

*Information and Communication
Technologies (ICT) in the Seventh
Framework Programme*

Work programme 2009-2010

**Рабочая программа ИКТ 2009-2010,
новые конкурсы**



Information and Communication Technologies in FP7

A guide through the 2009-10 Work Programme

Outline

- Where do we stand?
- Positioning of the Programme
- Programme approach and features
- Calls overview

The WP for 2009-10 has been agreed by the ICT Committee
The currently opened calls are covered by the 2009 budget only

Where do we stand?

- **Behind us:**
 - Three main Calls (+ FET Open + Joint Call Sec) for proposals in 2007-08
 - 2.1 B€ of EU funding,
 - Around 500 projects launched or to be launched (out of ~3000 proposals received)
 - Launch of the first Calls of two Joint Technology Initiatives (JTI) and Ambient Assisted Living Joint Programme (AAL) [95 M€ EU + 140 M€ MS funding]

Ahead of us

- WP 2009-10, **1.9 B€** funding
- + JTIs >680 M€ funding
- +AAL around 100 M€ funding

Positioning of the Programme

- Projects launched in 2009-10 to have impact in 2015-20
- By then, global ICT/knowledge infrastructure – market structures - value chains - business models: all will have significantly changed

Research challenges should:

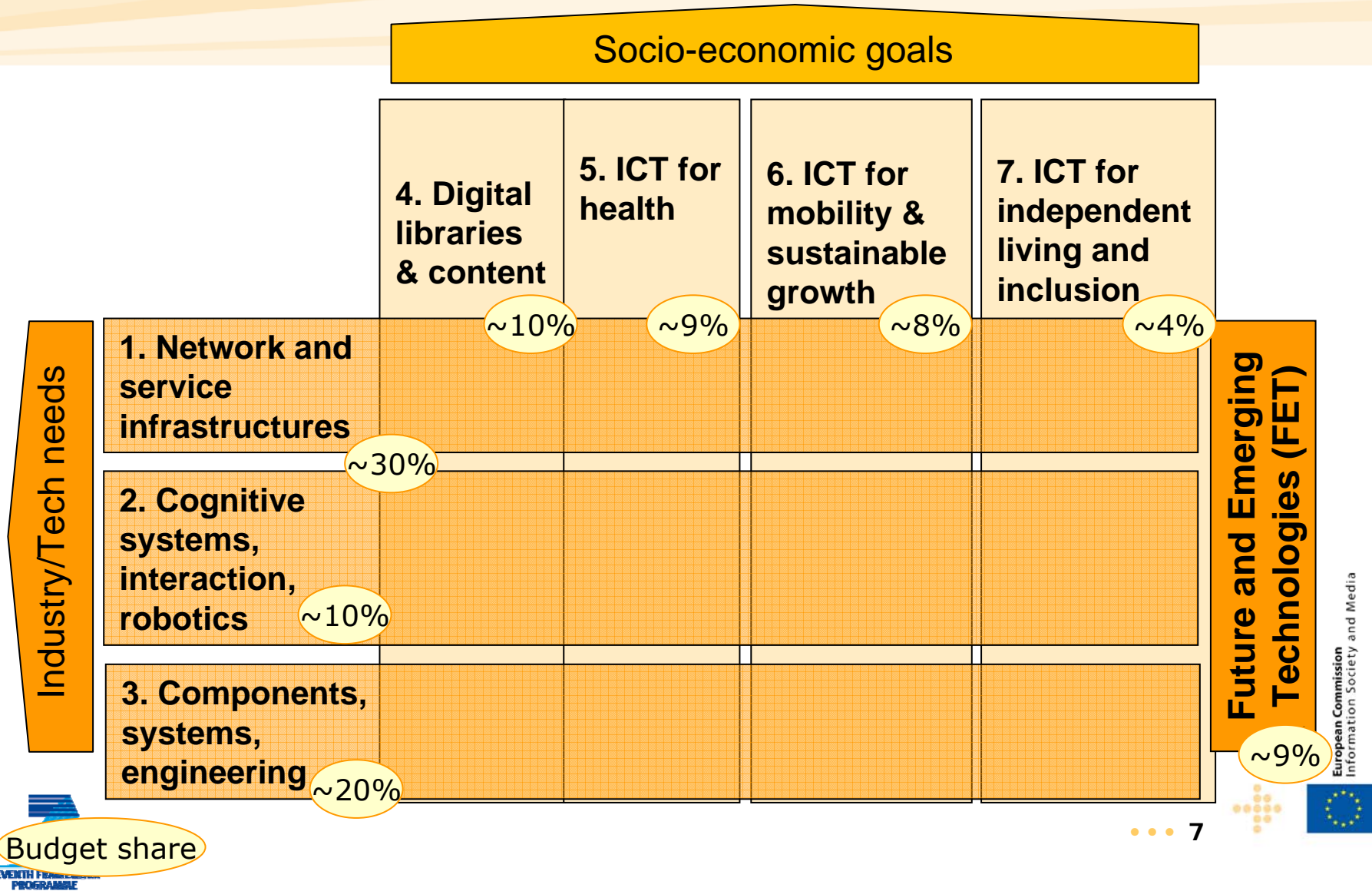
- Encourage firms to explore more innovative options than they would otherwise pursue
- Focus on higher-risk ICT collaborative research in a medium to long-term agenda

