

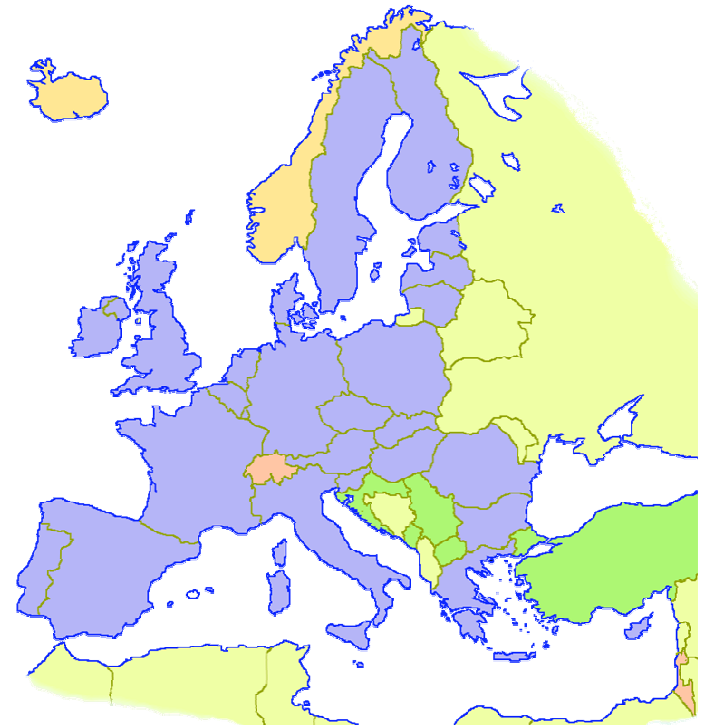
# Seventh Framework Programme (FP7)

