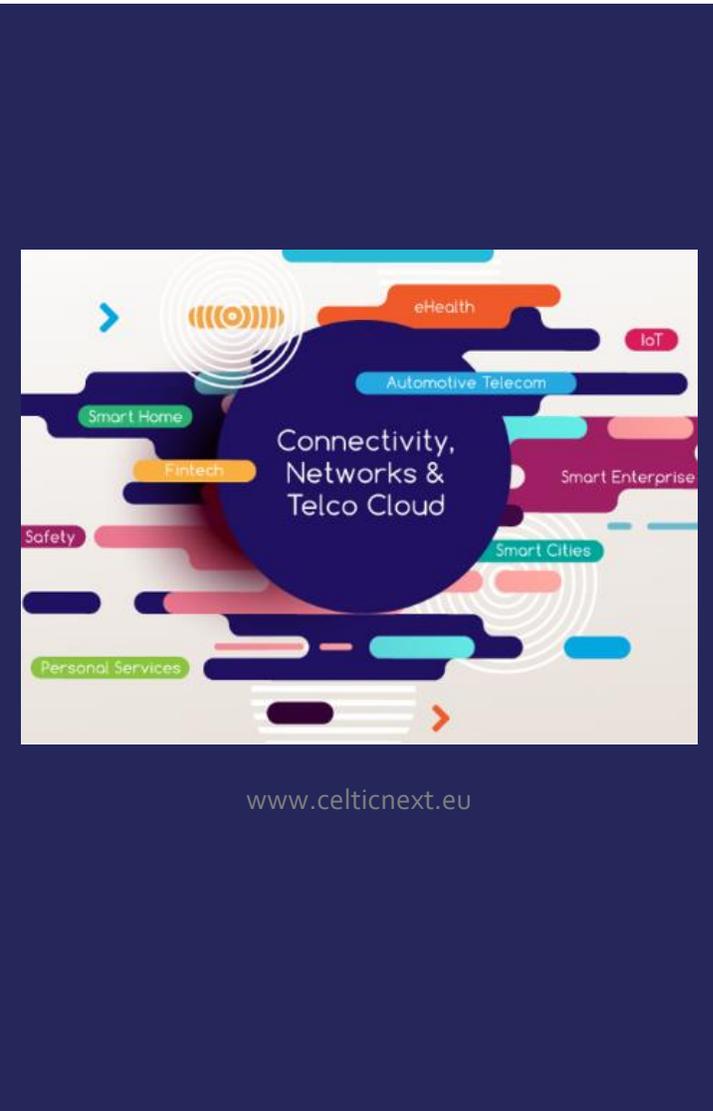www.celticnext.eu

CELTIC-NEXT Σeureka Cluster

is the EUREKA ECP* Cluster
for next-generation communications
for a secured, trusted, and sustainable
digital society.

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

Outline

- ✓ **CELTIC-NEXT Presentation**
- ✓ **CELTIC-NEXT Scope**
- ✓ **CELTIC-NEXT Benefits**
- ✓ **CELTIC-NEXT Management**
- ✓ **CELTIC-NEXT Strategic positioning**

CELTIC-NEXT is…

➢ **The ICT Cluster** under the umbrella of EUREKA

➢ Focusing 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

➢ **Organising 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**

What CELTIC-NEXT does...

CELTIC-NEXT manages an international Quality Label that enables international consortia to apply more successfully to National Funding schemes (mostly match-funding):

