



2012-2013 ICT Calls in FP7

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3TU.NIRICT Meeting – 2012-05-22

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Eindhoven
University of Technology

**Eindhoven Institute
for Research on ICT**

ICT Calls 2012-2013 - Contents

EU Programs

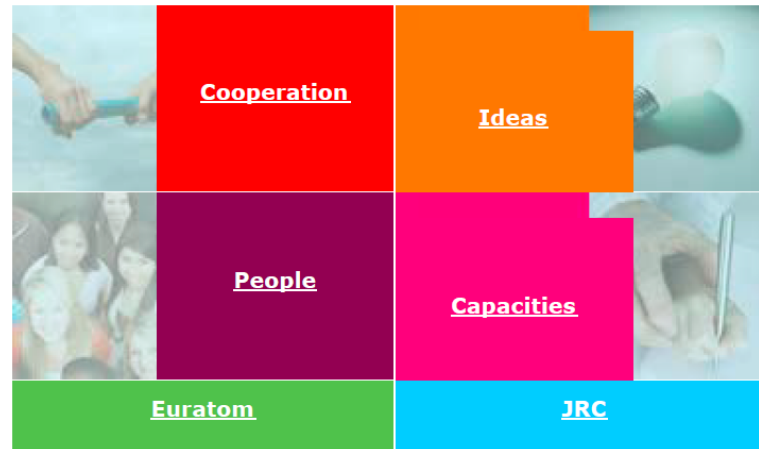
- **FP7**
 - **FP7 Cooperation**
 - **FP7-ICT**
 - **Other FP7 Cooperation themes (partly covered)**
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 - **Artemis (not covered yet)**
 - **ENIAC (not covered yet)**
 - **CIP**
 - **ICT Policy Support Program (ICT PSP)**
 - **AAL (Ambient Assisted Living) (not covered yet)**
- **H2020 (partly covered)**
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- **EIT (not covered yet)**

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 - **Catrene (not covered yet)**
 - **Aeneas (not covered yet)**
- **H2020 (partly covered)**
 - **H2020-ICT (not covered yet)**
- **COST (not covered yet)**
 - **COST-ICT (not covered yet)**
- **EIT (not covered yet)**
 - **EIT ICT Labs (not covered yet)**
 - **EIT Inno Energy (not covered yet)**
 - **Future of EIT (not covered yet)**

FP7 Structure



Cooperation

Health, Food, Agri&Biotech, **ICT**, NMP, Energy, Environment, Transport, Socio-economic Sciences and Humanities, Space, Security, Joint Technology Initiatives

Ideas

European Research Council ERC

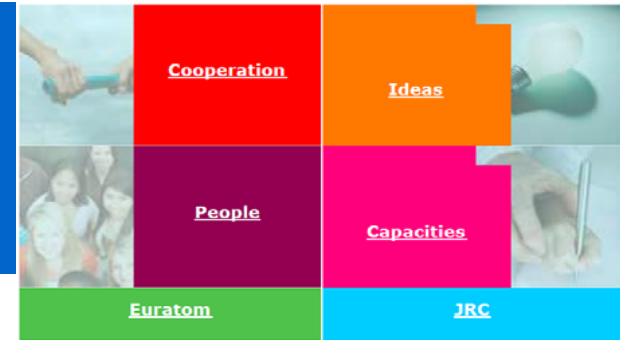
People

Marie Curie Actions

Capacities

Research Infrastructures, Research for the benefit of SME, Regions of knowledge, Science in Society, INCO

FP7 Structure



Cooperation	Ideas	People	Capacities
Health	European Research Council (ERC)	Marie Curie Actions	Research Infrastructures
Food, Agri & Biotech			Research for the benefit of SME
ICT			Regions of knowledge
NMP			Science in Society
Energy			INCO
Environment			
Transport			
Socio-economic Sciences and Humanities			
Space			
Security			
Joint Technology Initiatives			

FP7: Enabling Europe to shape and master the 2015-2020 ICT landscape

Three major technology and socio-economic transformations that Europe can and should lead:

- Future Internet (FI)
- Alternative paths to ICT components and systems
- ICT for sustainable development

In addition, main mid-to-long term drivers for ICT research priorities remain valid

