



How to set up a successful CELTIC project



**CELTIC Proposers Day,
Madrid, 26th of September 2017**

**Peter Herrmann
Director Celtic Office**

<https://www.celticplus.eu/>



2003-2018: 16 years of success

- 1 B€ invested in innovation
- 150+ R&D projects
- Creation of new businesses and new market
 - 926 products commercialised
 - 11 start-ups created
- 900+ PhD and Master Thesis
- 900 private and public organisations
 - large industry players
 - small & medium-sized enterprises
 - academic/research institutions
- SME participation up to 40%
 - Increased throughout the years to reach more than 40% in budget
- Large “flagship projects”
 - Opportunity for countries and industry to work together on strategic priorities creating a major impact on European economy





Celtic-Plus impact on competitiveness rewarded by 3 EUREKA Innovation Awards



HIPERMED

High-Performance Telemedicine Platform
Cost-effective healthcare even in remote areas

SME-led project

Digital Society



HFCC/G.fast

Hybrid Fiber-Copper connectivity using G.fast
Brings broadband to the home with existing copper cables
More than 1 million customers by end of March 2018
10 million premises connected by end of 2020



Customer Satisfaction



NOTTS

Next generation OTT multimedia Services
Guarantees the video content delivery from the customer's perspective



CELTIC-NEXT : major objectives

- Continue on the good work and successful projects with great impact
- Continue with industry-driven bottom-up approach
- Continue to be positioned, along with the other Clusters and EUREKA, as a key instrument for European competitiveness
- Make the scope of Celtic evolve to cope with the changing landscape
 - Serving more vertical sectors with 5G and beyond
 - Meeting the needs of the citizens e.g. mobility and privacy/security
- Expand the Celtic community e.g. to involve players from the vertical industry
- Strengthen interaction with public authorities and national/regional initiatives
- Strengthen the support to SMEs to reach the global market, including start-ups and spin-offs created as a result of the projects





Industry Vision Statement: the CELTIC-NEXT White Paper

- CELTIC-NEXT provisional web page: <https://www.celticplus.eu/celtic-next/>
- CELTIC-NEXT White Paper: <https://bscw.celticplus.eu/pub/bscw.cgi/d26025/CELTIC-NEXT-WhitePaper.pdf>
- *CELTIC-NEXT White Paper flyer distributed at the EUREKA HLG/NPC2 meeting in Oulu*

CELTIC & CELTIC-PLUS
15 years of success

150+ R&D projects

1 B€ invested in R&D

40% SME participation

900+ PhD and Master Thesis

900+ products commercialised





Updated Technology Roadmap: the CELTIC-NEXT Scope & Research Areas

- CELTIC-NEXT Scope & Research Areas:

<https://www.celticplus.eu/celtic-next-scope-and-research/>



CELTIC-NEXT Scope and Research Areas



TAXONOMY OF CELTIC-NEXT RESEARCH TOPICS

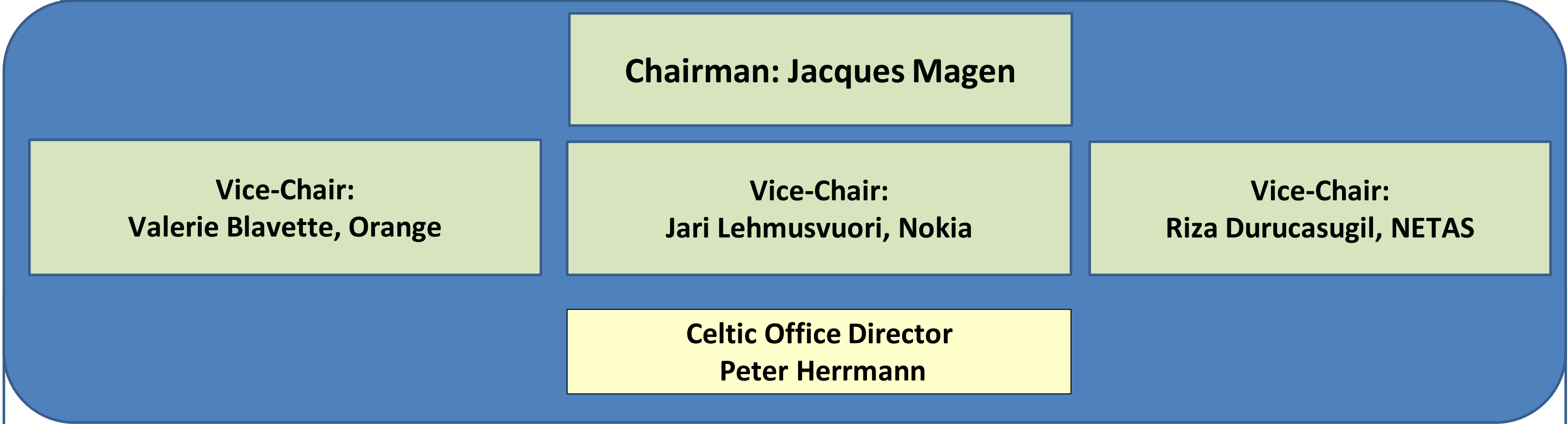
A	NETWORKING
A1	Networks Elements and Infrastructures
A2	Mobile / Wireless
A3	Broadband, fixed networks
A4	Optics
A5	Satellite
A6	Broadcast
A7	Energy efficiency (of networks)
A8	Network architectures and connectivity
A9	Network infrastructure and platforms
A10	Network Management and operation
A11	Autonomic / Open Networks / Ad-hoc Networks
A12	Network evolution
A13	Network Security / Privacy
A14	Network Safety / Robustness
A15	Other network infrastructure aspects
B	SERVICES AND APPLICATIONS
B1	Voice Services
B2	Data Services
B3	Multimedia and content Services
B4	Audio/ Video Services (incl. image processing)
B5	Mobile Services
B6	Cloud Services
B7	Security, Privacy related services
B8	IoT related services
B9	Teleworking
B10	Smart City related services and applications
B11	Smart home related services and applications
B12	Smart enterprise / transport related services and applications
B13	Smart traffic / car related services and applications
B14	eHealth related services and applications
B15	eGovernment related services and applications
B16	eLearning / digital school related services and applications
B17	Entertainment services and applications
B18	Gaming services and applications
B19	Location related services (incl. navigation)
B20	Business related services and applications (incl. ePayment)
B21	Societal Improvement
B22	Disaster recovery, safety
B23	Future end-to-end services
B24	Quality related aspects
C	FUTURE SERVICE ENABLERS
C1	Future Service Platforms
C2	Future interfaces
C3	Multimedia enablers
C4	Security/ safety, trust and identity



Organisation

Industry
Celtic Core Group (CG)

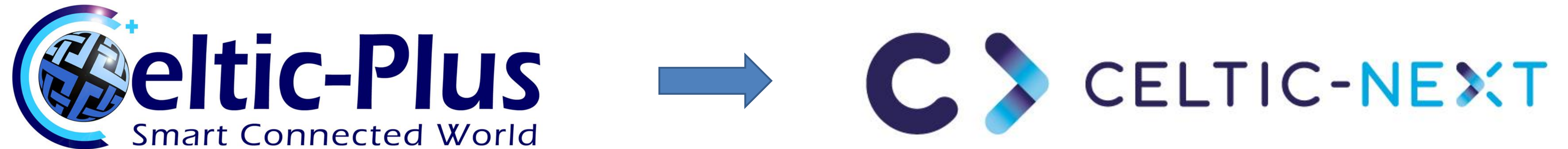
National Authorities
Celtic Authorities Committee (Celtac)



