

UE supporting ICT projects

The 7th Framework Programme for Research and Technological Development (FP7)

Maciej Wiśniewski

Poznan Supercomputing and Networking Center

IT Contact Point

maciejw@man.poznan.pl



- Covers a period of **7 years**, between 2007 and 2013
- Has a total budget of **over 50 billion €** mainly spent on grants to research actors all over EU and beyond for co-financing R&D and demonstration projects.
- Has **2 major strategic objectives**:
 - Strengthening the S&T (Science and Technology) base of the European industry, and
 - Encouraging its international competitiveness through research that supports EU policies

✓ **a wide range of organisations and individuals:**

- Any company, university, research centre, organisation or individual, legally established in any country

✓ **procedures and funding vary for different groups of countries:**

- The **EU member states (MS)** and the **countries associated to FP7 (AC)** through S&T agreements, EEA agreement and MoU enjoy the broadest rights and access to funding
- The **International Cooperation Partner Countries (EECA, African, Caribbean and Pacific, Mediterranean Countries)** participate under same conditions as EU MS but the consortia must have the required minimum number of participants from MS or AC first

✓ **a basic rule: COOPERATION between Countries and Organisations - THE APPLICATIONS SHOULD COME FROM MULTINATIONAL CONSORTIA and NOT from INDIVIDUAL ORGANISATIONS**

✓ Collaborative Projects (CP)

➤ Large-scale integrating projects (IP)

- Ambitious objective-driven research via “Programme Approach”
- Addressing multiple issues
- Generally multi-component and multi-disciplinary
- 10-20 participants, 3-5 years, 4-25 M€ funding

➤ Small or medium scale focused research actions (STREP)

- Well defined on single focused issue
- Mainly mono-disciplinary
- Single component
- 5-10 participants, 2-3 years, 1-4 M€ funding

Project Acronym: SMARTHOUSE/SMARTGRID

Research area: ICT-2007.6.3 ICT for environmental management and energy efficiency

Start Date: 2008-09-01

Duration: 30 months

Project Cost: 3.81 million euro

End Date: 2011-02-28

Project Funding: 2.56 million euro

Number of partners: 5 (2 from Germany, 2 from Greece and 1 from The Netherlands)

Project description

The SmartHouse/SmartGrid project introduces a holistic concept for smart houses situated and intelligently managed within their broader environment. It develops intelligent networked ICT technology for collaborative technical-commercial aggregations of Smart Houses able to communicate, interact and negotiate with both customers and energy devices in the local energy grid so as to achieve maximum overall energy efficiency as a whole.

✓ **Networks of Excellence (NoE)**

- Support for a **Joint Programme of Activities** implemented by a number of research organisations integrating their activities in a given field

✓ **Coordination and Support Actions (CSA)**

➤ **Coordinating or networking actions (CA)**

- 13-26 participants, 18-36 months, 0,5-2 M€ funding

➤ **Support actions (SA)**

- 1-15 participants, 9-30 months, 0,03-3 M€ funding



Project Acronym: ICT-ENSURE

Research area: ICT-2007.6.3 ICT for environmental management and energy efficiency

Start Date: 2008-05-01

Duration: 24 months

Project Cost: 1.51 million euro

End Date: 2010-04-30

Project Funding: 1.25 million euro

Number of partners: 2 (1 from Germany and 1 from Austria)

Project description:

The internationally organized scientific community "Environmental Informatics" proposes a support action. The super ordinate goal is to promote and extend the European exchange of knowledge and information on environmental issues for a sustainable environmental development based on a well-established network.