- ‘more for less’ - more *functionality and performance* at lower cost
- *scalability, adaptability and learning capabilities* of ICT systems
- *reliability and security*
- higher volumes and more complex *digital content and services*
- *innovation from the use of ICT* in ever more challenging applications

ICT in FP7 Cooperation

- **Core ICT challenges and objectives are in FP7-ICT**
- **However, ICT challenge and objectives are also present in other Thematic Domains:**
 - **FP7-Health**
 - **FP7-NMP (Nanosciences, Nanotechnologies, Materials and new Production Technologies)**
 - **FP7-Energy**
 - **FP7-Transport**
 - **FP7-Security**
 - **JTI's**
 - **Artemis**
 - **ENIAC**
- **For full coverage of ICT topics in FP7 Cooperation these Thematic Domains have to be considered as well**

FP7-ICT – Technology Challenges - 1

Four ICT technology challenges:

- **Challenge 1: Pervasive and Trusted Network and Service Infrastructures**
 - Public-Private Partnership: **Future Internet**
- **Challenge 2: Cognitive System and Robotics**
- **Challenge 3: Alternative Paths to Components and Systems**
- **Challenge 4: Technologies for Digital Content and Languages**

FP7-ICT – Technology Challenges - 2

Four challenges with socio-economic goals:

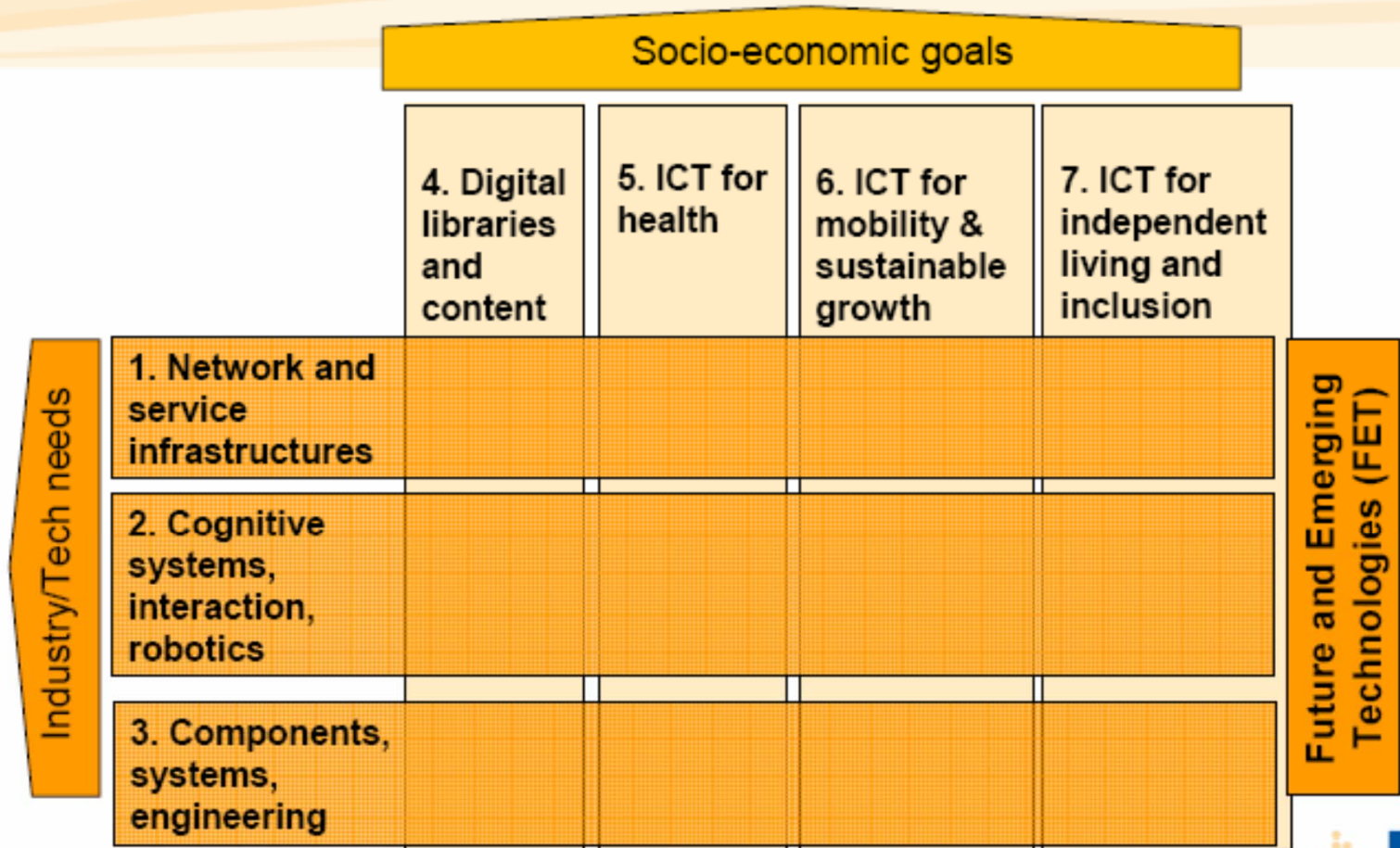
- Challenge 5: ICT for Health, Ageing Well, Inclusion and Governance
- Challenge 6: ICT for a Low Carbon Economy
 - Public-Private Partnership: Energy-efficient Buildings
 - Public-Private Partnership: Green Cars
- Challenge 7: ICT for the Enterprise and Manufacturing
 - Public-Private Partnership: Factories of the Future
- Challenge 8: ICT for Learning and Access to Cultural Resources

