



# CELTIC-NEXT

Σeureka Cluster

Spring Call 2024, Online Proposers Brokerage Day, 13th March 2024

Xavier Priem, CELTIC-NEXT Director



## Who is CELTIC-NEXT?



[www.celticnext.eu](http://www.celticnext.eu)



CELTIC-NEXT is the world industry-driven ECP\* ICT\*\* not for profit **cluster** involving all the major ICT\*\* industry players, service providers, many SMEs, and research institutions & academia to enable a secured, trusted, and sustainable digital society.

\*Eureka Clusters Program, launched on 17/6/2021, CELTIC-NEXT was launched earlier in 2003

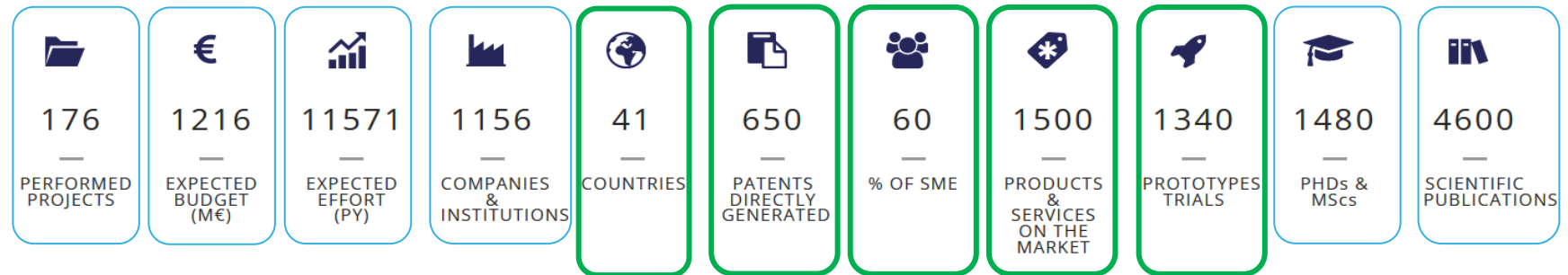
\*Eureka Clusters Program, launched on 17/6/2021

\*\* Information & Communications Technologies

\*\*\* Research, Development & Innovation

## Who is CELTIC-NEXT?

Since its launch in 2003, CELTIC has achieved:



CELTIC-NEXT is open to all entities willing to align their business targets with their national public priorities, by running common RD&I\*\*\* projects to advance the development and uptake of advanced ICT solutions, thus accelerating their own Time-To-Market.





- **The ICT Cluster** under the umbrella of EUREKA
- Focused on **Next-Generation Communications for the Digital Society**
- **A flexible and agile community of over 1150 private and public organisations**, among prominent industry players, small & medium-sized enterprises and academic/research institutions
- **The organiser of regular calls for projects, twice a year**, in Spring and Autumn; and larger Flagship Calls
- **Financed through public and private funding** through transnational RD&I cooperation
- **Open to any organisation willing to contribute to the industry-driven European and beyond ICT research programme**



# Who is CELTIC-NEXT?

## CELTIC-NEXT Mission & Vision

### **The mission of CELTIC-NEXT is to:**

- Foster our Eureka collaborative RD&I program for the ICT community
- Accelerate the deployment and uptake of advanced ICT services
- Employ the new network concepts of 5G and beyond, and lead to the innovation ownership and implementation of 6G in Eureka countries

### **Because It is crucial to consolidate the position of :**

- Eureka manufacturers and service providers
- Eureka countries sovereignty

### **The strong ambition of CELTIC-NEXT is, therefore, to:**

- Assist Eureka National Authorities, Eureka Industry, and Eureka Societies
- Make them access to societal benefits, competitive advantages, commercial returns of being at the forefront of the new digital era for the society

# What CELTIC-NEXT does ...

CELTIC-NEXT manages an international Quality Label that enables international consortia to apply more successfully to National Funding schemes and assemble them to fund international cooperative innovation.

- CELTIC Bottom-up calls
- CELTIC Flagship projects & open calls
- EUREKA ECP Joint Calls


**CELTIC-NEXT**  
 Σeureka Cluster



Beyond 5G & 6G, Connectivity, Networks & Telco Cloud, AI and more...

Next-generation Communications for a secured, trusted, and sustainable digital society


SUBMIT YOUR PROPOSAL  
[www.celticnext.eu](http://www.celticnext.eu)



**CELTIC-NEXT**  
 Σeureka Cluster

**Key dates**

 **Proposers Brokerage Day:**  
17 March 2023 in Paris

 **Deadline for Proposals:**  
24 May 2023

 **Labels Notification:**  
June 2023



**SPRING CALL 2023**  
*Open for submission*

Follow us on Social Media & Subscribe to our Newsletter to not miss out on any updates!