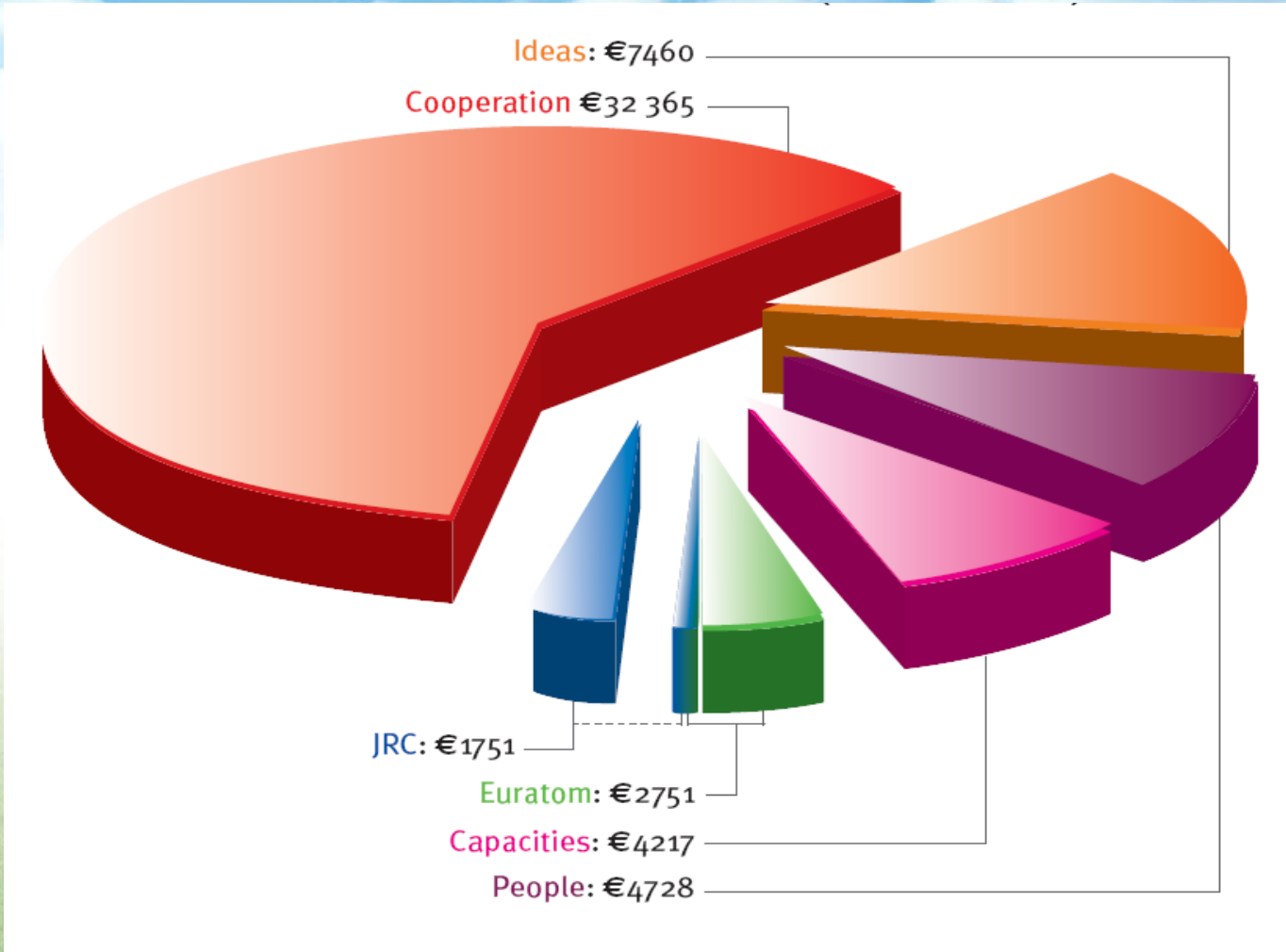


To be considered eligible costs must be:

- **actual** - costs must be actually incurred (actual costs). That means that they must be real and not estimated, budgeted or imputed
- **incurred by the beneficiary** - Supporting documents proving **occurrence**, the bookkeeping and the payment of the costs by the beneficiaries must be kept for all costs and for up to five years after the end of the project.
- **incurred during the duration of the project**, with the exception of costs relating to final reports and certificates on the financial statements
- **determined according to the usual accounting and management principles and practices of the beneficiary identifiable and verifiable**
- **used for the sole purpose of achieving the objectives of the project and its expected results**, in a manner consistent with the principles of economy, efficiency and effectiveness
- **recorded in the accounts of the beneficiary** and, in the case of any contribution from third parties, recorded in the accounts of the third parties

