

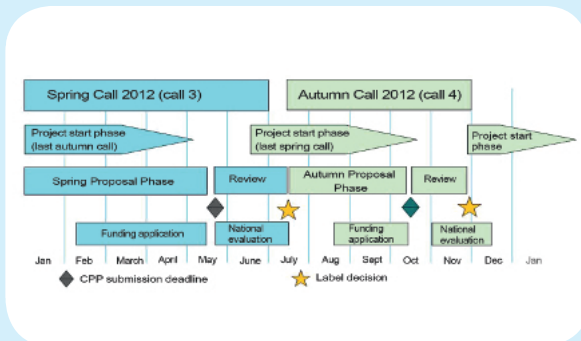
Joining Celtic-Plus

Celtic-Plus is open to any type of company covering the Celtic-Plus research areas, large industry as well as small companies or universities and research organisations. Even companies outside the EUREKA countries may get some possibilities to join a Celtic-Plus project under certain conditions.

For each call Celtic-Plus will offer the opportunity to discuss potential proposals among interested experts either during a commonly organised Proposers Day or via a special discussion platform for new proposals.

Celtic-Plus will issue two calls for proposals per year. This new fast call process will now consist of only one single, full proposal phase. In addition, also to speed up the funding process, each project participants must submit a national funding application in parallel to the proposal submission. Without such national applications no label will be assigned. As compensation to the missing proposal outline phase there will be the opportunity to submit a short proposal abstract for a first check by Celtic Office. Not labelled proposals may also have a second chance by submitting refined proposals at the second call deadline about six months later.

Celtic-Plus Call Process



The new 6-month process of a Celtic-Plus call requires a very early involvement of the national funding authorities. It is therefore required that in parallel to the proposal submission also a national funding application of all partners has to be submitted.

Facts & Figures

Ambitions of Celtic-Plus (until end 2019)	Total
Number of performed projects	120
Total expected budget (M €)	800
Total expected effort (PY)	7,000
Number of companies	550
Number of countries	27

Achievements of Celtic	Total
New products or improved products	326
Prototypes / field trials	234
Number of standards contributions	500
Number of publications / conferences	1200
Number of PhD / Master thesis	310
Estimated RoI around 50x	> 15 B €
Total budget volume (all Celtic projects)	800M

Contacting Celtic-Plus

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Planned Calls for Proposals in 2012

Spring-call:
 Submission deadline: **21 May 2012**
 Labelling: early July 2012

Autumn call:
 Submission deadline **15 October 2012**
 Labelling: end November 2012

Please check Website (www.celticplus.eu) for confirmed dates

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**For private-public funded research
 towards a Smart Connected World**

Celtic-Plus is an ICT EUREKA Cluster
 for ICT/telecommunications research

www.celticplus.eu

About Celtic-Plus

Celtic-Plus is an industry-driven European research initiative to define, perform and finance through public and private funding common research projects in the area of telecommunications, new media, future Internet, and applications & services focusing on a new “Smart Connected World” paradigm. Celtic-Plus is a EUREKA ICT cluster and belongs to the inter-governmental EUREKA network.

The telecommunications area, over the past years, has experienced significant changes. The Internet has become the global hub for information and communication where different actors, including citizens, share their contents and connect with each other. They are connected to social networks and virtual worlds, sharing knowledge within their communities.

They want all those features to be accessible anywhere, anytime and on any device. But it has also become more and more obvious that the traffic volumes and services quality will be difficult to assure with the current Internet platforms and new strategies for a better Internet need to be found and implemented rather soon.

Companies involved in Celtic-Plus

In Celtic the European leading telecommunications manufacturers, Telco's and research institutes are directly involved. The founding companies are working together in the Celtic Core Group agreeing on common future research strategies and commonly defining new projects.

Besides the Celtic founding companies over 500 other companies, small and medium-sized companies as well as universities, research institutes and large industries, have been involved in Celtic projects. The industry-driven top-down nature of its projects allows for projects that are close to the market needs and are expected for rapid business exploitations.