**CELTIC-NEXT**  
 Σeureka Cluster

**SPRING CALL 2023**  
**PROPOSERS**  
**BROKERAGE DAY**


 **Friday 17<sup>th</sup> of March 2023**

 **Bpifrance Le Hub, Paris**




**CELTIC-NEXT**  
 Σeureka Cluster

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**Σeureka Clusters**  
**Sustainability Call 2022**






# CELTIC's Community



with over 1150  
community members  
across 41 countries  
(Europe & beyond)

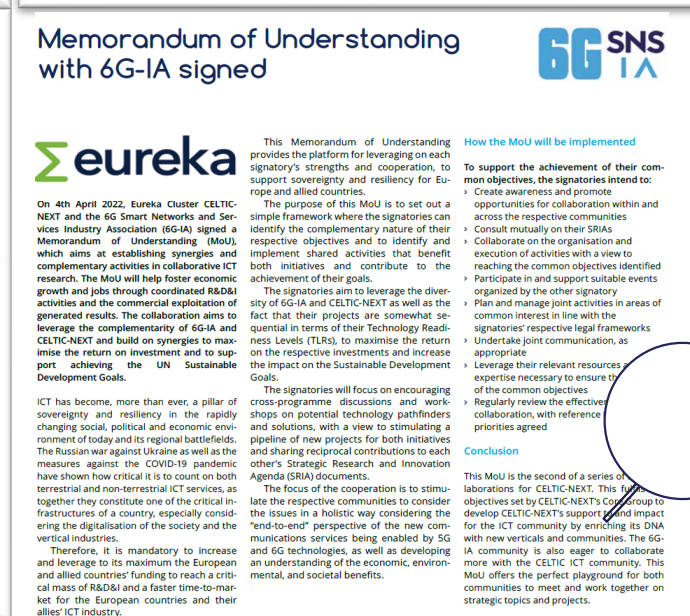
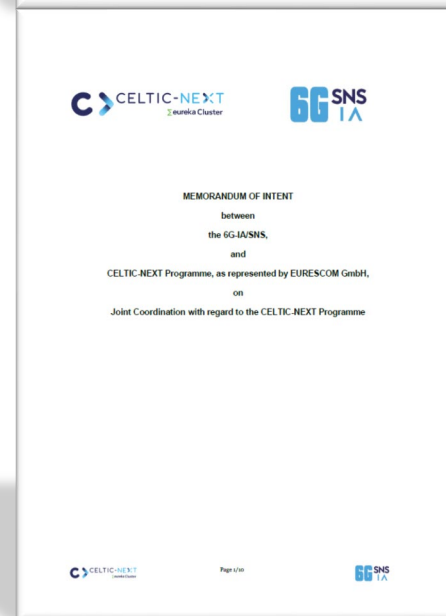
CELTIC's Community builds its  
Mission, Vision & Roadmap



# CELTIC-NEXT in the European Funding Landscape

## EUREKA-CELTIC & European Space Agency MoI Signed (Nov. 2021)

## EUREKA-CELTIC & 6G-IA SNS MoU Signed (Apr. 2022)



Knowledge exchange & SRIAs cross-contributions

Leveraging funding schemes across TRLs & topics

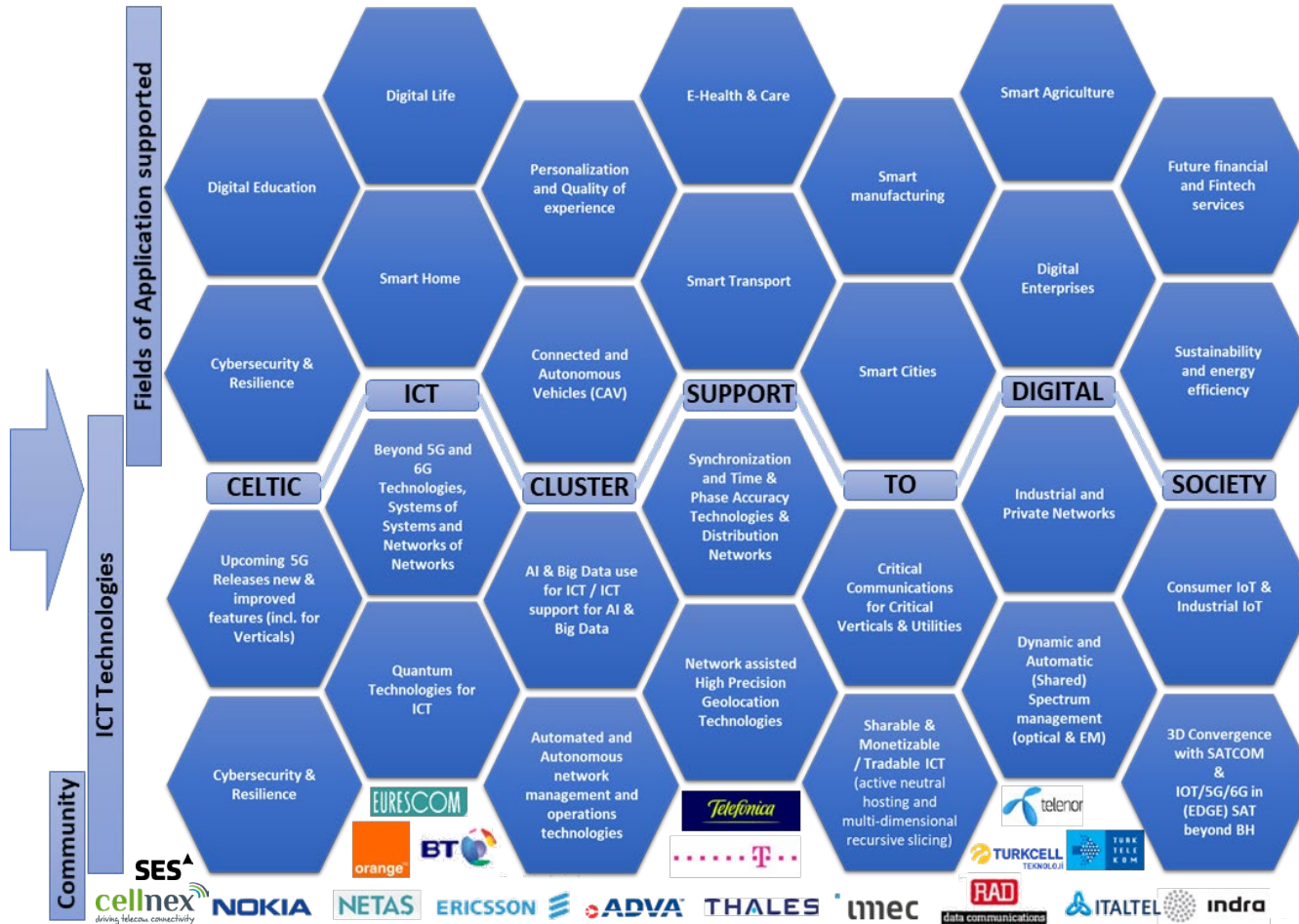
Calls timing alignment  
Easier pipelining of proposals