➢ CELTIC Bottom-up calls
➢ CELTIC Flagship Calls
➢ EUREKA ECP Joint Calls

Celtic-Next Calls and Projects Timeline
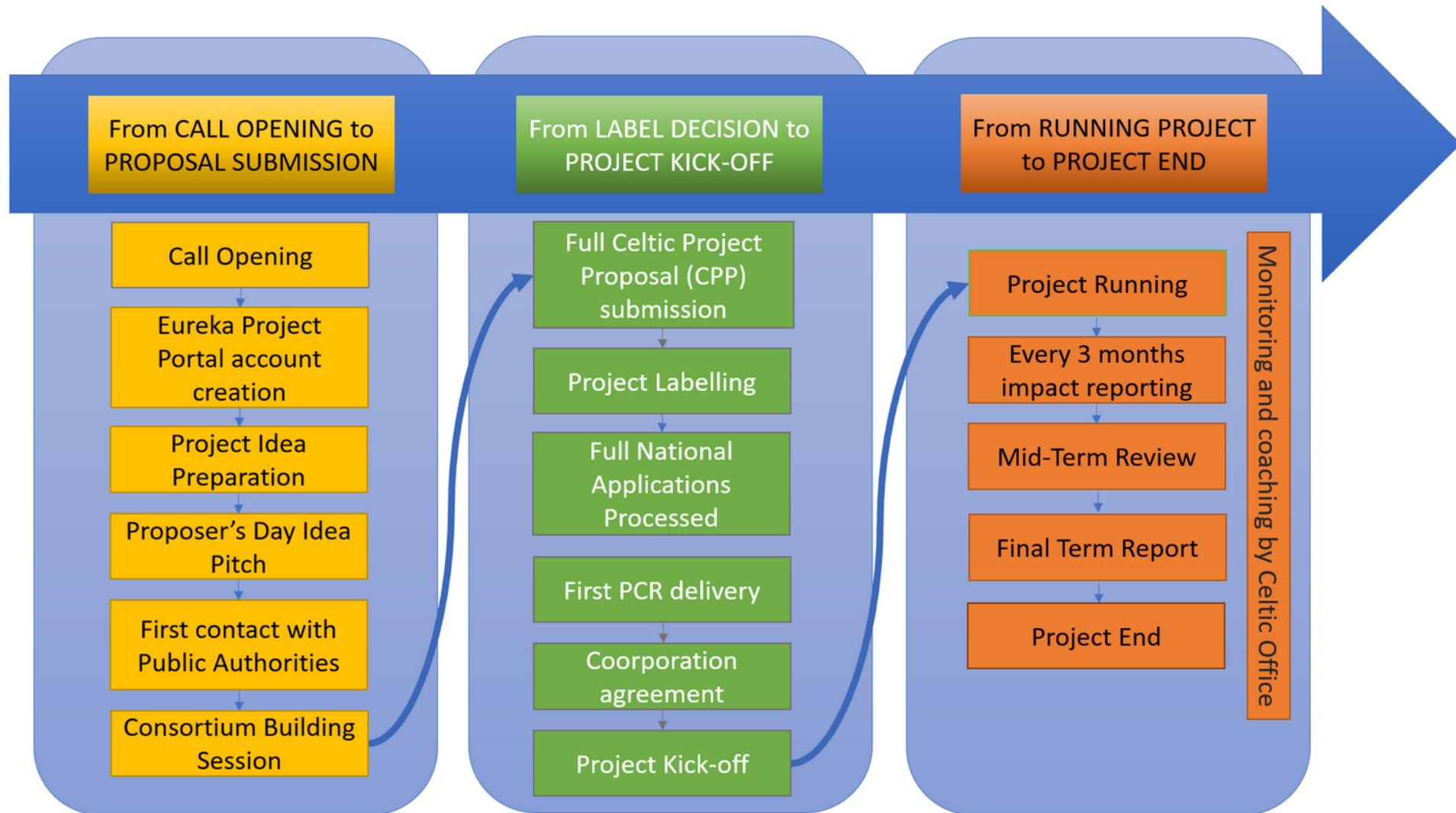
https://www.celticnext.eu/call-information/

- Full Proposal Submission by proposers (one stage process)

- Evaluation by: Industry Experts and Public Authorities

- Label Decision: Public Authorities and CELTIC Core Group

Full Project Submission

CELTIC Label Decision

Evaluation by:
1. **Industry Experts**
2. **Public Authorities**

Time line: 6 weeks in total

CELTIC-NEXT scope

CELTIC-NEXT Mission, Vision and Roadmap

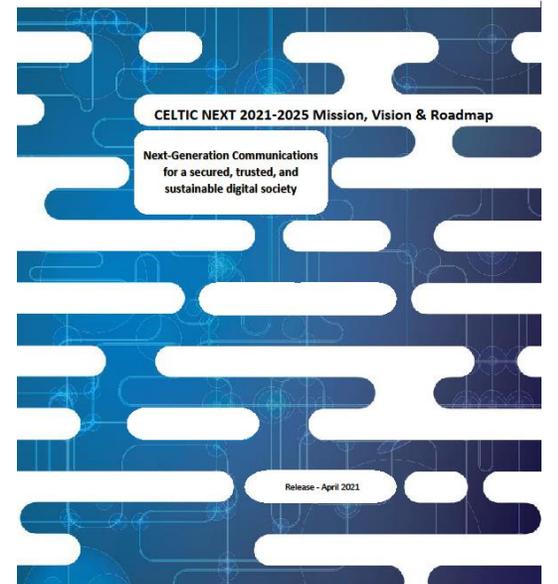**The mission of CELTIC-NEXT for the next 4 years is to:**

