Xecs

Webinar for Swedish participants
Xecs introduction

28 October 2022

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Aeneas eureka

For more information:
www.eureka-xecs.com
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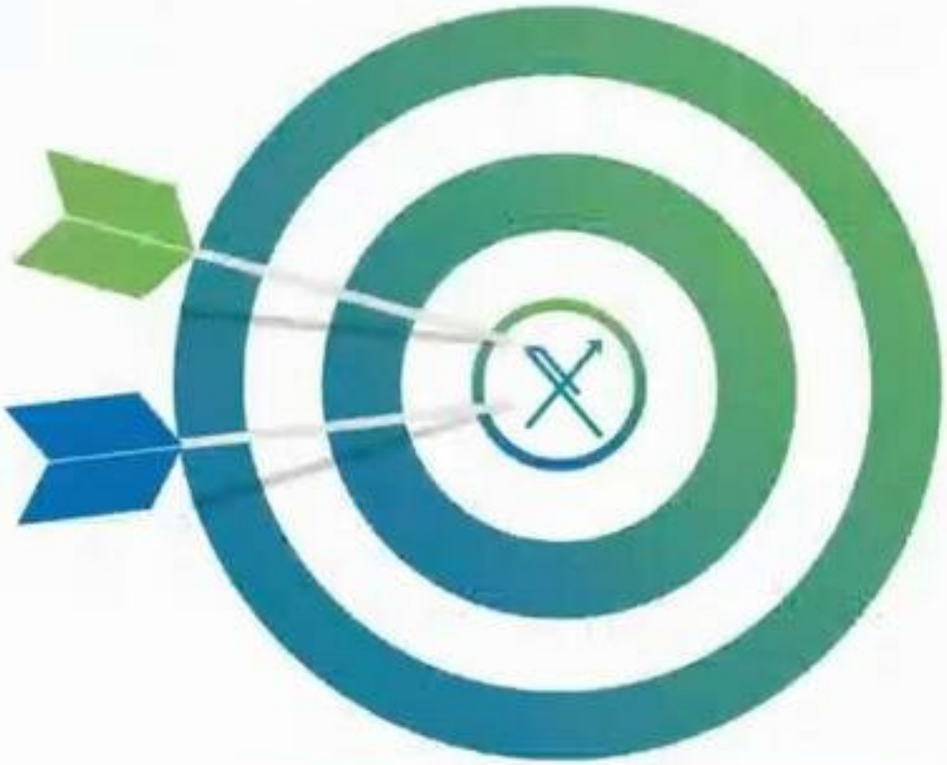
Xecs - A Eureka Cluster

Public authorities

Private

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



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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

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 membership is free of charge**
- **Successful participants are asked a small contribution based on the funding received**

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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

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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

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

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

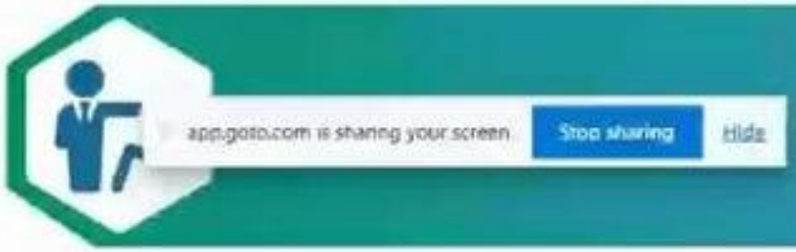
ofessional guidance coaching experts and the Xecs team