From Research to Market (TRL 7, early adopters, testbeds...)

Offering innovative entities the full panel between top-down programs and bottom-up spaces for their collaborative projects



As usual, Proposals that address **any** of the topics of the **CELTIC Strategic Roadmap** in this bottom-up call are welcomed



<https://www.celticnext.eu/strategic-roadmap/>

CELTIC is also looking into:

- ☐ Non-Terrestrial-Networks and Terrestrial Networks convergence
- ☐ Digitalisation of the Economy thanks to ICT technologies
- ☐ Clean Growth & Sustainability
- ☐ Remote Health & Care
- ☐ ICT for Industry 4.0 and Logistics
- ☐ Critical Coms for Emergency & Rescue Services
- ☐ Critical Resilient Infrastructures & Cybersecurity
- ☐ Open RAN
- ☐ Private Networks (including Industrial & leisure)
- ☐ AI for ICT & Networks (including Radio Massive MIMO, Open-RAN RICs, ...)
- ☐ Consumer IoT, Industry IOT
- ☐ ICT Technologies for METAVERSES
- ☐ and 5G Advanced and 6G topics

# CELTIC-NEXT's DNA

## ➤ Bottom-up

Proposers are free to define their project proposal according to their own research interests

## ➤ Close to the market

So far projects have led to more than 1500 new or improved products and services

## ➤ High Success Rate

High-quality proposals have a good chance of receiving funding.  
Average success rate 60 %

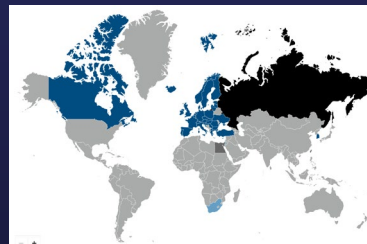
## ➤ Flexibility

Project focus can be adjusted to new technological developments in the field

# FOR YOUR SUCCESS

By participating, you will get

- The award of an Globally Recognised Label
- Professional coaching and mentoring
- Easy access for SMEs
- Access to SMEs for Large industry & vice-versa
- Access to partners from more than 45 countries
- Access to national funding (while having international co-innovation)
- Transnational RD&I cooperation



Expectable benefits for you

- Boosting your competitiveness
- Accelerating your growth
- Shortening time to market
- Accessing new markets
- Increasing your international visibility
- Exposing your know-how to the eco-system
- Receiving guidance, coaching and monitoring of your project by the CELTIC Office,
- flexible project coaching process where you can adapt your project plan, consortium and other aspects, in agile way, using CELTIC's Project Change Requests