CELTIC OFFICE



Start of CELTIC-NEXT



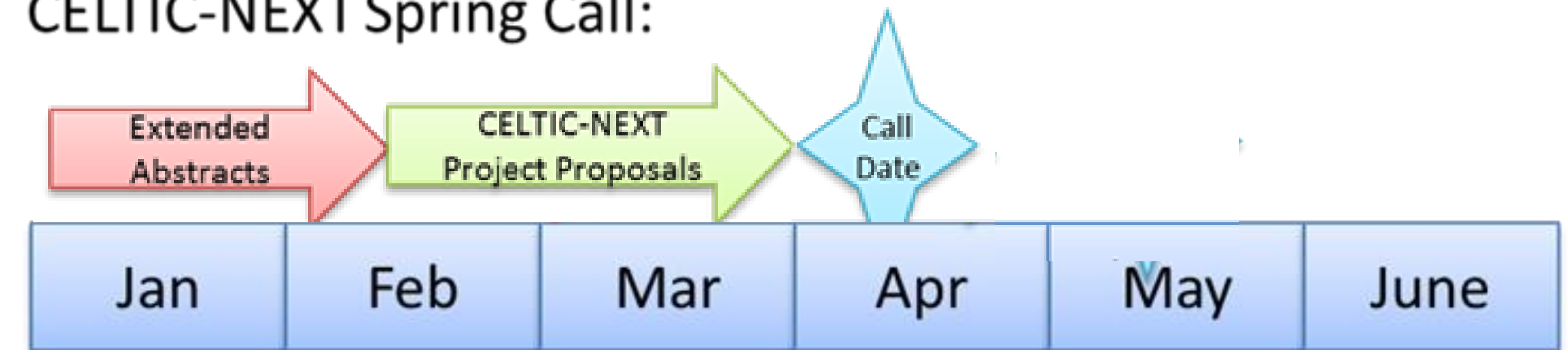
- Celtic-Plus ends on 31/12/2018
- CELTIC-NEXT starts on 01/01/2019 for another 8 years
- Most project ideas that we discuss today will be submitted as a CELTIC-NEXT proposal in April 2019
- New:
 - New Scope and Research Areas
 - Serving more vertical sectors with 5G and beyond
 - Meeting the needs of the citizens e.g. mobility and privacy/security
 - In 2019 we will offer the extended Abstract evaluation prior to the Call Deadline

Improved Call Process

Goal: Reduce the hurdle to first feedback

- For some Celtic participants the elaboration of a full proposal without prior feedback on the validity of their idea might be considered as too risky.
- Extended Abstract-phase is optional.
- Formalise a GoE feedback loop based on received extended abstracts about 2 months before the call deadline.
- Give PAs the possibility for early feedback.

CELTIC-NEXT Spring Call:



CELTIC-NEXT Autumn Call:



4 Steps towards the Celtic Label



1. Proposal submission
2. Evaluation
3. Label decision
4. Evaluation Results to the Submitters

In Parallel: Contact your national authorities:
<https://www.celticplus.eu/public-authorities/>
Germany: BMBF, BMWi, ZIM, KMU-innovativ

Step 1: Submission of your Proposal



Celtic-Plus
Smart Connected World

Welcome to Celtic-Plus Project Tool

This tool offers the following functions:

- Proposal Submission
- Proposal Review
- Project change Requests

For using the tool please [login](#)

First time users have to [register](#)

Submit Proposal

Info: All project data will be handled strictly confidentially (except f
Note: * = required fields

Project identification

Please enter a short acronym and the full project title

Open Call *

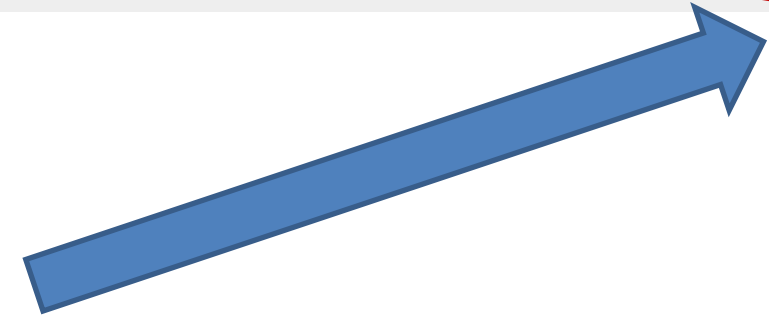
Acronym *

Project Title *

Uploads

Please upload your CPP file (PDF or DOC) and any a

Upload proposal files



CPP (Celtic Project Proposal) template available on Celtic-Plus Web

Step 2: Evaluation of your Proposal



Evaluation by the Group of Experts^{*)} (GoE)