Why participate? 2/2

To stimulate disruptive ideas

To increase international visibility

To boost competitiveness and accelerate growth



Why participate? 2/2

To stimulate disruptive ideas

To increase international visibility

To boost competitiveness and accelerate growth

To shorten time-to-market

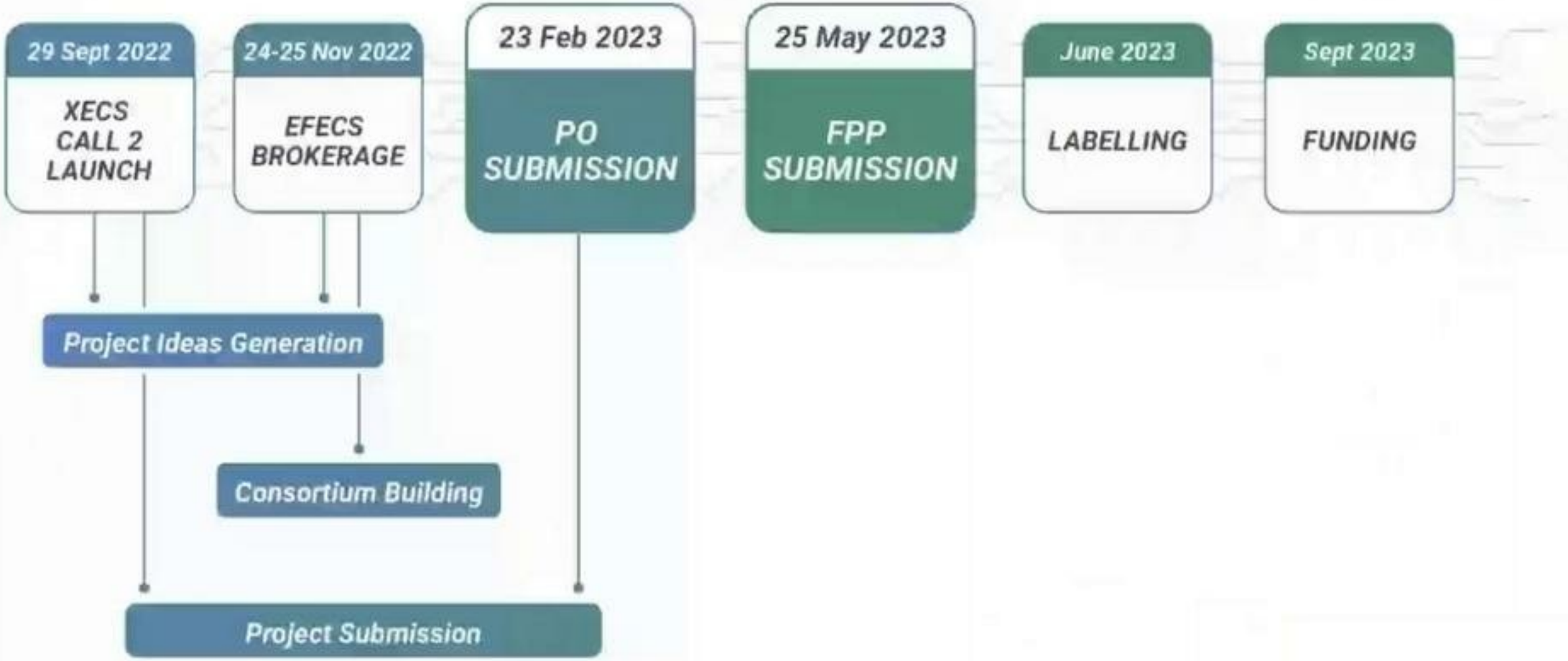
How Xecs works

- 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

Xecs Call 2 timeline



Xecs typical project

01

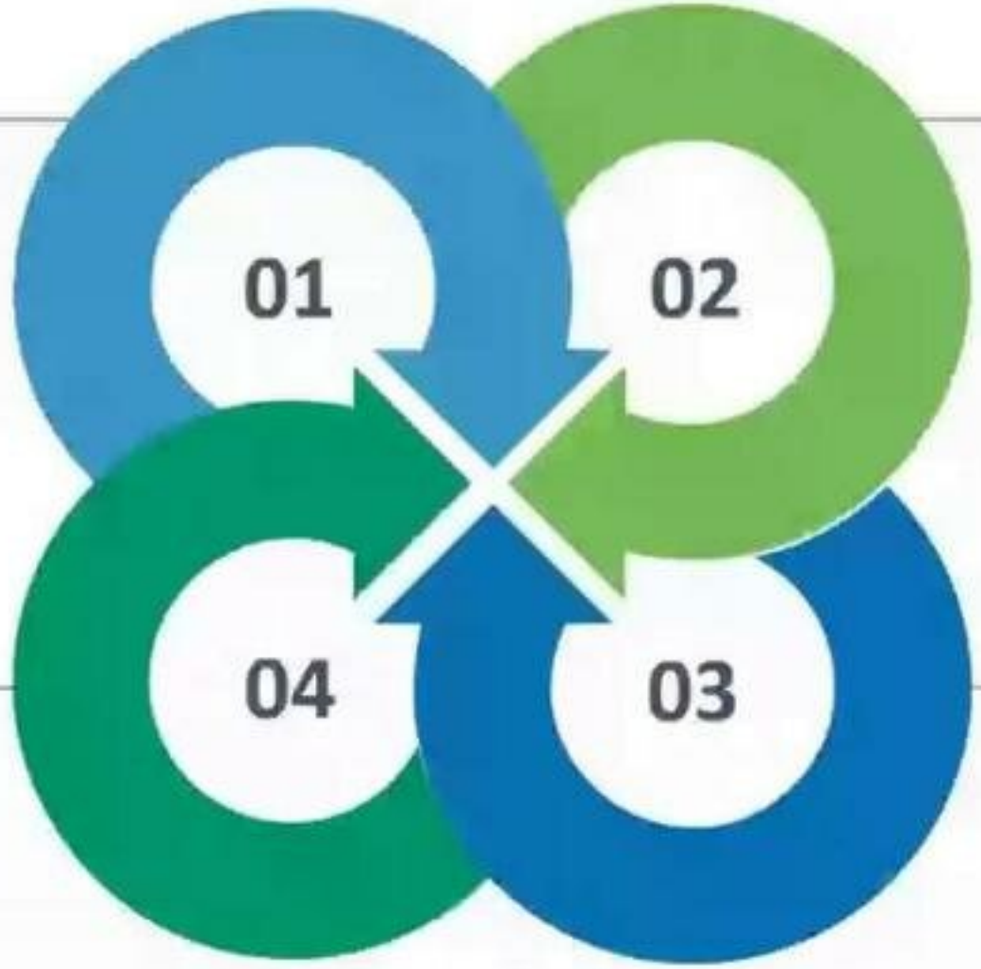
4 to 15 participants*

SMEs
Large companies
Research Institutes
Academia

02

3 to 5 EUREKA* members countries

Minimum 2 countries



04

2 to 30M€ project costs*

Duration: max. 36 months

03

ECS Value chain
ECS SRIA

* Figures represent a range of a typical project and are not limits

FA4.0 Project

Failure Analysis 4.0 – Key for reliable electronic devices in smart mobility and industry production

21
participants
6 SMEs (3 from SWE)
10 Large companies (2 from SWE)
5 RTOs (1 from SWE)

4
countries
Czech Republic, France, Germany, Sweden

12.9
M€ project costs
Duration: 36 months

3
ECS Value chain
Transport and Smart Mobility
Digital Industry

Co-Label PENTA-EURIPIDES²

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
- ☐ Turkey
- ☐ United Kingdom

Supporting countries

What is new

France	• iDemo offers a grant under certain prerequisites
Luxembourg	• now supports Xecs
United Kingdom	• Dedicated budget: 5 Mio pounds per call
Monaco	• Any partner can be funded

Project presentation opportunities

EFECS 2022

24th – 25th November 2022

- Project ideas (pitch and posters)
- Project results (posters)

FOCUS TOPICS during EFECS 2022

PROGRAMME

DAY 01

DAY 02

Day 2

SHAPE

08.00 AM REGISTRATION & WELCOME COFFEE

09:00 AM ECS-SRIA 2023

Paolo Azzoni, Secretary General Inside Industry Association

09:45 AM EXPERT WORKSHOPS ON FOCUS TOPICS

Three parallel workshops, on the following topics:

- **Workshop on Chips for 5G**