Approach: Maintain the structure and Challenges

- ✓ Continue to focus on the identified limited set of **Challenges** and the FET scheme
- ✓ Address Challenges through a limited set of **objectives**
- ✓ Indicate the set of **outcomes** **targeted** by the research work and their **expected** **impact**

- ✓ **Continuity**
 - of structure
- ✓ **Adaptations**
 - of challenges and objectives
 - also through different weights between priorities

ICT in FP7: 7 Challenges + FET



Addressing synergies throughout the Programme

Breakthroughs from cross-overs and convergence of technologies and disciplines

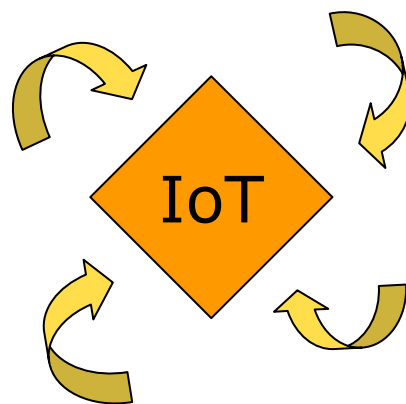
Service architecture within application schemes (Obj.1.3)

Novel architectural schemes at network level (Obj.1.1)

Innovations from the use of ICT in demanding application contexts

System level integration and programming of smart networked objects, computing (Obj. 3.5, 3.6)

Security and privacy in networks (Obj.1.4)



Example: Internet of Things

Other important features

- Involving **SMEs** and feeding innovation
 - > aim is to ensure that SMEs constitute an important part of the ICT research consortia
- Contributing to European and global **standards**
- Encouraging the use of **IPV6**
- Bringing the **user** in research cycles
 - > **Proposers are encouraged to apply user-driven Open Innovation methodologies**

Call 4: Open 19 Nov 2008, Close 1 Apr 2009; ~800 M€

Challenge	Objectives
Challenge 1: Pervasive and Trusted Network and Service Infrastructures	ICT 2009.1.1 The Network of the Future ICT 2009.1.5 Networked Media & 3D Internet
Challenge 2: Cognitive systems, interaction, robotics	ICT 2009.2.1 Cognitive Systems and Robotics ICT 2009.2.2. Language-Based Interaction
Challenge 3: Components, systems, engineering	ICT 2009.3.2 Design of Semiconductor Components & Electronic-based Miniaturised Systems ICT 2009.3.3 Flexible, Organic and Large Area Electronics ICT 2009.3.4 Embedded Systems Design ICT 2009.3.6 Computing Systems ICT 2009.3.7 Photonics ICT 2009.3.8 Organic Photonics and other Disruptive Photonics Technologies
Challenge 5: Towards sustainable and personalised healthcare	ICT 2009.5.1 Personal Health Systems ICT 2009.5.2 ICT for Patient Safety ICT 2009.5.4: International Cooperation on Virtual Physiological Human
Challenge 6: ICT for mobility, environmental sustainability and energy efficiency	ICT 2009.6.1 ICT for Safety and Energy Efficiency in Mobility ICT 2009.6.3 ICT for Energy Efficiency ICT 2009.6.4 ICT for Environmental Services & Climate Change Adaptation ICT 2009.6.5: Novel ICT solutions for Smart Electricity Distribution Networks
Challenge 7: ICT for independent living, inclusion and participatory governance	ICT 2009.7.1 ICT and Ageing ICT 2009.7.2 Accessible and Assistive ICT ICT 2009.7.3 ICT for Governance and Policy Modelling
Future and emerging technologies	ICT 2009.8.0 FET-Open (Batch 5-6-7-8) ICT 2009.8.1,2,3,9,10 FET-Proactive
Horizontal support actions	ICT 2009.9.1 International Cooperation ICT 2009.9.2 Supplements to support International Cooperation, ongoing projects ICT 2009.9.3 Other Horizontal Actions ICT 2009.9.4 : Strengthening cooperation in ICT R&D in an enlarged Europe