List of Evaluation Criteria:

1. Excellence and technological innovation
2. Strategic relevance and impact
3. Potentials for exploitation of the results and for future business
4. Quality and efficiency of the implementation of the project proposal
5. Quality of the proposed consortium

S = Suitable for Labelling

M = Modifications required

N = Not suitable for Labelling

Example of a typical outcome of GoE Evaluations

Group of Experts evaluation					
Acronym	Rating	Recommendation			
		R1	R2	R3	S
Proposal 1	2.00	N	M	N	N
Proposal 2	3.00	M	M	M	M
Proposal 3	4.00	S	M	S	S
Proposal 4	4.50	S	S	S	S

^{*)} Most Experts are from the Celtic Core Group Companies

Step 2 Evaluation

2. Evaluation by Public Authorities

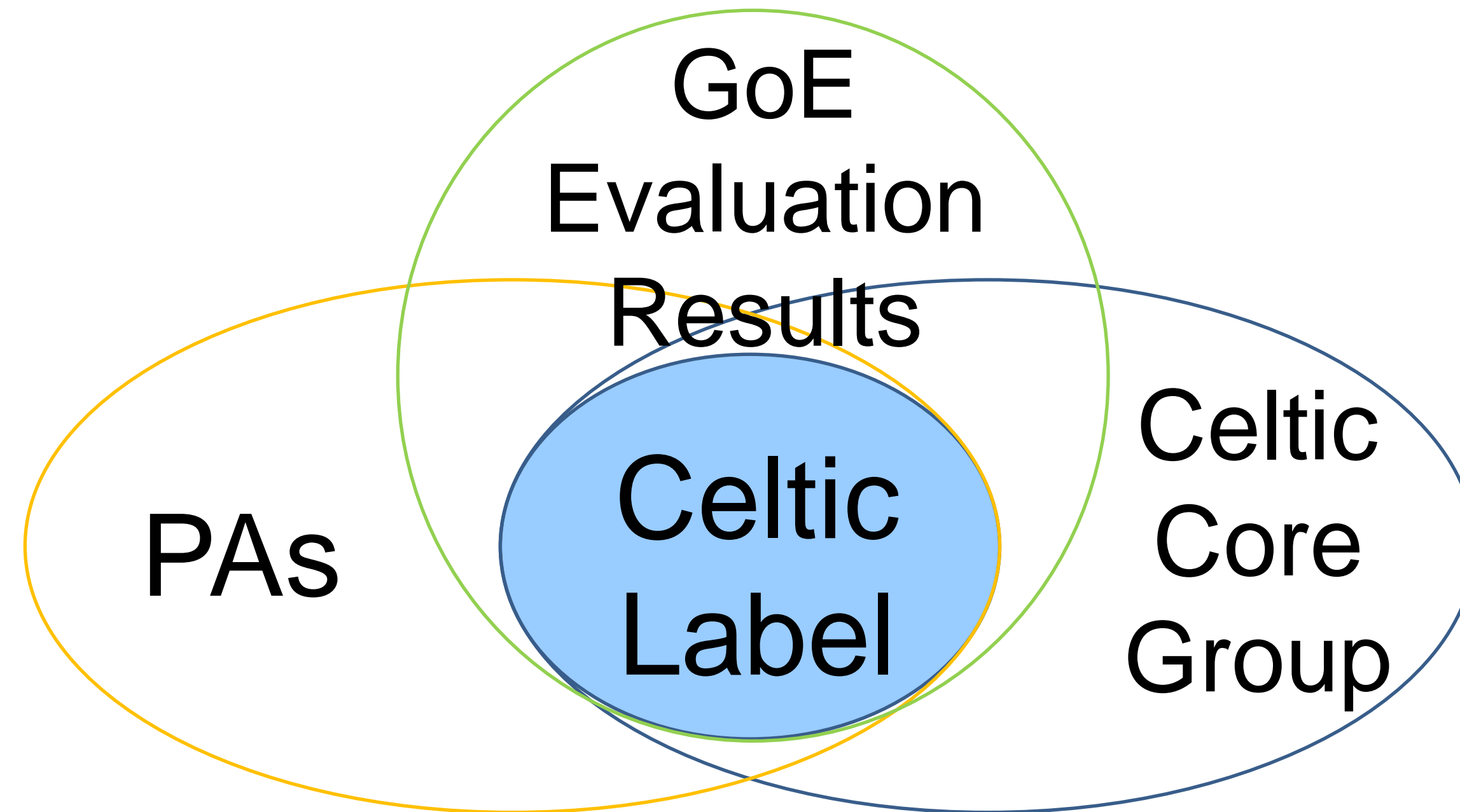
Example of a typical outcome of PA Evaluations:

Colour Codes Legend:

Ok, good for funding	Average chance for funding	Low chance for funding	Little or no chance for funding	No decision yet
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Acronym	Country	Budget share in %	Comment	Status for funding	Funding Applicatio
Project 1	Finland	15.57	Good project funding likely	ok	Yes
Project 1	France	42.00	High FR buget share	no decision	Provisional
Project 1	Turkey	26.18	Project targets too many things without any special focus.	low	No
Project 2	Belgium	4.00	Partner will be self funded	ok	Yes
Project 2	Germany	8.57	Project is innovative but too ambitious.	average	No
Project 2	Netherland	23.00	Innovation with respect to the SoA not visible	low	Provisional
Project 2	Spain	7.48	Possibilities of funding by MInistry of Industry	average	Provisional
Project 2	Sweden	23.23	Good project funding likely	ok	Yes
Project 2	Denmark	11.61	No funding for Cluster project	no funding	No

Step 3: Label Decision



- The decision on the label of proposals is taken in a common meeting of the Public Authorities and the Celtic Core Group.
- In addition to technical quality and business relevance national priorities can also be a criterion.

Project Set Up Process

The Set Up process starts with labelling of the Celtic Project

- In EUREKA projects the funding is granted by ministries of the participating countries.
- Projects usually start when mandatory partners have green light for funding.
- The Celtic Office organises monthly phone contacts to help projects to conclude this critical phase.
- In the last years a success rate for running projects 60 % has been achieved.