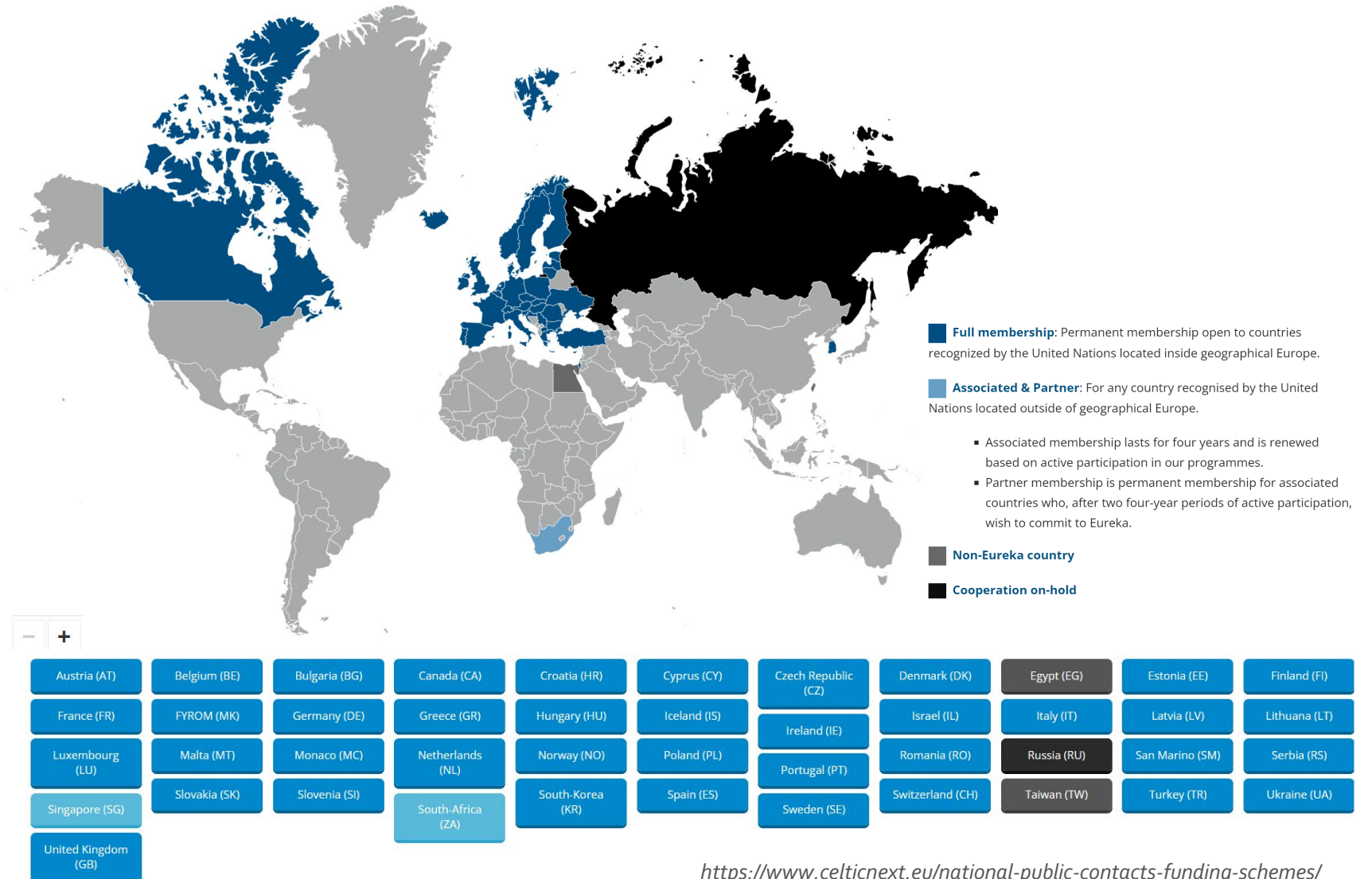
Your opportunities are

- Immerge yourself into a rich ecosystem covering the technology and business whole value chains (Large Industry, SMEs, Startups, RTOs, Academia, end-users)
- Build RD&I consortia during brokerage and other events
- Lead or be part of an industry lead project
- Create and foster collaborative innovation
- Stimulate disruptive and/or sustainable ideas
- Run and manage your collaborative project with the Office's support
- Adapt to internal and external circumstances
- Generate high economic impact
- Grow and collaborate beyond borders
- Deliver high social and economic impacts
- Support U.N. SDGs

# Opportunities to collaborate globally



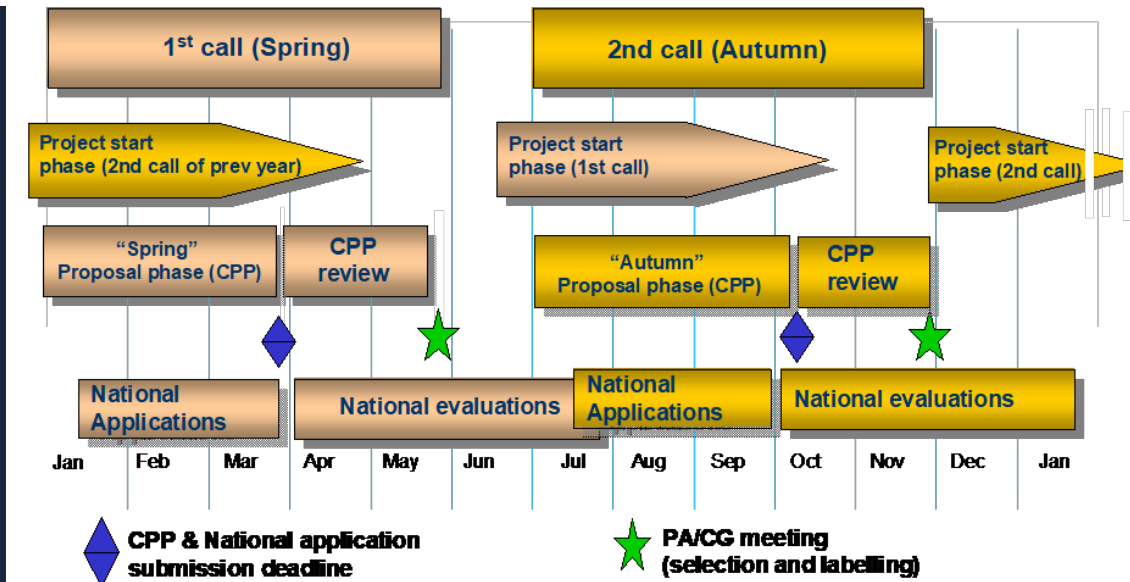
And potentially  
more countries in  
the future...





