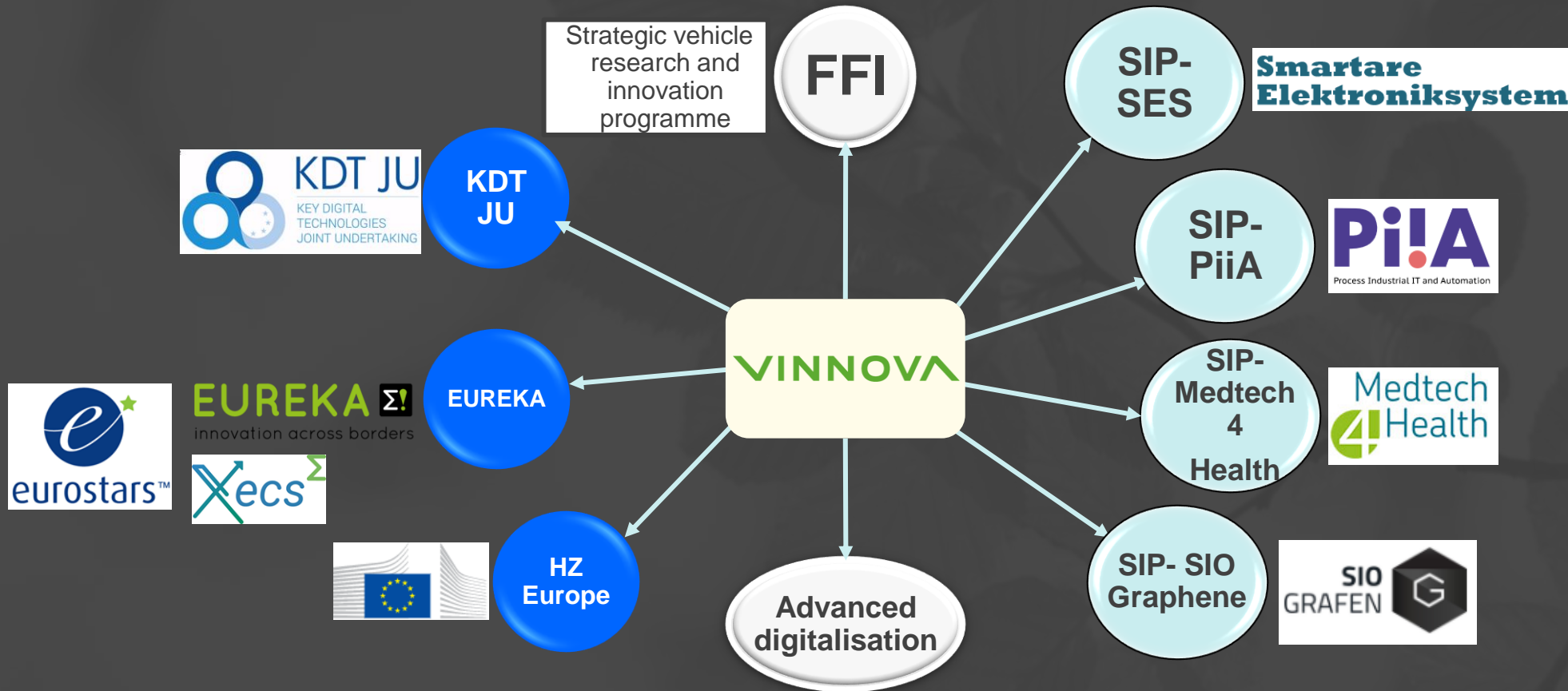
# Horizon Europe partnership programme- Key Digital Technologies Joint Undertaking – KDT JU

- Horizon Europe institutionalised partnership programme (2021-2027)
- Tripartite joint undertaking: European Commission, participating states and industry associations AENEAS, EPoSS and Inside.
- Program launch: 30 November 2021
- [ECSEL JU becomes KDT JU | KDT JU \(europa.eu\)](#)
- Budget EU Commission: 1 800 000 000 € (1,8 billion €)
- KDT JU Calls 2021:
  - Opened for application: 16 December 2021
  - Last application date: **27 April 2022**
  - [KDT-JU: Europeisk samverkan inom elektroniska komponenter och system | Vinnova](#)
  - [KDT JU Calls 2021 | KDT JU \(europa.eu\)](#)
- Call-2022 expected to be launched mid 2022 with a deadline after the summer break 2022 and selected projects to be launched in 2023



# National funding opportunities

## ECS – Electronic Components and Systems







**Smartare  
Elektroniksystem**  
ELECTRONIC COMPONENTS & SYSTEMS

[www.smartareelektroniksystem.se](http://www.smartareelektroniksystem.se)

**Magnus Svensson, program manager**  
**Thorbjörn "TOBY" Ebefors, deputy program manager**  
**Responsibility: ECS's Internationalization efforts**



**Activities within SES SIP to strengthen Swedish  
participation in Int'l (EU funded) consortium projects**

Med stöd från

**VINNOVA**  
Sveriges innovationsmyndighet

 **Energimyndigheten**

**FORMAS** 

**Strategiska  
innovations-  
program**



# **MISSION**

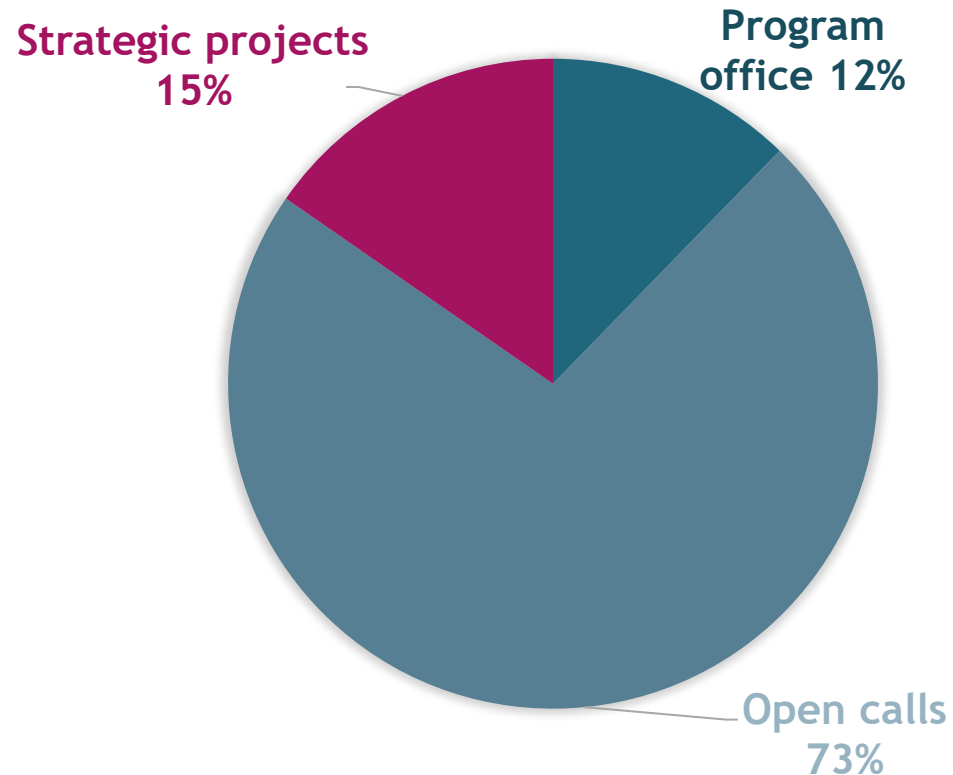
**STRENGTHEN  
SWEDISH ECS COMPANIES PARTICIPATION IN  
INTERNATIONAL (EU FUNDED) PROJECTS**