***Stephen Alexander***

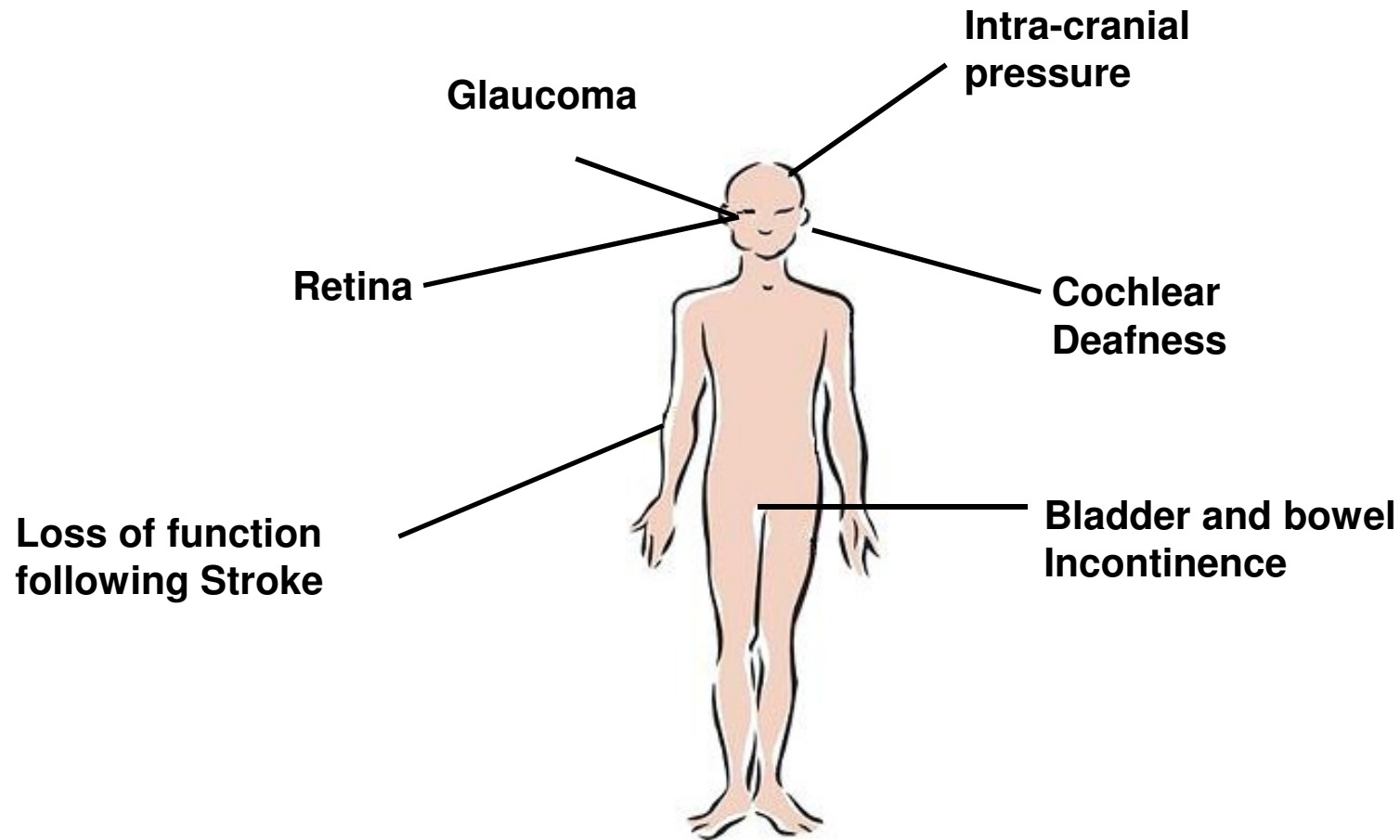
***FP7UK***

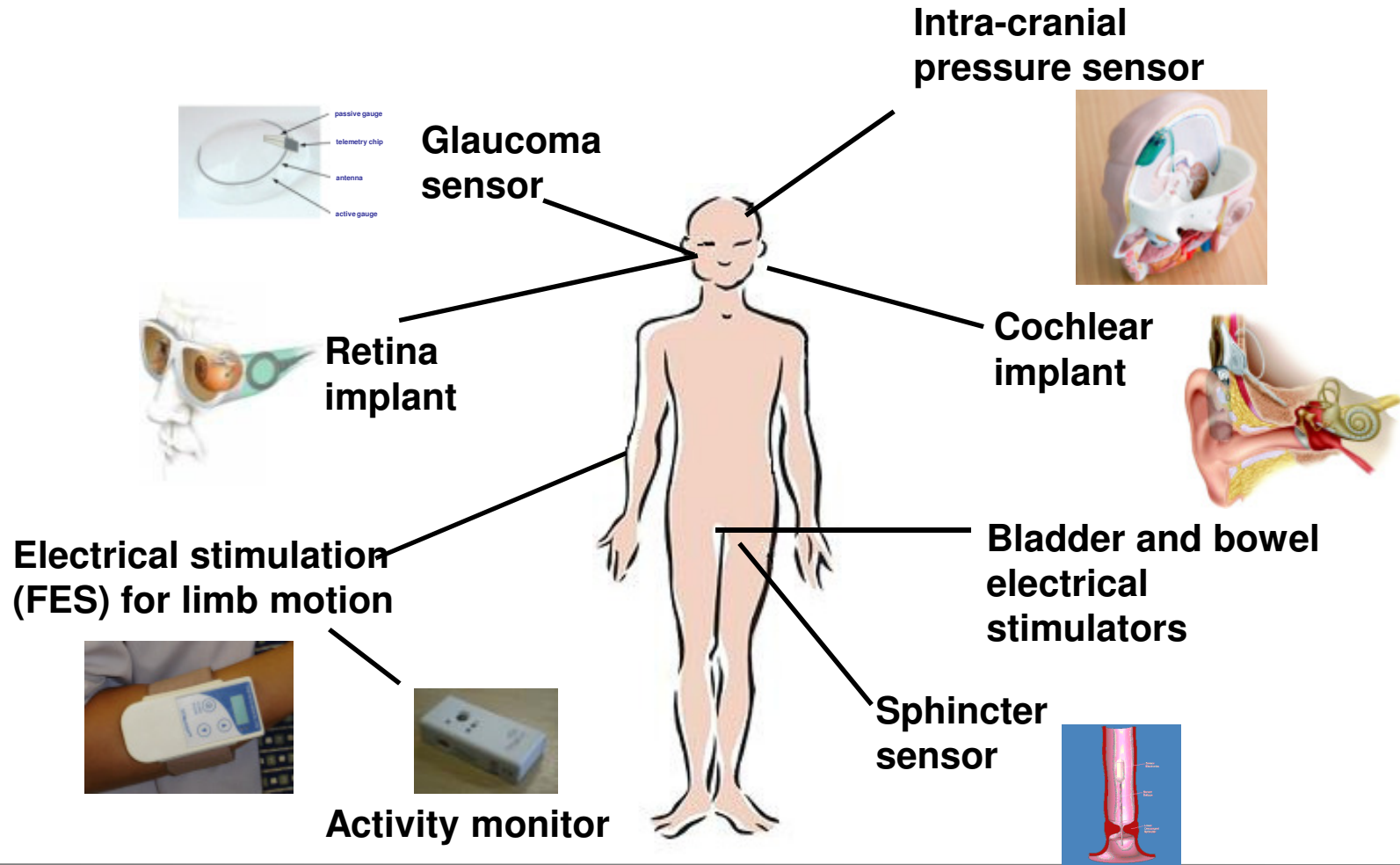
***National Contact Point***

***National Contact Points are a Technology Strategy Board Resource to assist UK Business in engaging with EU RTD Funding opportunities***



# Things that go wrong when we get older!





## Glaucoma sensor





- 4 year project
- 26M€ project, 16M€ funding
- 24 Partners:
  - Research Groups in micro and nano technology
  - Biomaterials experts
  - RF Communications experts
  - Power sources experts
  - Design teams
  - Medical Device manufacturers
  - Surgeons and clinical teams, including ethics



- Zarlink – a newcomer to Framework in 2003
  - Became Workpackage leader for Body Area Radio
  - Developed expertise in Body Area Radio
  - Were recruited by other consortia
  - Grew their Research Activity threefold
  - Have launched ‘body area radio’ specific chips
  - Company research activity in this area retained in Europe

*"I can now pick up the phone and discuss the direction of technology with senior R&D Directors across Europe, you can't put a price on that."*

