

EUREKA CLUSTERS (X ECS & SMART) NATIONAL WEBINAR - AUSTRIA

Michael Walch | European and International Programmes (FFG)
29.09.2020 | Vienna

AGENDA

- Eureka Clusters Overview
- SMART & XECS Calls in 2022
- Matchmaking events for building project ideas and consortia
- Process for organizations from Austria
- Funding conditions for organizations from Austria
- Current and future Eureka/Eurostars calls
- Q&A

Further Information

- [Eureka](#)
- [Eureka Network](#)
- [Eureka Clusters](#)
 - [SMART](#)
 - [SMART \(FFG\)](#)
 - [XECS](#)
 - [XECS \(FFG\)](#)

EUREKA OVERVIEW



EUREKA IS ...



Leading
platform for
international
cooperation

Internationale Kooperation von
Projektpartnern wird mit
mehreren Tools unterstützt!



Intergovernmental
network

National Funding Bodies:
In Österreich ist das die
Forschungsförderungsgesellschaft



Supporting
market-oriented
R&D
projects

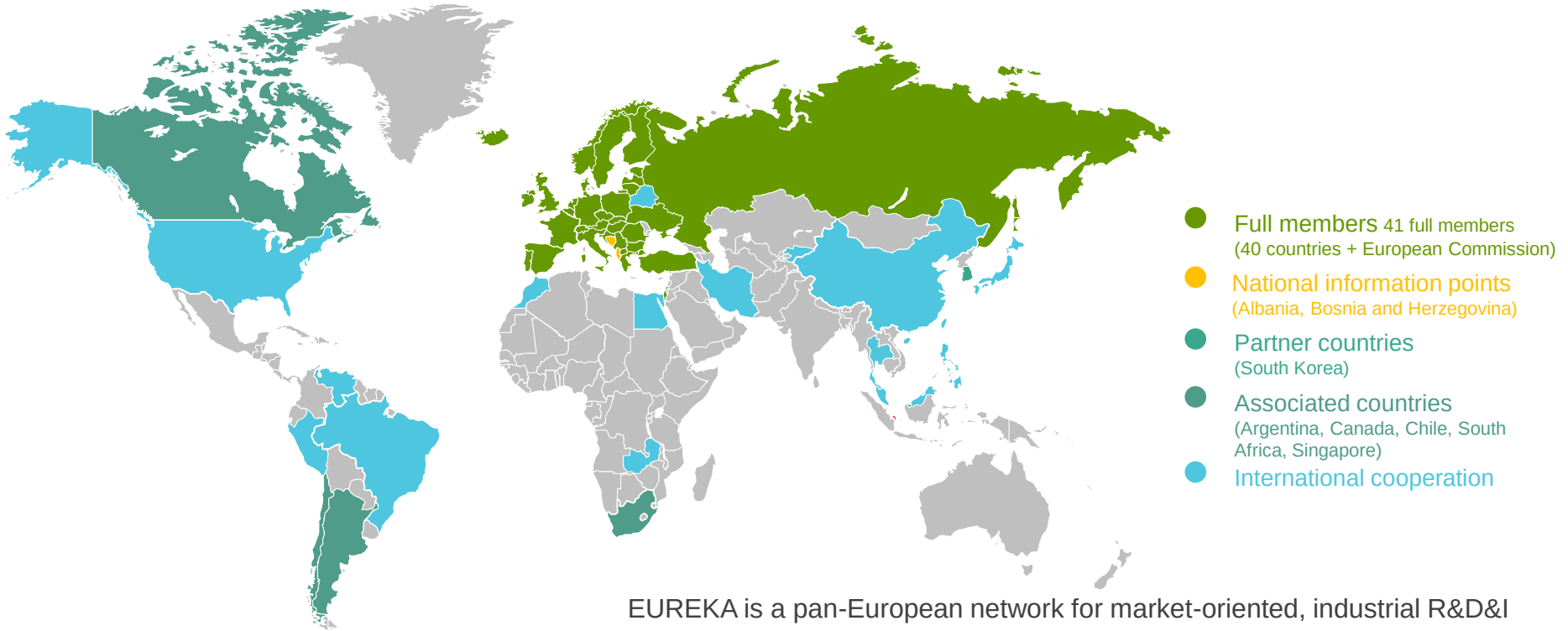
Marktnahe Forschungs- und
Entwicklungsprojekte dh.
Produkt/Prozess/Service, das entwickelt
wird ist in max. 2-3 Jahren marktreif



