



# Space Research

Work Programme 2007  
and first Call for Proposals

Seventh  
Framework  
Programme  
2007-2013

***Infoday, 16 Mayo 2007***



# Content

- FP7 and overall approach of the Space theme
- Content of the 2007 Work Programme
- Information on the 2007 Call for Proposals



# Organización del CDTI





# ESA role in FP7 Space Call

## “Strengthening Space Foundations”



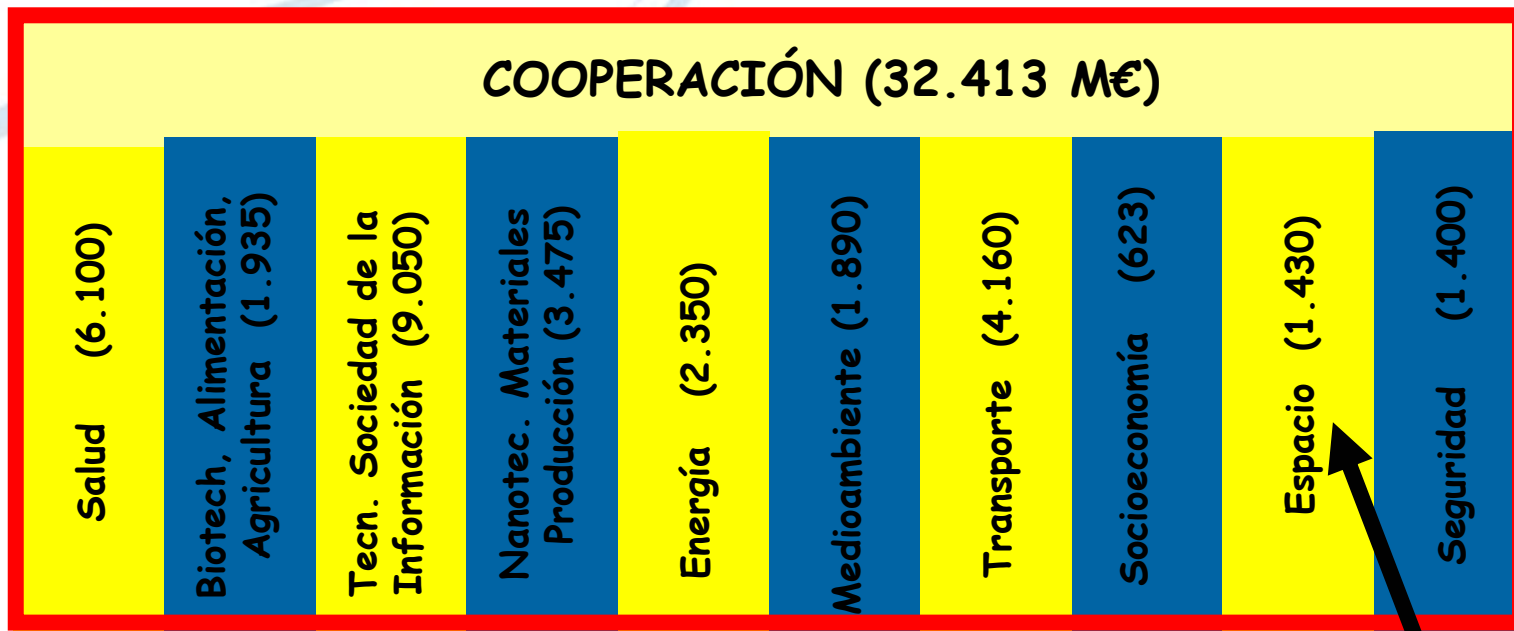
- ESA will nominate experts for the evaluation of proposals
- ESA will provide technical experts (reviewers) to monitor and review the on-going progress of projects
- ESA will advise Industry, SME's, Research Institutes and Academia on complementarities of the EC calls for proposals with ESA roadmaps
- Future WorkProgramme updates and calls for the “Strengthening Space Foundations” part will be prepared in close coordination with ESA



# CDTI en Programa Marco I+D de la UE



- Organismo gestor de ~35.700 M€ en 7º PM (2007-2013) Total: 50. 521 M€ en 7 años  
+ Euratom (2.751 M€)
- Representantes y Puntos Nacionales de Contacto