*Martin Mc Hugh: Business and Product Development Manager*

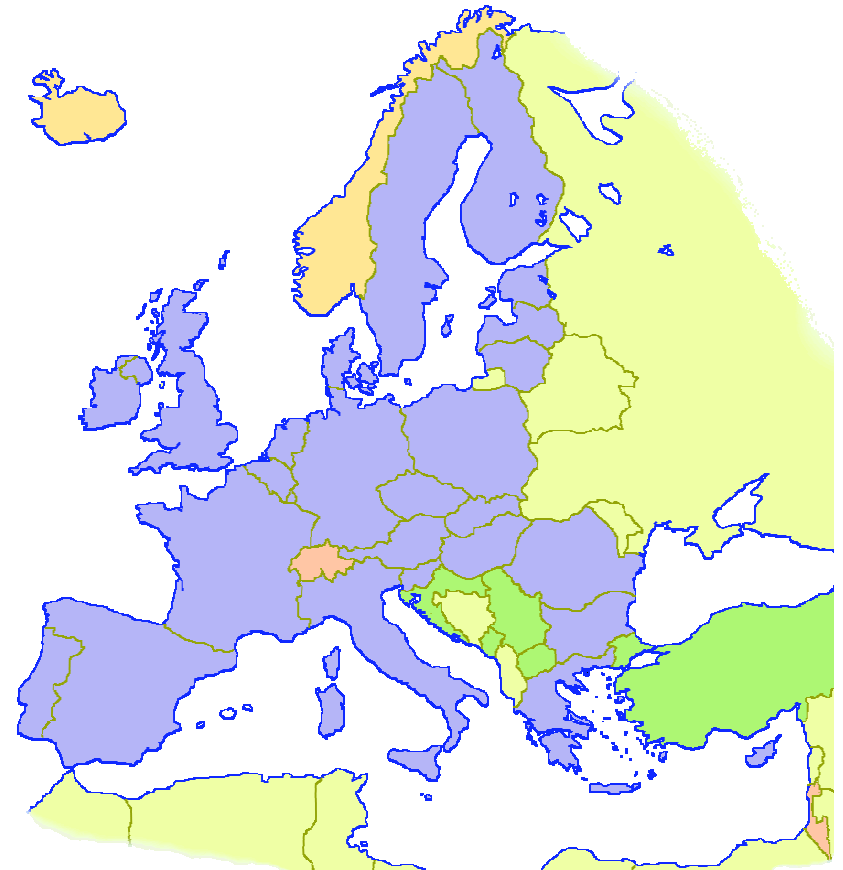


# EU Funded Collaborative Research

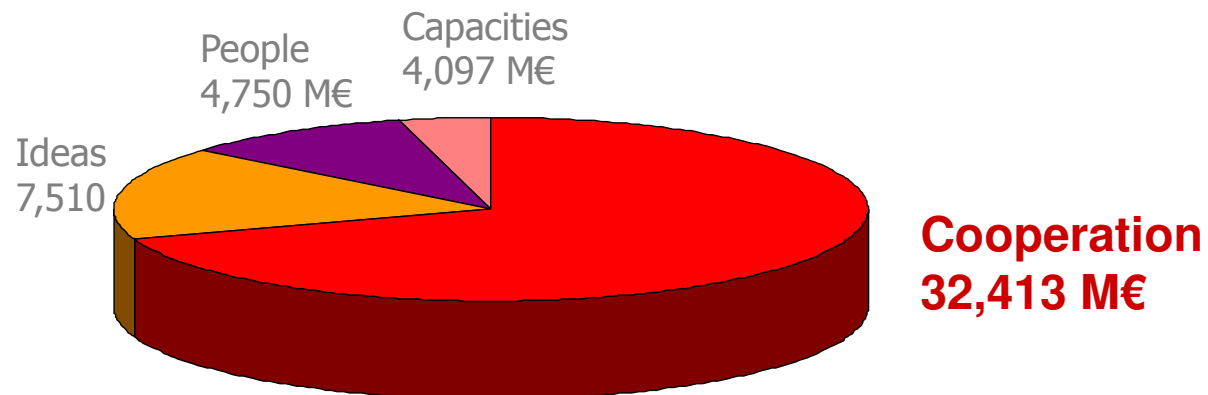
**Aimed at increasing European industry's competitiveness**

**Contributing to creating the most dynamic competitive knowledge-based economy in the world**

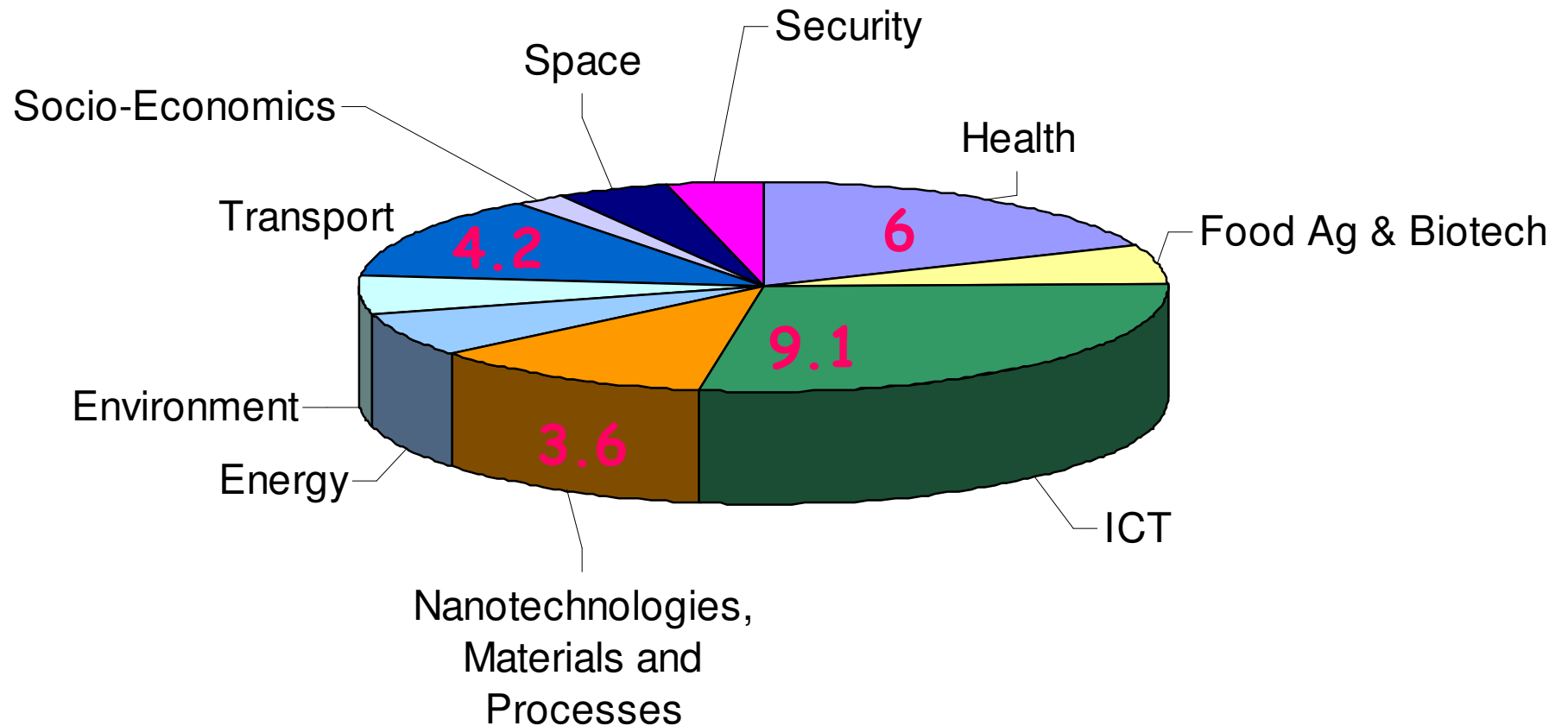
**Towards the creation of a single European Research Area**