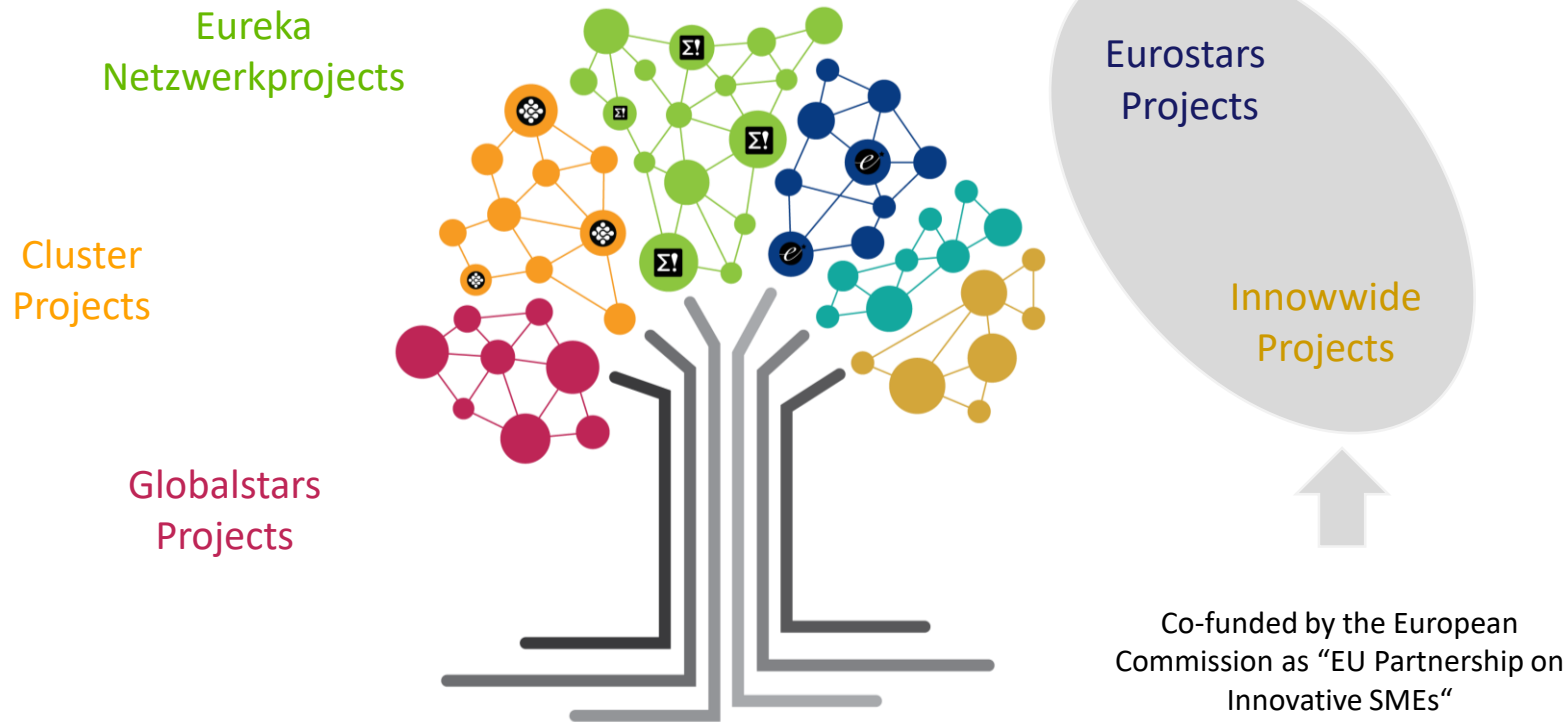
Facilitating
access to
finance

Nationale Förderung: Förderung
des nationalen Anteils von
transnationalen Forschungs-
und Entwicklungsprojekten

EUREKA NETZWERK



Eureka Instruments



EUREKA CLUSTERS



EUREKA CLUSTERS

Large Industry Communities

Driven by European industry, Eureka clusters are long-term and strategically important initiatives that develop technologies central to European competitiveness.

Eureka clusters address the needs of large companies and SMEs and are the engine for industrial innovation and economic growth.

