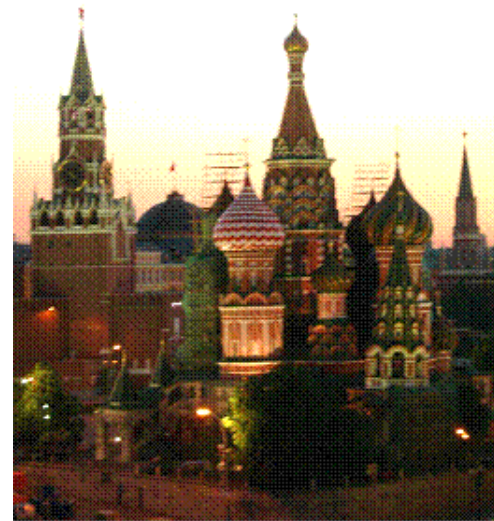


# EU-Russia Cooperation in Science & Technology

## State of the Art & Opportunities

Manuel Hallen  
Minister Counsellor  
Science & Technology  
Delegation of the European Union to Russia



# Why research at European level?



## European Research Area (ERA)

Article 179 (1) of the Lisbon Treaty (1 December 2009):

*The Union shall have the objective of strengthening its scientific and technological bases by achieving a European research area in which researchers, scientific knowledge and technology circulate freely, and encouraging it to become more competitive, including in its industry, while promoting all the research activities deemed necessary by virtue of other Chapters of the Treaties.*

# Why research at European level?



## European Research Area (ERA)

Concept of ERA can be likened to a “research and innovation” equivalent of the EU “internal market” for goods, capital, services and people.

**Purpose:** to increase competitiveness of European research institutions by bringing them together and encouraging a more inclusive way of work, through:

- *integrating the scientific resources of the European Union*
- *multi-national co-operation in science, research and innovation*
- *increased mobility of knowledge workers and deepened multilateral co-operation among research institutions among the Member States*
- *international / worldwide cooperation*

# The role of the European Framework Programmes for RTD



*The EU Framework Programmes (FPs) are the main instrument designated by the EU / Lisbon Treaty to support the concept of ERA*

European FPs bring down barriers

- **between countries:**
  - ➔ multinational consortia
  - ➔ researchers from any country in the world can participate
  - ➔ coordination among national funding programmes
- **between different types of organisations:** universities, research centres, SMEs, large companies, etc.
- **between disciplines:** increased focus on translational research
- **and encourage mobility:** Marie Curie fellowships available for researchers and for host institutes



# FP7 2007 –2013

## 4 Specific Programmes

plus JRC, nuclear and non-nuclear research (2.5 bn €)



### **Cooperation**

**32.3 billion €**

**Trans-national** cooperation in 10 research themes through multi-national **consortia**.



### **Ideas**

**7.5 billion €**

Funding for top researchers from anywhere in the World: investigator-driven “**frontier research**”, supported by an autonomous **European Research Council (ERC)**



### **People**

**4.7 billion €**

**Training, mobility, career development** of researchers, (“**Marie Curie**” actions) - incl. **International grants**



### **Capacities**

**4.2 billion €**

**Research infrastructures**; research specifically for **SMEs**; regional research driven **clusters**



# FP7 “Cooperation”

## Thematic Priorities:

Billion Euro

1.	Health	6,0
2.	Food, agriculture & biotechnology	1,9
3.	Information & communication technologies	9,1
4.	Nanotechnologies & materials	3,5
5.	Energy	2,2
6.	Environment	1,9
7.	Transport	4,1
8.	Socio-economic sciences	0,6
9.	Security & 10. Space	2,9

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 $\Sigma$   
22,2

***The FP currently manages only about 6% of total public R&D investment in the European Union***





## FP7 “Ideas”

# European Research Council (ERC)

- To support investigator-driven frontier research over all areas of research → bottom up approach
- By individual teams
- Excellence as sole criterion
- Autonomous scientific governance
- Simple, user-friendly delivery
- Team Leader (“Principal Investigator”) assembles his/her research group; freedom to choose the research topic; members may be drawn from one or several legal entities, from within or across national boundaries including 3<sup>rd</sup> countries