**CAPACIDADES (4.097)**

Infraestructura de Investigación (1.715)

Investigación para Pymes (1.336)

Regiones de Conocimiento (126)

Potencial de Investigación (340)

Ciencia en Sociedad (330)

Cooperación Internacional (180)

Desarrollo Coherente de las Políticas de Investigación (70)

IDEAS: Consejo Europeo de Investigación (7.510)

PEOPLE: Acciones Marie Curie (4.750)

JRC: (1.751)

**TOTAL PM: 50.521 M€**

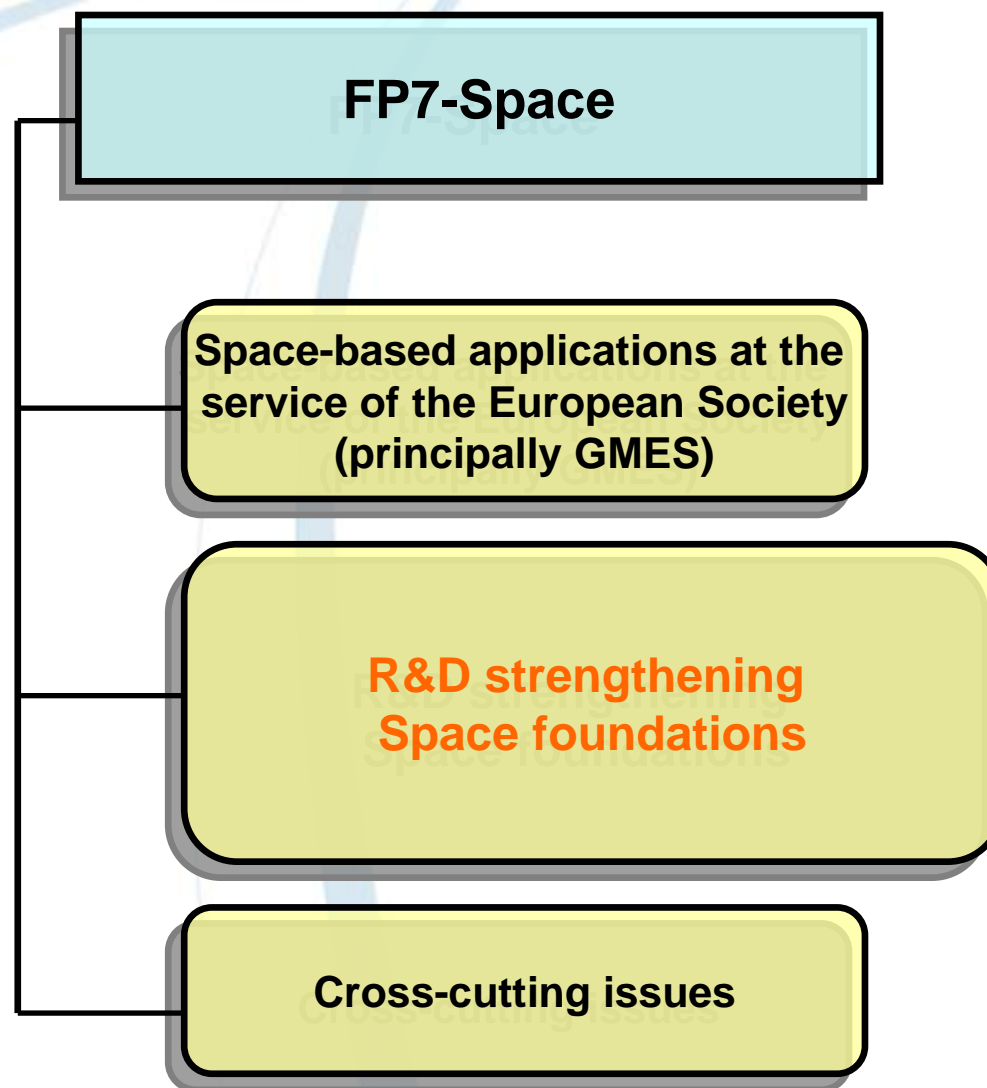
**PM EURATOM (2007-2011): ( 2.751 )**



# Tema 9. Espacio

Comisión Europea  
DG Enterprise and Industry  
DG ENTR

ENTR. H.3. Space Research and Development  
ENTR. H.5. GMES Bureau







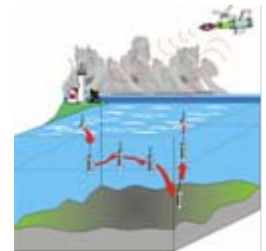
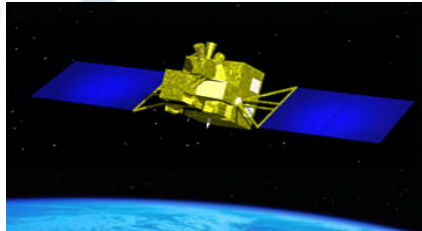
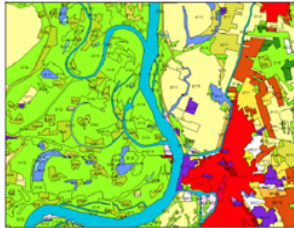
# Strengthening space foundations: overview

To provide opportunities for those actors/activities which are currently not catered for yet at ESA or national level, thereby adding value to these

- Support to research in space science and exploration
- New concepts in space transportation, space technologies and critical components (for Non-Dependence)
- Research into reducing the vulnerability of space-based systems



# FP7-SPACE-2007-1



## Information on the first Space Call 2007



# Budget allocations to call topics

## Activity 9.2 Space foundations

	2007	2008 draft
<b>Call FP7-SPACE-2007-1</b> <u>Activity 9.2</u> Strengthening of Space foundations <b>Topic 1</b> Space Science <b>Topic 2</b> Space Technologies <b>Topic 3</b> Space Transportation	<b>28 M Euro</b>	



# Activity 2 « Space foundations »:

## Topics 1.1, 2.1 and 2.2

- Support to/exploitation of research in **space science – access , analysis, transfer to educational bodies**
- New concepts in **space technologies** and critical components (for Non-Dependence)
- New concepts in **space transportation – innovative propulsion concepts**
- *Collaborative R&D projects and Coordination and Support Actions* are called for