➢ Foster our Eureka collaborative RD&I program for the ICT community
➢ Accelerate the deployment and take up of advanced ICT services
➢ Employing the new network concepts of 5G and leading to the ownership and implementation of 6G in Eureka countries

It is crucial to consolidate the position of :

➢ Eurekan manufacturers and service providers
➢ With a high degree of Eurekan sovereignty

A strong ambition of CELTIC-NEXT is to:

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

CELTIC NEXT 2021-2025 Mission, Vision & Roadmap

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

Release - April 2021

Celtic-Next high level targets

Societal & Environmental Excellence

❑ Investigate where advanced communications can reduce carbon footprints for many vertical sectors.

❑ Assist Eureka Nations and Industry to access the societal benefits & returns of being at the forefront of the new digital society.

❑ Consolidate the Eureka Nations Sovereignty in ICT technologies and services, thus, other critical infrastructures relying on ICT infrastructures, like the Energy Grid…

Economical Excellence

❑ Consolidate the position of Eurekan ICT Manufacturers and Service Providers, within Eureka Countries and on the Global Market

❑ Bring all Eureka Communities to consider the issues in a holistic way considering the "end-to-end" perspective of the new communications
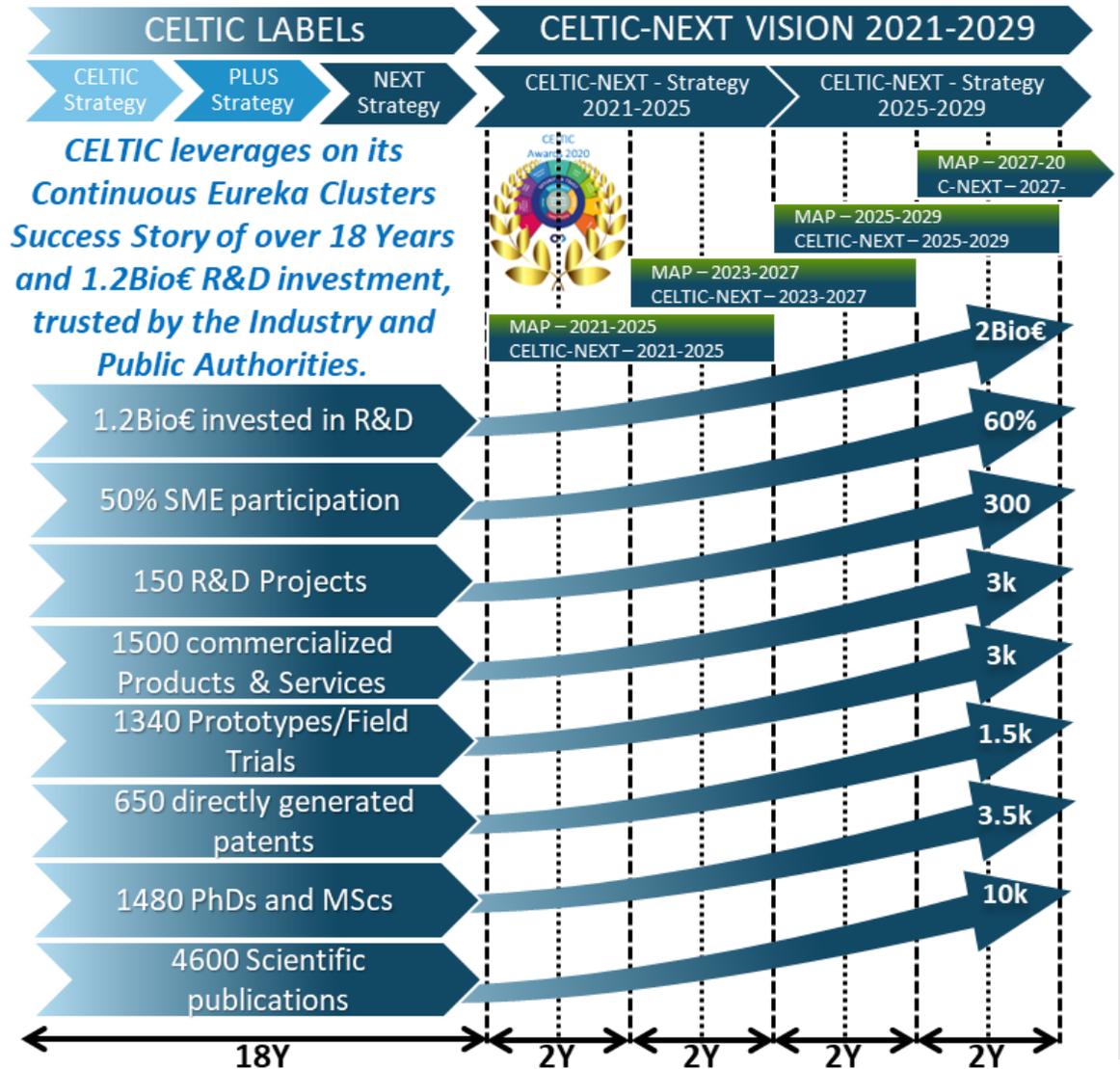
Technical Excellence