- ✓ **The indicative EC contribution per project depends on used Instruments**
- ✓ **The reimbursement depends on the type of activity, going from 50% to 100%**
- ✓ **Reimbursement rules depend on your legal structure and accounting system**

The indicative breakdown (€ million) of FP7



The indicative breakdown (€ million)
of COOPERATION programme

COOPERATION	Themes	Budget (€ million)
	Health	6100
	Food, Agriculture and Fisheries, and Biotechnology	1935
	Information and Communication Technologies	9050
	Nanosciences, Nanotechnologies, Materials and new Production Technologies	3475
	Energy	2350
	Environment (including Climate Change)	1890
	Transport (including Aeronautics)	4160
	Socio-economic Sciences and the Humanities	623
	Space	1430
Security	1400	

The EU Member States have earmarked a total of **€ 9.1 billion for funding ICT** over the duration of *FP7*; making it the largest research theme in the Cooperation programme, which is itself the largest specific programme of *FP7*

✓ **A limited set of Challenges that**

- Respond to well-identified industry and technology needs and/or
- Target specific socio-economic goals

✓ **A Challenge is addressed through a limited set of Objectives that form the basis of *Calls for Proposals***

✓ **An Objective is described in terms of**

- Target outcome - in terms of characteristics
- Expected impact - in terms of industrial competitiveness, societal goal, technology progress

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Challenge 1: Pervasive and Trusted Network and Service Infrastructures

Challenge 2: Cognitive Systems and Robotics

Challenge 3: Alternative Paths to Components and Systems

Challenge 4: Technologies for Digital Content and Languages

Challenge 5: ICT for Health, Ageing Well, Inclusion and Governance

Challenge 6: ICT for a low carbon economy

Challenge 7: ICT for the Enterprise and Manufacturing

Challenge 8: ICT for Learning and Access to Cultural Resources

Future and Emerging Technologies

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Objective ICT-2011.1.1 Future Networks

Call: FP7-ICT-2011-8, Budget: 160 million

Objective ICT-2011.1.2 Cloud Computing, Internet of Services and Advanced Software Engineering

Call: FP7-ICT-2011-8, Budget: 70 million

Objective ICT-2011.1.3 Internet-connected objects

Call: FP7-ICT-2011-7, Budget: 30 million

Objective ICT-2011.1.4 Trustworthy ICT

Call: FP7-ICT-2011-8, Budget: 80 million

Objective ICT-2011.1.6 Future Internet Research and Experimentation (FIRE)

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FP7-ICT-2011-7:

- FIRE Facility: Maturing and expanding the FIRE Experimental Facility
- FIRE Science: A multidisciplinary Network of Excellence in the area of holistic Future Internet research