- **Workshop on Edge AI**
- **Workshop on Integrated Photonics**

Michael Schöller (Head of Fraunhofer Center MEOS) and Mike Wale (Professor of Integrated Photonics at University College London, Full Professor Emeritus at Eindhoven University of Technology) will present the results of a common Task Force of EPoSS and Photonics 21 on „Integrated photonics" and will then engage in an open discussion with the audience about a roadmap towards industrialized integrated photonics made in Europe

Xecs

Xecs Call 2

PO submission: 23 February 2023
FPP submission: 25 May 2023

Follow us!

On twitter and Linkedin

@xecs_eureka

Xecs

Innovation
Innovation is more important than ever, and we're running out of time
VINNOVA
Corona, climate change, a growing population and depletion of natural resources.
We're facing great challenges and we have to think and act differently.
We know that we need to transform our entire society, our cities, our welfare, our value chains and consumption patterns into something sustainable

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Innovation

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

- **Corona, climate change, a growing population and depletion of natural resources.**
- **We're facing great challenges and we have to think and act differently.**
- We know that we need to transform our entire society, our cities, our welfare, our value chains and consumption patterns into something sustainable

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4

5

6

Innovation

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

- **Corona, climate change, a growing population and depletion of natural resources.**
- **We're facing great challenges and we have to think and act differently.**
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Innovation

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

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The world is facing complex challenges