**Software
Innovation**



**Advanced
Manufacturing**



**Electronics Components
and Systems**



**ICT and
Telecommunications**



**Sustainable Energy
Solutions**



TYPICAL EUREKA CLUSTER PROJECT

- **4 to 15 participants***
 - SMEs
 - Large companies
 - Research Institutes
 - Academia
- **3 to 5 EUREKA* members countries**
 - Minimum 2 countries
- **4 to 30M€ project costs***
 - Duration: max. 36 months

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

E.g., Project **6G-SKY** - 6G for Connected Sky



„... solutions to enable reliable and robust connectivity for aerial and ground users via flexible and adaptive network architecture adopting multiple technologies such as satellite and direct air to ground communication (DA2GC) ...“

Airbus Defence and Space GmbH, Germany
Fraunhofer Institut für Integrierte Schaltungen IIS, Germany
Ericsson Antenna Technology (EAG), Germany
Deutsche Telekom, Germany
Motius, Germany
Meshmerize GmbH, Germany
Royal Institute of Technology, KTH (Kungliga Tekniska

Högskolan), Sweden
Ericsson AB (EAB), Sweden
Skysense AB, Sweden
Swedish Post and Telecom Authority (PTS), Sweden
Lakeside Labs, Austria
RED Bernard, Austria
Twins, Austria
Ericsson Hungary, Hungary
AITIA, Hungary
SAS, Sweden

EUREKA CLUSTER SMART (ADVANCED MANUFACTURING)



Σ smart

advanced manufacturing

Technical domains



Advanced Manufacturing Processes



Smart & Adaptive Manufacturing Systems



Digital, Virtual and Efficient Companies



Person-machine Collaboration



Sustainable Manufacturing



Customer-Based Manufacturing

Key application areas



Aerospace



Automotive



Railway



Consumer goods



Capital goods



Industrial Components

6TH CALL

Calendar



- **2022/12/01:** PO Proposers day –
- **2023/01/30:** Deadline for PO –
- **2023/03/14:** Announcement invitation to present FPP
- **2023/05/03:** Deadline for FPP
- **2023/06/20:** Selected projects receive SMART label

Supporting countries



Austria



Belgium
(Flanders Region)