IP: EUR 15 million, NoE: EUR 5 million

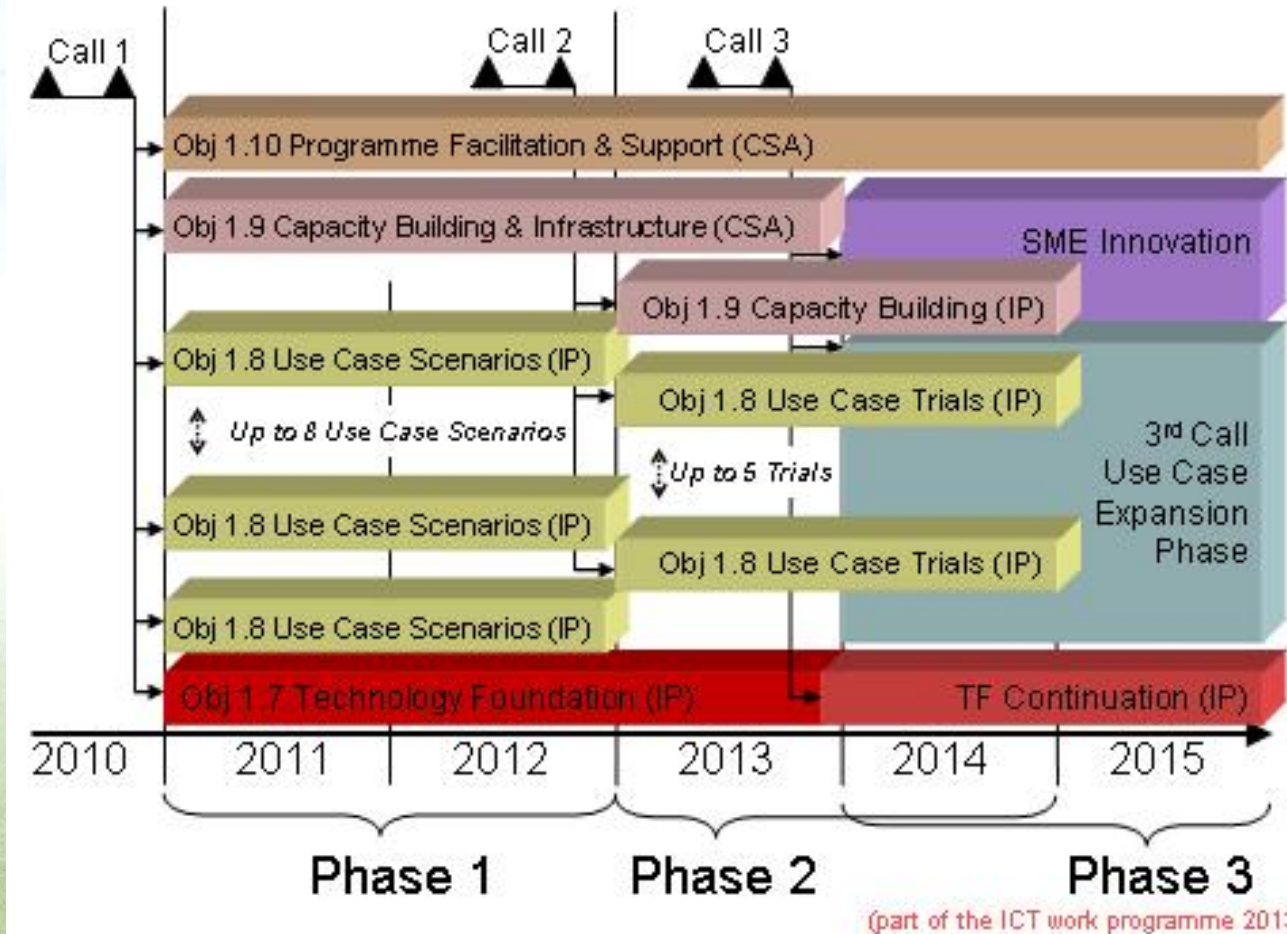
FP7-ICT-2011-8

- FIRE Federation: implementing a demand-driven high level federation framework for all FIRE prototype facilities
- FIRE Experimentation: Experimentally-driven research in the broad field of the Future Internet
- Coordination and Support Actions

IP/STREP: EUR 23 million of which EUR 8 million for IP and EUR 15 million for STREP, CSA: EUR 2 million

Future Internet Public Private Partnership (FI-PPP)

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Challenge 6: ICT for a low carbon economy

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Objective ICT-2011.6.1 Smart Energy Grids

Objective ICT-2011.6.2 ICT systems for energy efficiency

Objective ICT-2011.6.3 ICT for efficient water resources management

EEB-ICT-2011.6.4 ICT for energy-efficient buildings and spaces of public use

EEB-ICT-2012.6.5 ICT for energy-positive neighbourhoods

Objective ICT-2011.6.6 Low carbon multi-modal mobility and freight transport

Objective ICT-2011.6.7 Cooperative Systems for energy efficient and sustainable mobility

GC-ICT-2011.6.8 (GC-ICT-2012.6.8) ICT for fully electric vehicles



The Work Programme for 2011-2012 defining the priorities for research funding in ICT is currently being elaborated. It will be published in the summer of 2010 and presented in detail at the ICT 2010 conference in September 2010 in Brussels.



Thank you for your attention!

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