❑ Accelerate the deployment and take up of new advanced end-to-end ICT services, employing the new network concepts of 5G and leading to the implementation of 6G for & in Eureka countries,

❑ Actively facilitate the adoption of those ICT technologies by all targeted Verticals into their communities, business models and processes

CELTIC-NEXT benefits

Assets of Celtic

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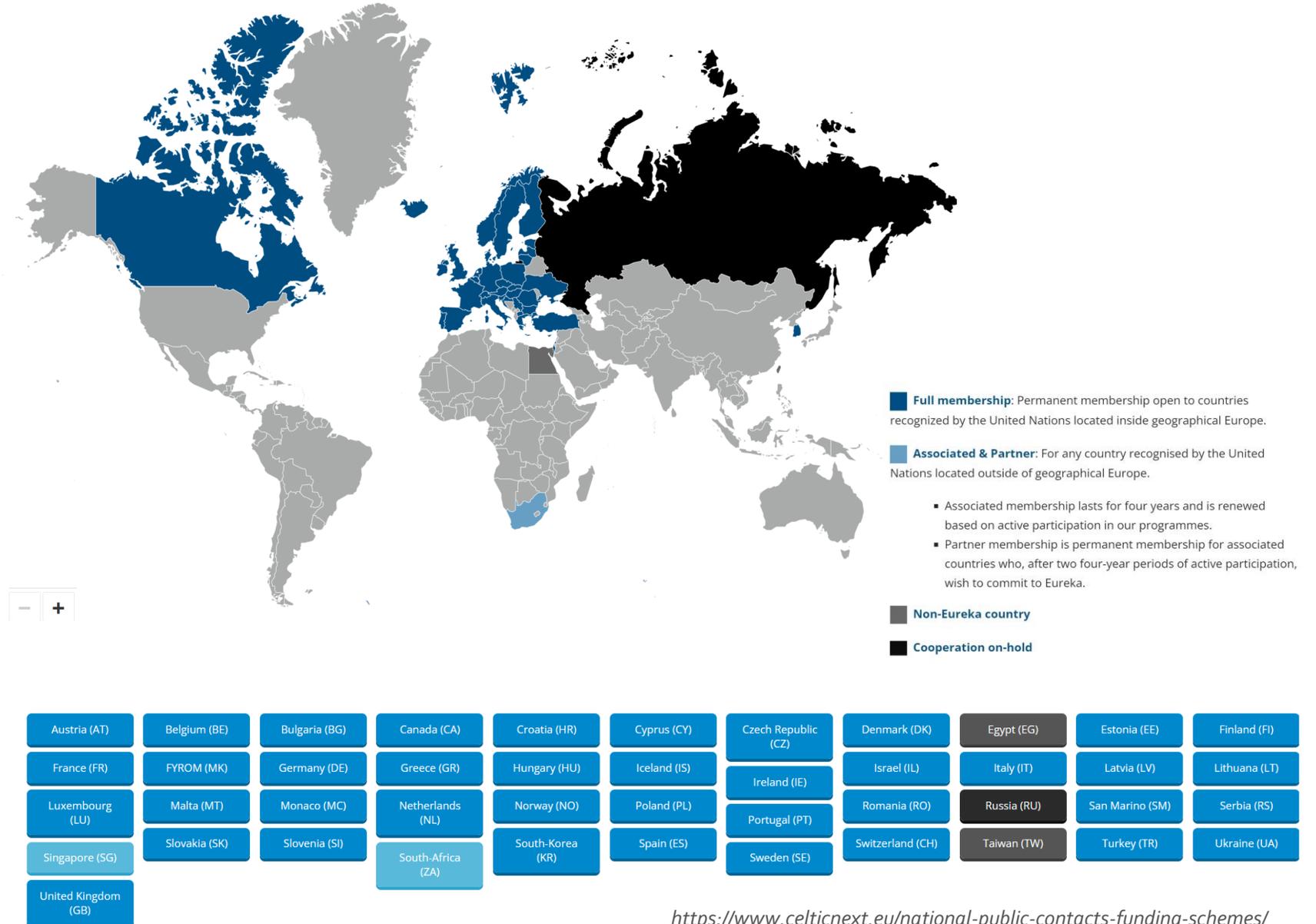　Project focus can be adjusted to new technological developments in the field