FP7-ICT – FET

Future and Emerging Technologies (FET) Scheme:

- Act as pathfinder for mainstream ICT research
- Lay new foundations for future ICT
- Impact future industrial ICT research agendas

ICT in FP7: 7 Challenges + FET



EU Calls for Proposals – Framework 7 Programme – Theme 3: ICT

Budget 2012-2013 FP7-ICT Cooperation : ca. 1.3 Billion Euro, 3 ICT Calls

Key reference: WORK PROGRAMME 2013, COOPERATION, THEME 3: ICT – INFORMATION AND COMMUNICATIONS TECHNOLOGIES, Version V2 – 13 April 2012, European Commission*

Call title	Call Identifier	Date of Publication	Submission Deadline	Indicative Budget
ICT Call 9	FP7-ICT-2011-9	18 January 2012	17 April 2012 at 17:00 PM (Brussels local time) CLOSED	291 M€
ICT call 10	FP7-ICT-2013-10	10 July 2012	15 January 2013 at 17:00 PM (Brussels local time)	734 M€
ICT call 11	FP7-ICT-2013-11	18 September 2012	16 April 2013 at 17:00 PM (Brussels local time)	242 M€

*) http://www.agentschapnl.nl/sites/default/files/bijlagen/fp7_ict_wp_2013_version_V2_clean.pdf

EU Calls for Proposals – Framework 7 Programme – Theme 3: ICT

Deadline:	15 January 2013 at 17:00 PM (Brussels local time)
Indicative Budget:	734 M€

Budget 2012-2013: ca. 2 Miljard euro, 3 ICT Calls

- ❑ **ICT Call 9 1 april 2009: deadline Call 4 (budget ca. 800 M-€)**
 - ❑ **3 november 2009: deadline Call 5 (ca. 720 M-€)**
 - ❑ **10 april 2010: deadline Call 6 (ca. 285 M-€)**
- This slide is not part of the slide set;
it merely serves as reminder for condidering**

Daarnaast in 2009-2010 JTI & AAL programma's

- ❑ **JTI's: ca. 190 M-€ funding (ENIA + Artemis)**
- ❑ **AAL (Ambient Assistant Living): ca. 50 M-€ funding**

Voor deze beide programma's is nationale co-funding nodig via SenterNovem

FP7 ICT Call 10, Challenge 1

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
1. Pervasive and Trusted Network and Service Infrastructure	ICT-2013.1.2 Software Engineering, Services and Computing	IP/STREP, CSA	41.5 M€
	ICT-2013.1.3 Internet of Things and the Digital Enterprise	IP/STREP, CSA	36 M€
	ICT-2013.1.4 Trustworthy ICT	IP/STREP, CSA	36.5 M€
	ICT-2013.1.5 Connected and Social media	IP, STREP, CSA	33.4 M€
	ICT-2013.1.6 Future Internet Research Experimentation	(FIRE) IP, STREP, CSA, SICA	19 M€