# Call process and timelines

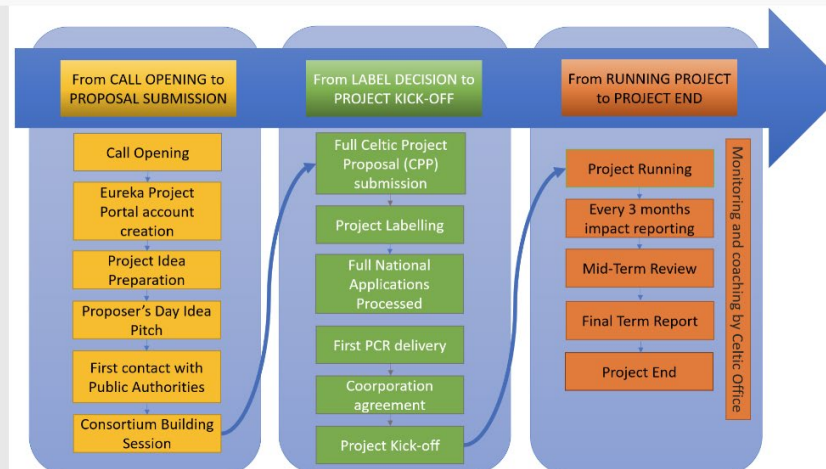
CELTIC offers 2 bottom-up calls per year and additional flagship calls



## Call Process

Interactive map of Celtic-Next calls and projects

Click on the map to guide you through the cluster project process and navigate the website.

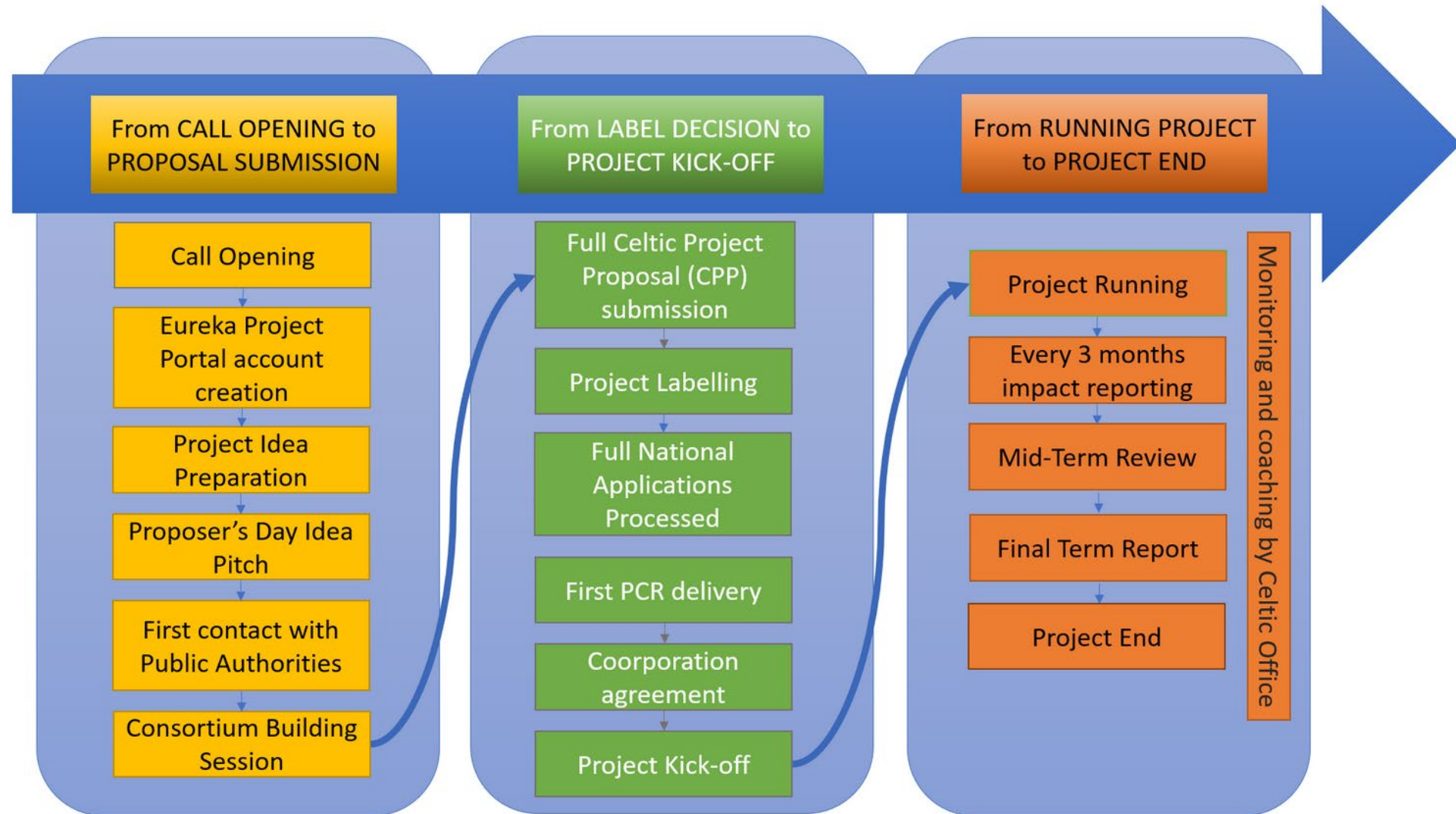


## Autumn Call 2023 dates:

- ☐ Opening  
13th of Nov 2023
- ☐ Launch Event  
13th of Feb 2024
- ☐ Proposers Brokerage Day  
13th of March 2024
- ☐ Deadline for proposals  
3rd of May 2024
- ☐ Labels notification  
End June 2024