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➢ CELTIC leverages on its continuous Eureka Clusters Success Story of over 18 years and 1.2Bio€ R&D investment, trusted by the Industry and Public Authorities

163	1216	11571	1156	41	650
PERFORMED PROJECTS	EXPECTED BUDGET (M€)	EXPECTED EFFORT (PY)	COMPANIES & INSTITUTIONS	COUNTRIES	PATENTS DIRECTLY GENERATED

50	1500	1340	1480	4600
% OF SME	PRODUCTS & SERVICES ON THE MARKET	PROTOTYPES TRIALS	PHDs & MScs	SCIENTIFIC PUBLICATIONS

Opportunities to collaborate globally

Europe

Canada

South-Korea

South-Africa

Singapore

And potentially more countries in the future

Full membership: Permanent membership open to countries recognized by the United Nations located inside geographical Europe.

Associated & Partner: For any country recognised by the United Nations located outside of geographical Europe.

- Associated membership lasts for four years and is renewed based on active participation in our programmes.
- Partner membership is permanent membership for associated countries who, after two four-year periods of active participation, wish to commit to Eureka.

Non-Eureka country

Cooperation on-hold

Austria (AT)	Belgium (BE)	Bulgaria (BG)	Canada (CA)	Croatia (HR)	Cyprus (CY)	Czech Republic (CZ)	Denmark (DK)	Egypt (EG)	Estonia (EE)	Finland (FI)
France (FR)	FYROM (MK)	Germany (DE)	Greece (GR)	Hungary (HU)	Iceland (IS)	Ireland (IE)	Israel (IL)	Italy (IT)	Latvia (LV)	Lithuana (LT)
Luxembourg (LU)	Malta (MT)	Monaco (MC)	Netherlands (NL)	Norway (NO)	Poland (PL)	Portugal (PT)	Romania (RO)	Russia (RU)	San Marino (SM)	Serbia (RS)
Singapore (SG)	Slovakia (SK)	Slovenia (SI)	South-Africa (ZA)	South-Korea (KR)	Spain (ES)	Sweden (SE)	Switzerland (CH)	Taiwan (TW)	Turkey (TR)	Ukraine (UA)
United Kingdom (GB)										

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

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Celtic-Next is the solution for consortia who want to:

- ✓ Perform collaborative join RD&I consortia and projects within Europe and beyond

- ✓ Immerse yourself into a rich ecosystem by growing and collaborating beyond borders

- ✓ Interconnect with SMEs and large industries in 45 countries

- ✓ Foster and generate collaborative innovation by leading or being part of an industry-led project

- ✓ Stimulate disruptive and sustainable ideas

- ✓ Enrich your collaborative project via our Brokerage Tool

- ✓ Get professional coaching and mentoring before and during your project

- ✓ Get public funding support simultaneously in several countries

- ✓ Reach a high chance of getting your project funded

- ✓ Have low administrative overhead and a flexible framework

- ✓ Get high exploitation potential and business impact

- ✓ Boost your competitiveness and accelerate your growth

- ✓ Access new markets in a shortened time

Available Tools provided by CELTIC to labelled projects

CELTIC-NEXT also provides a number of additional services for registered members of CELTIC domains and, in particular, for all project domains. The offered tools are part of the tool-set provided by Eurescom GmbH. **EuresTools® is a modular suite of Cloud-based project management tools.** The tools have been specifically designed to meet the needs of Horizon 2020 projects and European R&D projects in general.

