

Austria (FWF)

Dr. Stefan Mühlbachler
+43 1 505 6740 8408 • stefan.muehlbachler@fwf.ac.at

Belgium (FNRS)

Arnaud Goolaerts
+32 2 504 9309 • arnaud.goolaerts@frs-fnrs.be

France (ANR)

Mathieu Girerd
+33 1 7354 8213 • mathieu.girerd@agencerecherche.fr

Ireland (IRC)

Liz McFeely
+353 1231 5000 • lmcfeely@research.ie

Latvia (LZA)

Maija Bundule
+371 6722 7790 • maija.bundule@lza.lv

Luxembourg (FNR)

Dr. Andreea Monnat (Mrs.)
+352 2619 2553 • andreea.monnat@fnr.lu

Poland (NCBR)

Wojciech Piotrowicz
+48 785 661 476 • wojciech.piotrowicz@ncbr.gov.pl

Romania (UEFISCDI)

Monica Cruceru
+40 2 1307 1961 • monica.crueru@uefiscdi.ro

Switzerland (SNSF)

Gilles Dubochet
+41 3 1308 2168 • gdubochet@snf.ch

Turkey (TUBITAK)

Ezgi Bener
+90 312 468 5300 / 2580 • ncpiet@tubitak.gov.tr

United Kingdom (EPSRC)

Richard Gunn
+44 (0) 1793 444304 • richard.gunn@epsrc.ac.uk

Call Information

Mathieu Girerd (ANR)
+33 1 7354 8213
mathieu.girerd@agencerecherche.fr • www.chistera.eu

CHIST-ERA is a consortium of national funding organisations with programmes supporting Information Communication Sciences & Technologies (ICST). CHIST-ERA promotes transnational and multidisciplinary ICST research by funding research projects on selected topics with a potential to lead to significant breakthroughs.

CHIST-ERA also reinforces the European Research Area in ICST by deepening the cooperation among Member States as well as between them and the European Union. CHIST-ERA coordination activities are supported by the European Union's Future and Emerging Technologies scheme (FET) as an ERA-NET project.

PARTNERS



FUNDING OPPORTUNITIES from the
FUTURE & EMERGING TECHNOLOGIES scheme



chist-era

Disclaimer: the information in this leaflet is provided as is and no guarantee or warranty is given that the information is fit for any particular purpose. The user therefore uses the information at its sole risk and liability.



chist-era

European Coordinated Research on Long-term Challenges
in Information and Communication Sciences and Technologies ERA-NET

Call 2012

on

Intelligent User Interfaces

and

Context- and Content-Adaptative
Communication Networks

Call Deadline: 22nd January 2013



Call 2012 Topics

CHIST-ERA is looking for highly innovative and multidisciplinary projects in ICST. The transformative research done in CHIST-ERA should explore new ideas with potential for significant scientific and technical impacts in the long term.

Each year, CHIST-ERA launches a call for research proposals in two new topics of emergent scientific importance (Quantum Communication and Autonomic Systems in 2010, Knowledge Extraction and Low-power Computing in 2011).

Intelligent User Interfaces IUI

Participating countries: At, Be, Fr, Ie, Lv, Lu, Pl, Ro, CH, Tr

Projects are expected to deliver one or more of the following (see Call Announcement for the full text):

- Methods and models for interacting with the user using multiple modes of interaction, seamlessly combining them and switching from one another, so that the multi-modal interaction makes sense to the user as a whole and makes the interfaces more natural and more effective
- Richer user models that include behaviour models, mental models, capacity expertise, etc.
- Methods and models to build an affective, social, behavioural representation of the user from multiple forms of interaction, over short to very long periods of time
- Multiple-interaction systems tailored to non-conventional needs, assistive technologies and accessibility (children/learners, the elderly, disabled people, including those with very limited communication means)
- Multi-modal interfaces for collaborative and/or remote tasks
- Representative data sets, metrics and protocols to study any of the above

Context- and Content-Adaptive Communication Networks C3N

Participating countries: At, Fr, Lv, Lu, Pl, Ro, CH, Tr, UK

Projects are expected to deliver one or more of the following (see Call Announcement for the full text):

- Content and service-adaptive/centric: novel network architectures/algorithms where transmission, routing or networking is content- or service-based rather than location-based. Networks support applications by providing high-level platforms (network pushes data, queries evaluated in network). A scalable solution that fully supports user mobility, and existence of services and content in multiple, possibly time varying locations. Content should be reachable and authentic, and privacy should be preserved
- Network aware: in network tools, algorithms and methods for sensing network properties (energy, bandwidth, connected devices, topology, etc.) including by using sensors of smart devices in the network and an associated adaptive network control-framework
- Context-aware: in network algorithms and methods to evaluate usage pattern, including human and social behaviours while maintaining privacy. Network architecture to adapt to it
- Self configuration of applications: methods and algorithms to aggregate knowledge inside a network and over time (learning), and provide applications with user-related data such as services, information, content or context adapted to the network's high level situation
- New approaches to network layering that better support any of the above. Network layer architectures where more information flows between layers. Vertically-integrated network architectures. Design of application platforms supporting such networks

Selection Procedure

The coordinator prepares a joint proposal for the consortium, using the template available on the CHIST-ERA website (www.chistera.eu). The form is submitted using the electronic submission system on the website.

Consortium Eligibility

The following criteria must be met:

- The consortium is international: it must have a minimum of three partners and partners must be located in at least three distinct countries
- The consortium is balanced: at most 60% of the total funding may be requested by partners from one country
- The consortium is focused: research must have a clearly defined goal. It is recommended that consortia contain no more than six partners.

Research groups from countries whose national funding organisations do not participate in the concerned topic may be part of a consortium if they are able to secure their own funding. Third-party funding is not considered for the criteria above. The consortium coordinator must be supported by a national funding organisation participating in the topic.

Funding Decision

The proposals will be evaluated by an international panel according to the following criteria: *Scientific & Technical Quality, Implementation, and Impact*.

On the basis of the ranking and of available funding, the national funding organisations will propose a list of projects to be funded. The final decision remains with the national funding organisations.