Join a Labelled Project



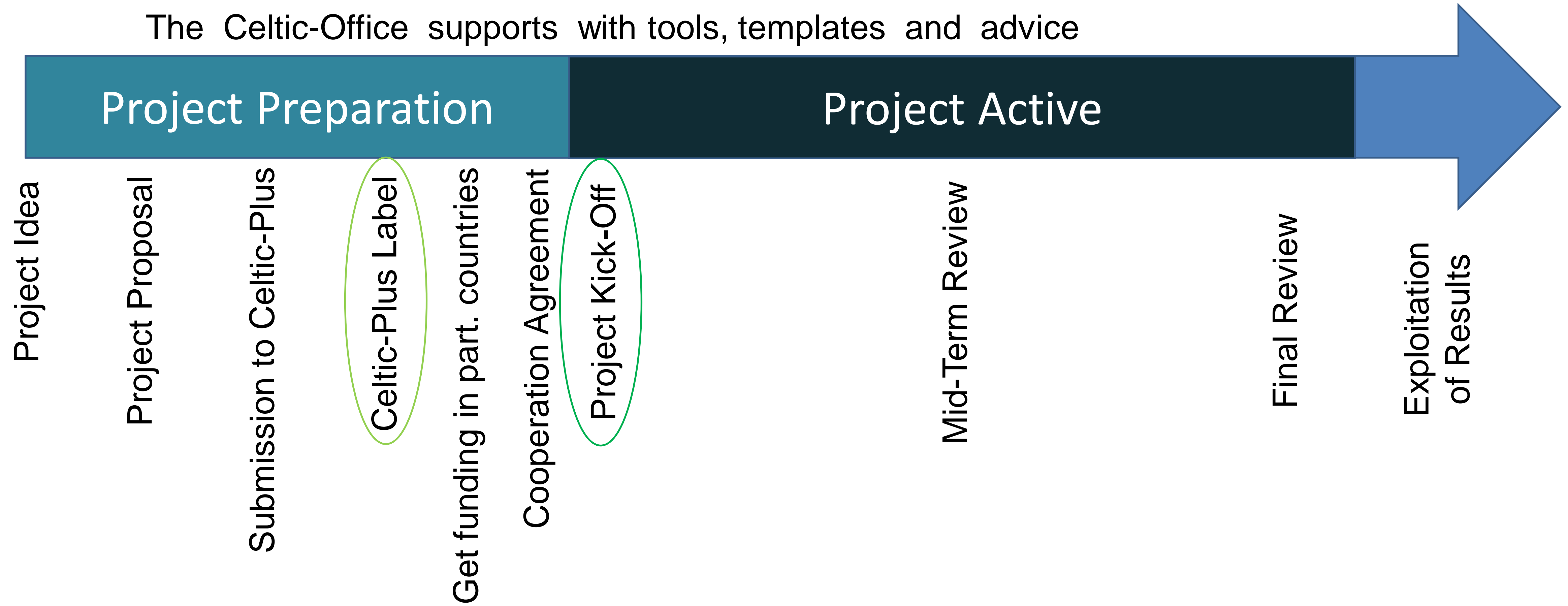
Check Projects Overviews at Celtic-Plus website, with status classification of “set-up” or “running”:

<https://www.celticplus.eu/running-projects/>

- In case of interest directly contact the Coordinator**
- For information on funding contact the Public Authorities**
- For information on the Programme contact the Celtic-Plus Office**