**PROMOTE ECS PROJECTS TO GO INTERNATIONAL**

**COLLABORATION WITH OUR SISTER ORGANIZATIONS WITHIN  
THE ECSEL/KDT MIRROR GROUP NETWORK**

# Our tools

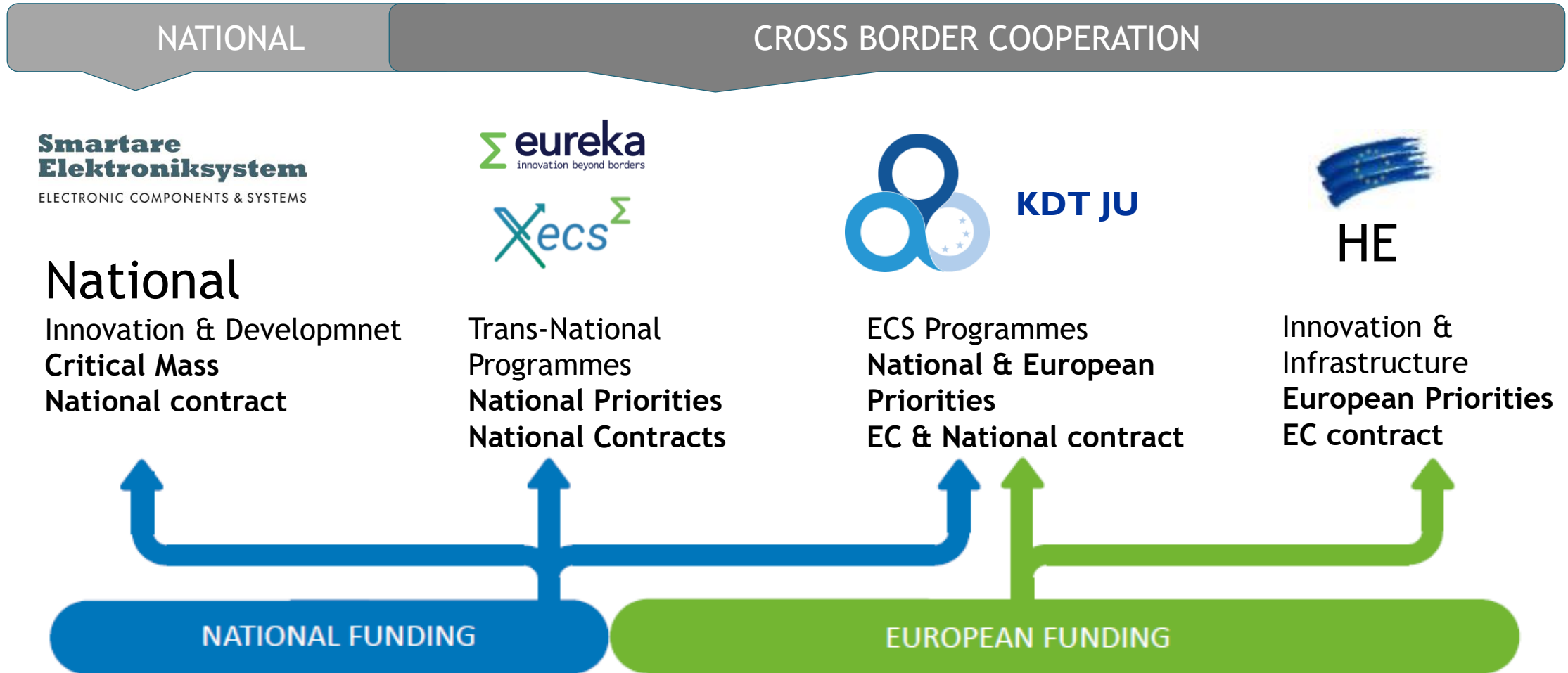
- Yearly budget ~45 Mkr



- Program office
  - ~3(4) persons
  - OutReach project: Conferences, seminars, fairs
  - Reports and lobbying
  - Managing strategic projects
  - Internationalization
- Strategic projects
  - Activities of interest for many
  - E.g. Testbed for printed electronics and *Smartare Elektronikhandboken*
- Biannual open calls through Vinnova
  - Pre-studies (~3-4 MSEK/year)
  - Innovation projects (~35 MSEK/year)

# Internationalisering: Your Choices, we guide you– the Funding instrument landscape

Positioning Smartare elektroniksystem, Xecs & KDT in the European Funding Landscape



# Swedish project idea pitching at: EFECS Nov & ECS Brokerage Event jan



## ECS BROKERAGE EVENT 2022

18 -19 January  
Hotel Le Plaza, Brussels

Aeneas

ARTEMIS  
Industry Association

EPoS  
European Technology Platform  
on Smart Systems Integration



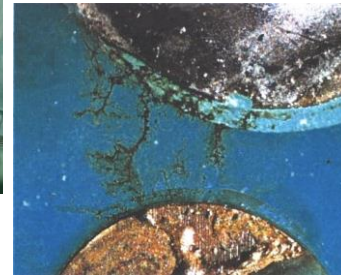
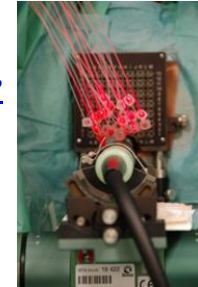
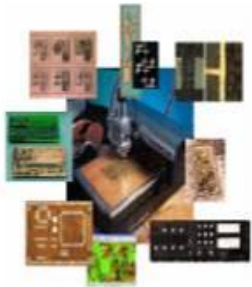
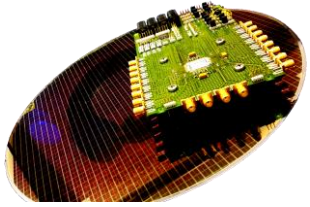


Forming ~500 SWE ECS project proposals 2014-21

# ECS Competence HUBs in Sweden with contact info

[www.smartareelektroniksystem.se/en/efforts/competence/](http://www.smartareelektroniksystem.se/en/efforts/competence/)