Canada



Czech
Republic



Switzerland



Finland



France



Hungary



Ireland



Turkey



Luxembourg



Portugal



Slovenia



South Korea



Spain



Sweden

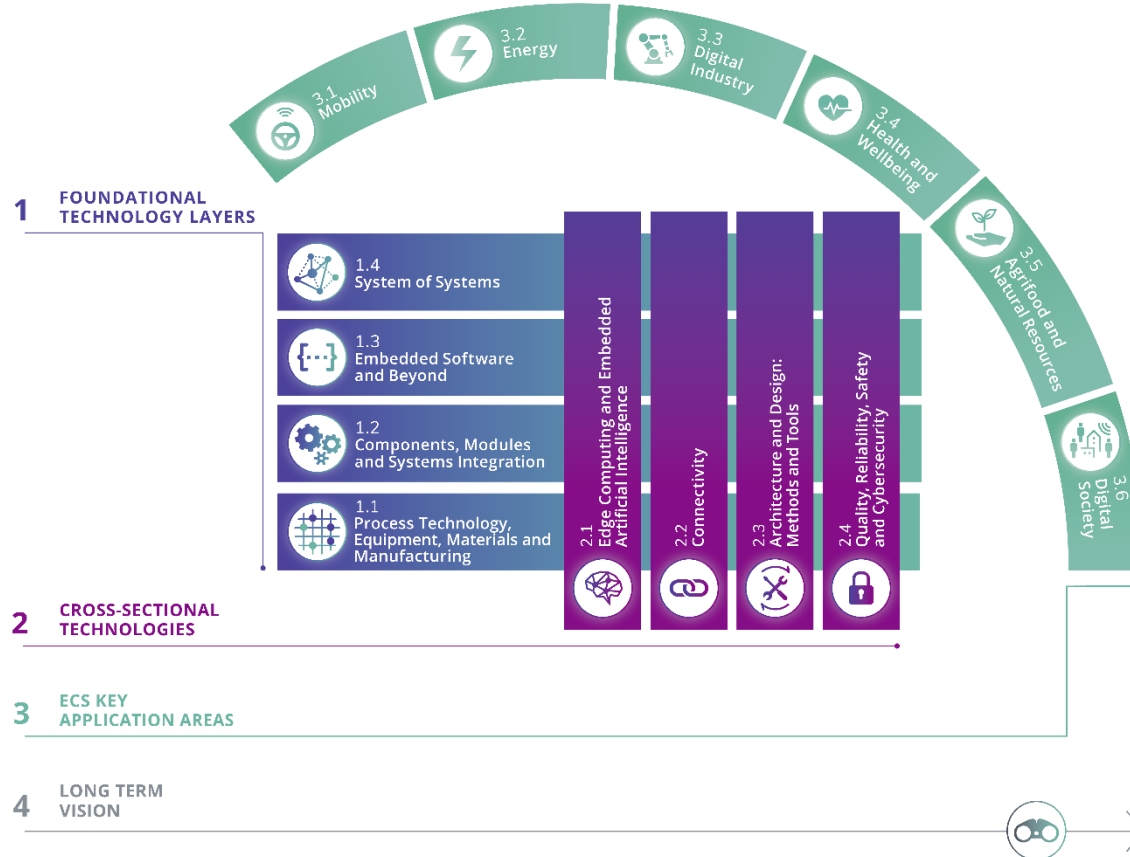


United Kingdom

EUREKA CLUSTER XECS (ELECTRONIC COMPONENTS AND SYSTEMS)



New SRIA structure - 2022 Edition -



Xecs Call 2 timeline



MATCHMAKING EVENTS FOR BUILDING PROJECT IDEAS AND CONSORTIA

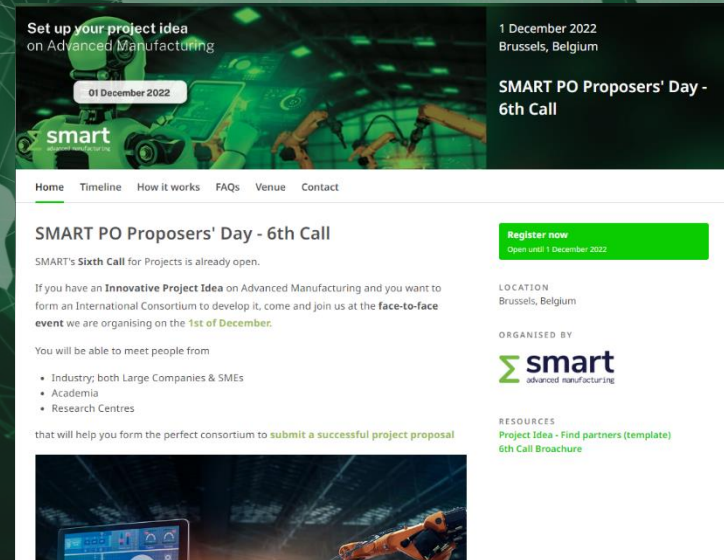


SMART PO PROPOSERS' DAY

1 December 2022 - Brussels, Belgium

You will be able to:

- Listen to Project idea pitches
- Interact with NFAs
- Hold B2B meetings with other attendees



Set up your project idea on Advanced Manufacturing

01 December 2022

smart advanced manufacturing

1 December 2022
Brussels, Belgium

SMART PO Proposers' Day - 6th Call

Home Timeline How it works FAQs Venue Contact

SMART PO Proposers' Day - 6th Call

SMART's **Sixth Call** for Projects is already open.

If you have an **Innovative Project Idea** on Advanced Manufacturing and you want to form an **International Consortium** to develop it, come and join us at the **face-to-face event** we are organising on the **1st of December**.

You will be able to meet people from

- Industry; both Large Companies & SMEs
- Academia
- Research Centres

that will help you form the perfect consortium to **submit a successful project proposal**

Register now
Open until 1 December 2022

LOCATION
Brussels, Belgium

ORGANISED BY
smart
advanced manufacturing

RESOURCES
[Project Idea - Find partners \(template\)](#)
[6th Call Brochure](#)

<https://smart-po-proposers-day-6th.b2match.io/>

Project presentation opportunities



 **EFCS 2022**
24th – 25th November 2022
Amsterdam

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

FINDING A PARTNER (FROM AUSTRIA)

1. Via the ADVANTAGE AUSTRIA office in your country
2. EEN is one of the largest online database for collaboration opportunities

Find a partner via EEN in three steps:

- Search the global partnership database based on your criteria
- Express your interest by telling your EEN representative about your company, project idea, and the type of partner you are looking for
- The EEN representatives put interested partners in touch