# FP7 “People”

## Marie Curie Actions - Fellowships, Grants, Awards

- **Initial training**
  - Initial Training Networks (ITN)
- **Life-long training and career development**
  - Intra-European Fellowships (IEF)/ Career Integration Grants (CIG)
  - Co-funding of regional/national/international programmes (COFUND)
- **Industry dimension**
  - Industry-Academia Partnerships and Pathways (IAPP)
- **International dimension**
  - International Outgoing & Incoming Fellowships (IOF & IIF)
  - International Staff Exchange Scheme (IRSES)
- **Policy support actions**
  - Mobility and career enhancement actions





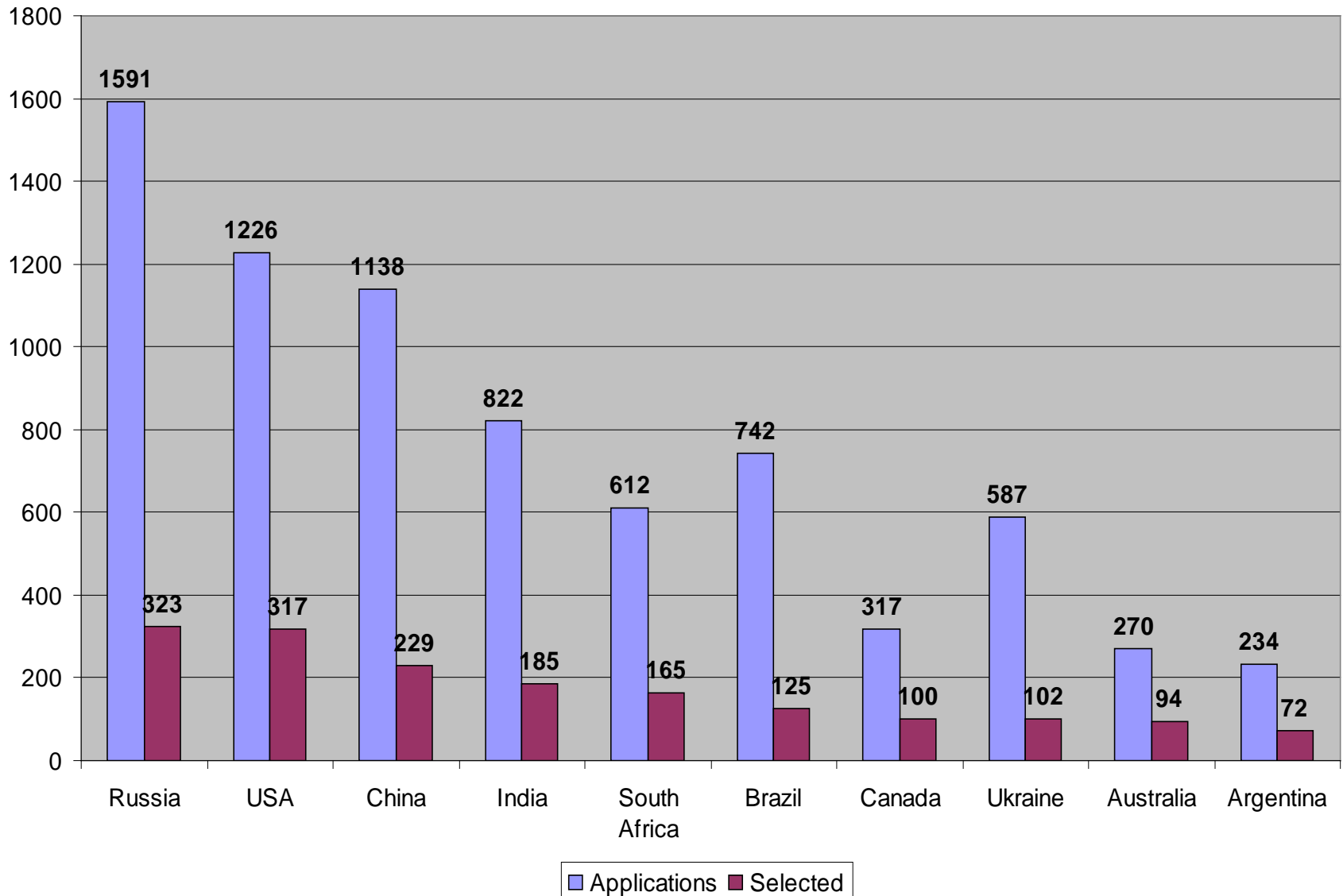
# FP7 “Capacities”

- Research infrastructures
- Research for the benefit of SMEs
- Regions of Knowledge
- Research Potential
- Science in Society
- Coherent development of policies
- Activities of International Cooperation