## Research Framework Budget 2007-2013 ~ 52 B€



## Co-operation Programme: Budget breakdown



**Total Budget in Billions Euro 32.4**

## Funding Fundamentals

- Innovative Projects
- **50%** support – **75%** for an SME, academia, etc
  - The Commission give their fraction of what is spent – actual costs incurred
- Involving Partners from Multiple Countries – usually 3
- In Topics identified by The Commission's [Workprogramme](#)
- In response to specific calls for Proposals
- By means of a Grant Agreement with The European Commission



## Co-operation



- Access to missing skills
- Achieving new things
- Obtaining a different viewpoint
- Sharing development costs
- Building broader networks
- Learning about others
- To underpin a product that you can sell



**And getting some money to help you do it**

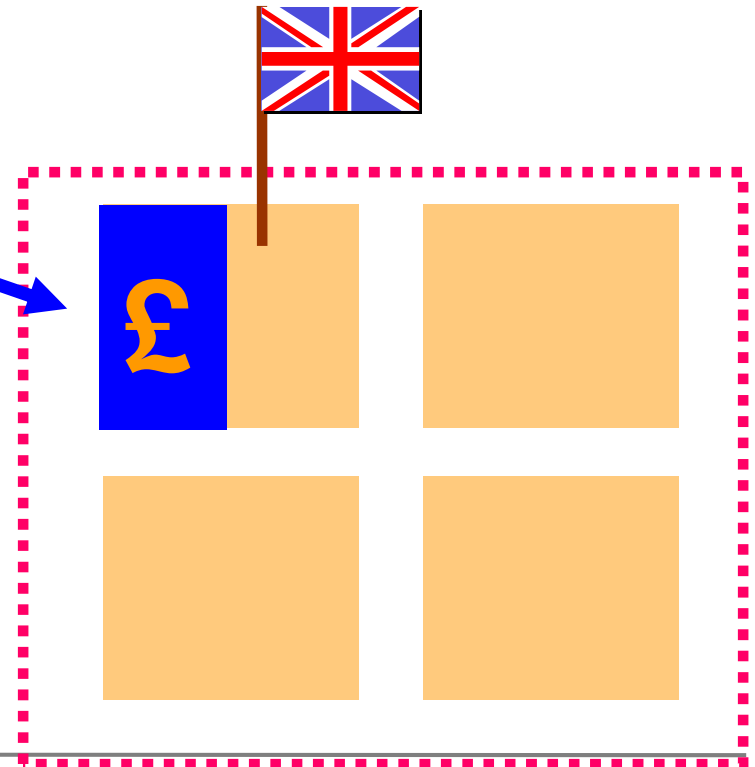
# Co-Financing

**4 Equal Participants**

**Single Participant's input**

**Equal rights of access**

**To product of total expenditure**

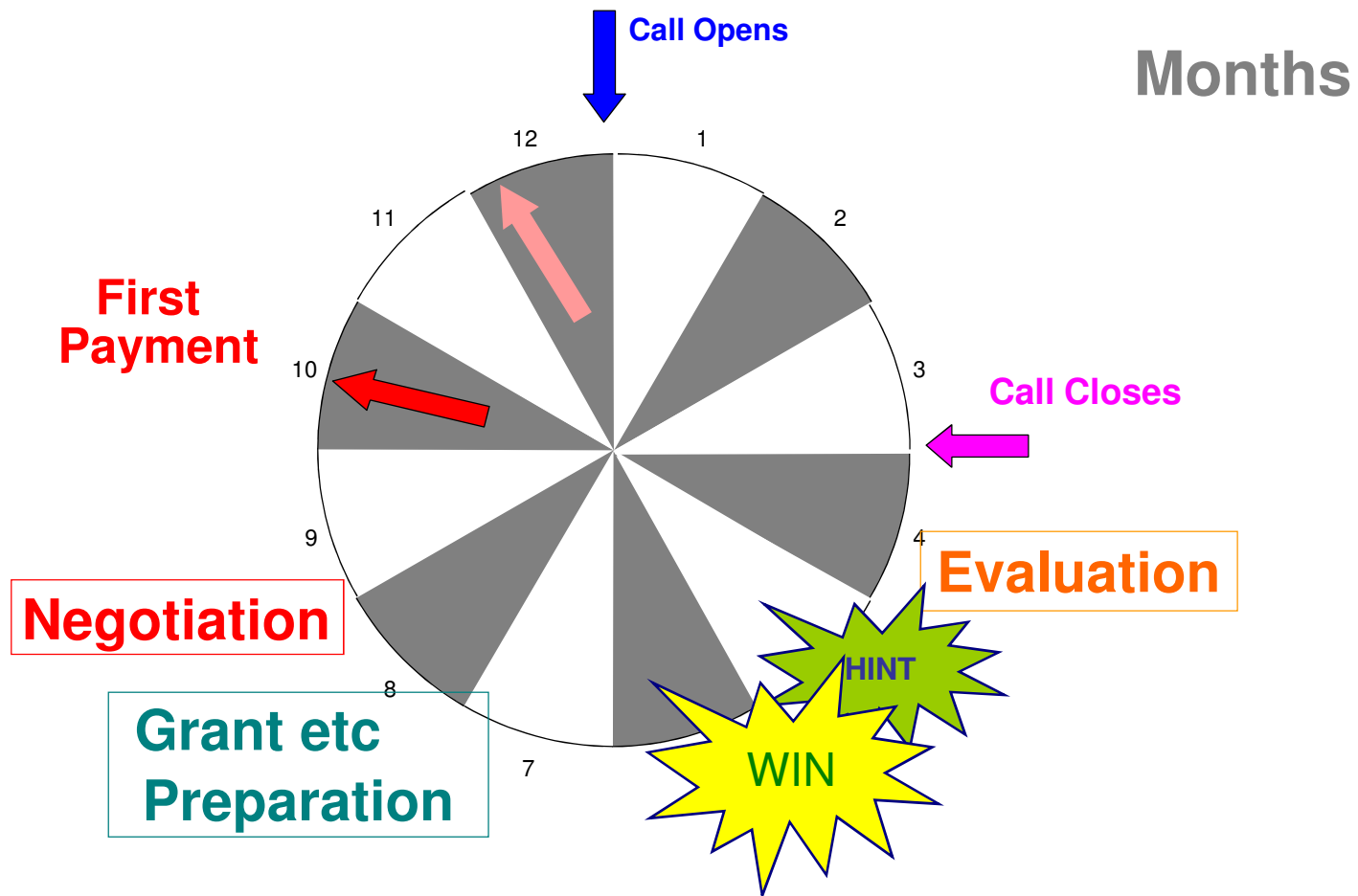


# Exploitation strategy is Essential

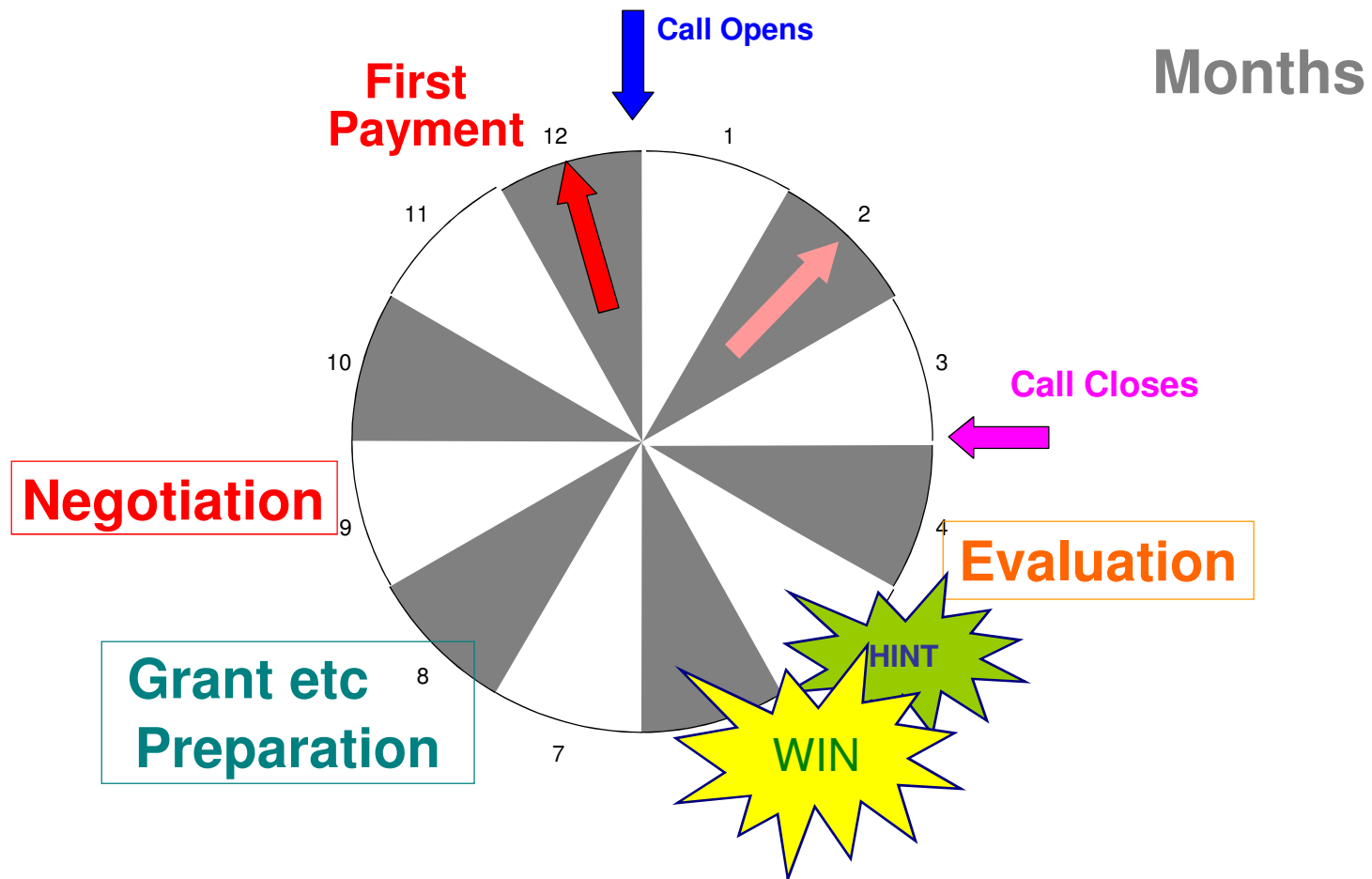


**Don't simply do it for the money!**

# Timing



# Timing



## The proposal process

- Calls for proposals
- Guides for Applicants
- Electronic submission only
- Evaluation by independent experts
  - Science, implementation, impact
- Evaluation feedback
- Only the best projects get funded!