- **MicroNano Electronics**, Mitt University, [christer.frojd@miun.se](mailto:christer.frojd@miun.se)
  - *Sub-HUB Integrated Circuits and systems*, Linköpings University [Atila.Alvandpour@liu.se](mailto:Atila.Alvandpour@liu.se)
- **Photonics**, Photonic Sweden, [lennart@photonicsweden.org](mailto:lennart@photonicsweden.org)
- **Power Electronics**, SiC Power Centre at RISE, [Mietek.bakowski@ri.se](mailto:Mietek.bakowski@ri.se)
- **Antennas- mm wave- and terahertz systems**, Chalmers  
[jan.grahn@chalmers.se](mailto:jan.grahn@chalmers.se)
- **Printed Electronics**, Printed Electronics Arena, RISE,  
[bjorn.norberg@ri.se](mailto:bjorn.norberg@ri.se)
- **Embedded systems**, Luleå University, [ulf.bodin@ltu.se](mailto:ulf.bodin@ltu.se)
  - *Sub-HUB Embedded sensor systems for health*, Mälardalens Högskola, [maria.linden@mdh.se](mailto:maria.linden@mdh.se)
- **Advanced electronics production**, KTH, [johnnyob@kth.se](mailto:johnnyob@kth.se)
- **Reliable electronics hardware**, RISE / Swerea IVF, [per-erik.tegehall@ri.se](mailto:per-erik.tegehall@ri.se)





# International ECS Network



- ECSEL Italy
- ECSEL Austria
-  **Photonics Finland**
- Business Sweden – Semiconductor by Sweden Alliance



More info and registration at:

<https://marketing.business-sweden.se/acton/media/28818/semiconductors-by-sweden-alliance>

[www.smartareelektroniksystem.se](http://www.smartareelektroniksystem.se)

Följ oss och engagera dig!

- Prenumerera på nyhetsbrev
- Följ oss på LinkedIn och YouTube


Med stöd från

**VINNOVA**  
Sveriges innovationsmyndighet

 **Energimyndigheten**

**FORMAS** 

**Strategiska  
innovations-  
program**



# **Participating in a cluster project: SME experience**

**Q&A**

Who? What? Where? When? How? Why?





5 minutes

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- Q&A

## Break

Project zone submission tool  
Brokerage tool and events  
Q&A

## Check-out



VINNOVA





# **Project zone submission tool Brokerage tool and events**



How to prepare a successful proposal ?

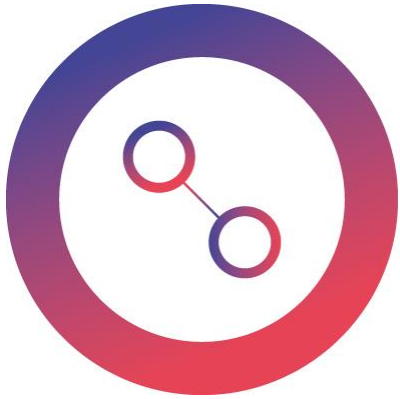
Aeneas

$\Sigma$ eureka

For more information:  
[www.eureka-xecs.com](http://www.eureka-xecs.com)

# Networking

Idea Generation-Consortium Development-Project Preparation



 ECS Collaboration Tool

<https://ecscollaborationtool.eu/>



 ECS Brokerage 2022  
 18<sup>th</sup>/19<sup>th</sup> January 2022



Posters



Pitches



Briefing



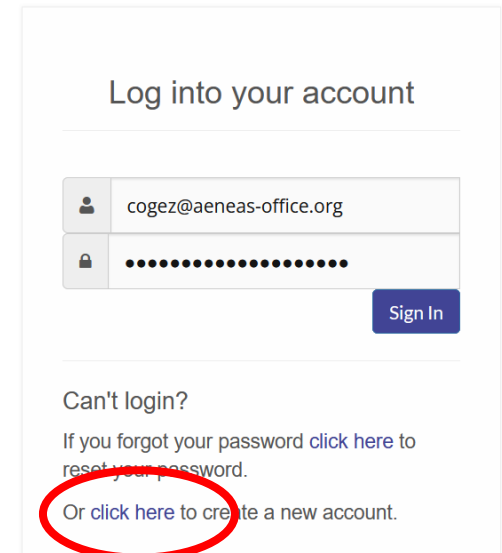
Funding

# ECS Collaboration Tool

<https://ecscollaborationtool.eu/>




LOG INTO YOUR ACCOUNT


The login form is titled "Log into your account". It contains two input fields: one for the email address, which is pre-filled with "cogez@aeneas-office.org", and one for the password, which is masked with dots. A blue "Sign In" button is located to the right of the password field. Below the input fields, there is a section titled "Can't login?" with two links: "If you forgot your password click here to reset your password." and "Or click here to create a new account." The second link is circled in red.

 Warning: Not the same as the Xecs Project Zone account !

# ECS Collaboration Tool


## Features in the Tool

The logo for the ECS Collaboration Tool, featuring a stylized 'E' made of three overlapping circles in blue, red, and green.**ECS COLLABORATION TOOL**


 | [PUBLIC](#) | [COMMUNITY](#) | [OFFICE](#)

[PATRICK COGEZ](#) ▾


[PROJECT IDEAS](#) ▾ | [PARTNER SEARCH](#) ▾ | [MESSAGE BOARD](#) ▾ | [HELP](#) ▾ | [CALENDAR](#) ▾

A circular icon with a red border containing a stylized head profile with a lightbulb inside, symbolizing an idea.


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

A circular icon with a red border containing two stylized figures shaking hands, symbolizing partnership.

**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.

A circular icon with a red border containing a magnifying glass over a document, symbolizing search.

**Look for other project ideas**  
Browse through the ECS Collaboration Tool to find project ideas and send out an online request to join in a consortium.

A circular icon with a red border containing a message board with a speech bubble, symbolizing communication.

**Message Board - Get noticed even more**  
Leave a message on the message board for possible partners or interesting project ideas.



# ECS Collaboration Tool

Look for other project ideas (1/2)

☆	Trust++	Trusted Devices for Ambient Intelligence	Christopher Nigischer	NXP Semiconductors Germany GmbH (DEU)	2021-10-06	🔍 Supply chain security · Traceability · Counterfeit protection	⬇
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Trust++ - Trusted Devices for Ambient IntelligenceA globalized Value chain of Electronic components contains dangers: Piracy and defective products Based on Blockchain technology, Trust++ ensures the legitimacy of ICs and detects counterfeited products quickly and efficiently. It ensures backtracking along the whole supply chain up to the wafer manufacturing process.

☆	REALXTEND	XR metaverse	Jani Mikael Vallirinne	University of Oulu (FIN)	2021-10-15	🔍 Artificial intelligence · Digital twins · Ar · Vr · Xr	⬇
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TitleAcronymREALXTENDProject DescriptionMake the next level of web mainstream and allow integration of digital twins and AI. the main point is to enable presence and collaboration equally between humans, and also between AI and digital twins.