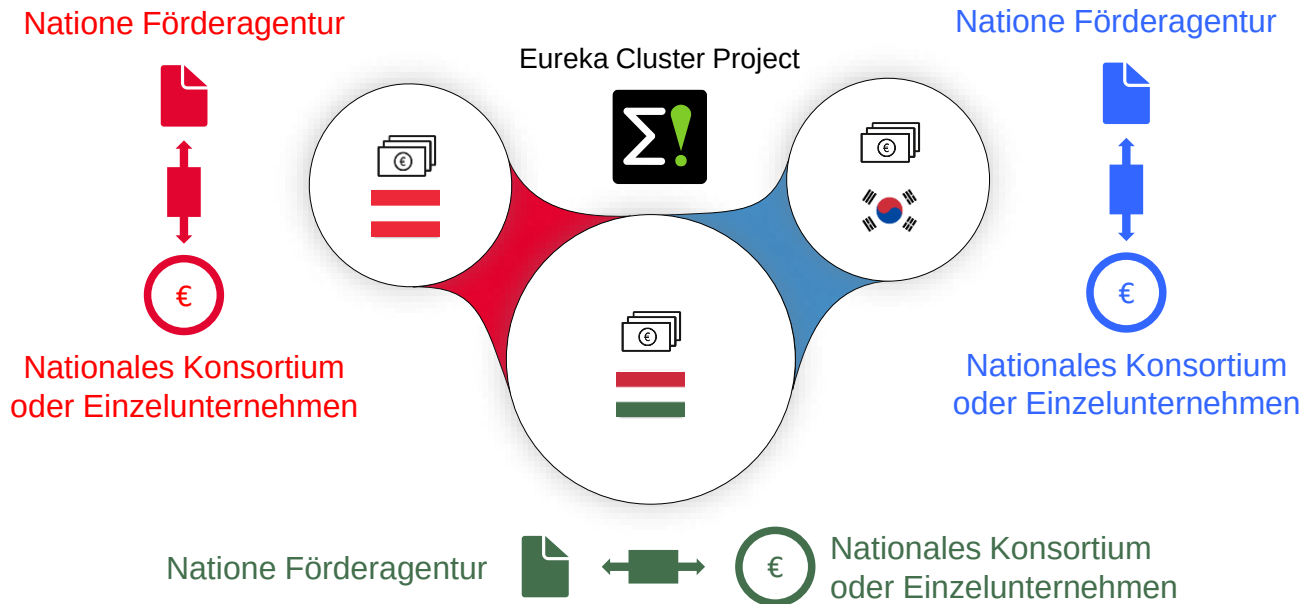


HOW ORGANIZATIONS FROM AUSTRIA CAN GET INVOLVED

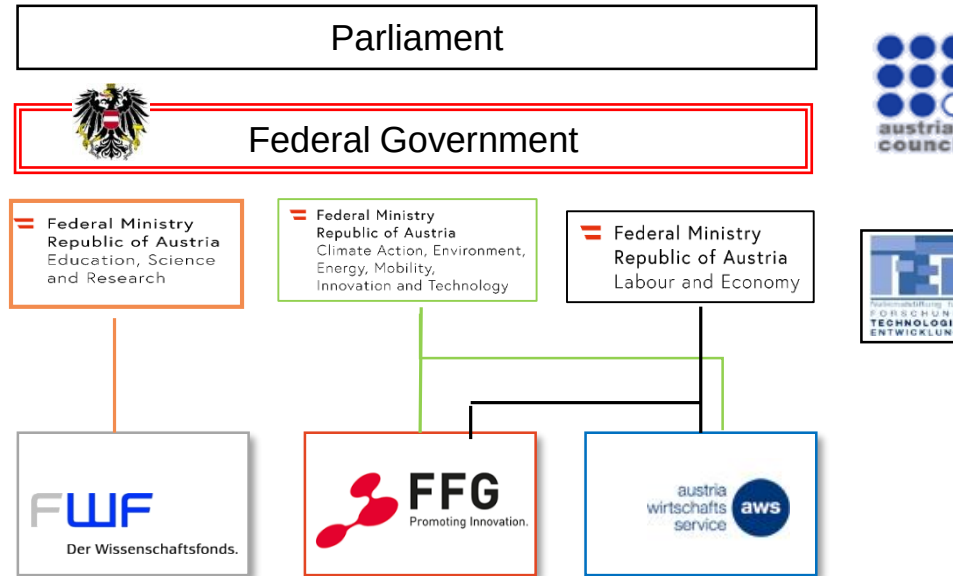


DISTRIBUTED PUBLIC-PRIVATE PARTNERSHIP

Mindestens 2 beteiligte Eureka-Länder pro Projekt
 Kein Land oder Partner beansprucht mehr als 70% der Projektkosten