**Read The Fine Manual !**



# Find your way around

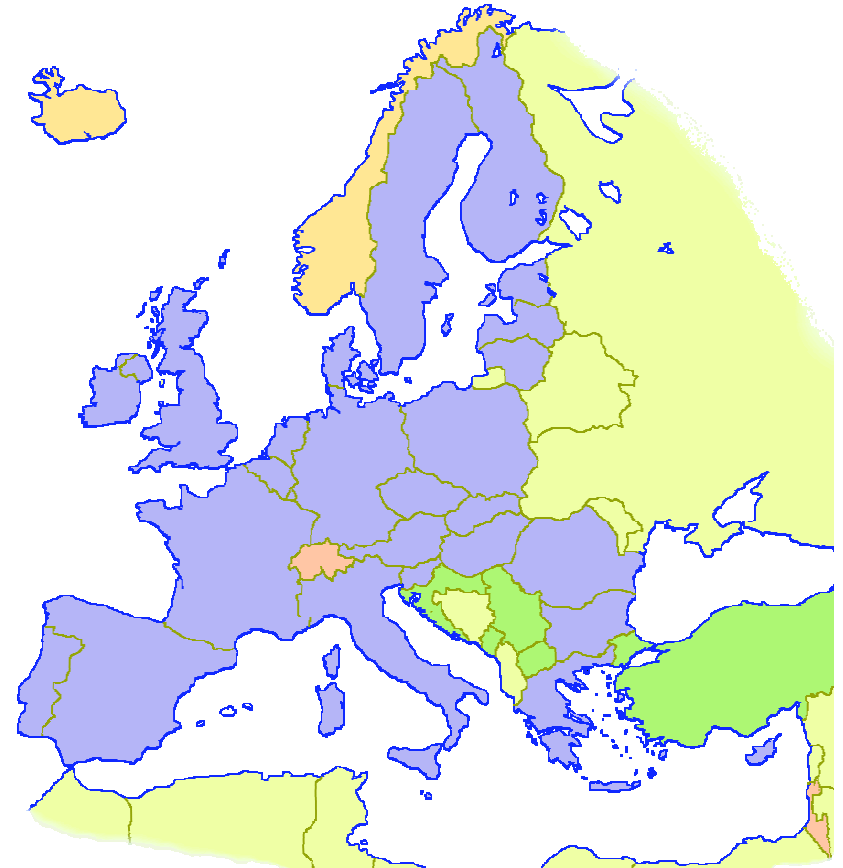
<http://cordis.europa.eu/fp7>

The screenshot shows the CORDIS website interface for the FP7. The top navigation bar includes 'Home', 'News', 'Funding', 'Results', 'Themes', 'Go local', 'Look it up', 'Interact', and 'Help'. A search bar is located in the top right. The main content area is divided into several sections:

- Left Sidebar:** A vertical menu with links such as 'FP7 Home', 'FP7 newssroom', 'Understand FP7', 'Participate in FP7', 'Find a call', 'Register your organisation', 'Preparation and Submission of Proposals (EPSS)', 'Get support', 'Find project partners', 'Find a project', and 'Find a document'. Below this are sections for 'Practical Guide to EU Funding', 'In the spotlight' (highlighting 'Health Week', Budapest, Hungary), and 'Independent FP7 experts'.
- Central Grid:** A 2x2 grid of colored boxes: 'Cooperation' (red), 'Ideas' (orange), 'People' (purple), and 'Capabilities' (pink). Below these are 'Europeans' (green) and 'ERC' (blue).
- Right Sidebar:** Contains a 'What type of user are you?' section with buttons for 'Private company', 'Public organisation', 'Individual researchers', and 'Outside the EU'. Below this is a 'Highlights' section listing several publications and reports.

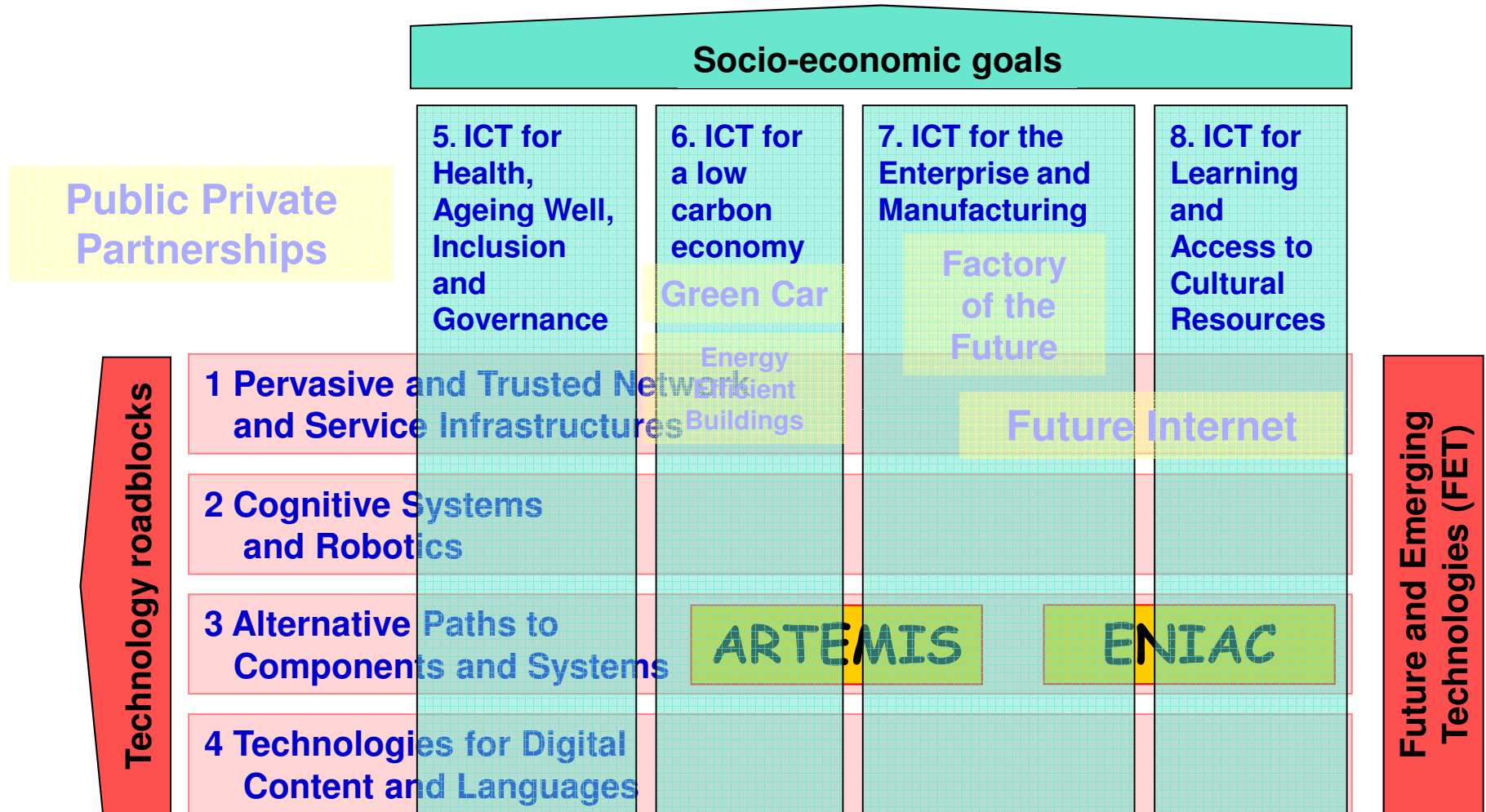
- FP7 Home
- FP7 newsroom
- Understand FP7
- Participate in FP7
- Find a call
- Register your organisation
- Preparation and Submission of Proposals (EPSS)
- Get support
- Find project partners
- Find a project
- Find a document