☆	SCALE	Scalable Maskless Lithography	Anneliese Poenninger	EV Group E. Thallner GmbH (AUT)	2021-01-04	🔍 Mems · Maskless back-end lithography · Direct patterning · Advanced packaging · Biomedical devices	⬇
---	-------	-------------------------------	----------------------	---------------------------------	------------	--	---

Title: Scalable Maskless LithographyAcronym: SCALEProject Description: It is intended to develop a maskless lithography technology that meets the critical requirements of design flexibility and minimal development cycles in High Volume Manufacturing and eliminates mask-related difficulties and costs. A Laser Direct Writing Lithography system resolves the disruption between versatile but slow development machinery and fast but inflexible production. It provides a scalable solution that simultane...

- ☐ Ch02. Health and Well-Being [3]
- ☐ Ch03. Energy [3]
- ☐ Ch10. Process Technology, Equipment, Materials & Manufacturing for ECS [3]
- ☐ Ch07. Connectivity and Interoperability [1]
- ☐ Ch09. Computing and Storage [1]

## Events

- ☐ EF ECS 2020 Pre-Brokerage [26]
- ☐ ECS Brokerage Event 2021 [18]
- ☒ EF ECS 2021 Pre-brokerage [12]
- ☐ ECS Brokerage Event 2022 [7]

# ECS Collaboration Tool

## Look for other project ideas (2/2)

quickly and efficiently. It ensures backtracking along the whole supply chain up to the wafer manufacturing process.

Save

### Key Selling Points

What is the market relevance?

- Increased trustworthiness, security and reliability of electronic devices in critical IoT infrastructures
- Relevant for public safety, national security, healthcare and automotive

What is the innovation?

- Countering malicious market behavior and counterfeiting by using a blockchain solution
- IC Supply chain protection based on a root of trust combined with a distributed IT system

What is the business impact?

- Eliminating costs for authenticity lab testing
- Faster and cheaper validation of products

Save

### Already Involved

Partners Involved

- NXP Semiconductors Germany GmbH
- Chainstep GmbH
- MunEDA GmbH
- GlobalFoundries
- Delft University of Technology

### Looking for

Partners needed

- Expertise: OEMs tier one and tier two, Semiconductor manufacturers
- Partner type: industrial
- Countries: Europe excluding Germany

### EF ECS 2021 Pre-brokerage

This idea will be presented as poster  
Download poster template

This idea will be presented as presentation  
Download pitch template

### ECS Brokerage Event 2022

This idea will be presented as poster  
Download poster template

This idea will be presented as presentation  
Download pitch template

Supply chain security · Traceability · Counterfeit protection

Edit idea (Trust++)

Request to join idea

Request to join the idea via the tool

Email the idea contact person

### Contact



Christopher Nigischer  
NXP Semiconductors  
Germany GmbH  
Germany

### Invitations

## PARTNER SEARCH

Partner Search

Saved Searches

Participant search

Here you can find all contacts that have their profile publicly available. If you click on a contact, you can invite them to join your idea.

MEMS

Search

Reset

Save Search

0 items on 1 pages

### Events

☐ ECS Brokerage Event 2022 [0]

### Organisation type

☐ Research institute [8]

☐ Unknown [1]

☐ Associate [0]

☐ Consultant [0]

☐ Government [0]

☐ Large industry [0]

☐ Office [0]

☐ Others [0]

☐ Public authority [0]

☐ Small and medium sized enterprise [0]

☐ University [0]

### Country

☒ Germany [91]

☐ Finland [4]

☐ Norway [4]

☐ Sweden [4]




☐ Belgium [3]

☐ France [3]

☐ Italy [3]

### Pre-arranged selection criteria

- Countries
- Organisation type
- Events

Contact	Organisation	Country
 <p>Thomas Stoppe</p>	Fraunhofer Institute for Photonic Microsystems IPMS	Germany
<p><b>Contact Profile</b> ... MEMS and MOEMS actuators and sensors environmental sensing 5G RISC-V LIDAR etc....</p>		
 <p>Jan Rockstroh</p>	Hahn-Schickard	Germany
<p><b>Contact Profile</b> ... MEMS, Inertial Sensors...</p>		
 <p>Bernd Hermann Folkmer</p>	Hahn-Schickard	Germany
<p><b>Contact Profile</b> ... MEMS Design, Design-Analysis, Modelling, Simulation, Optimization, multi-physics, multi-scale ...</p>		

**Most important: Create your own contact profile !**

# ECS Collaboration Tool

## MESSAGE BOARD

[+ POST NEW MESSAGE](#)

### Looking for ideas?

#### Optimal management of energy systems/micro grids

I am part of a research group with expertise in advanced control techniques for energy systems/micro grids, renewable based. We have been involved in several EU projects over the years (<https://ses.jrc.ec.europa.eu/i3res>, <https://ses.jrc.ec.europa.eu/e-gotham>, <https://www.haeolus.eu/>) and we look for new opportunities in this topic. We are mostly interested in the 3.2 ENERGY-ECS Key Application Area (see the ECS-SRIA 2022 Draft), Major Challenges 2-4.

-Posted by Valerio Mariani on 25-11-2021

[➔ Invite contact for idea](#)

#### Microfluidic Lab-on-a-Chip and Photobiomodulation

We are a research oriented team focusing on microfluidic lab-on-a-chip design, development and manufacturing capabilities and we are also interested in photobiomodulation therapy. Open for providing service and research partnership on both expertise Best wishes

-Posted by Serhat Sevli on 21-10-2021

[➔ Invite contact for idea](#)

### Looking for partners?

#### Looking for Industrial Partners and Research Agencies

We are looking for partners to support our activities to develop sustainable manufacturing for the mining sector. A Canadian consortium is looking to add partners that can help utilize digital technologies in the mining sector. In particular, collaborators with experience in advanced manufacturing of large components, monitoring and sensor develop. We're interested in both commercial and higher TRL solutions.




-Posted for idea MARIOS on 26-10-2021







[➔ Request to join idea](#)


#### Looking for partners or consortiums

The ADGA Group is a privately held Canadian engineering company working on a handsfree, just-in-time (JIT) training and real-time medical guidance devices that leverages computer vision and augmented reality to provide operators with medical guidance at the time of need. We are looking for partners or consortiums to join that focus on health and medical well-being, the use of AI/ML in medical applications, and medical/anatomy related AR techniques. -Posted for idea 7: MedCoach on 30-12-2020

[➔ Request to join idea](#)


<https://ecscollaborationtool.eu/ecs-brokerage-event-2022.html>

67%


 Getting Started
  AENEAS Project Zone
  GoToMeeting
  VDI/VDE SRIA repository
  Eureka Clusters AI Call
  ownCloud ARTEMIS


**ECS COLLABORATION TOOL**

## PROGRAMME

### Tuesday 18 January 2022

08:30	Registration
10:00	Welcome & opening
10:15	ECS-SRIA 2022 introduction by SRA Chair and Vice-Chairs
10:45	KDT Calls 2021-2022 Information
11:15	Xecs Calls information
11:45	Joint EUREKA Clusters call
12:00	SMEs expertise pitches
12:30	Lunch
13:30	Project idea presentations
15:00	Coffee break & consortia meetings
15:30	Project idea presentations
16:30	Poster session & consortia meetings
17:30	Networking cocktail & poster session

### Wednesday 19 January 2022

08:00	Registration & Welcome coffee
09:00	Workshop on submitting Xecs project proposals
09:45	Workshop on submitting KDT project proposals
10:30	Coffee break
11:00	Consortia meetings & face-to-face area
12:30	Lunch
13:30	Consortia meetings & face-to-face area
13:30	Co-located session(s): ECS-SRIA 2023 session

*This preliminary programme is still subject to changes.*

 **Registration is open**

 **Virtual event**

 **Free for AENEAS members !**



## AENEAS association

AENEAS is an Industrial Association representing its members in the **Electronic Components and Systems (ECS)** value chain:



- e Large industries, Small and Medium Enterprises, Research institutes, academia and associated org.