FP7 ICT Call 10, Challenges 2 & 3

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
Challenge 2: Cognitive systems and robotics	ICT-2013.2.1 Robotics, Smart spaces and cognitive systems	IP/STREP	67 M€
	ICT-2013.2.2 Robotics use cases & Accompanying measures	STREP, CSA	23 M€
Challenge 3: Alternative Paths to Components and Systems	ICT-2013.3.3 Heterogeneous Integration of Key Enabling Technologies, Components and Systems	IP/STREP, CSA	64 M€
	ICT-2013.3.4 Advanced Computing, embedded and Control Systems	IP/STREP, CSA	46 M€

FP7 ICT Call 10, Challenges 4 & 5

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
Challenge 4: Technologies for Digital Content and Languages	ICT-2013.4.1 Content analytics and language technologies	STREP, CSA	27 M€
Challenge 5: ICT for Health, Agein Well, Inclusion and Governance	ICT-2013.5.1 Personalised Health, active ageing and independent living	IP/STREP, CPCSA, CSA	58 M€
	ICT-2013.5.2 Virtual Physiological Human	STREP, CSA	31.9 M€
	ICT-2013.5.3: ICT for smart and personalised inclusion	IP/STREP, CSA	19 M€
	ICT 2013.5.4 ICT for Governance and Policy Modelling	STREP, CSA	19 M€
	ICT-2013.5.5 Collective awareness platforms for Sustainability and Social Innovation	IP/STREP, NoE, CSA	15 M€

FP7 ICT Call 10, Challenges 6, 8 & 9

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
Challenge 6: ICT for a Low Carbon Economy	ICT-2013.6.2 Data Centres in an energy-efficient and environmental friendly Internet	STREP	20 M€
	ICT-2013.6.5 Co-operative mobility	IP/STREP, CSA	41 M€
Challenge 8: ICT for learning and Access to Cultural resources	ICT-2013.8.1 Technologies for, and scientific advances in fully creative experiences	IP/STREP, CPCSA, CSA	43 M€
Challenge 9: Future and Emerging Technologies	ICT-2013.9.6 FET Proactive: Evolving Living Technologies (EVLIT)	STREP	16 M€
	ICT-2013.9.7 FET Proactive: Atomic and Molecular Scale Devices and Systems	IP, STREP	16 M€
	ICT-2013.9.8 FET Proactive: Coordinating communities, identifying new research topics for FET Proactive initiatives and fostering interdisciplinary dialogue	CSA	3 M€

FP7 ICT Call 10, International Cooperation, Horizontal Actions & Special Action

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
International Cooperation	ICT-2013.10.3 International partnership building and support to dialogues – Horizontal International Cooperation Actions	CSA	8 M€
Horizontal Actions	ICT-2013.11.1 Ensuring more efficient, higher quality public services through Pre-Commercial Procurement of ICT solutions across various sectors of public interest	CP-CSA	4 M€
	Objective ICT-2013.11.3 High quality cloud computing environment for public sector needs, validated through a pre-commercial procurement (PCP) jointly undertaken by Member States and the European Commission	CP-CSA, CSA	10 M€
	Objective ICT-2013.11.4 Supplements to Strengthen Cooperation in ICT R&D in an Enlarged European Union	IP, STREP	9 M€
	Objective ICT-2013.11.5 SME Access to Finance and legal advice	CSA	5.7 M€
Special action	ICT-2013.12.1 Exa-scale computing platforms, software and applications	IP, STREP	22 M€

FP7 ICT Call 11, Challenges 1, 3 & 4

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
1. Pervasive and Trusted Network and Service Infrastructure	ICT-2013.1.1 Future Networks	IP/STREP, CSA	48.5 M€
Challenge 3: Alternative Paths to Components and Systems	ICT-2013.3.1 Nanoelectronics	STREP, CSA	32 M€
	ICT-2013.3.2 Photonics	IP, STREP, CSA, ERANET Plus	48.5 M€
Challenge 4: Technologies for Digital Content and Languages	ICT-2013.4.2 Scalable data analytics	IP/STREP, CSA	32 M€