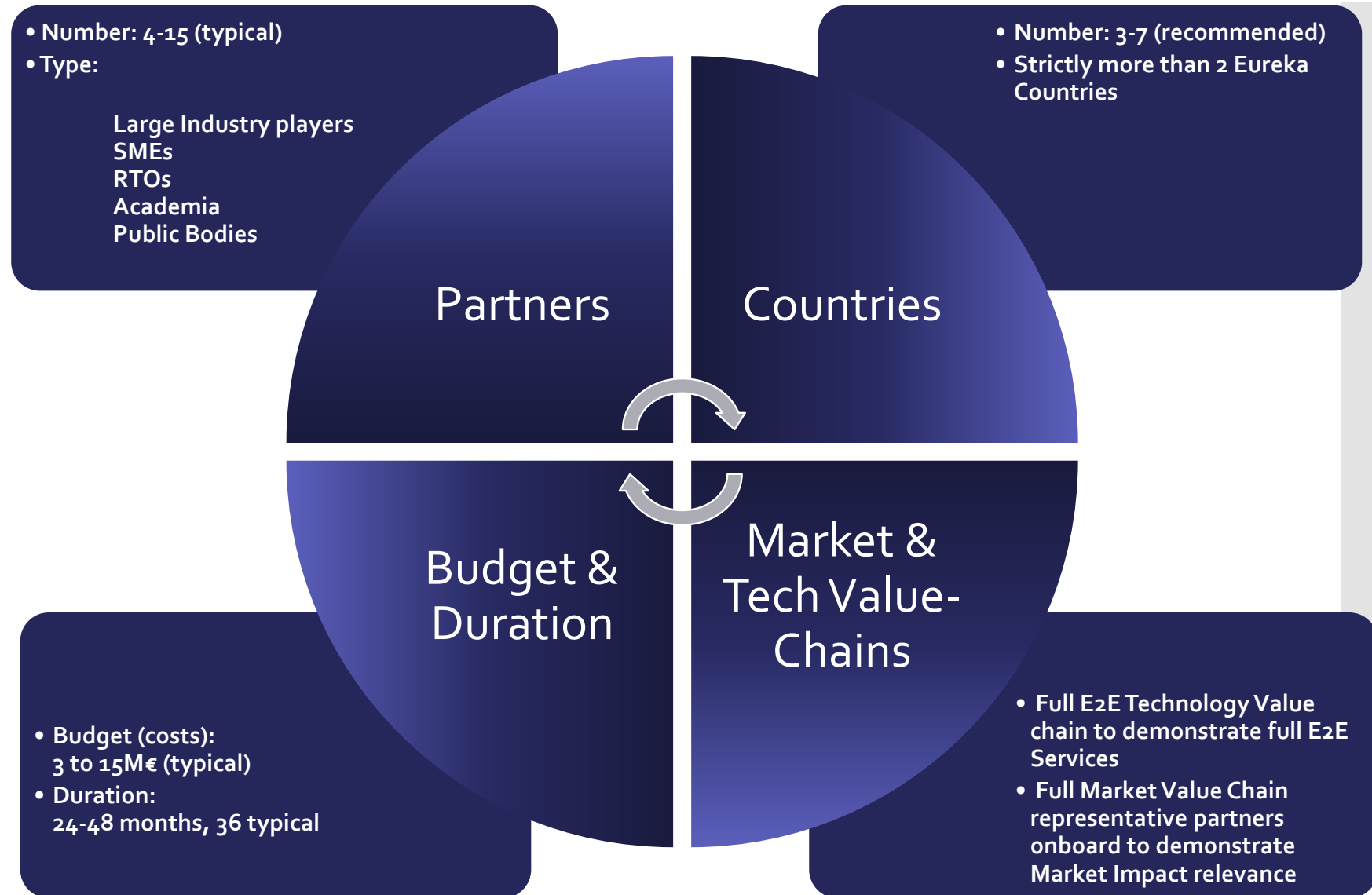
<https://www.celticnext.eu/call-information/>  
<https://www.celticnext.eu/proposers-days/>  
<https://www.celticnext.eu/call-calendar/>  
<https://www.celticnext.eu/brokerage-tool/>