**AENEAS aims at:**

- e Fostering **R&D&I**
- e Creating an effective funding landscape

**The successful development of the Digital Economy in Europe is essential:**

- e To maintain a competitive position
- e To support its societal goals

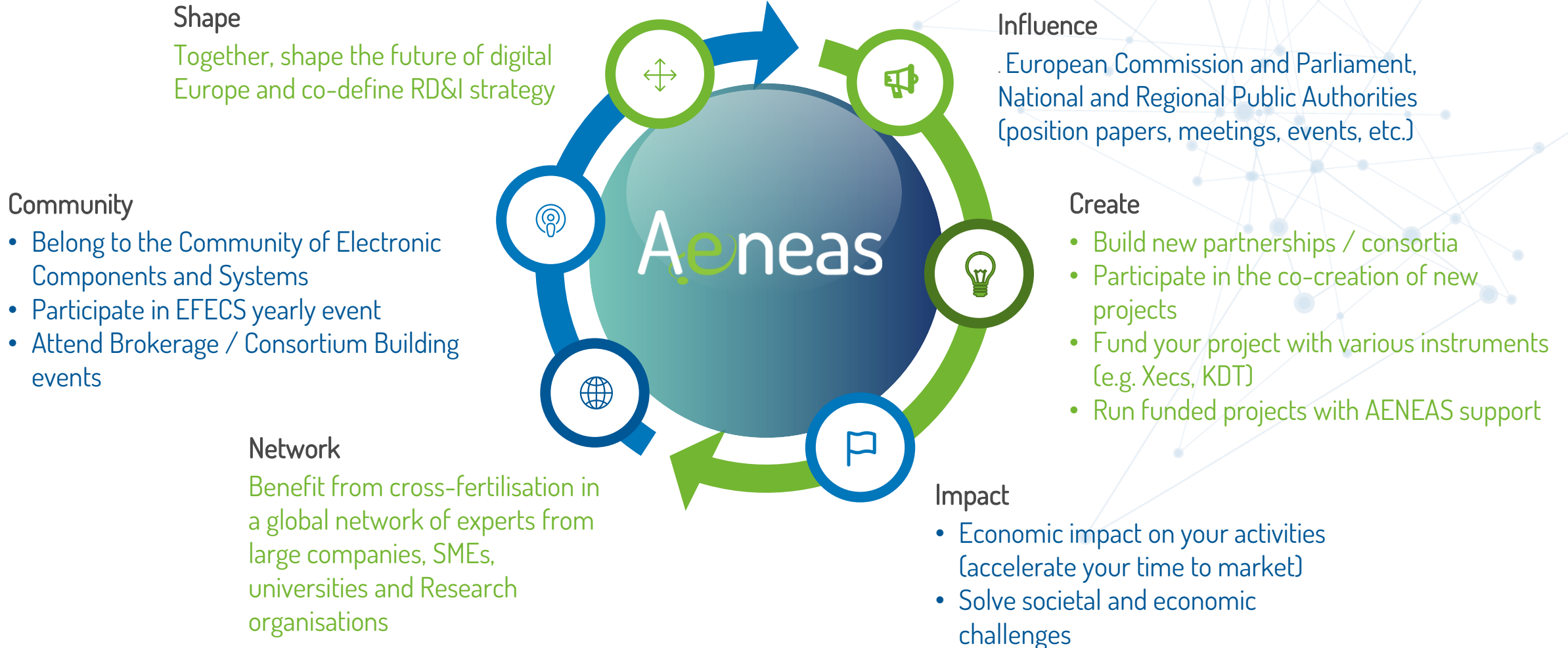
**AENEAS initiates and supports actions that:**

- e Promote networking
- e Encourage collaborative consortia work
- e Facilitate access to funding support

e Visit <https://aeneas-office.org/>

## Benefits joining AENEAS

More than a network, a global community



Dedicated to AENEAS SME members, free of charge



Hyperstone

Created in 1990

Employees 65

Company Location

Konstanz, Germany

hyperstone®

Hyperstone is a fabless semiconductor company focusing on NAND flash and SSD controllers. Hyperstone's DNA for the past 30 years has been developing and delivering high quality, reliable and innovative solutions and striving to enable its customers to produce world-class storage systems for industrial, embedded, automotive and global communication applications. The firmware is supplied with the controllers and is customised for each flash application.

**POSITIONING IN THE ELECTRONICS VALUE CHAIN**

Supplying chips, reference systems and application firmware.

**R&D / COLLABORATIVE INNOVATION INVOLVEMENT**

H2020-FP7 / ELITE (leader): Technology development for vertical die stacking/interconnect  
BMBF / 03FH025IX5 (participant): ECC and Compression  
PENTA / XSR-FMC (leader): platform to develop POC silicon for advanced flash memory controller

<p><b>TECHNOLOGICAL EXPERTISES</b></p> <ul style="list-style-type: none"> <li>NAND Flash memory controllers</li> <li>NAND Flash Technology</li> <li>Error Correction Coding (ECC)</li> <li>Flash Translation Layer (FTL)</li> <li>Security (AES, SHA, Elliptic Curve, TCG Opal)</li> </ul>	<p><b>MARKETS</b></p> <ul style="list-style-type: none"> <li>Industrial Automation, Industrial IoT</li> <li>Automotive (IVI, DashCam, ADAS...)</li> <li>Transport solutions</li> <li>Telecom Infrastructure (24/7 uptime)</li> <li>Smallcells, nanocells</li> <li>Energy (distribution, grid management,...)</li> <li>PoS, Kiosk, Gaming</li> <li>Secure storages (all markets), Medical</li> </ul>
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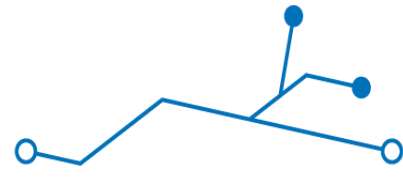
**LOOKING FOR PARTNERS AND EXPERTISES**

- Firmware development (security expertise)
- COT flow & Automotive Certifications
- Error Correction Coding
- Automotive Tiers-1 project partner for Disk-on-Board (DoB) solution development
- Channel modelling for flash memory
- Integrators and users of Flash based storage solutions (customisation, know-how transfer)