FP7 ICT Call 11, Challenges 6, 8 & Future and Emerging Technologies

Challenge	Objective (ICT-2013)	Funding Schemes	Budget
Challenge 6: ICT for a Low Carbon Economy	ICT-2013.6.1 Smart energy grids	STREP	18 M€
	ICT-2013.6.3 ICT for water resources management	STREP	14 M€
Challenge 8: ICT for Skills and Heritage	ICT-2013.8.2 Technology Enhanced Learning	IP/STREP, CPCSА, CSA	25 M€
Future and Emerging Technologies	ICT-2013.9.9 FET Flagship Initiatives: Ramp up phase and ERANET+	ERA-NET Plus	20 M€

EU Calls for Proposals – Framework 7 Programme – Public-Private Partnerships involving Theme 3: ICT

Call title	Call Identifier	Date of Publication	Submission Deadline	Indicative Budget
Future Internet	FP7-2013-ICT-FI	16 May 2013	10 December 2013 at 17:00 PM (Brussels local time)	130 M€ (ICT: 130 M€)
Energy-efficient Buildings	FP7-2013-NMP-ENV-ENERGY-ICT-EeB	10 July 2012	4 December 2012 at 17:00 PM (Brussels local time)	156 M€ (NMP: 110 M€; ICT: 40 M€; ENV: 6 M€)
ICT for Green Cars	FP7-2013-ICT-GC	10 July 2012	4 December 2012 at 17:00 PM (Brussels local time)	40 M€ (ICT: 40 M€)
Factories of the Future	FP7-2013-NMP-ICT-FoF	10 July 2012	4 December 2012 at 17:00 PM (Brussels local time)	230 M€ (NMP: 160 M€; ICT: 70 M€)

FP7 PPP Call “Future Internet”, ICT – Information and Communication Technologies (FoF-ICT)

Call Identifier: FP7-2013-ICT-FI

Activity/Area	Topics Called	Funding Schemes	Budget
FI.ICT-2013.1.7	Expansion of Use Cases	20 CP-CSA, maximise geographical and/or sectorial coverage	110 M€
FI.ICT-2013.1.8	Technology Foundation Extension and Usage	Collaborative Projects (IP only) and Coordination Actions (CSA only)	20 M€

PPP FI is connected with Challenge 1 of FP7-ICT: Pervasive and Trusted Network and Service Infrastructures

FP7 PPP Call “Energy-Efficient Buildings”, ICT – Information and Communication Technologies (EeB-ICT)

Call Identifier: FP7-2013-NMP-ENV-ENERGY-ICT-EeB

Activity/Area	Topics Called	Funding Schemes	Budget
EeB-ICT-2013.6.4	Optimizing Energy Systems in Smart Cities	Collaborative Projects (STREP only) and Coordination and Support Actions (CSA)	70 M€

PPP EeB is connected with Challenge 6 of FP7-ICT: ICT for a Low Carbon Economy

FP7 PPP Call “ICT for Green Cars”, ICT – Information and Communication Technologies (GC.ICT)

Call Identifier: FP7-2013-ICT-GC

Activity/Area	Topics Called	Funding Schemes	Budget
GC.ICT.2013.6.6	Electro-mobility	Collaborative Projects (IP, STREP) and Coordination and Support Actions (CSA)	40 M€

PPP ICT-GC is connected with Challenge 6 of FP7-ICT: ICT for a Low Carbon Economy

FP7 PPP Call “Factories of the Future”, ICT – Information and Communication Technologies (FoF-ICT)

Call Identifier: FP7-2013-NMP-ICT-FoF

Activity/Area	Topics Called	Funding Schemes	Budget
FoF-ICT-2013.7.1	Application experiments for robotics and simulations	Collaborative Projects (IP only) and Support Actions (SA only)	70 M€
FoF-ICT-2013.7.2	Equipment assessment for sensor and laser based applications	Collaborative Projects (IP only) and Coordination Actions (CA only)	

PPP FoF is connected with Challenge 7 of FP7-ICT: ICT for the Enterprise and Manufacturing

EU Calls for Proposals – Framework 7 Programme – FET Calls in the context of Theme 3: ICT

Call title	Call Identifier	Date of Publication	Submission Deadline	Indicative Budget
FET Flagship Initiatives	FP7-ICT-2013-FET-F	10 July 2012	23 October 2012 at 17:00 PM (Brussels local time)	100 M€
FET Open	FP7-ICT-2013-C	10 July 2012	Cont. to 12 March 2013 at 17:00 PM (Brussels local time)	50 M€
FET Open Xtrack	FP7-ICT-2013-C	12 September 2012	29 January 2013 at 17:00 PM (Brussels local time)	15 M€