AUSTRIAN INNOVATION SYSTEM



FFG FUNDING FOR AUSTRIAN PARTNERS IN EUREKA CLUSTER PROJECTS

Eureka SMART Call 2022



6TH CALL

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Supporting countries

Austria	Belgium (Kingdom)	Canada	Czech Republic	Switzerland
Ireland	France	Hungary	Iceland	Turkey
Luxembourg	Portugal	Slovenia	South Korea	
Spain	Sweden	United Kingdom		

Eureka XECS Call 2022



Xecs Call 2

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

Σeureka

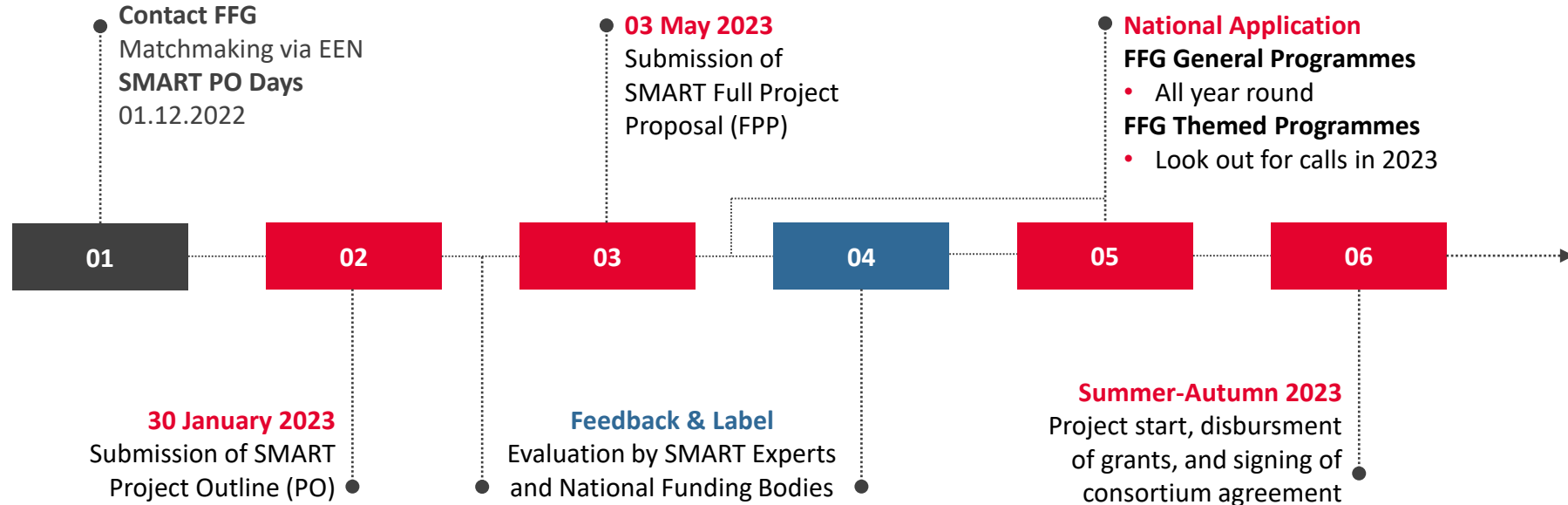
Xecs

FFG General Programmes

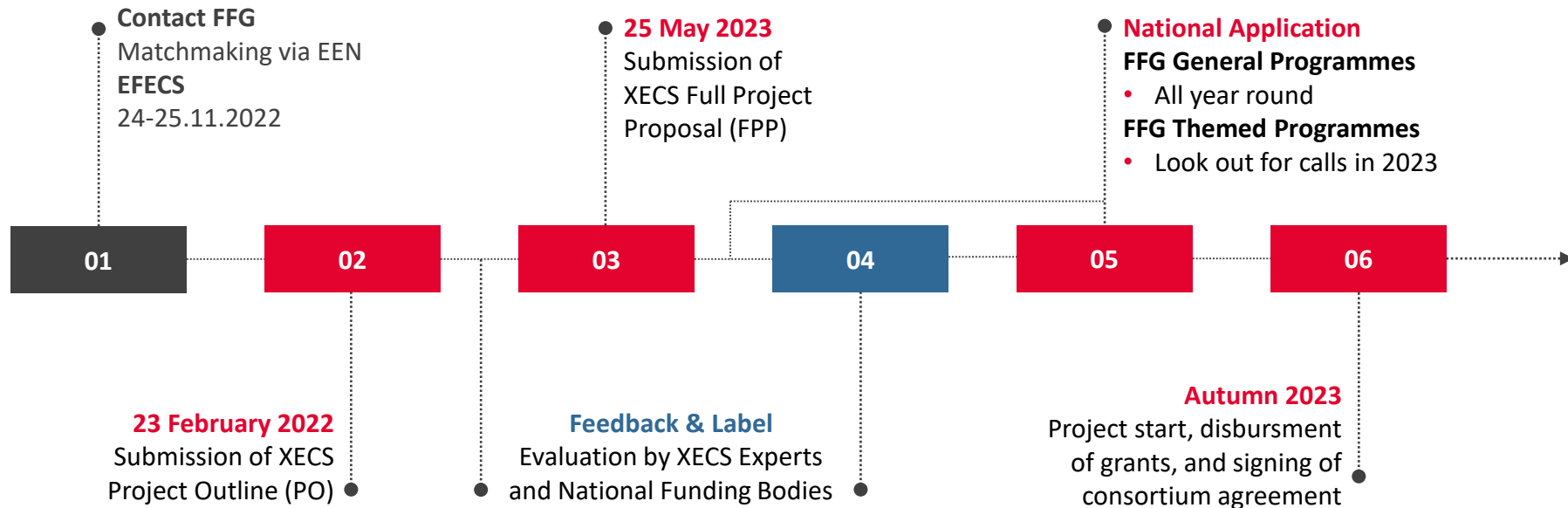
FFG Thematic
Programmes

FFG Funding

SUBMISSION PROCESS



SUBMISSION PROCESS



FUNDING CONDITIONS FOR ORGANIZATIONS FROM AUSTRIA IN EUREKA CLUSTER PROJECTS



FFG FUNDING FOR AUSTRIAN PARTNERS IN EUREKA CLUSTER PROJECTS

FFG General Programmes*

Increased funding rates through international cooperation

- Small Enterprise Grant max. 60%
- Medium Enterprise Grant max. 50%
- Large Enterprise Grant+Loan max. 50%

Research organizations can participate as subcontractors only

* R&D single firm project, open budget, bottom-up, submission all year round, max. funding € 3 mio. p.a.

FFG Thematic Programmes

A thematic focus is defined for each call

- <https://www.ffg.at/thematische-programme>

Details may vary in each call

- Industrial Research & Experimental Development, TRL 2-7
- A balanced Austrian consortium is often required
- Dedicated budget and fixed deadlines

GENERAL PROGRAMMES