**MORE INFORMATION**

[www.hyperstone.com](http://www.hyperstone.com)  
 Damien Col, EU Program Manager  
[dcol@hyperstone.com](mailto:dcol@hyperstone.com)

# Xecs Project, AENEAS Membership and Fees



✕ No obligation to be an AENEAS member to be in a Xecs projects

✕ Project fees

- To allow office to run the programme (brokerage organisation, project selection and monitoring, information...)
- Only if project is funded
- To be paid to AENEAS (managing Xecs programme)
- Amount = Percentage of public grant (in past two years, 1.7% - rate defined yearly by AENEAS General Assembly)
- Independent of whether you are AENEAS member or not

✕ At FPP phase, choice between

- AENEAS membership, or
- Signature of “Declaration of Acceptance”

✕ “Declaration of Acceptance”

- Commitment to abide to AENEAS Articles of Association and to Internal Regulations (fees payment, and to

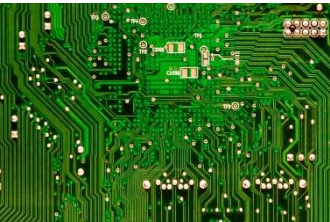
✕ AENEAS membership

- No fixed membership fee
- Same amount of project-related fee as for non-members
- Voting rights in General Assembly
- Benefits as explained earlier (visibility, networking, information...)

## Key ingredients for a successful proposal



✕ 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



## Key ingredients for a successful proposal



✕ Meet national criteria: each national consortium must contact its national funding body



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



✕ Ambition: Your proposal should be unique & ambitious but realistic despite risk



How to submit your proposal?

Aeneas

$\Sigma$ eureka

For more information:  
[www.eureka-xecs.com](http://www.eureka-xecs.com)



# Project submission

## General information

✕ Project submission is all via the Xecs PROJECT ZONE

**<https://projects.aeneas-office.org/community>**

✕ Two complementary channels for providing information

- Directly in the Xecs PROJECT ZONE
- Complemented by uploading two files
  - Word document – « Project Outline Annex »
  - Excel cost file
  - Templates are available on the Xecs Project Zone

✕ The SOONER you start, the better !

✕ The SOONER you contact your National Funding bodies, the better !

# Be aware of Your Audience!



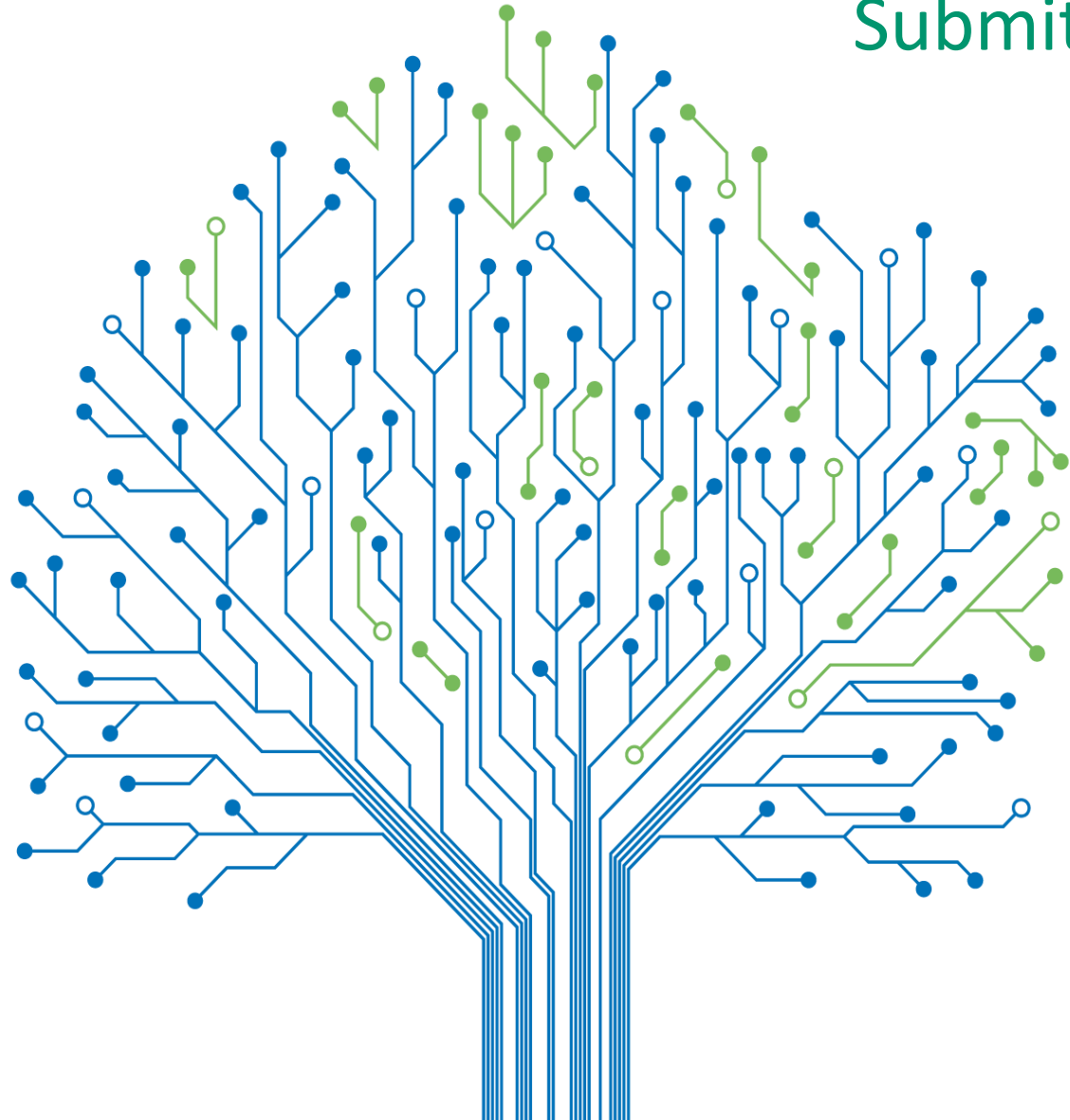
 Technical Experts will focus on the impact, quality and viability of the project as a whole

- Extending the State-of-the-Art
- Clear goals and objectives
- Complementary and appropriate consortium
- Stretch, but viable, targets reached through a well organised project
- Relevant to the Xecs programme focus areas (ECS SRIA)

 National reviews will focus on national participants

- Eligibility criteria
- Must be addressed by the partners in each country

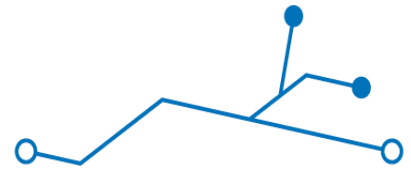
## Submitting a Project Outline



Project Outline Annex







# Project Outline Annex

## General Remarks

- ✕ Read the guidance text, and, if you don't understand it, **ask the office team**
- ✕ Key point: respect the page limits! Going beyond them will be interpreted by the experts as substituting quality by quantity
- ✕ Don't forget a picture is worth a thousand words
- ✕ Check for correctness of language. Poor English and incorrect spelling make it hard for the evaluators