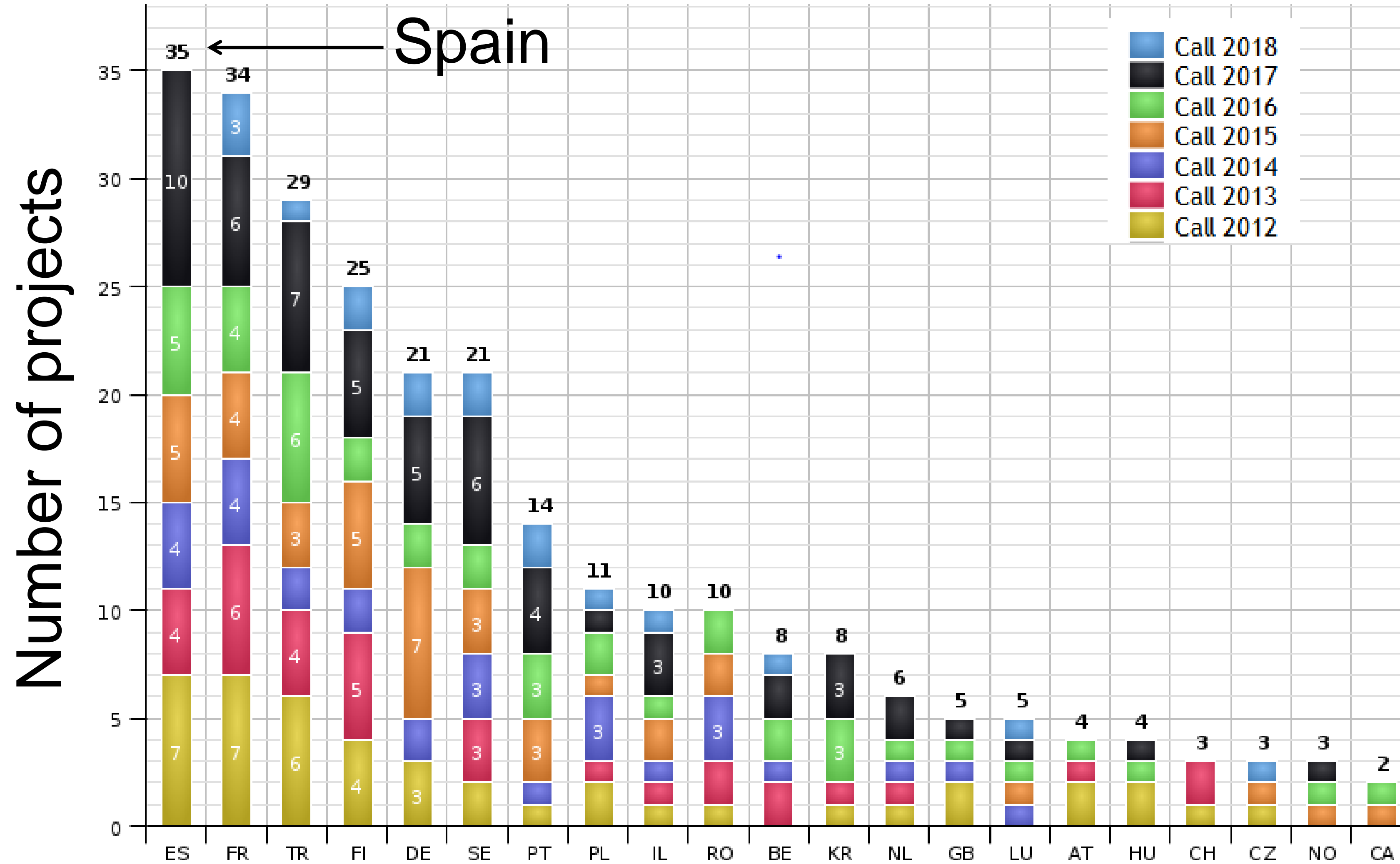
Project Live Cycle

The Celtic-Office supports with tools, templates and advice





Strong Participation of Spain in CELTIC



Next Celtic-Plus Call

Submit your project proposal:

- **Call open until 15th October 2018**

Preparing and submitting a Celtic-Plus project proposal is easy:

- register on the Celtic-Plus Online proposal tool
- fill in the web forms
- upload your proposal