FP7-ICT Call “FET Open”

Call Identifier: FP7-ICT-2013-FET-C

Activity/Area	Topics Called	Funding Schemes	Budget
FP7-ICT Challenge 9: Future and Emerging Technologies	ICT-2013.9.1 FET-Open: Challenging current thinking	CP (STREP only), CSA	50 M€
	ICT-2013.9.2 High_Tech Research Intensive SMEs in FET research	CP (STREP only)	
	ICT-2013.9.3 FET Young Explorers	CP (STREP only)	
	ICT-2013.9.4 International Cooperation in FET research	Additional funding to existing grants (IP/STREP)	

FP7-ICT Calls “FET Flagship Initiatives”, “FET Open X-track”

Call Identifier: FP7-ICT-2013-FET-F

Activity/Area	Topics Called	Funding Schemes	Budget
FP7-ICT Challenge 9: Future and Emerging Technologies	ICT-2013.9.9 FET Flagship Initiatives (a)	CP-CSA	100 M€

Call Identifier: FP7-ICT-2013-FET-X

Activity/Area	Topics Called	Funding Schemes	Budget
FP7-ICT Challenge 9: Future and Emerging Technologies	ICT-2013.9.5 FET-Open Xtrack	CP (STREP only)	15 M€

EU Calls for Proposals – Framework 7 Programme – Other initiatives involving Theme 3: ICT

Call title	Call Identifier	Date of Publication	Submission Deadline	Indicative Budget
SME Initiative on Analytics	FP7-ICT-2013-SME-DCA	10 July 2012	15 January 2013 at 17:00 PM (Brussels local time)	20 M€
ICT – EU Japan Coordinated Call	FP7-ICT-2013-EU-Japan	2 October 2012	29 November 2012 at 17:00 PM (Brussels local time + Tokyo local time)	9 M€
ICT – EU Brazil Coordinated Call	FP7-ICT-2013-EU-Brazil	10 July 2012	24 October 2012 at 17:00 PM (Brussels local time + 18:00 PM Brasilia local time)	4 M€

FP7 Call “SME Initiative on Analytics”

Call Identifier: FP7-ICT-2013-SME-DCA

Activity/Area	Topics Called	Funding Schemes	Budget
FP7-ICT Challenge 4: Technologies for Digital Content and Languages	ICT-2013.4.3 SME initiative on analytics	IP, STREP	20 M€

FP7 Calls “ICT-EU Japan Coordinated Call”

Call Identifier: FP7-ICT-2013-EU-Japan

Activity/Area	Topic Called	Topics	Funding Schemes	Budget
FP7-ICT Chapter 7.10: International Cooperation	FP7-ICT-2013.10.1 EU-Japan Research and Development Cooperation	a) Optical communications	Small or medium scale focused research projects (STREPs)	9 M€
		b) Wireless communications		
		c) Cybersecurity for improved resilience against cyber threats		
		d) Extending the cloud paradigm to the Internet of Things – Connected object and sensor clouds within the service perspective		
		e) Federation of testbeds: Control, tools and experiments		
		f) Green & content centric networks		

FP7 Calls “ICT-EU Brazil Coordinated Call”

Call Identifier: FP7-ICT-2013-EU-Brazil

Activity/Area	Topic Called	Topics	Funding Schemes	Budget
FP7-ICT Chapter 7.10: International Cooperation	FP7-ICT-2013.10.2 EU-Brazil Research and Development Cooperation	a): Cloud computing for Science	Small or medium scale focused research projects (STREPs)	4 M€
		b) Sustainable technologies for a Smarter Society		
		c) Smart Services and applications for a Smarter Society		
		d) Hybrid broadcast-broadband TV applications and services		

Summary of FP7 Calls from FP7-ICT Work Programme 2013 – Cooperation (order of submission deadline)