# Project Outline Annex

## Table of Contents

### 1. Project description

Main idea: **what is your Unique Selling Point? and why are you able to deliver it?**

### 2.1 Rationale of the project

### 2.2 Targeted impact

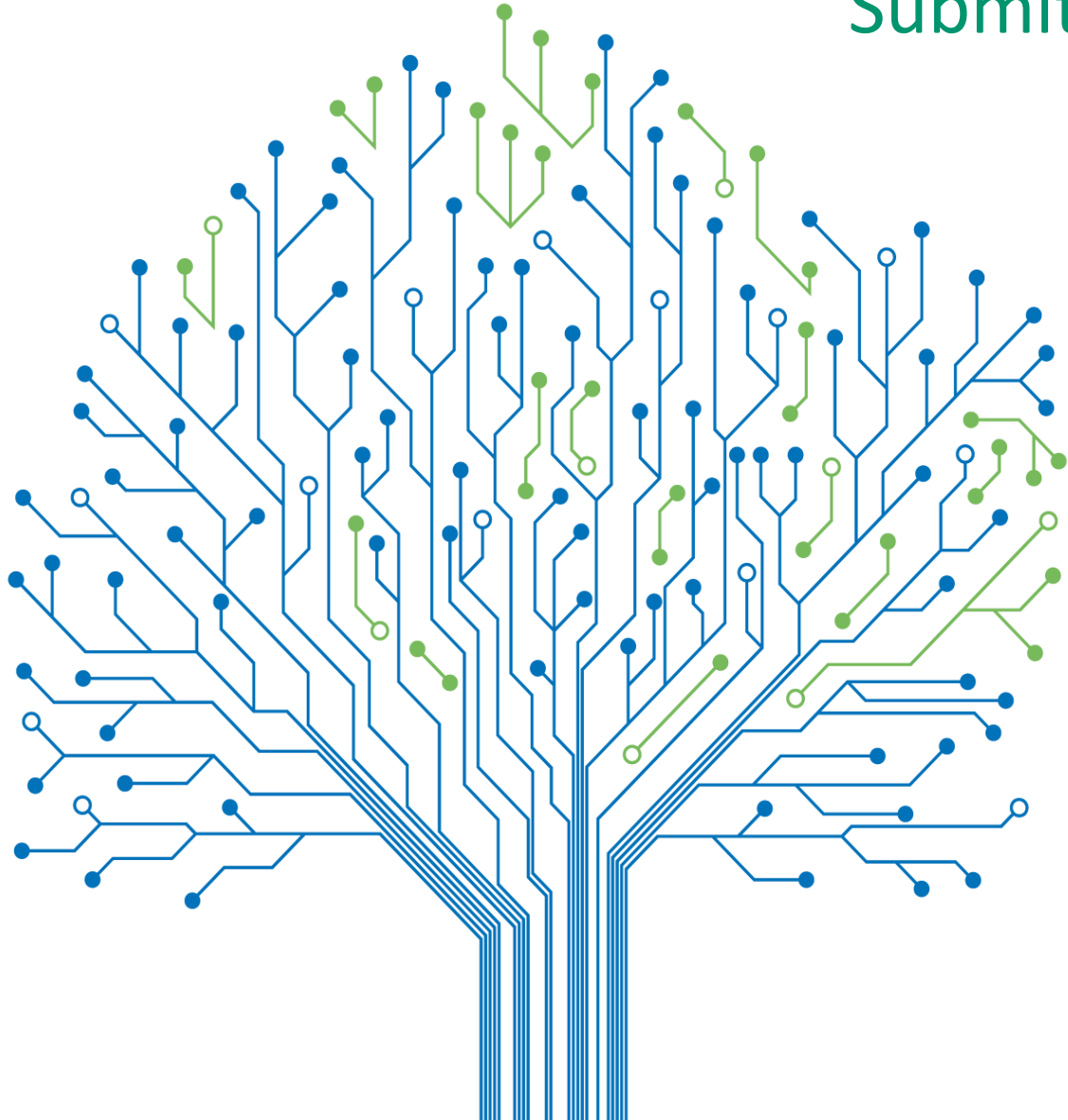
- Market analysis
- Consortium market access

### 2.3 Contribution to sustainability

### 2.4 Technology

- State-of-the-Art (SotA) analysis
- Summary of technological innovation and novelty in relation to the SotA
- Expected project outputs
- Summary of Project Objectives (measurable)

## Submitting a Project Outline



Project Zone





# Project Zone



How should you start ? <https://projects.aeneas-office.org/>

Once you have registered. You will receive an email to get access to **my Xecs profile**



Xecs, Penta and Euripides<sup>2</sup> are Eureka Clusters



## Welcome

Registration and logging in on this page gives users access to the Xecs Project Zone which provides access to all the information necessary for submitting, evaluating and running a Xecs, PENTA or EURIPIDES2 Project

Identity  
azizi@aeneas-office.org

Password  
.....

Login

Forgot your password? [Reset password](#)

Don't have an account ? [Create your account](#)

## HELLO SHEHERAZADE AZIZI!

Profile

Organisation

Events

Privacy settings

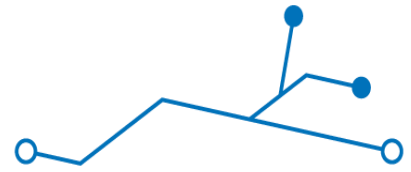
### PERSONAL PROFILE

Name	Sheherazade AZIZI (2)
Email	azizi@aeneas-office.org
Phone (direct)	0033140644571
Phone (mobile)	
Mail address	44 rue cambronne 75015 Paris FRANCE
Profile visibility	Visible in ACT
Expertise	

[Edit your profile](#)

[Update your password](#)

# Project Zone



What are the different steps of a project submission ?

✕ Create project

✕ Edit project basics

✕ Create/edit consortium

- Invite partners
- Edit partner details
- Add partner associates
- Edit cost & effort for funding (per country)

✕ Final project version

- Upload annex document
- Check merged document Submit project version
- Re-submit version until the given deadline





# Project Zone

## How to create a consortium ?

✕ Via the “Partners” tab you can invite a **new partner organisation** by giving an email address and clicking the button “Invite partner”:

- Invited partners will receive via email your invitation which they will have to accept


✕ Inviting a partner applies to inviting a partner organisation. An invitation should be sent to and accepted by **only 1 person per organisation**: the main technical contact for that partner organisation → Extra contact persons per organisation can be added by via the “Associates” tab (on a partner page).

# Project Zone


How to finalise your project version?