Those 〰 EuresTools **services and tools are free of charge** as included in the CELTIC fee:

- ▾ Reporter
- ▾ Conferencing
- ▾ Workspace
- ▾ Website
- ▾ Tracker
- ▾ Mailing List

Note: to access detailed information about the tools and services a domain access password is required.

https://www.celticnext.eu/project-support-tools/

Types of Dissemination Activities

- CELTIC website: www.celticnext.eu
- Project website is required
- Project Twitter account should follow @CelticNext Twitter account and vice versa
- CELTIC-NEXT LinkedIn: tiny.../celtic...
- Interviews
- CELTIC Brochure
- CELTIC Project Leaflets
- CELTIC News
- Technical newspapers
- Conference papers
- Standardisation activities

Website: www.celticnext.eu

Support to organize kickoffs, reviews…

CELTIC-NEXT Newsletter

Please have a look at our Newsletter

https://www.celticnext.eu/newsletter/

and register for free subscription

https://www.celticnext.eu/news-subscription/

www.celticnext.eu

CELTIC News 1/2022

The newsletter of EUREKA Cluster CELTIC-NEXT

CELTIC Chair's Corner
The new improved Eureka Clusters Programme

Eureka
The Eureka CELTIC – ESA Space-ICT Programme

Project Highlights
Health5G – Healthcare Transforming with 5G
Wireless Tech

CELTIC-NEXT management

Organisational Structure
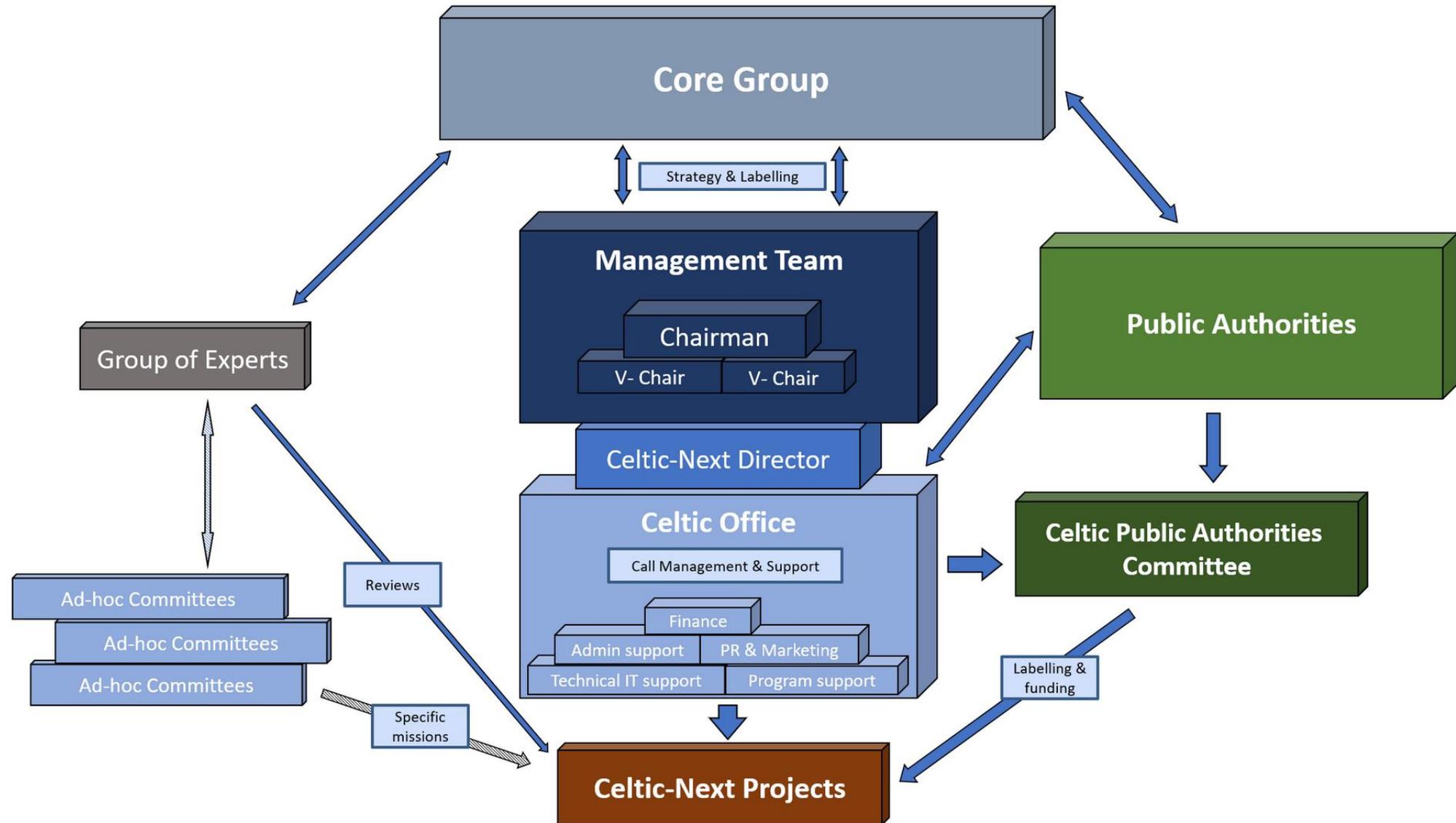
Core Group Organisation

