

**ICT Work Programme 2011-2012
 Relevant Objectives and Calls for EPoSS Community**

Implementation of Calls¹

Call	SME Initiat.	Call 8	GC, EEB, FoF PPP 2012	Call 9	Future Internet PPP 2012	FET Open
Date of publication	1/2/11	20/7/11	20/7/11	18/1/12	18/5/12	20/7/10
Call deadline	28/4/11 (short) 28/9/11 (full)	17/1/12	1/12/11	17/4/12	24/10/12	Cont. to 31/12/12
1. Pervasive and Trusted Network and Service Infrastructure						
1.1 Future Networks		160				
1.2 Cloud Computing, Internet of Services and Advanced Software Engineering		70				
1.3 Internet-connected Objects						
1.4 Trustworthy ICT		80				
1.5 Networked Media & Search Systems						
1.6 Future Internet Research and Experimentation (FIRE)		25				
1.7 PPP FI: Technology foundation – Future Internet Core Platform						
1.8 PPP FI: Use Case scenarios and early trials					67,5	
1.9 PPP FI: Capacity Building and Infrastructure Support					12,5	
1.10 PPP FI: Programme Facilitation and Support						
2. Cognitive Systems and Robotics						
2.1 Cognitive Systems and Robotics				82		
3. Alternative Paths to Components and Systems						
3.1 Very advanced nanoelectronic components: design, engineering, technology and manufacturability		60				
3.2 Smart components and smart systems integration		39				
3.3 New paradigms for embedded systems, monitoring and control towards complex systems engineering						
3.4 Computing Systems						
3.5 Core and disruptive photonic technologies		92				
3.6 Flexible, Organic and Large Area Electronics and Photonics						

¹ No responsibility is taken for the correctness of this information.

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4. Technologies for Digital Content and Languages						
4.1 SME initiative on Digital Content and Languages	35					
4.2 Language Technologies						
4.3 Digital Preservation				30		
4.4 Intelligent Information Management		50				
5. ICT for Health, Ageing Well, Inclusion and Governance						
5.1 Personal Health Systems						
5.2 Virtual Physiological Human				66,5		
5.3 Patient Guidance Services (PGS), safety and healthcare record information reuse						
5.4 ICT for Ageing and Wellbeing						
5.5 ICT for smart and personalised inclusion						
5.6 ICT Solutions for governance and policy modelling						
5.7 Support to JPI "More Years – Better Lives"		1.5				
6. ICT for a Low Carbon Economy						
6.1 Smart energy grids		30				
6.2 ICT systems for Energy Efficiency						
6.3 ICT for efficient water resources management		15				
6.4 PPP EEB: ICT for energy-efficient buildings and spaces of public use						
6.5: PPP EEB: ICT for energy-positive neighbourhoods			30			
6.6 Low-carbon multi-modal mobility and freight transport						
6.7 Cooperative systems for energy efficient and sustainable mobility		40				
6.8 PPP GC: ICT for fully electric vehicles			30			
7. ICT for the Enterprise and Manufacturing						
7.1 PPP FoF: Smart factories: energy-aware, agile manufacturing and customisation			40			
7.2 PPP FoF: Manufacturing Solutions for new ICT products			20			
7.3 PPP FoF: Virtual factories and enterprises						
7.4 PPP FoF: Digital factories: Manufacturing design and product lifecycle management						

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8. ICT for Learning and Access to Cultural Resources						
8.1 Technology-Enhanced Learning		60				
8.2 ICT for access to cultural resources				40		
9. Future and Emerging Technologies						
FET-Open						
9.1 Challenging current Thinking						75
9.2 High-Tech Research Intensive SMEs in FET research						9
9.3 FET Young Explorers						6
9.4 International cooperation on FET research						3
FET-Proactive						
9.5 FET Flagship Initiative Preparatory Actions						
9.6 FET Proactive: Unconventional Computation (UCOMP)		15				
9.7 FET Proactive: Dynamics of Multi-Level Complex Systems		23				
9.8 FET Proactive: Minimising Energy Consumption of Computing to the Limit (MINECC)		15				
9.9 FET Proactive: Quantum ICT (QICT) including ERA-NETPlus				22		
9.10 FET Proactive: Fundamentals of Collective Adaptive Systems (FOCAS)				23		
9.11 FET Proactive: Neuro-Bio-Inspired Systems (NBIS)				23		
9.12 Coordinating Communities, Identifying new research topics for FET Proactive initiatives and Fostering Networking of National and Regional Research Programmes		3		2,5		
9.13 Exa-scale computing, software and simulation						
9.14 Science of Global Systems		3,5				

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10. International Cooperation						
10.1 EU-Brazil Research and Development Cooperation						
10.2 EU-Russia Research and Development Cooperation						
10.3 International Partnership building and support to dialogues				2		
11. Horizontal Actions						
11.1 Pre-Commercial Procurement Actions		5				
11.2 National Contact Points						
11.3 Strengthening Cooperation in ICT R&D in an Enlarged Europe						
Total Budget	35	787	120	291	80	93