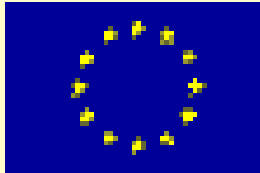


FP7 Work Programme 2009-10

ICT - INFORMATION AND COMMUNICATION TECHNOLOGIES



EUROPEAN COMMISSION

FP7 Work Programme 2009-10

Inputs from:

- Programme Committee,
- IST Advisory Group (ISTAG),
<http://cordis.europa.eu/ist>
- European Technology Platforms
<http://cordis.europa.eu/technology-platforms/>
- i2010 initiative- a European Information Society for Growth and Employment.
<http://ec.europa.eu/i2010/>
- other preparatory activities

Call planning

- Avoid very large (~1 B€) Calls and spread commitment profiles more evenly
- Spread Calls at ½ year intervals (tentative)
 - Call 4: Nov 2008 – Mar/Apr 2009
 - Call 5: June/July 2009 – Sep/Oct 2009
 - Call 6: Nov/Dec 2009 – Mar/Apr 2010



Europa > CORDIS > FP7 > Cooperation > Find a Call

Information and Communication Technologies: Find a call

Open Calls / Closed Calls

Calls for proposals

Call Identifier ▲ ▼	Call Title ▲ ▼	Publication Date ▲ ▼	Deadline ▲ ▼
FP7-ICT-2009-4	ICT Call 4	2008-11-19	2009-04-01
FP7-ICT-2009-C	FET Open scheme	2008-11-19	2011-05-24
FP7-ICT-ENERGY-2009-1	Joint call ICT & Energy 1	2008-11-19	2009-03-31

Calls for tenders

Call Identifier ▲ ▼	Call Title ▲ ▼	Publication Date ▲ ▼	Deadline ▲ ▼
2008/S 248-330011	Economic and social impact of software and software-based services	2008-12-20	2009-02-02



Identifier: [FP7-ICT-2009-4](#)

Publication Date: 19 November 2008

Budget: € 801 000 000

Deadline: 01 April 2009 at 17:00:00 (Brussels local time)

OJ Reference: [OJ C296 of 19 November 2008](#)