Objective: Promotion of product, process and service developments (R&D project)

- An economically feasible R&D project with a **high degree of innovation** (technological novelty) and **corresponding degree of difficulty** (technological development risk) and **high exploitation potential** (market prospects).

www.ffg.at/basisprogrammprojekt

GENERAL PROGRAMMES TECHNOLOGY READINESS LEVEL

- Funding is provided for bottom-up market-oriented research, specifically "experimental development"
- The focus is on close to market research and experimental development
- Technology Readiness Level 5-7

Forschungskategorie	Technology Readiness Level
Orientierte Grundlagenforschung	TRL 1 Nachweis der Grundprinzipien
Industrielle Forschung	TRL 2 Ausgearbeitetes (Technologie-)Konzept
	TRL 3 Experimentelle Bestätigung des (Technologie-)Konzepts auf Komponentenebene
	TRL 4 Funktionsnachweis der Technologie im Labor(-maßstab) auf Systemebene
Experimentelle Entwicklung	TRL 5 Funktionsnachweis der Technologie in simulierter, dem späteren Einsatz entsprechender Umgebung – beim industriellen Einsatz im Fall von Schlüsseltechnologien
	TRL 6 Demonstration der Technologie in simulierter, dem späteren Einsatz entsprechender Umgebung – beim industriellen Einsatz im Fall von Schlüsseltechnologien
	TRL 7 Demonstration des Prototyp(-systems) in Einsatzumgebung
	TRL 8 System technisch fertig entwickelt, abgenommen bzw. zertifiziert
Markteinführung	TRL 9 System hat sich in Einsatzumgebung bewährt, wettbewerbsfähige Produktion im Fall von Schlüsseltechnologien

