

Seventh Framework Programme (FP7) Information and Communication Technologies (ICT) thematic area

Call 6 Outline of Topics

[Probable dates: 24 November 2009 – 13 April 2010]

Cognitive Systems, Interaction, Robotics

2.1 Cognitive Systems and Robotics (Budget €80M)

- a) New approaches towards understanding and solving key issues related to the engineering of artificial cognitive systems (STREP)
- c) New ways of designing and implementing complete robotic systems (IP)
- e) A framework to facilitate cross-fertilisation between academic and industrial research efforts in robotics (IP)
- h) Co-ordinated co-operation and communication within a multidisciplinary artificial cognitive systems research community in Europe, with concomitant outreach to potential industrial applications. (CA)

Digital Libraries and Content

4.1 Digital libraries and digital preservation (Budget €69M)

- a) Scalable systems and services for preserving digital content (IP)
- b) Advanced preservation scenarios (IP, STREP)
- c) Innovative solutions for assembling multimedia digital libraries (IP)
- d) Adaptive cultural experiences (STREP)
- e) Interdisciplinary research networks (NoE)
- f) Promoting the uptake of EC-funded research (CSA)

Towards sustainable and personalised healthcare

5.3 Virtual Physiological Human (Budget €63M)

- a) Patient specific computer based models and simulation (IP, STREP)
- b) ICT tools, services and specialised infrastructure for the bio-medical researchers (IP, STREP)
- c) Support action on evaluation and assessment of VPH projects (CSA)
- d) CSA to develop an observatory on the achievements and evolution of the broader Biomedical Informatics field (CSA)

ICT for Mobility, Environmental Sustainability & Energy Efficiency

6.2 ICT for Mobility of the Future (Budget €37M)

- a) Field Operational Tests for Integrated Safety Systems and Co-operative Systems (IP, STREP, CSA)
- b) ICT-based systems and services for Smart Urban Mobility and new Mobility Concepts (STREP)
- c) Coordination and support actions in the framework of the Intelligent Car initiative
- d) International cooperation (CSA)

Future & Emerging Technologies

8.0 FET-Open (Continuous open 2 stage call - €61M – STREP, CSA)

* Check WP regarding IP and STREP requirements for this part of objective

8.7 Molecular-Scale Devices and Systems (Budget € 15M – IP, STREP)

IPs should address at least 2 of the following, STREPs at least one of the following

- a) Physical implementations
- b) Supporting technologies for molecular-scale information devices and systems
- c) Radically new characteristics and functionality

8.8 Brain-Inspired ICT (Budget € 15M – IP, STREP)

STREPs should address at least one and IPs address both of the following

- a) Development of multi-scale models of information processing and communication in the brain and/or PNS
- b) Synthetic Hardware Implementations of Neural Circuits

8.9 Coordinating Communities, Plans and Actions in FET Proactive Initiatives (Budget € 1.5M - CSA)

- a) Coordination and cooperation of the targeted research communities
- b) Networking of research activities conducted at national or regional level

8.10 Identifying new research topics, Assessing emerging global S&T trends in ICT for future FET Proactive initiatives (Budget € 0.5M - CSA)

- a) Short duration actions (typically 6-12 Months) to organise consultations of multi-disciplinary communities
- b) Actions that perform in-depth analyses of emerging global trends in multidisciplinary science and technology fields contributing to future ICT

Horizontal Support Actions

9.1 International Cooperation (Budget € 5M)

- b) Support to the uptake of European ICT research results in developing economies (STREP/SICA)

9.2 Supplements to support International Cooperation between ongoing projects (Budget € 0.4M)

Reinforced cooperation between ongoing FP7 ICT projects in the areas of Nanoelectronics Technology and ICT for Safety and Energy Efficiency in Mobility with 'partner-projects' funded by agencies in other industrialised countries

ICT Call 6: 24 November 2009 – 13 April 2010

Budget: €286 million

Further Information
See Workprogramme from
<http://tinyurl.com/4o3h5a>
Or Call: ICT Support on 0870 191 0112
Or Mail: ict@fp7uk.co.uk