Industry
20 CELTIC-NEXT Core Group (CG)

National Authorities
CELTIC Authorities Committee (CELTAC)

Management Team

Chairperson:
David Kennedy, EURESCOM

Vice-Chair:
Riza Durucasugil, NETAS

Vice-Chair:
To be confirmed, CG Member

CELTIC Director
Xavier Priem

CELTIC OFFICE

- Office admin support team
- Technical IT support team
- Programme support team
- PR & Marketing support team
- Finance support team

Celtic Office Structure

Xavier Priem

Director
- Overall responsibility for Cluster & Office
- Interface toward Core Group and ESE
- Support for PAs

Xavier Priem *(acting)* **Christiane Reinsch** *(full)*

Programme Co-Ordinator(s)
- Monitoring of project progress
- Support for projects
- Coordination with all PAs

Ellen Tallas **Luitgard Hauer**

Operational support Web-Administration-Projects
- Accounting and administration support
- Proposal registration
- Website management

Klaas-Pieter Vlieg

Manager IT Services
- IT Security and Support

Pooja Mohnani

Public Relations Manager
- Planning of corporate communication measures
- Relationship maintenacing of Public Relations
- Representation of CELTIC-NEXT on Eureka level

Audrey Bienvenu

Business Development Trainee
- Business development
- Projects and team support

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CELTIC-NEXT

strategic positioning

EUREKA-CELTIC-ESA MoI Signature Event

November 2021 – Porto

MEMORANDUM OF INTENT
between
the European Space Agency,
Eureka Association AISBL
and
CELTIC-NEXT Programme, as represented by EURESCOM GmbH,
on
Joint Coordination with regard to the CELTIC-NEXT Programme

Press Release
Eureka PT Chair | Eureka Cluster – CELTIC | European Space Agency

Connecting Terrestrial ICT with Space ICT

Strategic Collaboration between Eureka, CELTIC-NEXT and ESA ARTES

Porto, 22 November 2021. Eureka Cluster CELTIC-NEXT (CELTIC-NEXT) and the European Space Agency (ESA) signed a Memorandum of Intent (MoI) today, which aims to bring their respective communities closer together. This will enable the faster convergence and development of terrestrial and non-terrestrial network and service technologies in the innovative field of Space ICT.

The MoI will help to foster economic growth and jobs through coordinated R&DI activities and the commercial exploitation of integrated space and terrestrial systems enabled by 5G and 6G. The collaboration aims to leverage the complementarity of ESA and CELTIC-NEXT and build on synergies to maximise the return on investment and to support achieving the UN Sustainable Development Goals.

Eureka Chairman Miguel Bello Mora, Elodie Viau – Director of Telecommunications and Integrated Applications and Head of ECSAT at the European Space Agency (ESA), and CELTIC Office Director Xavier Priem.

Also announced to the Ministerial Event the week before.

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6G-IA/SNS MoU

April 2022

Memorandum of Understanding with 6G-IA signed

On 4th April 2022, Eureka Cluster CELTIC-NEXT and the 6G Smart Networks and Services Industry Association (6G-IA) signed a Memorandum of Understanding (MoU), which aims at establishing synergies and complementary activities in collaborative ICT research. The MoU will help foster economic growth and jobs through coordinated R&D&I activities and the commercial exploitation of generated results. The collaboration aims to leverage the complementarity of 6G-IA and CELTIC-NEXT and build on synergies to maximise the return on investment and to support achieving the UN Sustainable Development Goals.

ICT has become, more than ever, a pillar of sovereignty and resiliency in the rapidly changing social, political and economic environment of today and its regional battlefields. The Russian war against Ukraine as well as the measures against the COVID-19 pandemic have shown how critical it is to count on both terrestrial and non-terrestrial ICT services, as together they constitute one of the critical infrastructures of a country, especially considering the digitalisation of the society and the vertical industries.

Therefore, it is mandatory to increase and leverage to its maximum the European and allied countries' funding to reach a critical mass of R&D&I and a faster time-to-market for the European countries and their allies' ICT industry.