Call title	Call Identifier	Date of Publication	Submission Deadline	Indicative Budget
FET Flagship Initiatives	FP7-ICT-2013-FET-F	10.07.2012	23.10.2012	100 M€
ICT – EU Brazil Coordinated Call	FP7-ICT-2013-EU-Brazil	10.07.2012	24.10.2012	4 M€
ICT – EU Japan Coordinated Call	FP7-ICT-2013-EU-Japan	02.10.2012	29.11.2012	9 M€
Energy-efficient Buildings	FP7-2013-NMP-ENV-ENERGY-ICT-EeB	10.07.2012	04.12.2012	156 M€ (ICT: 40 M€)
ICT for Green Cars	FP7-2013-ICT-GC	10.07.2012	04.12.2012	40 M€ (ICT: 40 M€)
Factories of the Future	FP7-2013-NMP-ICT-FoF	10.07.2012	04.12.2012	230 M€ (ICT: 70 M€)
SME Initiative on Analytics	FP7-ICT-2013-SME-DCA	10.07.2012	15.01.2013	20 M€
ICT call 10	FP7-ICT-2013-10	10.07.2012	15.01.2013	734 M€
FET Open Xtrack	FP7-ICT-2013-C	12.09.2012	29.01.2013	15 M€
FET Open	FP7-ICT-2013-C	10.07.2012	Cont. to 12.03.2013	50 M€
ICT call 11	FP7-ICT-2013-11	18.09.2012	16.04.2013	242 M€
Future Internet	FP7-2013-ICT-FI	16.05.2013	10.12.2013	130 M€ (ICT: 130 M€)

EU Calls for Proposals – Framework 7 Programme – ICT-relevant themes other than Theme 3: ICT

Call title	Call Identifier	Thematic Domain	(Expected) Date of Publication	Submission Deadline	Indicative Budget
	FP7-HEALTH-2013-INNOVATION-1	Health	July 2012	2 October 2012	
	FP7-HEALTH-2013-INNOVATION-2	Health	July 2012	25 September 2012	
	FP7-NMP-2013-LARGE FP7-NMP-2013-SMALL FP7-NMP-2013-SME	NMP		23 October 2012 (1 st stage of 2)	
	FP7-NMP-2013-CSA	NMP		4 December 2012	
SECURITY RESEARCH CALL 6	FP7-SEC-2013	Security	July 2012	open	292 M€

Work in Progress



Competitiveness and Innovation Framework Programme (CIP)

CIP:

- **Runs in 2007-2013; total budget 3621 M€**
- **Three specific multi-annual programmes:**
 - The Entrepreneurship and Innovation Programme (EIP)
 - The Information and Communication Technologies Policy Support Programme (ICT PSP)
 - The Intelligent Energy Europe Programme (IEE)
- **The total budget of ICT-PSP is 730 M€**
- **CIP will be succeeded by COSME:**
 - **Programme for the Competitiveness of enterprises and SMEs (COSME) 2014-2020**

CIP ICT-PSP Call 6: WP 2012

Date	Event
1 February 2012	Publication of call for proposals
15 May 2012	Call closure Call Closed !
June 2012	Evaluation
September 2012	Start of negotiations
December 2012 / Early 2013	Completion of negotiations, signature of grant agreements

Indicative budget			
Operational budget	<i>Call for proposals (see note)</i>	Theme 1 : ICT for "smart" cities	27
		Theme 2 : Digital content, open access and creativity	41
		Theme 3 : ICT for health, ageing well and inclusion	24
		Theme 4 : ICT for innovative government and public services	20
		Theme 5 : Trusted eServices and other actions	15
	<i>Calls for tender and support measure implemented by grants</i>	12.4	
	TOTAL		139.4

FP7 – 2007-2013 → H2020 – 2014-2020

- **FP7:**
 - **Seventh Framework Programme for Research and Technological Development**
 - **Duration: 2007-2013.**
 - **Mid 2012: Final calls under 7th Framework Programme for research to bridge gap towards Horizon 2020**
- **H2020:**
 - **The EU Framework Programme for Research and Innovation 2014-2020**
 - **Ongoing: Parliament and Council negotiations on the basis of the Commission proposals**
 - **Ongoing: Parliament and Council negotiations on EU budget 2014-2020 (including overall budget for Horizon 2020)**
 - **Mid 2013: Adoption of legislative acts by Parliament and Council on Horizon 2020**
 - **1/1/2014: Horizon 2020 starts, launch of first calls**