# The ICT Workprogramme



[ftp://ftp.cordis.europa.eu/pub/fp7/ict/docs/ict-wp-2011-12\\_en.pdf](ftp://ftp.cordis.europa.eu/pub/fp7/ict/docs/ict-wp-2011-12_en.pdf)

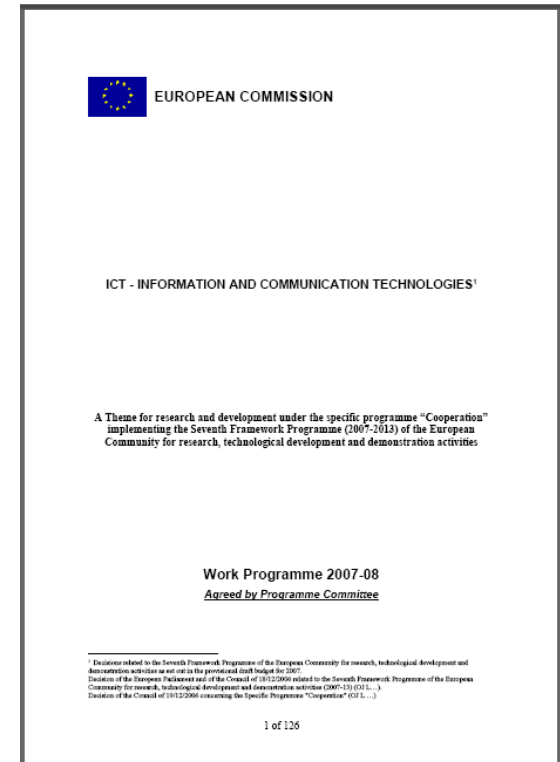
# FP7 ICT Areas of Research 2011-2012



# The ICT Workprogramme

2 Years, 2.4 B€

- **A set of Eight Challenges**
  - overcoming technology roadblocks
  - end-to-end systems targeting socio-economic goals
- **Each Challenge is composed of a set of Objectives**
- **An Objective is described in terms of**
  - target outcome
  - expected impact.
- **A total of 45 Objectives expressed within 8 Challenges**
- **Plus 22 in FET and Support measures**



# ICT Workprogramme 2011-12

Challenge		M€
<b>1</b>	<b>Pervasive and Trusted Network and Service Infrastructures</b>	<b>625</b>
2	Cognitive Systems and Robotics	155
<b>3</b>	<b>Alternative Paths to Components and Systems</b>	<b>402</b>
<b>4</b>	<b>Technologies for Digital Content and Languages</b>	<b>165</b>
5	ICT for Health, Ageing Well, Inclusion and Governance	260
<b>6</b>	<b>ICT for a low carbon economy</b>	<b>280</b>
<b>7</b>	<b>ICT for the Enterprise and Manufacturing</b>	<b>140</b>
<b>8</b>	<b>ICT for Learning and Access to Cultural Resources</b>	<b>100</b>
<b>9</b>	<b>Future and Emerging Technologies</b>	<b>261</b>
10	International Cooperation	15
<b>11</b>	<b>Horizontal Actions</b>	<b>19</b>
Budget 2011-12		2422

<b>Challenge 1</b>		<b>Pervasive and Trusted Network and Service Infrastructures</b>			
Obj No	Budget	Objective		Outcome	Call
<b>1.1</b>	<b>160</b>	<b>Future Networks</b>			<b>8</b>
			a	Wireless and mobile broadband systems	8
			b	High capacity end-to-end infrastructure technologies	8
			c	Novel Internet architectures and management and operation frameworks	8
			d	Flexible, resilient, broadband satellite communication	8
			e	Coordination and Support Actions and Networks of Excellence	8
<b>1.2</b>	<b>70</b>	<b>Cloud Computing, Internet of Services and Advanced Software Engineering</b>			<b>8</b>
			a	Cloud Computing	8
			b	Internet of Services	8
			c	Advanced software engineering	8
			d	Coordination and support actions	8
<b>1.4</b>	<b>80</b>	<b>Trustworthy ICT</b>			<b>8</b>
			a	Heterogeneous networked, service and computing environments	8
			b	Trust, identity and Privacy management infrastructures	8
			c	Data policy, governance and socio-economic ecosystems	8
			d	Networking and Coordination activities	8
<b>1.6</b>	<b>25</b>	<b>Future Internet Research and Experimentation (FIRE)</b>			<b>8</b>
			b	FIRE Federation	8
			c	FIRE Experimentation	8

## 1.4 Example project : SEPIA 257433 STREP



Increasing peoples trust in mobile and embedded devices used in services such as authentication, payment, e-Banking and e-Government applications. Using open platforms

[Web link](#)



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## Future calls???