# Int'l Partner Countries Participation in FP7:

## Applications Submitted and Retained

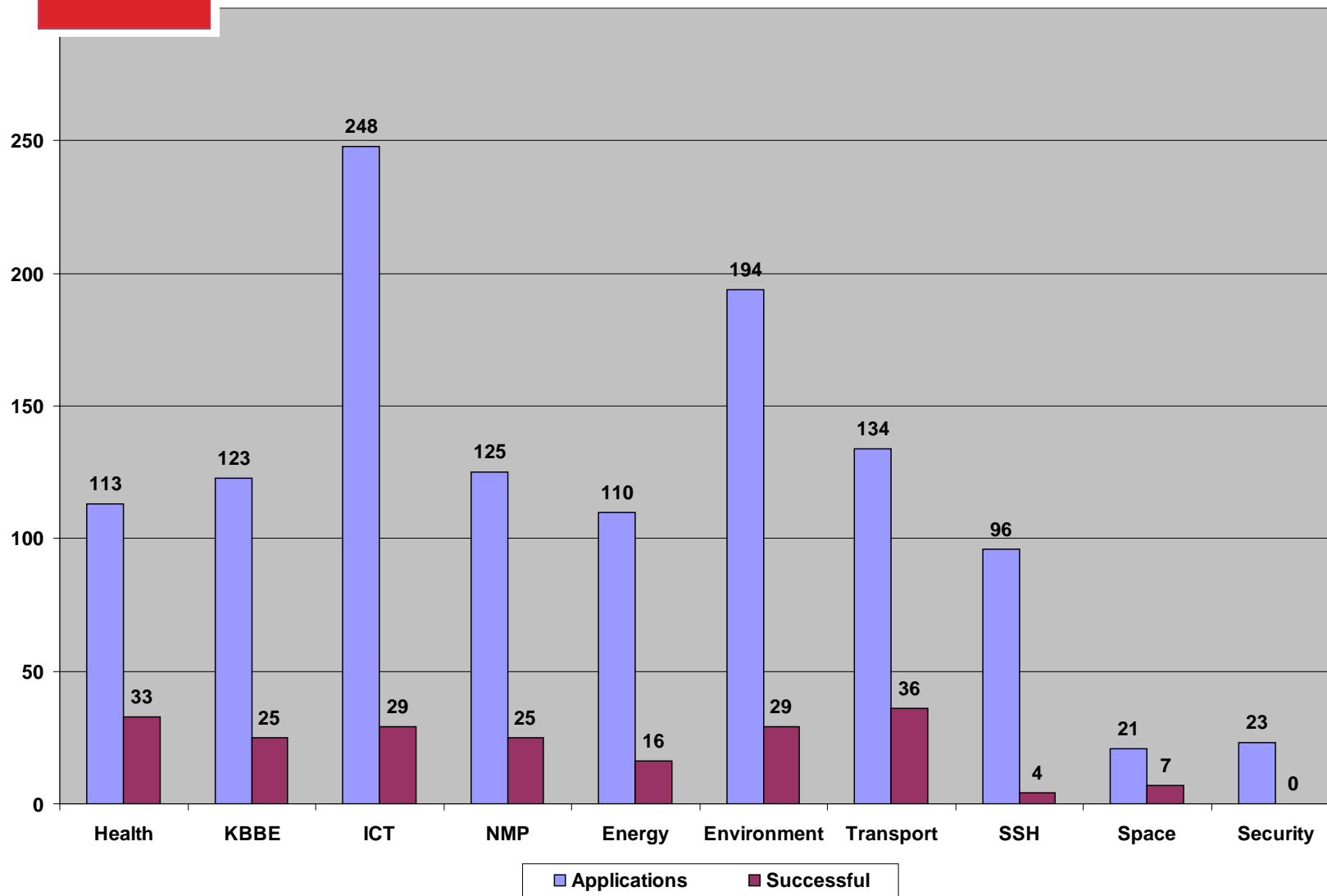
### Cooperation, Capacities and Euratom Programmes 2007 - 2010

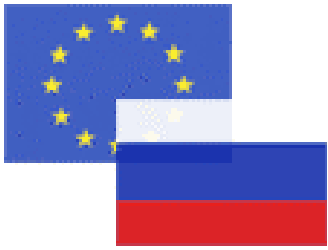




# Russia: in Cooperation Programme 2007-2010

## Applications Submitted and Retained (by thematic area)





## Russia in the 7th EU Framework Programmes for RTD (2007-2013)

**By 2011 :**

- Overall, Russia is the most active international partner country
- 440 Russian participants in 288 projects, receiving > € 56.2 million EU funding
- Highest participation in *Health, Transport, Agri-Biotech-Food* and *Nanotechnologies / materials* research