We need innovation in the broad sense

Global cooperation
is crucial
For a sustainable future
Photo: Per Pixel Persson
VINNOVA

Agenda

Welcome and introduction

- Eureka cluster Xecs
  - Call 2

- Opportunities for funding in Sweden
  - Outlook & national priorities
  - Matchmaking

- Eureka cluster Xecs
  - Project zone
  - Project submission and evaluation

Wrap-up

Eureka in Sweden

COLLABORATION FOR INDUSTRIAL RESEARCH AND DEVELOPMENT

EUREKA is a programme aimed at strengthening the competitiveness of European industry on the world market and creating collaborations between companies and researchers in the participating countries. The programme finances market-oriented project for the development of new products, services and processes.

- Vinnova is the national contact authority for EUREKA in Sweden, finances and administers funding for Swedish actors.
- Vinnova offers information and the opportunity to apply for funding for Swedish participants in EUREKA project.
- Vinnova allocates around 200 MSEK per year for the EUREKA collaboration.

VINNOVA

Eureka clusters

CALL 2022-2023

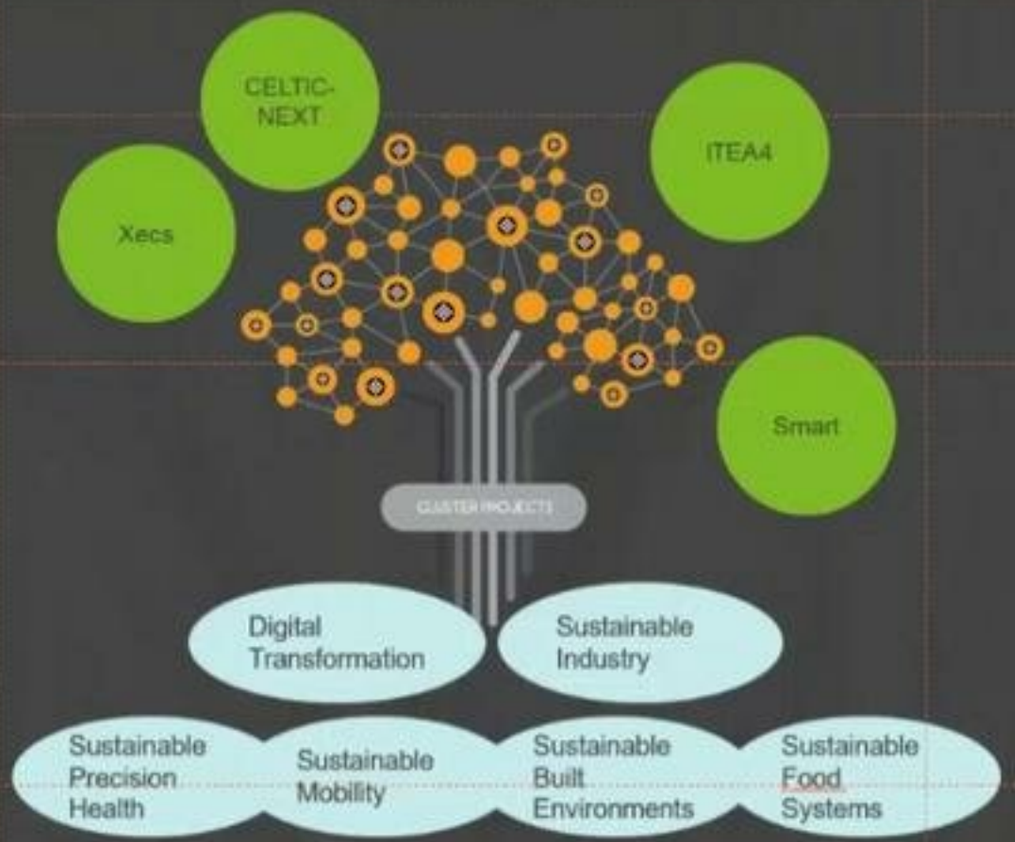
Who can apply?

- SMEs, Large companies and Universities and Research Institutes in Europe and beyond who share the same goals and have national funding available to organisations who apply through the cluster programmes.
- At least 2 project participants from 2 countries.

What can you apply for?

- Development of innovative products, services and processes in thematic areas the clusters focus on.
- Project duration up to 36 months.

