



chist-era call 2011



Announcement of the 2nd International Call for Research Projects within the ERA-Net CHIST-ERA

Deadline for proposal Submission: 17th of January 2012 (17:00 GMT)

CHIST-ERA Stands for *European Coordinated Research on Long-term Challenges in Information and Communication Sciences and Technologies ERA-Net*

The CHIST-ERA initiative is looking for highly innovative and multidisciplinary collaborative projects in ICST. Especially CHIST-ERA is open to new ideas and original solutions, involving interdisciplinary skills. In addition, the transformative research done in CHIST-ERA shall explore new topics with potential for significant scientific and technical impacts. The projects must involve at least three partners from three different and participating countries. In the Call 2011, two new and hot topics are addressed:



From Data to New Knowledge

The challenge is to produce new computational concepts, models, tools and methodologies to automatically and reliably extract new knowledge from large amounts of heterogeneous, unstructured data. Typical data include multilingual and multimedia data such as found on the web (text, speech, image, video, ...) and data generated by human organisations in the course of scientific, industrial or service activities (medical data, 3D object representations, advanced manufacturing data, ...). Though much activities are already going on in the field, existing systems are far from offering a highly reliable extraction of knowledge from any type of data, and basic research is still needed to explore new concepts and models for challenging tasks such as machine reading, processing of noisy data, multiscale model handling...

Green ICT, towards Zero Power ICT

The decrease of energy consumption for computation or communication is an important challenge for future. In addition this renders possible the design of autonomous systems scavenging their own energy from their environment. A broad range of solutions are currently envisaged from component to system of systems levels, where research is needed in various areas. Project proposals should address the issue of energy consumption in computation, information, sensing or communication systems from a global system perspective. Highly innovative approaches are expected at any of the system layers, from the nano-scale level to the architectural, software or protocol layers...



Call Information: www.chist-era.eu

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