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# The EU 7th Framework Programme for Research & Technological Development: The International Dimension

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# Outline

- Ø What are the EU Framework Programmes for Research & Technological Development?
- Ø Why international scientific cooperation?
- Ø Why should EU invest in international scientific cooperation?
- Ø The story so far
- Ø “What & How” in FP7?
- Ø Some tips for participation



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## The EU Framework Programmes (FP) for Research & Technological Development

- Largest competitive R&D programme worldwide
- To strengthen the EU's S&T base and thus to support the competitiveness of European industry
- Basic concept: **trans-national collaboration**
- Thematic programmes in all S&T areas
- Special programmes for researcher mobility, research infrastructure, SMEs, capacity building,...
- Annual budget:
  - FP6 (2002-2006): ~ € 4.5 billion
  - FP7 (2007-2013): ~ € 7.2 billion



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## The EU FP6 (2003-2006)

- **Budget: Euro 17.2 billion (~Euro 4.5 billion/year)**
  - 7 thematic priorities
    - Genomics & biotechnology for health
    - Information Society Technologies
    - Nanotechnologies, Materials, new production systems
    - Aeronautics and space
    - Food quality and safety
    - Sustainable development (energy, transport, climate change)
    - Citizens and governance in the knowledge society
  - Mobility of researchers
  - Specific activities for international cooperation (INCO)
- **INTAS** – scientific cooperation with NIS
- + **EurAtom FP (2003-2006): Euro 2.75 billion**



# The EU FP7 (2007-2013)

- **Budget: Euro 50.2 billion (~Euro 7.2 billion/year)**
  - 10 thematic priorities Euro 32.25 billion
    - Health
    - Food, agriculture, Biotechnology
    - Information and Communication Technologies
    - Nanotechnologies & -sciences, Materials, New Production Systems
    - Energy
    - Environment (including climate change)
    - Transport (including Aeronautics)
    - Social and economic sciences and humanities
    - Space
    - Security
  - Frontier Research Euro 7.46 billion
  - Mobility of researchers Euro 4.57 billion
  - Capacity building Euro 4.19 billion
  - Joint Research Centre Euro 1.75 billion

**+ EurAtom FP (2007-2011): Euro 4.06 billion**



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## Why International Scientific Cooperation?

**21st century: a new reality has emerged**

- ∅ **Scientific research itself is increasingly international**
- ∅ **The scientific challenges are more global**



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## Why is S&T critical in the 21st century?

- ∅ Engages with other countries in addressing global problems as a global community
- ∅ Promotes global access to information and knowledge
- ∅ Provides essential input to development goals and International Commitments
- ∅ Promotes science/evidence-based decision-making on a global scale
- ∅ Promotes cultural exchange and understanding



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## Aims of EU research with “third countries”

- ∅ **Support European competitiveness** through strategic partnerships with third countries in selected fields of science
- ∅ **Address specific problems** facing third countries on the basis of mutual interest and mutual benefit
- ∅ **Address global challenges** as part of the EU’s international commitments (e.g., the UN Millennium Declaration)
- ∅ S&T cooperation to reinforce the EU’s **external relations** and other relevant policies





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## International Scientific Cooperation: The story so far

1983	STD	All countries - agriculture, health
1984	ISC	Bilateral agreements - specific to country
1992	INCO	"Rio Summit", follow-up Maastricht Treaty
	INCO-DC	Health, agriculture, natural resources
	INCO-Copernicus	Russia + NIS
	INCO-MED	Water, cultural heritage, public health & disease control, environmental sustainability
1998	INCO-2	Health, agriculture and natural resources
2002	INCO-FP6	ERA Thematic priorities. Specific programme Mobility of researchers
1993-2006	INTAS	Science cooperation EU - NIS
2007	FP7	Open to all - International Cooperation is not only INCO



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# Third Country Participation in FP6 and International Cooperation