General Programmes - Evaluation Criteria

Qualität des Vorhabens	Innovationsgehalt	Schwierigkeit der Entwicklung (Risiko)	Nutzen und Lösungsansatz	Nachhaltigkeit im Projekteinhalt
Ökonomisches Potential und Verwertung	Marktaussichten (Potential)	Markterfahrung	Verwertung	
Eignung der Antragsteller	Technische Durchführbarkeit	Finanzielle Durchführbarkeit	Management und Organisation	
Relevanz des Vorhabens in Bezug auf das Programm	Wirkung der Förderung auf Projektebene	Wirkung der Förderung auf Unternehmensebene (Know-How-Zuwachs, F&E-Dynamik)	Volkswirtschaftliche Effekte	Soziale Verantwortung – Nachhaltigkeit auf Unternehmensebene



TIPP: Nähere Infos im [Leitfaden Unternehmensprojekt Experimentelle Entwicklung](#) ab Seite 20.



PROJEKT.START

Features: attractive funding instrument for start-ups and SME to get support for preparation work for a concrete research project

- definition of project aims
- assessment of the state of the art and literature and patent research and technical risks
- execution of well-founded market and competitor analyses
- preparation of the project organization and project partners and cost plan with obtainment of offers

<https://www.ffg.at/en/projektstart>

CURRENT AND FUTURE EUREKA/EUROSTARS CALLS



EUREKA CLUSTER CALLS 2022-2023

FFG supports all the Eureka clusters, not only SMART and XECS!

The process for submitting is similar between the clusters, but timeline, topics and community differs

- ITEA4: **15 November 2022, PO**
- Celtic-Next: **21 October 2022, PO/FPP**
- Eurogia2030: **4 November 2022, PO/FPP**

PO	Project Outline, Projektskizze
FPP	Full Project Proposal, vollständiger Projektvorschlag



EUREKA NETWORK PROJECTS AND GLOBALSTARS

Eureka Network Projects – Open Call

- Open topics, project proposals can be submitted on an ongoing basis
- Effective cooperation of at least 2 organizations from at least 2 different Eureka member countries
- National funding

Planned Calls for Eureka Network Projects und Globalstars

Fokus on topics and countries in 2023 (tbd)

- Lightweighting
- Singapore
- Pandemic Preparedness/Israel
- Kenia
- Green Hydrogen
- Chile
- ...

Eurostars

Eurostars Projekte

Nächste
Deadline:
9. März 2023
(CoD 4)

- ein Programm, das sich an innovative KMU richtet, an dem aber auch andere Organisationen teilnehmen können.
-
- Bottom-up: kann sich auf jeden Technologie- und Marktbereich beziehen
- verfolgt ausschließlich zivile Zwecke
- ist marktorientiert
- für neue Produkte, Prozesse oder Dienstleistungen, die rasch vermarktet werden können
- dem Konsortium gehören mindestens zwei voneinander unabhängige Einrichtungen aus zwei verschiedenen Ländern an. (Mindestens ein EU-Mitgliedsland, bzw. EU-assoziiertes Land)
- zentralisierter Bewertungsprozess
- dezentralisierte Finanzierung mit top-up durch die Europäische Kommission

Innowwide

Innowwide Projekte

Nächste
Deadline:
15. November
2022

- Ein Programm für innovative KMU in den Mitgliedstaaten der Europäischen Union oder den mit Horizon Europe assoziierten Ländern
- zur Unterstützung für KMU auf dem Weg zur Globalisierung
- eine Förderung in Höhe von 60.000 Euro kann beantragen werden, um die Durchführbarkeit von Forschung oder kommerziellen Vorhaben auf internationalen Märkten zu bewerten
- Partnerschaften mit einem Partner in Afrika, Nord- und Südamerika, im Nahen Osten oder im asiatisch-pazifischen Raum können eingegangen werden.

Q&A



THANK YOU FOR YOUR ATTENTION!

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