# CELTIC-NEXT Call Process



<https://www.celticnext.eu/call-information/>

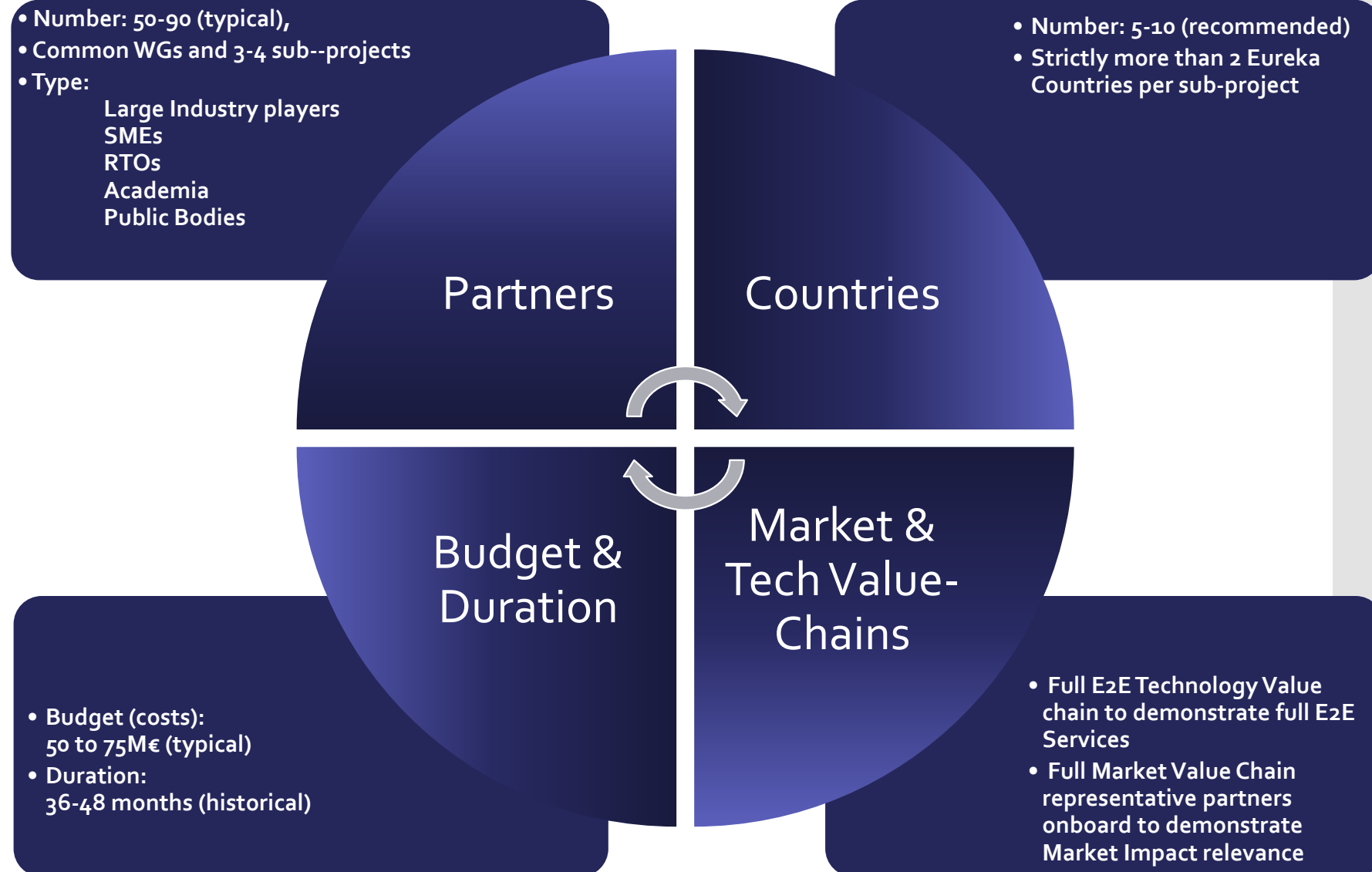
# CELTIC-NEXT's typical BOTTOM-UP call projects





# CELTIC-NEXT's typical FLAGSHIP projects

(hybrid bottom-up &  
top-down model)



Bottom-Up Autumn Call 2023

9 valid proposals  
28,4mio€ budget / 381 FTEs  
62 participants in 15 countries  
AT, CA, CH, ES, FI, FR, IE, IL, KR, LU, PL, PT, RS, TR, UK  
Labelling meeting on January 2024  
3 fully labelled, 2 labelled with modifications,  
4 not labelled

Bottom-Up Spring Call 2024

Promotion starting 1st of Dec 2023

Launch Event 13/02/2024

Brokerage Day 13/03/2024

FPP deadline 3rd of May 2024

Labelling June 2024

Our Community is  
active!

AI-NET Flagship follow-up project

Preparation has started  
Interested Countries,  
please contact CELTIC's Director  
Forecasted FPP May 2024

3D-NET (NTN, Space) flagship

Core Team of Industrials in recruitment  
Interested Countries,  
please contact CELTIC's Director  
First meetings to happen in March 2024



**Important: please contact the Public Authorities before Projects submission:**

<https://www.celticnext.eu/national-public-contacts-funding-schemes/>

**Receiving their opinion early can avoid mistakes in your proposal, and will improve your chances to get the label by aligning with National Priorities and Schemes**

<https://www.celticnext.eu/call-information/>



# Events to prepare impactful projects:

## CELTIC-NEXT's

- Launch Days
- Proposers Days
- Annual Events
- Brokerage platform



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<https://www.celticnext.eu/proposers-days/>  
<https://www.celticnext.eu/call-calendar/>  
<https://www.celticnext.eu/brokerage-tool/>

Start informing yourselves,  
use the Brokerage Tool

Pitch your original idea,  
meet potential partners!

Pitch your matured idea,  
meet additional partners!