Eureka clusters fund international industrial cooperation | Vinnova



Eureka clusters

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

VINNOVA

Eureka clusters

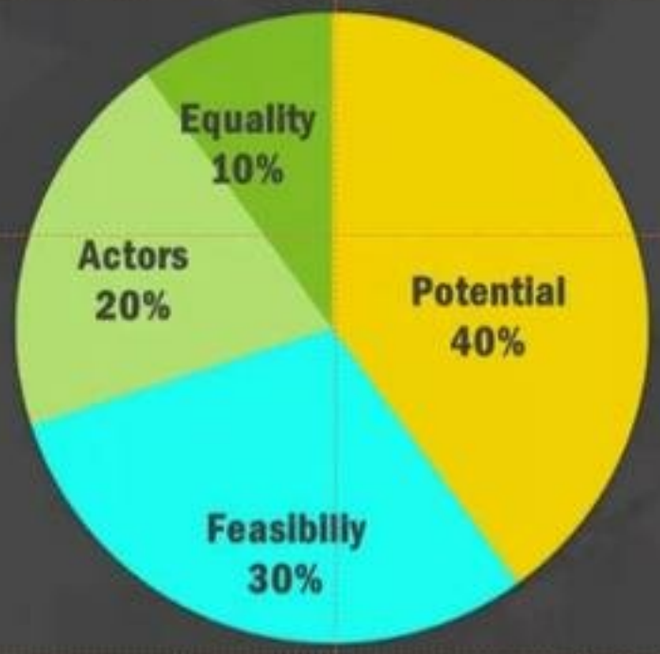
HOW LARGE ARE OUR GRANTS?

- 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.

VINNOVA

Eureka clusters

ASSESSMENT CRITERIA IN SWEDEN



VINNOVA

Eureka cluster Xecs: 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

- Call and application process

EUREKA Xecs Call 2023 – Internationella samverkansprojekt inom elektroniska komponenter och system för hållbar digital transformation | Vinnova

- Opened for application: 2022-09-29
- Last application date: 2022-02-23

Xecs VINNOVA

Eureka cluster Xecs: Contact details

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www. eureka-xecs.com

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Thank you!

VINNOVA
Sweden's Innovation Agency

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Eureka cluster Xecs Call 2

INTERNATIONAL COLLABORATION PROJECTS IN ELECTRONICS COMPONENTS AND SYSTEMS FOR SUSTAINABLE DIGITAL TRANSFORMATION

WEBINAR, 2022-10-28

VINNOVA
Sweden's Innovation Agency

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Smartare Elektroniksystem

ELECTRONIC COMPONENTS & SYSTEMS

Thorbjörn "TOBY" Ebefors, acting program manager
Responsibility: ECS's Internationalization efforts

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

www.smartareelektroniksystem.se

Med stöd från: VINNOVA | Energimyndigheten | FORMAS | Strategiska innovationsprogram