## Project checklist


### General


 The required documents of types 'PO Annex, PO Cost Detail Annex' are missing in your proposal documents section


### AENEAS

 Partner description is missing


 AENEAS is missing Role in project, Main Contribution, Strategic importance


 AENEAS is missing Market access


 Partner has no **effort**, Indicate effort or deactivate the partner

 In the “Management” tab of your project page:

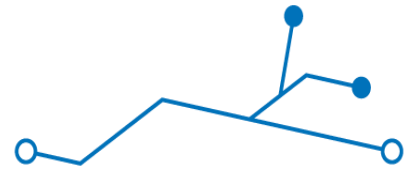
- Upload the PO annex document
- Check the merged document
- Submit the project version





 It is highly recommended to already start testing to upload an Annex, checking the merged document and submitting the proposal well in advance before the deadline

 The Project checklist guides you through the missing information you need to provide before being able to submit a version.

 Only once all checks are successful, your Project Outline submission button will appear

## Finalise your submission



-  Check that there are no blocking points in the project checklist
-  Please make use of the re-submit functionality to improve your proposal towards the final version
-  The deadline IS a deadline
-  The Xecs office is here to **help!**



# Xecs<sup>Σ</sup>

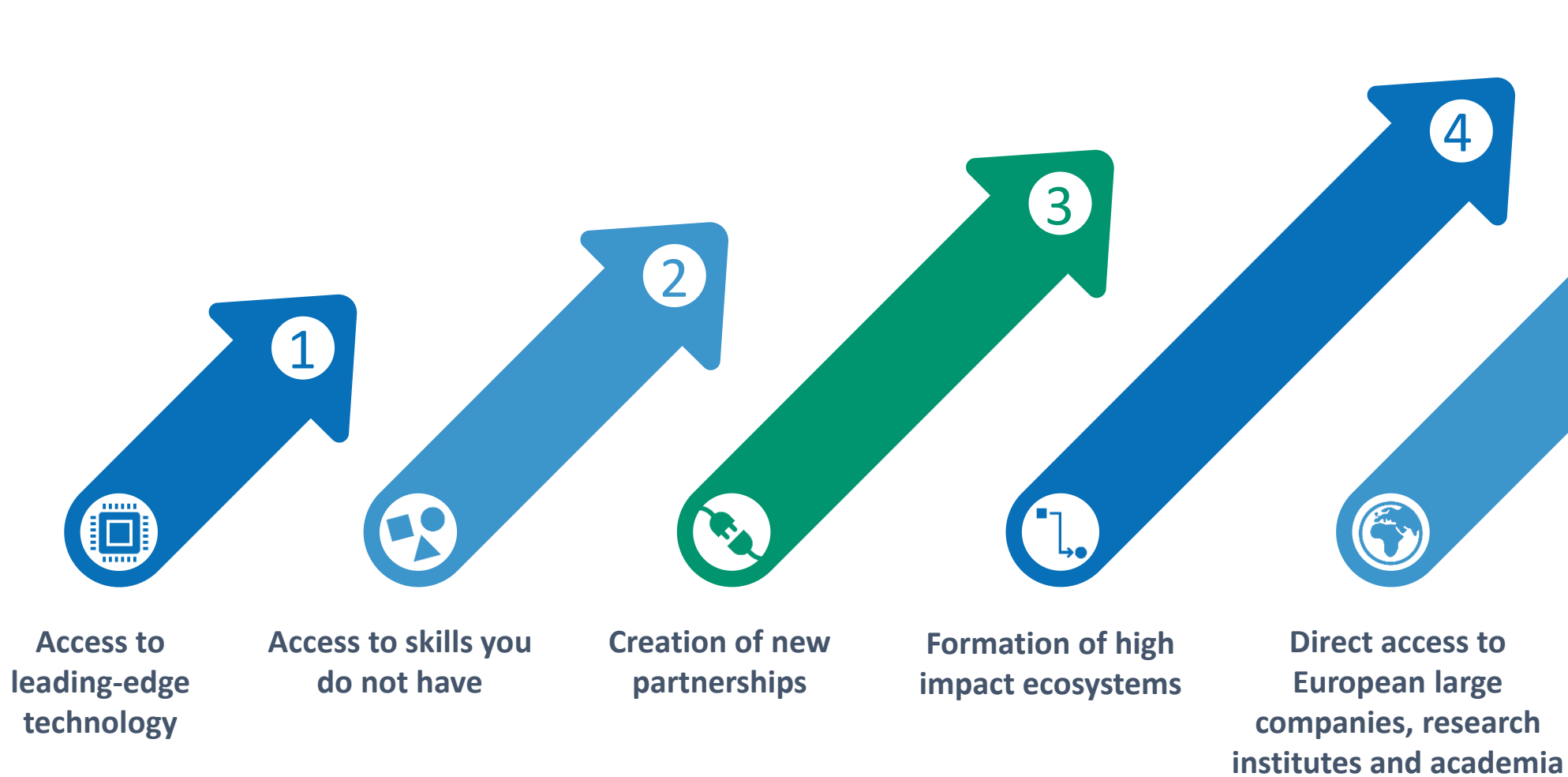
To conclude...

Aeneas

Σeureka

For more information:  
[www.eureka-xecs.com](http://www.eureka-xecs.com)

## Benefits of participation







# 2022 Xecs Call

Σeureka



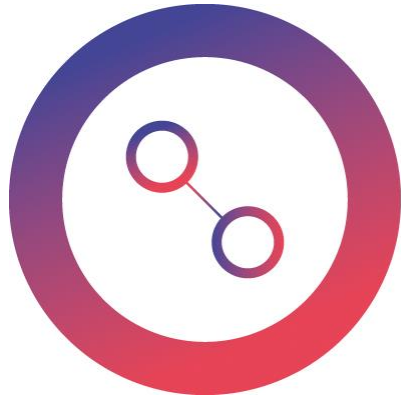
Xecs<sup>Σ</sup>

PO submission: 25 February 2022

FPP submission: 27 May 2022

# Take advantage of networking opportunities

Idea Generation-Consortium Development-Project Preparation



 **ECS Collaboration  
Tool**

<https://ecscollaborationtool.eu/>



 **ECS Brokerage 2022**  
 **18<sup>th</sup>/19<sup>th</sup> January 2022**

<https://ecscollaborationtool.eu/ecs-brokerage-event-2022.html>

# The Xecs team: We are here to help!

Xecs<sup>Σ</sup>



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Xecs<sup>Σ</sup>



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[Xecs at a Glance II.mov on Vimeo](#)



# Xecs $\Sigma$

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Aeneas

[Xecs\\_Eureka](https://www.linkedin.com/company/xecs-eureka)

FOLLOW US ON  
**LINKEDIN**

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For more information:  
[www.eureka-xecs.com](http://www.eureka-xecs.com)





# Check-out

Are you satisfied with the webinar?

What have you learned during the webinar?

What would be valuable for you to include next time we organize a similar event?

Go to [www.Menti.Com](https://www.Menti.Com) and use the code 1247 6481

# Thank you!



Vinnova.se



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