# FP7 Work Programmes 2012

- Published : 19 July 2011  
<http://ec.europa.eu/research/participants/portal>
- Contain full information on the calls for proposals open in 2011-2012
  - Details of topics and expected impacts, budgets and timing of calls etc.
- Work programmes of actions of over €7 billion, including:
  - 39 calls issued on 20 July 2011 with budget of €5.31 billion
  - Additional 15 calls for €1.74 billion to be issued in 2011-2012
  - Other non-call activities also included

# Participant Portal

## Research & Innovation - Participants

European Commission > Research & Innovation > Participant Portal

**LOGIN**

Login

Authentication and security help is available [here](#).

**STAY TUNED**

| [What is RSS?](#)

**E-mail Notification**

**NEED HELP?**

- See the [online user manual](#)
- You can consult [FAQS](#)
- Watch the demonstration of the Participant Portal: - [Introduction](#)
- If you cannot find an answer there, then submit your question via the [eFP7 service desk](#)

[read more](#)

**WHAT'S NEW**

**Participant Portal V3.1.1 (07/2011)**

- The **Participant Portal** has become the European Commission's single authoritative website for the **publication of FP7 calls**. The FP7 call-related information is no longer

Home My Organisations FP7 Calls Support

Latest Info **Cooperation** Ideas People Capacities Euratom Search Calls

**BROWSECALLS**

Open Closed Forthcoming

- Health / 3 open calls
- Information and Communication Technologies / 5 open calls
- Nanosciences, Nanotechnologies, Materials and new Production Technologies - NMP / 8 open calls
- Energy / 6 open calls
- Environment (including Climate Change) / 4 open calls
- Transport (including Aeronautics) / 8 open calls
- Food, Agriculture and Fisheries, and Biotechnology / 2 open calls
- General Activities / 1 open calls
- Socio-economic sciences and Humanities / 3 open calls
- Space / 1 open calls
- Security / 1 open calls
- Joint Technology Initiatives (Annex IV-SP1) / 3 open calls

**Health** ([back to top](#))

**Call for proposals**

Show  entries Search:

Call Identifier	Call Title	Publication Date	Deadline
<a href="#">FP7-ERANET-2012-RTD</a>	ERA-NET Call 2012	2011-07-20	2012-02-28
<a href="#">FP7-HEALTH-2012-INNOVATION-1</a>	HEALTH-2012-INNOVATION	2011-07-20	2011-10-04
<a href="#">FP7-HEALTH-2012-INNOVATION-2</a>	FP7-HEALTH-2012-SMES-FOR-INNOVATION	2011-07-20	2011-09-27

Showing 1 to 3 of 3 entries [First](#) [Previous](#) 1 [Next](#) [Last](#)

**Information and Communication Technologies** ([back to top](#))

**Call for proposals**



# International Cooperation in FP7

## 3 different avenues:

### 1. All activities open for International Cooperation

- International Cooperation Partner Countries (ICPC) can participate in projects and receive EU funding (Russia = ICPC)
- Industrialised countries may get EU funding if their participation is seen as essential for the project or if provided for in the call
- Minimum number of participants: 3 from MS/AC + ICPC

### 2. Specific International Cooperation Actions (SICA)

- Address specific issues that partner countries face or have a global character, on the basis of mutual interest and benefit
- Minimum number of participants: 2+2 (2 from MS/AC + 2 from ICPC – in Russia = 2 regions / Oblasts)

### 3. Bilateral agreements for targeted co-funding

- Individual agreements with specific countries, e.g. Russia



# International Cooperation

- Two calls - €32 million
- Deadline: 15-11-2011
- Bilateral coordination for the enhancement and development of S&T partnerships (BILAT)
  - Targeted at Argentina, Australia, Brazil, Chile, China, India, Jordan, Mexico, Morocco, New Zealand, **Russia**, South Africa, South Korea, Ukraine, and USA
- Activities to include:
  - Supporting EU-Russian institutional dialogue
  - Promoting FP and bilateral cooperation, joint activities etc
  - Monitoring progress in bilateral S&T cooperation
  - Supporting FP Contacts
  - Analysing innovation measures, national innovation systems, framework conditions for research and innovation
  - Promoting twinning of research organisations
  - Studying feasibility of establishing a joint European liaison office