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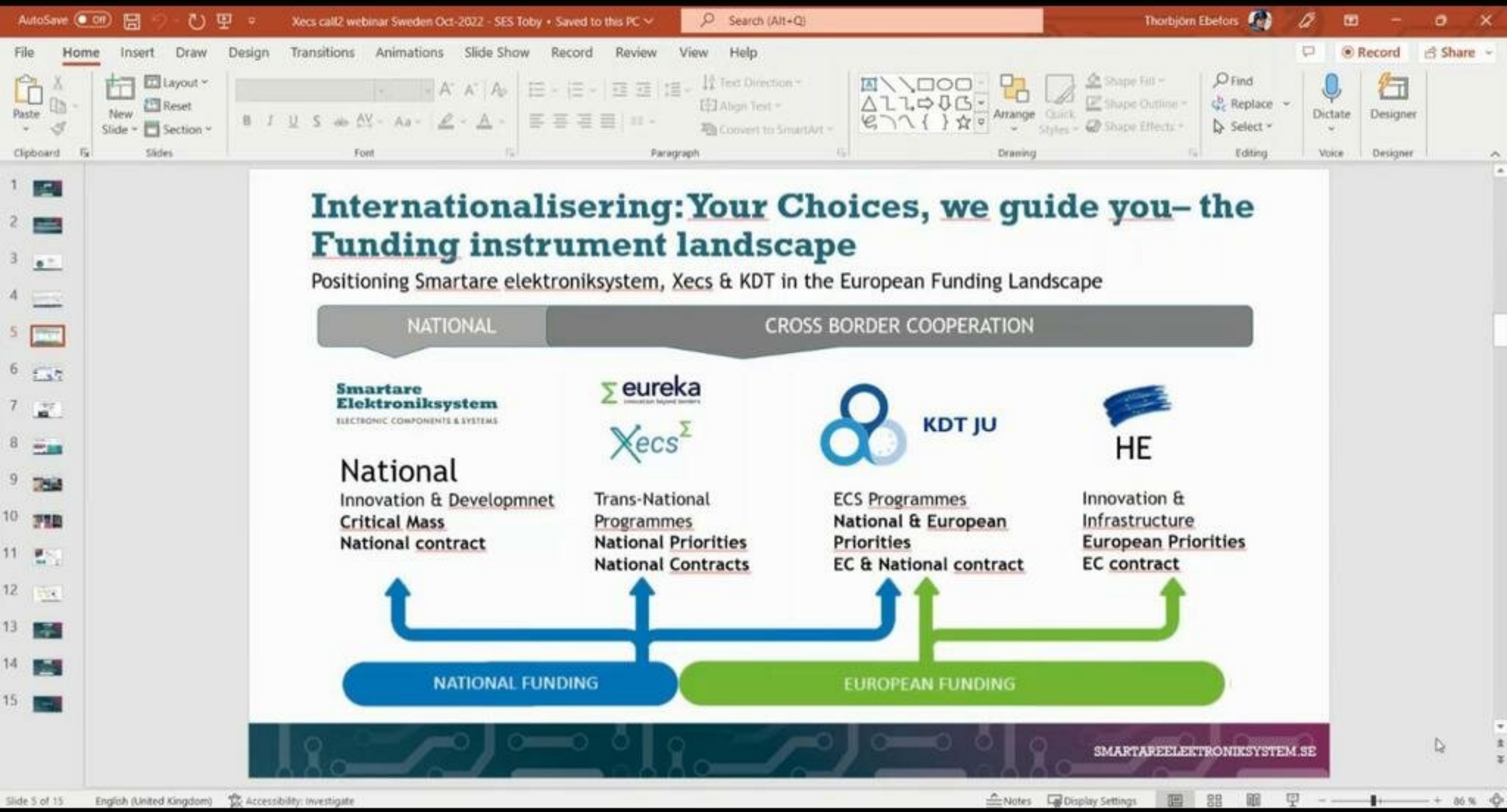
MISSION

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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Thorbjörn Ebefors
Internationalisering: Your Choices, we guide you– the Funding instrument landscape
Positioning Smartare elektroniksystem, Xecs & KDT in the European Funding Landscape
NATIONAL
CROSS BORDER COOPERATION
Smartare Elektroniksystem
ELECTRONIC COMPONENTS & SYSTEMS
National
Innovation & Developmnet
Critical Mass
National contract
eureka
Xecs
Trans-National Programmes
National Priorities
National Contracts
KDT JU
ECS Programmes
National & European Priorities
EC & National contract
HE
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SES International ECS Network

- ECSEL Italy
- ecsel germany
- ESDS-Austria (former ECSEL Austria)
- Photonics Finland
- Business Sweden – Semiconductor by Sweden Alliance

- EU SME office (Eurostars-3, EIC)
- EEN
- EIC / EIT / HEU / DIGI / dig-HUBs
- 17 other Nat'l strategic programs
- ....

More info and registration at:
https://marketing.business-sweden.se/acton/media/28818/semiconductors-by-sweden-alliance

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Example Swedish project idea pitching at EFECS'19 Helsinki Nov

– new SWE project ideas for the EFECS'22 and brokerage Feb 2023

SMARTAREELEKTRONIKSYSTEM.SE

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Example Swedish project idea pitching at EFECS'19 Helsinki Nov

– new SWE project ideas for the EFECS'22 and brokerage Feb 2023

ECS
COLLABORATION
TOOL

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Smartare Elektroniksystem

ELECTRONIC COMPONENTS & SYSTEMS

CONTACT:

acting program manager

responsibilities for Int'l activities:

Dr. Thorbjörn "TOBY" Ebefors

Thorbjorn.Ebefors@smartareelektroniksystems.se

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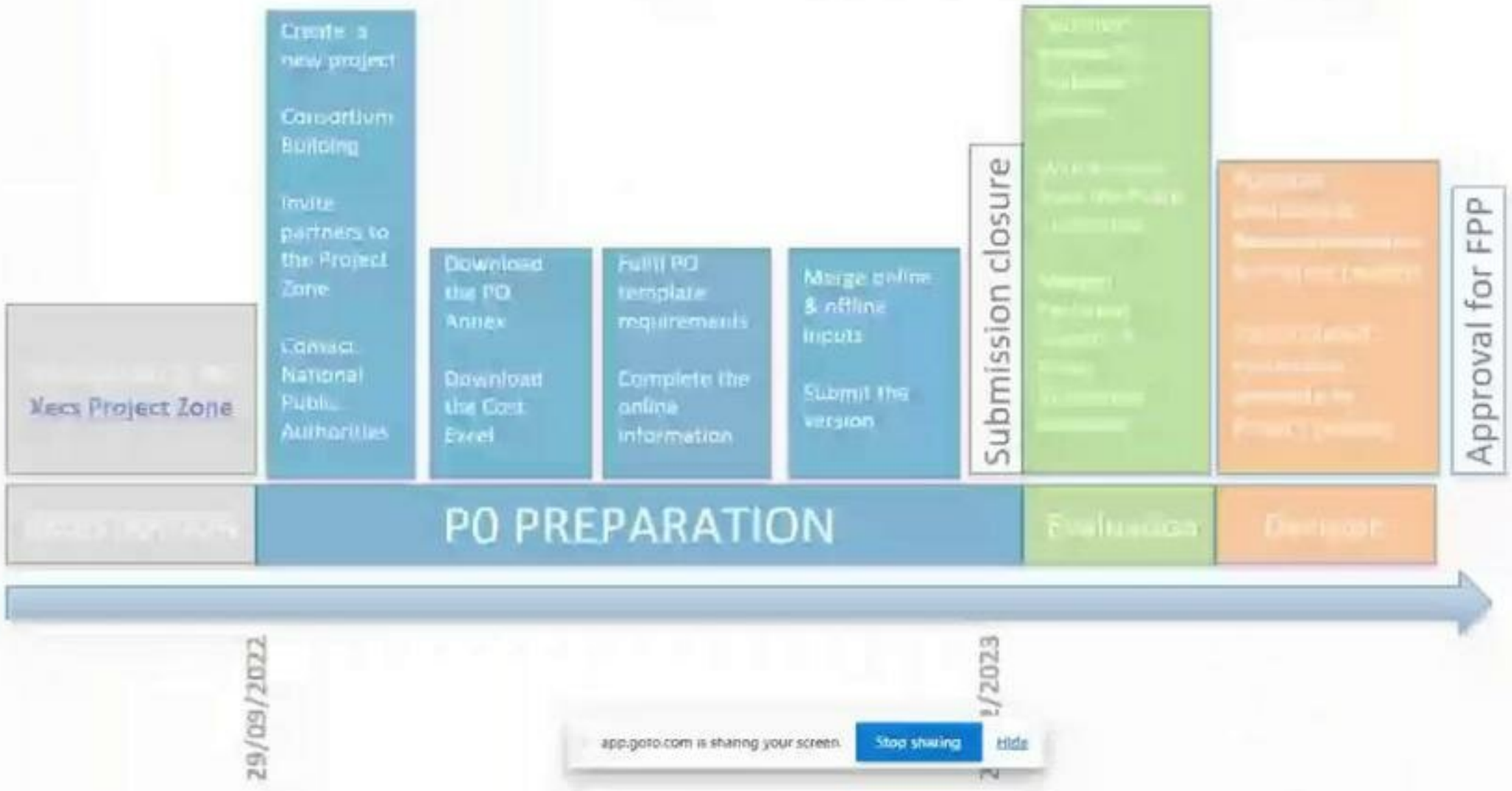
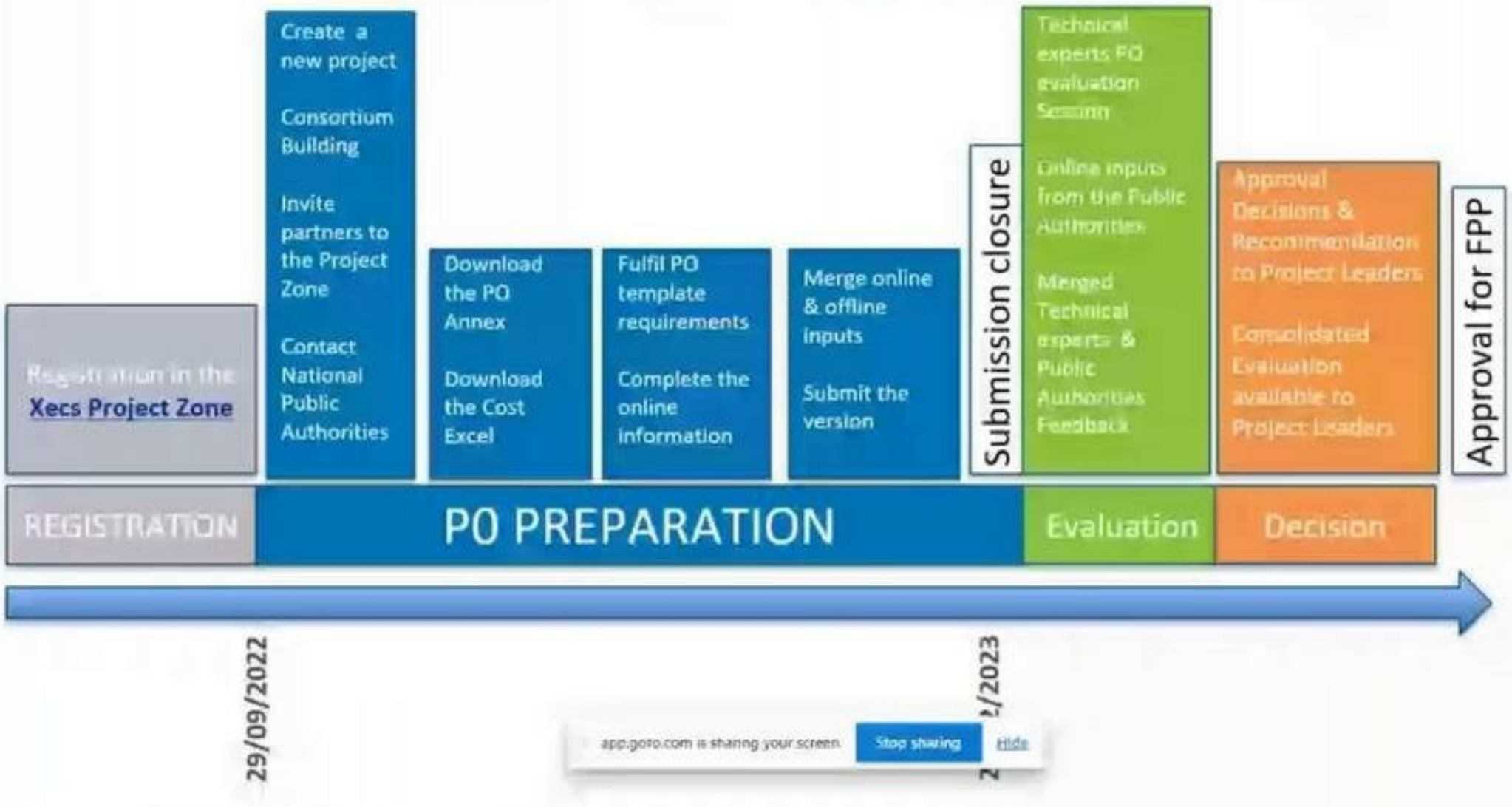
- Project submission
- Be aware of your Audience
- Project Outline Annex
- Project Zone
- Next step: Full Project Proposal
- The Xecs team