This Memorandum of Understanding provides the platform for leveraging on each signatory's strengths and cooperation, to support sovereignty and resiliency for Europe and allied countries.

The purpose of this MoU is to set out a simple framework where the signatories can identify the complementary nature of their respective objectives and to identify and implement shared activities that benefit both initiatives and contribute to the achievement of their goals.

The signatories aim to leverage the diversity of 6G-IA and CELTIC-NEXT as well as the fact that their projects are somewhat sequential in terms of their Technology Readiness Levels (TLRs), to maximise the return on the respective investments and increase the impact on the Sustainable Development Goals.

The signatories will focus on encouraging cross-programme discussions and workshops on potential technology pathfinders and solutions, with a view to stimulating a pipeline of new projects for both initiatives and sharing reciprocal contributions to each other's Strategic Research and Innovation Agenda (SRIA) documents.

The focus of the cooperation is to stimulate the respective communities to consider the issues in a holistic way considering the "end-to-end" perspective of the new communications services being enabled by 5G and 6G technologies, as well as developing an understanding of the economic, environmental, and societal benefits.
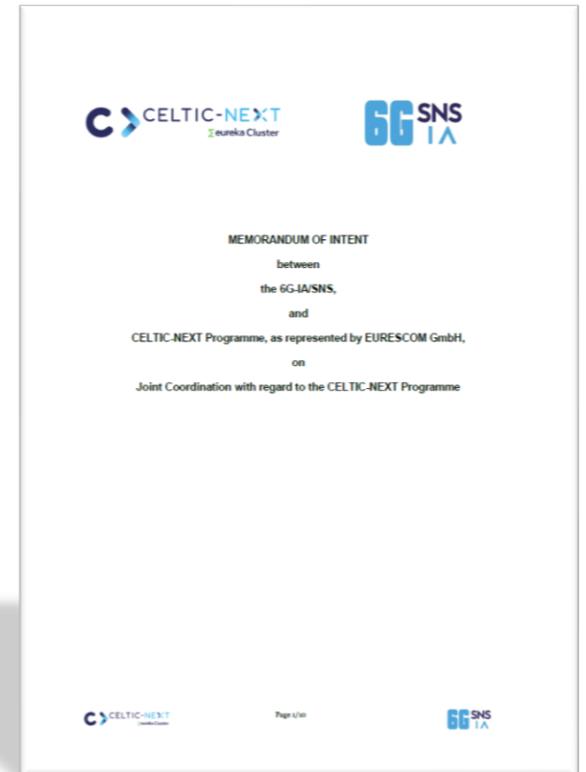
How the MoU will be implemented

To support the achievement of their common objectives, the signatories intend to:
› Create awareness and promote opportunities for collaboration within and across the respective communities
› Consult mutually on their SRIAs
› Collaborate on the organisation and execution of activities with a view to reaching the common objectives identified
› Participate in and support suitable events organized by the other signatory
› Plan and manage joint activities in areas of common interest in line with the signatories' respective legal frameworks
› Undertake joint communication, as appropriate
› Leverage their relevant resources and expertise necessary to ensure the success of the common objectives
› Regularly review the effectiveness of this collaboration, with reference to the priorities agreed

Conclusion

This MoU is the second of a series of new collaborations for CELTIC-NEXT. This fulfils the objectives set by CELTIC-NEXT's Core Group to develop CELTIC-NEXT's support to and impact for the ICT community by enriching its DNA with new verticals and communities. The 6G-IA community is also eager to collaborate more with the CELTIC ICT community. This MoU offers the perfect playground for both communities to meet and work together on strategic topics and projects.

MEMORANDUM OF INTENT

between

the 6G-IA/SNS,

and

CELTIC-NEXT Programme, as represented by EURESCOM GmbH,

on

Joint Coordination with regard to the CELTIC-NEXT Programme

MANY THANKS FOR YOUR ATTENTION.

If you have any questions please do not hesitate!

CelticNextEurekaCluster

@CelticNext

CELTIC-NEXT Video Channel

Xavier PRIEM
CELTIC-NEXT - Director

c/o Eurescom GmbH
Wieblinger Weg 19/4
69123 Heidelberg, Germany

Mobile: +49 1515 796 2180
Fax: +49 6221 989 209

Email: mailto:priem@celticnext.eu
Web: https://www.celticnext.eu/

CELTIC-NEXT is a division of Eurescom GmbH/ Heidelberg