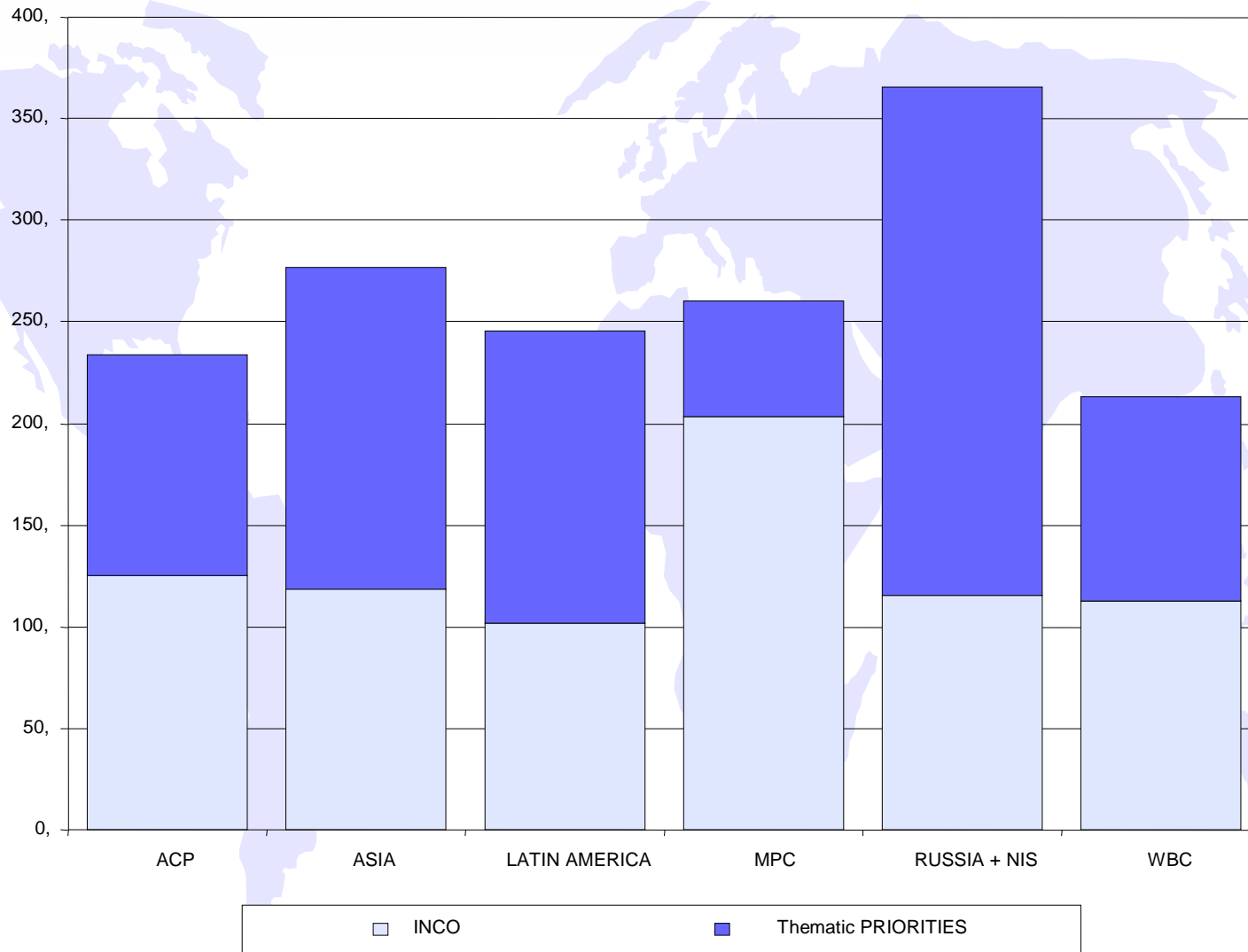
Preliminary results



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## Participations of INCO group of countries in **FP6 INCO** (specific actions) *and* in **FP6 Thematic Priorities** (contracts) - overall as per 02/2006





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## FP7 – Specific Programmes

***Cooperation* – Collaborative research**

***Ideas* – Frontier Research**

***People* – Human Potential**

***Capacities* – Research Capacity**

+

JRC (non-nuclear)

JRC (nuclear)

Euratom



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**FP7 2007 – 2013**

## **International Scientific Cooperation**

**Cooperation SP** will support the bulk of international S&T cooperation activity (real research) inside the thematic areas (2 mechanisms: opening of mainstream activities *and* specific cooperation actions with mutual interest and benefit)

**Capacities SP** is open to the participation of third countries through Research Infrastructures, SMEs and Science in Society.

It also has dedicated international cooperation activities which will support policy-making & priority setting, which will shape the thematic areas' approach



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**FP7 2007 – 2013**

## **International Scientific Cooperation**

**People SP** will keep the good tradition of Marie Curie international fellowships: incoming and outgoing fellowships and countries with S&T agreements

**Ideas SP** will offer the possibility for individual research teams to invite third country researchers on the merit of their scientific excellence



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**FP7 2007 – 2013**

## **International Scientific Cooperation Principles**

- Ø Competitive advantage for Europe**
- Ø Mutual benefit and interest**
- Ø Critical and specific need**