Specific Programme(s): Cooperation

Theme: Information and Communication Technologies

Restrictions to Participation: see eligibility criteria in the work programme

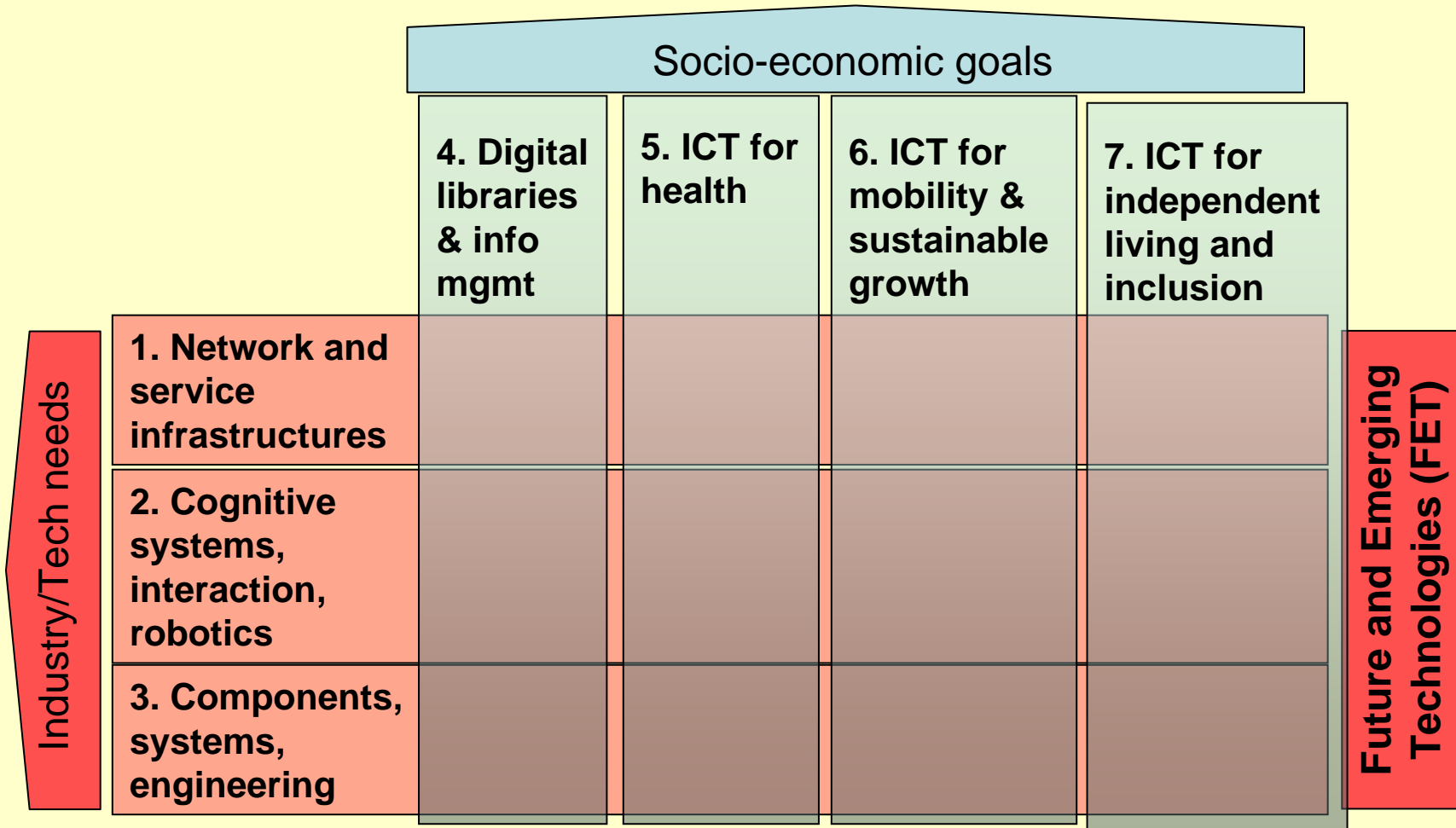


Additional Information:

[ICT web Home Page](#)

[FAQs on general questions for ICT proposal submission](#)

ICT Work Programme *Challenges*



Challenge 1: Pervasive and trusted network & service infrastructures

"Future Internet" as a federating research theme

- ✓ large call on the "Future Internet" ("Network of the future", "Internet of Services, software and virtualisation", "Internet of Things", "Security", "Networked media and 3D Internet")
- ✓ increase emphasis on:
 - "Internet of Things for enterprise environments"
 - "Experimental Facilities"

Challenge 2: Cognitive systems, interaction, robotics

- ✓ More emphasis on engineering of “cognitive systems and robotic systems”
- ✓ More visible objective on “language-based interaction”

Challenge 3: Components, systems, engineering

- ✓ Strong emphasis on "alternative paths to ICT components and systems"

- ✓ Limit budget reduction for
 - "Organic and large-area electronics"
 - "Photonics technologies and applications" & "organic photonics"
 - "Micro/nano-systems"
 - "Computing systems"

- ✓ Maintain critical mass for:
 - "Nanoelectronics and design"
 - "Embedded systems design"
 - "Engineering complex distributed systems"

Challenge 3:

Complementing the JTIs

- Two JTIs to pool public-private efforts and leverage more R&D investments
- ENIAC JTI (nanoelectronics): technology for 'More Moore' and 'More than Moore'
 - -> ICT WP: beyond CMOS and advanced "More than Moore"
- ARTEMIS JTI (Embedded Systems): platforms for design and
 - implementation of ES responding to specific industry/application requirements
 - -> ICT WP: new concepts for the design of next generation applications of ES