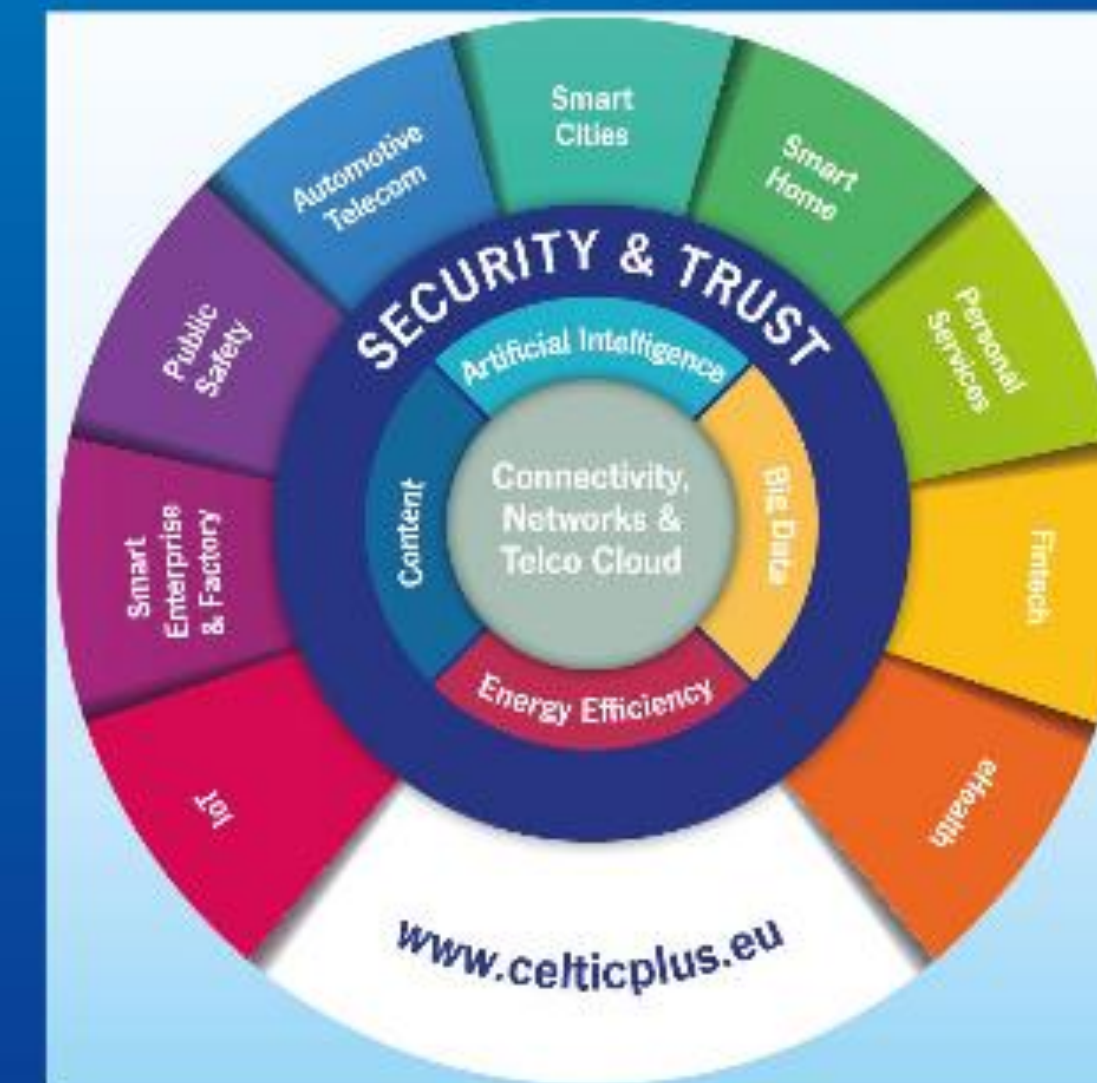
A template for the proposal can be downloaded from our Call information page (“proposal forms and documents”) Information via www.celticplus.eu



Join the Industry-Driven Research Programme for a Smart Connected World!

Celtic-Plus Call for Project Proposals

Deadline: 15 October 2018



Celtic-Plus is the EUREKA Cluster for Collaborative Research in ICT
www.celticplus.eu

Celtic-Plus Newsletter

Please have a look at our Newsletter

<https://www.celticplus.eu/newsletter/>

and register for free subscription



Celtic-Plus
Newsletter 1/2018

Vice-chair's Corner: CELTIC-NEXT – The next big thing after Celtic-Plus

Events: Celtic-Plus Event in Helsinki

Project Highlights: G.fast standards developed by 3 Celtic-Plus projects

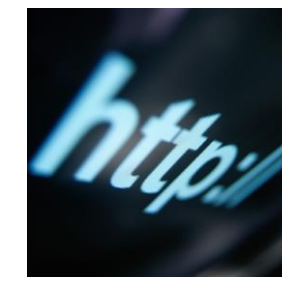
Start-up Success Stories: SASER project spinoff aXenic



Contact:



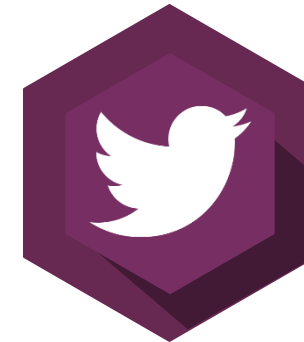
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<https://twitter.com/CelticPlus>



<https://www.youtube.com/user/CelticplusVideos>



<https://www.linkedin.com/groups/3875389>