## Further Information about current projects facilitating Russian participation in FP7

EECA INCONET: [www.inco-eeca.net/](http://www.inco-eeca.net/)

ERANET-RUS: [www.era.net-rus.eu/](http://www.era.net-rus.eu/)

BILAT-RUS: [www.bilat-rus.eu/](http://www.bilat-rus.eu/)  
[www.st-gaterus.eu/](http://www.st-gaterus.eu/)

ACCESS-RU: [www.access4.eu/russia/index.php](http://www.access4.eu/russia/index.php)

# Europe 2020 Strategy for Growth



[http://ec.europa.eu/europe2020/index\\_en.htm](http://ec.europa.eu/europe2020/index_en.htm)

## Seven Flagship Initiatives

1. ***Innovation Union*** - re-focussing R&D and innovation policy on major challenges
2. ***Youth on the move*** - enhancing quality and int'l attractiveness of Europe's higher education system
3. ***Digital agenda for Europe*** - Digital Single Market based on ultra fast internet
4. ***Resource-efficient Europe*** - shift towards resource efficient / low-carbon economy.
5. ***Industrial policy for green growth***
6. ***Agenda for new skills and jobs*** – modernising labour markets
7. ***European platform against poverty***



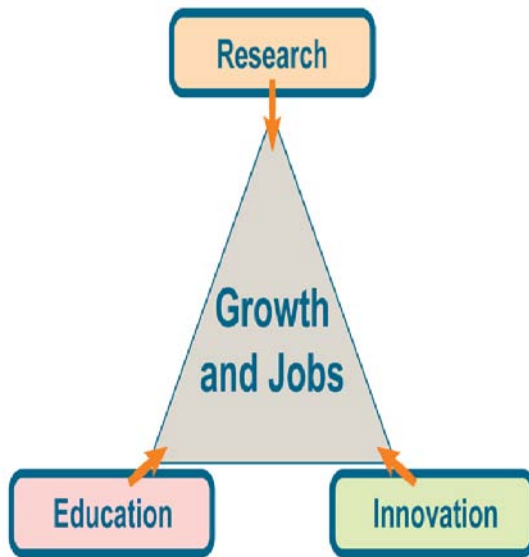
# Europe 2020 Flagship Initiative

## Innovation Union

[http://ec.europa.eu/research/innovation-union/index\\_en.cfm](http://ec.europa.eu/research/innovation-union/index_en.cfm)

1st European Innovation Convention on 5 / 6 December in Brussels

[http://ec.europa.eu/research/innovation-union/ic2011/index\\_en.cfm](http://ec.europa.eu/research/innovation-union/ic2011/index_en.cfm)



### Key measures:

- Strengthening the knowledge base
- Getting good ideas to the market
- Social and territorial cohesion
- European Innovation Partnerships
- International cooperation



# International Cooperation is Key to “Innovation Union”

## Key issues

- Third countries perceive the European Union as 27+1 (EC), i.e. 27 individual countries plus EU, not one major partner
- Europe's openness is not always reciprocated
- Global challenges require a global response

## Key measures

- Coordination of priorities European plus 27 Member States for cooperation with third countries (2012)
- Agree on international infrastructures with world partners (2012)

# Horizon 2020

## The next Framework Programme for Research and Innovation (2014-2020)

- New, integrated funding system that will cover all research and innovation funding currently provided through:
  - Framework Programme for Research and Technical Development (FP)
  - Competitiveness and Innovation Framework Programme (CIP), and
  - European Institute of Innovation and Technology (EIT)
- Consultation and adoption procedure 2012 - 2013
- Budget proposed in MFF in June 2011: €80.2 billion

# European Research Information



- **EU Research & Innovation**  
<http://ec.europa.eu/research>

- **Innovation Union**  
[http://ec.europa.eu/research/innovation-union/index\\_en.cfm](http://ec.europa.eu/research/innovation-union/index_en.cfm)



- **Seventh Framework Programme**  
<http://ec.europa.eu/research/fp7>

- **FP7 Calls for Proposals and information on research programmes and projects:**  
<http://ec.europa.eu/research/participants/portal>

- **Experts' registration in FP**  
<https://cordis.europa.eu/emmp7/index.cfm>

**Thank you**