- 1.3 – Internet connected objects
  - Context aware, reliable, distributed networks, smart devices and objects. Internet enabled services. Interoperability. Communications among networked objects in diverse geographical locations
- 1.5 – Networked media and search systems
  - Advanced digital media platforms, mobile platforms, location-based search...
- Future Internet Public Private Partnership (PPP)
  - Smarter public service infrastructures, Use cases/trials, mobile devices, content providers, media...
- 6.6 Low carbon multi-modal mobility and freight transport
  - Logistics management and tracking, energy-efficient driving...

---

## Future calls???

- Transport theme
  - Location-based applications (road, rail, marine, air), intelligent transport systems,
- Security theme
  - Current call – topics including GPS, UAVs (unmanned Aerial Vehicles), border surveillance, situational awareness... BUT, Closes 23 Nov!
  - Call 6, second half 2012
- ICT PSP – Policy Support Programme
  - Near market pilot projects, government & public services
  - Smart mobility, digital content, health, inclusion, internet enabled services

Choose the bit that works for you

If you've forgotten already....

# Introduction to the ICT workprogramme

Briefly outlines FP7

- Focuses on ICT
- Outlines the Challenges
- Lists the calls
- Lists the objectives
- Drills into Workprogramme text

<http://tinyurl.com/3xcnc3f>

**The DRILLABLE**

**ICT - Information and Communication Technologies**  
 A brief overview of Framework 7 ICT 2010-2012  
 Including PPPs

UK ICT NCP 19 May 2011

Collaborative Research enables organisations to develop the knowledge underpinning future products and services. It brings access to skills from a wider compass than may be directly available to the individual organisation, at the same time as enabling a wider outlet for skills and knowledge of their own. It delivers enhanced business networks, enables a broader world view and access to a greater marketplace.

The European Commission seeks to encourage collaborative research for the benefit of the population and the Competitiveness of European Industry. It does this by launching objective driven calls for proposals addressing particular technological challenges. The Collaboration Programme of the Seventh European Research Framework will spend 32 Billion Euros supporting Collaborative research over ten Thematic domains in the seven year period 2007-13

Thematic Domain	Color
Security	Grey
Space	White
Health	Orange
Food Ag & Biotech	Light Blue
ICT	Green
Energy	Yellow
Nanotechnologies, Materials & Processes	Dark Blue
Environment	Light Green
Socio-Economics Transport	Light Purple

**Projects and Funding.** Proposals in response to a Commission call involving at least three independent collaborating participants from different member or associated states have to be submitted electronically by a published date and time. These proposals are marked against published criteria by independent evaluators in the following six weeks or so. Those achieving highest scores subsequently enter negotiation of a grant agreement with the Commission.

Successful proposals result from understanding, excellence and a high degree of commitment in their writing, as calls are commonly oversubscribed.

Research projects - in a variety of forms and size: sharply focussed 'STREPS' or the more general Integrating Projects consume more than 90% of the available funding. Networks of Excellence deliver organisation and focus in specific fields, whilst Coordination and Support Actions underpin the organisation and success of the programme

1 of 6

## Call timetable

Call Title	Call date	Proposal Deadline	Budget M€
EU Russia Coordinated Call	20-Jul-10	14-Sep-10	4
"FET Flagship Initiatives"	20-Jul-10	02-Dec-10	10
"Factories of the Future" - 2011	20-Jul-10	02-Dec-10	80
"ICT for Green Cars"-2011	20-Jul-10	02-Dec-10	30
"Energy-efficient Buildings" - 2011	20-Jul-10	02-Dec-10	20
"Future Internet"-2011	20-Jul-10	02-Dec-10	90
FET Open	20-Jul-10	various	93
EU Brazil Coordinated Call	28-Sep-10	18-Jan-11	5
<b>ICT Call 7</b>	<b>28-Sep-10</b>	<b>18-Jan-11</b>	<b>778.5</b>
SME Initiative on Digital Content and Languages	01-Feb-11	28-Apr-11	35
<b>ICT call 8</b>	<b>20-Jul-11</b>	<b>17-Jan-12</b>	<b>785.5</b>
"Factories of the Future" - 2012	20-Jul-11	01-Dec-11	60
"ICT for Green Cars"-2012	20-Jul-11	01-Dec-11	30
"Energy-efficient Buildings" - 2012	20-Jul-11	01-Dec-11	30
<b>ICT call 9</b>	<b>18-Jan-12</b>	<b>17-Apr-12</b>	<b>291</b>
"Future Internet"-2012	18-May-12	29-Oct-12	80

Open Innovation Logout

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FP7UK » FP7UK ICT

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**5 May ICT news update**

**Budapest Brokerage**

**15 April Sustainability Info Day**

**Future Networks - Communications - Workshop**

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**Technology Strategy Board - News**  
19-May-2011

Search to begin for partners in Britain's first cell therapies technology and innovation centre

Technology Strategy Board to invest £5m into the 'Internet of Things'

Technology and innovation centres update

New centre to play vital role in future of health care

<https://ktn.innovateuk.org/web/fp7-ict/news>

## Summary

- Think about business benefit of participating
- Highly Competitive
- Big Projects £2M +
- Partnerships across Member states
- Long Timescales
  - A year to propose, evaluate and negotiate
  - 2 to 4 years to do
  - A year plus to market – Independent / combined

**Advice and Assistance:**

**FP7UK National Contact Point - ICT**

**Technology Strategy Board: Business Support Group: 0300 321 4357**

**ICT Web Presence** <https://ktn.innovateuk.org/web/fp7-ict>  
The NEWS tab carries latest news [ shortcut [http://tinyurl.com/ 3y8vpjy](http://tinyurl.com/3y8vpjy) ]  
Explanatory Document <http://tinyurl.com/38b47ne>

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