Call 5: Open 31 Jul 2009, Close 3 Nov 2009, ~720 M€

Challenge	Objectives
Challenge 1: Pervasive and Trusted Network and Service Infrastructures	ICT 2009.1.1 The Network of the Future (call 5) ICT 2009.1.2 Internet of Services, Software & virtualisation ICT 2009.1.3 Internet of Things and enterprise environments ICT 2009.1.4 Trustworthy ICT ICT 2009.1.6 Future Internet Experimental Facility and Experimentally-driven Research
Challenge 3: Components, systems, engineering	ICT 2009.3.1 Nanoelectronics Technology ICT 2009.3.5 Engineering of Networked Monitoring and Control Systems ICT 2009.3.7 Photonics ICT 2009.3.9 Microsystems and Smart Miniaturised Systems
Challenge 4: Digital Libraries and Content	ICT 2009.4.2 Technology-Enhanced Learning ICT 2009.4.3 Intelligent information management
Future and emerging technologies	ICT 2009.8.4,5,6,9,10 FET-Proactive
Horizontal support actions	ICT 2009.9.2 Supplements to support International Cooperation, ongoing projects



Call 6: Open 24 Nov 2009, Close 13 April 2010; ~ 285M€

Challenge	Objectives
Challenge 2: Cognitive systems, interaction, robotics	ICT 2009.2.1 Cognitive Systems and Robotics
Challenge 4: Digital Libraries and Content	ICT 2009.4.1 Digital Libraries and Digital Preservation
Challenge 5: Towards sustainable and personalised healthcare	ICT 2009.5.3 Virtual Physiological Human
Challenge 6: ICT for mobility, environmental sustainability and energy efficiency	ICT 2009.6.2 ICT for Mobility of the Future
Future and emerging technologies	ICT 2009.8.7,8,9,10 FET-Proactive
Horizontal support actions	ICT 2009.9.1 International Cooperation ICT 2009.9.2 Supplements to support International Cooperation between ongoing projects



ICT Call 4

Индикативный бюджет конкурса € 801m

19 целей, охватывающих все тематические проблемы, кроме Ch 4 - "Цифровые библиотеки и содержание"

3 FET Proactive Initiatives & FET Coordination and support actions

Международное сотрудничество

Общие мероприятия сопровождения

ICT Call 4

Ожидаемое количество заявок 1800

Открытие конкурса - 19 ноября 2008

Заккрытие - 1 апреля 2009 17.00

Период оценки: Пон 25 мая-Пят 12 июня

Период слушаний: Вт 2-Пят 12 июня

Результаты оценки - конец июня 2009

ICT-ENERGY Joint call Совместный конкурс ИКТ-Энергетика

Индикативный бюджет конкурса €10m+
€10m

Новые ICT решения для интеллектуальных сетей
распределения электричества

Начала конкурса - 8 декабря 2008

Заккрытие - 31 марта 2009, 17.00

FET Open

Индикативный бюджет €61m

Открытие конкурса - 19 ноября 2008

Заккрытие - 31 декабря 2010



European Commission
Information Society and Media

More Information

- FP7: <http://ec.europa.eu/fp7/ict>
- FP6: <http://cordis.europa.eu/ist>

**Thank you for your
attention!**

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European Commission
Information Society and Media