Project flow to submit a Project Outline



- Keep in mind the PO submission deadline: **Thursday, 23 February 2023 17:00:00 CET**

Project flow to submit a Project Outline



- Keep in mind the PO submission deadline: **Thursday, 23 February 2023 17:00:00 CET**

Project submission

What should you expect ?

- 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 template
    - Excel cost file

- The SOONER you start, the better !
- <u>The SOONER you contact your National Funding bodies, the better !</u>

Be aware of Your Audience!

Technical Experts

- 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 target (ECS SRIA)

Be aware of Your Audience!

National Funding Authorities

- National reviews will focus on **National** impact within the context of a trans-national collaborative project
  - Fulfilling National funding body criteria
  - Matching National RD&I focus areas
  - Must be addressed individually and collectively by the partners in each country
  - Clear impact for the country in return for National support given

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

Specific guidelines – PO Introduction

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)

Project Zone

How should you start ?

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

Project Zone

What are the different steps of a project submission ?

Create project

- View Project Zone website homepage
- 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!**

Project Zone

General summary

- Create a profile and register your project online
- Invite partners
- When you finalise your proposal 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!**

Next step: Full Project Proposal

- You will be requested to provide Work Package details
- The proposals invited for FPP will have received detailed feedback on how to improve vs. the PO phase. Make sure that you take this feedback into account

Xecs Team

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Nadja ROHRBACH

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Xecs

Aeneas

Eureka

For more information:
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