SIMONA:

EUREKA Global Project of the Year 2019

# CELTIC Flagship projects impact the Market & Standards



## SASER

**Secure Communications for Europe**

*Spin-off's and Start-ups:*

- Cailabs (France)
- aXenic Ltd (UK)

**27 new and 28 improved products.**

*Record Data Transmission: 38.4 Terra bit / sec.*

The American Library of Congress (the world biggest) would be transmitted in 3 seconds

60  
Partners  
80M€



80  
Partners  
70M€

## SENDATE

**Secure Networking for a Data Center cloud in Europe**

- *The world's first 100G quantum safe transport over 2,800 km*
- *The world's first 400G link with single-photodiode for DC Interconnect*
- Edge Computing shifts high traffic loads away from Core DC
- Secure cloud close to the customer allows low latency applications



Cornelia Rogall-Grothe (State Secretary, BMI – German Ministry of the Interior) and Dr. Georg Schütte, State Secretary of the German Federal Ministry for Education and Research (BMBF) - Copyright: hannibal/BMBF



SENDATE Closing Event in Ericsson's HQ in Kista, March 2019



# AI-NET - Accelerating digital transformation in Europe by Intelligent NETWORK automation

## CELTIC-NEXT AI-NET umbrella project

### ANTILLAS

subproject



**Optical networks for latency critical and highly available services**

### PROTECT

subproject



**Secure enterprise connectivity**

### ANIARA

subproject



**5G / 6G Edge and Industry 4.0**

**Automation** of services and applications on the edge (Nokia)

Carrier-grade **AI/ML** for automation (Ericsson)

**Edge platform and infrastructure** (RISE)

**Safety and security** solutions (ADVA)

## Subprojects

- Coordination and management by Telekom system manufacturer
- Rapid development of prototypes and early market access







## Horizontal working groups

- bi- and multi-lateral cooperation across sub-projects
- Standardization and open platforms
- Joint field tests and demos



# Project data and structure

CELTIC-NEXT AI-NET (06/2020 – 12/2024)

	<div>ANTILLAS subproject   AI-NET-ANTILLAS</div>	<div>PROTECT subproject   AI-NET-PROTECT</div>	<div>ANIARA subproject   AI-NET-ANIARA</div>
Deutschland	X	X	X
France	X		
Sweden		X	X
Finland	X		
UK			X
Netherlands		X	
Poland		X	

7

Countries

98

Participants

68.3 M€

Total budget

507 PJ

Total effort

Leverage though participation of many European countries

# AI-NET impact and current project KPIs ... and still counting!

194

Publications

104

PhD & Master Theses

48

IPR, Open Source &  
Standards  
Contributions

60

PoCs

46

Keynotes and general  
public comms

36

Hirings

High impact with excellent project KPIs

# 2023 Proposers' Brokerage Days : 3 important moments during those days



SPRING CALL 2023  
PROPOSERS' BROKERAGE DAY

## CONFERENCE

The Conference part organised in the morning will be the perfect occasion to learn more about the Public Authorities funding schemes and priorities, as well as the process of CELTIC Calls!

Keynote speakers will also present about innovative and cutting-edge ICT topics.

Hybrid registration both open for  
FREE! - only 100 places in-person



Bpifrance Le Hub, Paris

Friday 17 March 2023

CELTICNEXT.EU



SPRING CALL 2023  
PROPOSERS' BROKERAGE DAY

## PITCHING SESSION

The Pitching Session organised in the afternoon is the perfect opportunity to give your new project idea the best visibility to recruit additional consortium partners and to prepare a full project proposal for the upcoming CELTIC Calls!

Please send your new project idea pitch presentation using the given PPT template by the **6th of March** to [event@celticnext.eu](mailto:event@celticnext.eu).

Presentations can not exceed 6 minutes & have to be in-person.

Hybrid registration both open for  
FREE! - only 100 places in-person



Bpifrance Le Hub, Paris

Friday 17 March 2023

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SPRING CALL 2023  
PROPOSERS' BROKERAGE DAY

## BROKERAGE & NETWORKING FORUM

The brokerage and networking forum session organised in the afternoon will be the perfect occasion to discuss with public authorities, interested proposers, and to build your consortium and consolidate your preparations for applying to CELTIC Calls!

Proposal writing support will also be offered by the CELTIC Director and the office team.

Hybrid registration both open for  
FREE! - only 100 places in-person



Bpifrance Le Hub, Paris

Friday 17 March 2023

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<https://www.celticnext.eu/celtic-brokerage-event-spring-call-2023/>



# Conclusion

**Join the CELTIC-NEXT Community** and apply to trans-national funding for your next steps of development of your innovations, technologies and products & services, **and:**

- **Get a recognised international label** to your innovations
- **Don't be restraint** to specific limit to your innovation project (**bottom-up** vs top-down)
- **Get a larger visibility** for collaboration
- **Gain commercialisation channels** (mixing Large Industry with SMEs and RTOs) in near-to-market innovation collaborations
- **Accelerate your Time-To-Market by increasing your TRLs** in a near to market funding scheme
- **Collaborate easily outside of Europe** (Eureka Network of Countries) with the proven EUREKA Clusters mechanism, extending again your visibility and commercialisation channels





MANY THANKS FOR YOUR ATTENTION.

CELTIC-NEXT



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