Challenge 4: Digital libraries, learning and intelligent information management

- ✓ Focus on:
 - “Digital libraries and preservation”
 - “Technology enhanced learning”
 - “Intelligent information management”
 - Content development tools deemphasised

Challenge 5: Towards sustainable and personalised healthcare

- ✓ Refinement within objectives
 - "Personal Health Systems"
 - "ICT for patient safety"
 - "Virtual Physiological Human"

Challenge 6: ICT for Mobility, environmental sustainability and energy efficiency

- ✓ Strengthen and clarify goals for:
 - “ICT for energy efficiency”
 - “ICT for environmental simulation & monitoring”

- ✓ Maintain effort on ICT for transport
 - Slight budget reduction for
 - “Intelligent vehicle systems, clean and efficient mobility”
 - “Field operational tests and smart urban mobility”

Challenge 7: ICT for Independent Living and Inclusion

- “ICT and Ageing”: Maintain critical mass within the WP
- Also for “Accessible and inclusive ICT”
- New objective on “ICT for participatory governance”

Challenge 7: Complementing AAL Joint National Programme

AAL joint national programme: applied R&D of concrete ICT-based solutions for ageing well

-> ICT WP "ICT and Ageing": research targeting 5-10 years to market and larger scale projects

Future and Emerging Technologies

- Maintain effort and balance (1/3-2/3) between FET Open and FET proactive
- Suggestions for proactive initiatives to be refined in the WP
- Examples:
 - Integrating inspirations from natural and social sciences
 - > new paradigms for information acquisition, processing and communication
 - New structures and materials beyond silicon
 - > push the limits of miniaturisation
 - Complex systems science
 - > build foundations for complex techno-social systems

HORIZONTAL SUPPORT ACTIONS

Objective ICT-2009.9.4 : Strengthening Cooperation in ICT R&D in an Enlarged Europe

- Funding scheme CSA
- Indicative budget EUR 5 million
- Call ICT call 4

Actions will include:

- secondment of PhD or post-graduate students and researchers
- organisation of targeted research workshops and events in view of improving collaboration in Community-supported ICT research projects.

Types of funding schemes

- Continue to use the funding scheme
 - "large-scale integrated projects" (IP)
 - "small or medium-scale focused research actions" (STREP)
- Continue to use
 - Networks of Excellence (NoE)
 - Coordination Actions (CA)
 - Specific Support Actions (SA)

	WP 09-10	Call 4
1. Pervasive and Trustworthy Network and Service Infrastructure	557	
1.1 The Network of the Future	190	110
1.5 Networked Media & 3D Internet	80	80
2. Cognitive Systems, Interaction, Robotics	179	
2.1 Cognitive Systems and Robotics	153	73
2.2. Language Based Interaction	26	26
3. Components, systems, engineering	375	
3.2 Design of Semiconductor Components and Electronic-based Miniaturised Systems	25	25
3.3 Flexible, Organic and Large Area Electronics	60	60
3.4 Embedded Systems Design	28	28
3.6 Computing Systems	25	25
3.7 Photonics	60	10
3.8 Organic Photonics and other Disruptive Photonics Technologies	30	30

	WP 09-10	Call 4
5. Towards sustainable and personalised healthcare	161	
5.1 Personal Health Systems	63	63
5.2 ICT for Patient Safety	30	30
5.4: International Cooperation on Virtual Physiological Human	5	5
6. ICT for Mobility, Env'l Sust. & Energy Efficiency	154	
6.1 ICT for Safety and Energy Efficiency in Mobility	53	53
6.3 ICT for Energy Efficiency	30	30
6.4 ICT for Environmental Services & Climate Change Adaptation	24	24
7. ICT for independent living, Inclusion & Participatory governance	73	
7.1 ICT and Ageing	24	24