The envisaged total budget of Celtic-Plus projects performed until 2019 is expected within the range of 800 million euro.

Celtic Core Group companies



Celtic-Plus Research Areas (Purple Book)

The traditional boundaries between networks, service platforms and applications have become increasingly blurring. This is why better suited views on the whole communications system are needed. In Celtic-Plus, the main research areas will be “Get connected” and “While connected”.

Get connected

“Get connected” addresses everything needed to establish, run and secure the communication, basically, the infrastructure and connectivity aspects. Key topics of Celtic-Plus projects will be related to network elements and infrastructures. This includes wireless, optics and energy efficiency, as well as network architecture and connectivity, like networking and automatic networks.

While connected

“While connected” tackles all aspects while a communication is running, including, all requirements for new end-to-end services and applications. Celtic-Plus projects will deal with future end-to-end services, like digital home, digital enterprise, digital city, digital school, digital transport, and e-health, as well as horizontal services, like security, public safety and identity. The latter is particularly relevant for protecting the privacy rights of European users.

Celtic-Plus and the Future Internet

Celtic-Plus projects will also focus on the architecture and challenges of the Future Internet. One major challenge is to further develop the network infrastructure, which makes

mobile Internet with high Quality of Service happen in conjunction with a much higher flexibility, capacity and mobility, so that future applications do not suffer from the current limitations of the Internet. One important aim is the establishment of a “Celtic-Plus Use-case Factory”. The “factory” shall be complementary to the Future Internet PPP Calls under the EU's Framework Programme (FP7). As there will be more excellent Future Internet use case projects to be expected than can be funded under FP7 Celtic-Plus offers another opportunity to realise some additional of these. Another focus may also be on capacity building, test cases/platforms or alternative foundation platform.

Celtic-Plus and Green Internet.

Celtic-Plus intends to be a driving force in Europe and beyond for future “greener” telecommunications. Three major challenges are addressed:

- make environmental issues
- encourage better energy efficiency
- develop multidisciplinary solutions.

Telecoms and ICT should be used to manage and control the best use of energy in other business e.g. health, transport, energy, e-government, urbanization, cleantech, etc.

To respond to societal challenges, solutions are required at multidisciplinary level. Celtic-Plus intends to liaise with related initiatives in order to address global solutions. Other EUREKA clusters in energy, water technologies, manufacturing industry, but also the other ICT clusters, are the first candidates.

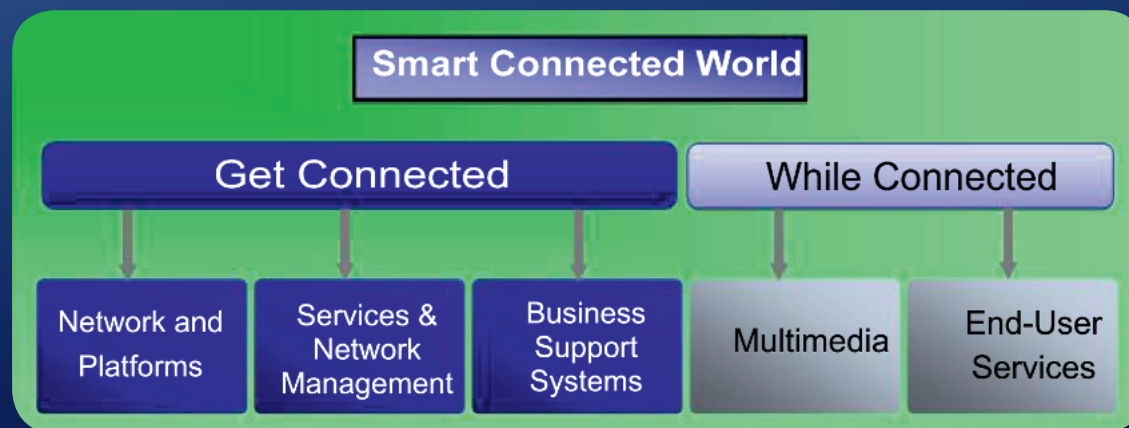


Figure New Celtic-Plus Research Approach