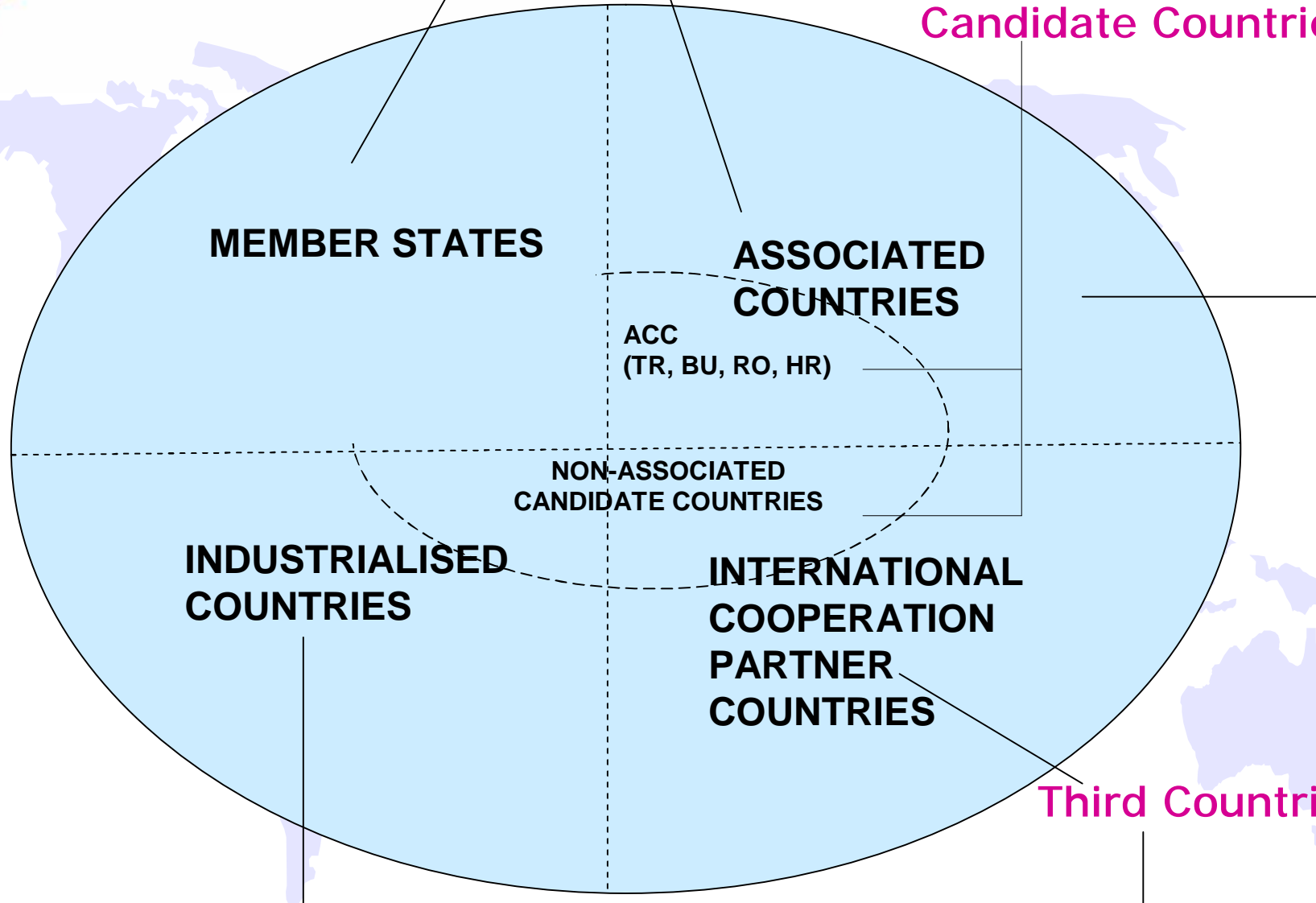
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# FP7 – Participating countries

Full participants of FP7

Candidate Countries



Third Countries





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# International Scientific Cooperation

## “Third Countries”

Industrialised countries

Associated countries

International Cooperation Partner Countries (ICPC)

§ Mediterranean partner Countries,

§ Western Balkans,

§ Eastern European and Central Asian countries

§ ACP, ASIA, Latin America

Emerging economies (e.g. China, India, Brazil, Russia, South Africa) – ENP (MPC, EECA excl. Russia)



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## International Scientific Cooperation

### International Cooperation Partner Country (ICPC)

An ICPC is a “third country” which the Commission classifies as low-income, lower-middle-income or upper-middle-income country and which is identified as such in the FP work programmes.



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# International Cooperation in SP “Cooperation”

## 2 mechanisms:

### 1. The opening of all activities to third countries

- Ø ICPC and Industrialised countries can in principle participate in all themes
- Ø ICPC may be funded in all cases, while Industrialised countries only if indispensable
- Ø In some areas of mutual interest within a Call, the participation of third countries may be encouraged
- Ø The rule of “2+2” does not apply

∨ As in FP6



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## International Cooperation in SP “Cooperation”

2. Specific co-operation actions in each thematic area dedicated to ICPC:

- ∅ Dedicated calls or separate dedicated parts of calls targeted to ICPC countries within each and every theme
- ∅ The rule of “2+2” applies
- ∅ Specific evaluation criteria
  
- ✓ The same concept & principles as INCO in FP6
  - now to be implemented by the thematic areas
- ✓ But FP6-INCO focused on only 3 topics



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## International Cooperation in SP “Capacities”

Coordination of the international cooperation actions under the different programmes and across the thematic areas

**SP Capacities – *the vehicle for this coordination activity***

### **Aim :**

To strengthen overall coordination to ensure a coherent approach & develop synergies with other European Community policies (external relations, development, trade, environment...)



