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

Celtic-Plus Call for Project Proposals

Deadline: 25 May 2016

Celtic-Plus is the EUREKA Cluster
for Collaborative Research in ICT

www.celticplus.eu

EUREKA

About Celtic-Plus

Celtic-Plus is the industry-driven European research programme for implementing the vision of a Smart Connected World. It covers a broad range of areas in ICT, including communication infrastructures, services, applications and multimedia.

The programme started in 2003 and is operated as an ICT Cluster under the umbrella of EUREKA, the intergovernmental network for market-driven industrial R&D. Participation through the regular project calls is open to any organization ready to contribute to the Smart Connected World vision. The collaborative Celtic-Plus research projects are financed through public and private funding.

Companies involved in Celtic-Plus include leading European telecommunications manufacturers, network operators and research institutes, as well as small and medium enterprises. Over 500 private and public organisations have already been involved in Celtic and Celtic-Plus projects.

The programme has a total budget of about 900 million euro for all Celtic-Plus projects. In about 10 years' time, Celtic and Celtic-Plus projects have generated about 600 standards contributions, over 600 prototypes and field trials, and about 400 patents.

The three main benefits of submitting a Celtic-Plus project proposal

Participation in Celtic-Plus calls offers proposers several unique benefits on top of the public funding. The three most important benefits are:

- You are free to define the content of your project proposal according to your own research interests and priorities. You are not bound by a specific call text.

- Celtic-Plus projects are close to the market and have a track record of exploiting results fast after the end of the project. So far the projects have led to more than 600 new or improved products and services.

- High-quality proposals have an excellent chance of receiving funding, with an average success rate of 70 %.

Scope of the call – Celtic-Plus research areas

Celtic-Plus gives proposers almost limitless freedom in regard to what research topic they can explore in their ICT research project. The philosophy of the programme is to facilitate projects in a bottom-up way, thus offering projects the chance of both evolutionary as well as disruptive innovation in all relevant ICT areas, without limiting their creativity and ambition.

The topics listed on the next page are not prescriptive and are only meant to give you some idea of the scope of Celtic-Plus projects.

Networking and Cloud

"Networking and Cloud" address everything needed to establish, run, support and secure a communication link, including the infrastructure and connectivity aspects. Key topics of current and future Celtic-Plus projects are related to network capacity, cloud computing, optics, satellite, mobility, security, scalability, robustness, and energy efficiency.

Current topics in this area include:

- 5G, the next generation of mobile and wireless networks bringing broadband to everybody
- Cloud Computing enabling ubiquitous access for storing and processing data
- Internet of Things with its sensor networks including billions of sensors and activators
- Energy efficiency to reduce the enormous amount of energy current ICT requires
- Satellite and its convergence with terrestrial networks
- Network deployment, operation and management for economically sustainable networks
- Security, privacy, identity and public safety, including critical communications infrastructure

Services and Applications

"Services and Applications" tackle all aspects once a communication link is established, including requirements for end-to-end services and applications. Key topics of current and future Celtic-Plus projects are Smart Cities, Smart Homes, digital enterprises, e-health, big data, 5G related services, terminals, as well as horizontal end-to-end services, like security, privacy, identity and public safety.

Current topics in this area include:

- Smart Cities and smart homes, which may require a cross-sector approach, supported by the EUREKA Smart City Inter-Cluster MoU
- Digital enterprises to ensure that European enterprises stay competitive within the global markets
- E-health solutions in response to the challenges of the aging European population
- Big data, including the related research challenges for, e.g., data capture, storage, analysis, transfer, and privacy
- The wide variety of terminals, from simple telephones over Smartphones to complex multimedia units

Celtic-Plus

Telecommunications

Future Internet

New media

Applications & services

Important dates for the call

Submission deadline: 25 May 2016
Acceptance of proposals: June/July 2016

Call information and access to online submission:
http://www.celticplus.eu

Celtic-Plus Core Group Members

Alcatel-Lucent, France
Atos Research, Spain
BT, United Kingdom
Deutsche Telekom, Germany
Ericsson, Sweden
Eurescom, Germany
Gemalto, France
Indra, Spain
Italtel, Italy
Nokia, Finland

Orange, France
RAD Data Communications, Israel
Siemens, Austria
Technicolor, France
Telefónica I+D, Spain
Telenor, Norway
Thales, France
Turkcell Technoloji, Turkey
Türk Telekom, Turkey

Contact

Chair: Jacques Magen, France
Vice-chairs: Valérie Blavette, Orange, France, and Jukka Salo, Nokia, Finland

Celtic Office Director Strategy: Peter Stollenmayer (Tel: +49 6221 989-153)
Celtic Office Director Operations: Peter Hermann (Tel: +49 6221 989-381)
c/o Eurescom GmbH, Wieblinger Weg 19/4, 69123 Heidelberg/Germany
E-mail: office@celticplus.eu
www.celticplus.eu