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## International Cooperation in SP "Capacities"

### 3 activities:

- Ø Policy Dialogue
- Ø S&T Cooperation Partnerships
- Ø Coordination of National Policies & Activities

**Indicative budget € 182 million for 7 years**



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# International Cooperation in SP “Capacities”

## 1. Build or reinforce bi-regional (EU+ 3rd countries) policy dialogue

- Mapping of research needs & setting priorities & facilitating implementation
- Definition of S&T cooperation policies
- Linking S&T cooperation to other policies (e.g. the 7 new external cooperation programmes)
- Activities covering global challenges or international commitments

=> CA (INCO-NET) & SSA



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## International Cooperation in SP "Capacities"

### 2. Development of S&T Cooperation Partnership:

- § Bi-lateral dialogues, coordination of policy initiatives
- § Countries with S&T Agreements
- § Support actions
- § Specifically focused international activities (e.g. information and awareness activities, the establishment and reinforcement of information services (offices), building partnerships....)

=> **SSA**





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# International Cooperation in SP “Capacities”

## 3. Supporting coordination of national policies and activities on international S&T cooperation:

Essential to fulfil commitments made through the S&T bi-regional and bilateral dialogues

- § Set clear common goals, strategies and policies (amongst MS + participation 3rd countries)
- § Facilitate development and implementation of coherent cooperation strategies at EU level international S&T policy

=> CA (ERA-NET)/SSA



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## Further information

**INCO infodesk:**  
[inco@cec.eu.int](mailto:inco@cec.eu.int)

**INCO portal:**  
[http://cordis.europa.eu/inco/home\\_en.html](http://cordis.europa.eu/inco/home_en.html)

**(Russian) National Contact Points:**  
[http://cordis.europa.eu/fp6/third\\_countries.htm](http://cordis.europa.eu/fp6/third_countries.htm)  
[http://www.intas.be/index.asp?s=1\\_1&uid=](http://www.intas.be/index.asp?s=1_1&uid=)

**International scientific cooperation policy:**  
[http://europa.eu.int/comm/research/iscp/index\\_en.html](http://europa.eu.int/comm/research/iscp/index_en.html)



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## Russian FP6 National Contact Points

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## The EU Framework Programme for Research & Technological Development: Tips for participation 1

- **Step 1: Find a good European project coordinator / partner**
- **Step 2: Prepare your proposal**
- **[Step 3: Inform the Russian Ministry of Science & the EC Delegation]**



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## The EU Framework Programme for Research & Technological Development: Tips for participation 2

- **How to find a partner:**

- <http://cordis.europa.eu.int/>: Find a partner, EOI
- scientific colleagues & friends
- conferences
- information meetings
- use your existing contacts (INCO, INTAS, ISTC,...)

- **How to contact a potential partner:**

- who you are, your expertise
- your research idea
- your cooperation idea
- funding is available (= > FP!)





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## The EU Framework Programme for Research & Technological Development: Tips for participation 3

- Act fast
- Read the call announcement carefully
- Be concise and novel
- Strictly observe application deadlines
- Don't worry about application forms
- Evaluation criteria: Scientific Quality –  
Relevance- Management



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## The EU Framework Programme for Research & Technological Development: Tips for participation 4

- **How to help the coordinator to write the proposal:**
  - your research contribution
  - description of your institution
  - CVs of key researchers
  - importance of the project to Russia
  - economic and social impact of the project
  - how to exploit the results
  - list of references and related projects
  - budget
  - illustrations
  - overall context



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## The EU Framework Programme for Research & Technological Development: Tips for participation 5

- Put your proposal aside for a week – then read & check it again!
- Ask independent colleagues to do mock evaluations, based on the evaluation published criteria!
- Become an evaluator for European programmes yourself!
- If you are not successful with a proposal, keep trying!



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## A supportive political environment for EU-Russia scientific cooperation

- **EU-Russia S&T Cooperation Agreement (2003)**
- **EU-Russia Common Space of Research, Education & Culture (2005)**  
**Cooperation in priority areas:**
  - Life Sciences
  - Information Society Technologies
  - Nanotechnologies, New Materials
  - Clean and renewable energies
  - Space



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**Good luck!**

**J**