# Some priorities

- New FP7 activity in these areas: should ensure complementarity with the extensive activities already undertaken by ESA/member states, e.g. ESA road-maps
- Focus on upstream aspects of research (e.g. innovative launch/propulsion technologies, optimal preparation of scientific payloads)
- But also downstream aspects (effective exploitation of data produced by missions, contribution to the sustainable provision of critical components)



# Approximate expected average EC contribution for proposals

## Indicative ranges for Collaborative Projects

	Code	Expected average EC contribution (M€)
<b>Topic 1</b> Space Science	SPA.2007.2.1.01	2 - 4
<b>Topic 2</b> Space Technologies	SPA.2007.2.2.01	1 - 2
<b>Topic 3</b> Space Transportation	SPA.2007.2.2.02	3 - 4



# Timing of the Space Research Call 1

## FP7-SPACE-2007-1

Call FP7-SPACE-2007-1



22 December 2006 Publication

19 June 2007 Deadline

July-September 2007 Evaluation

October 2007 Commission funding decision

November 2007 Start of negotiations

Early 2008 1<sup>st</sup> set of grant agreements signed

**~134 M€**

More information: [cordis.europa.eu/fp7/calls/](http://cordis.europa.eu/fp7/calls/)



# Future Calls for Proposals

- **Biennial Space research calls are planned (2009-2011-2013)**
- Backloading of annual budgets

## Potential Topics

- **Activity 9.1** Space-based applications at the service of European Society
  - Pre-operational Validation of GMES services and products – further core services and stimulating downstream GMES services
  - Integration of SatCom with GMES for prevention and management of emergencies
- **Activity 9.2 Strengthening the foundation of Space Science and technology**
  - Research to support space science and exploration
  - Research to support space technologies
  - Reducing the vulnerability of space assets
- **Activity 9.3** Cross-cutting activities
  - International Cooperation
  - Cross-border cooperation and ERA-NET

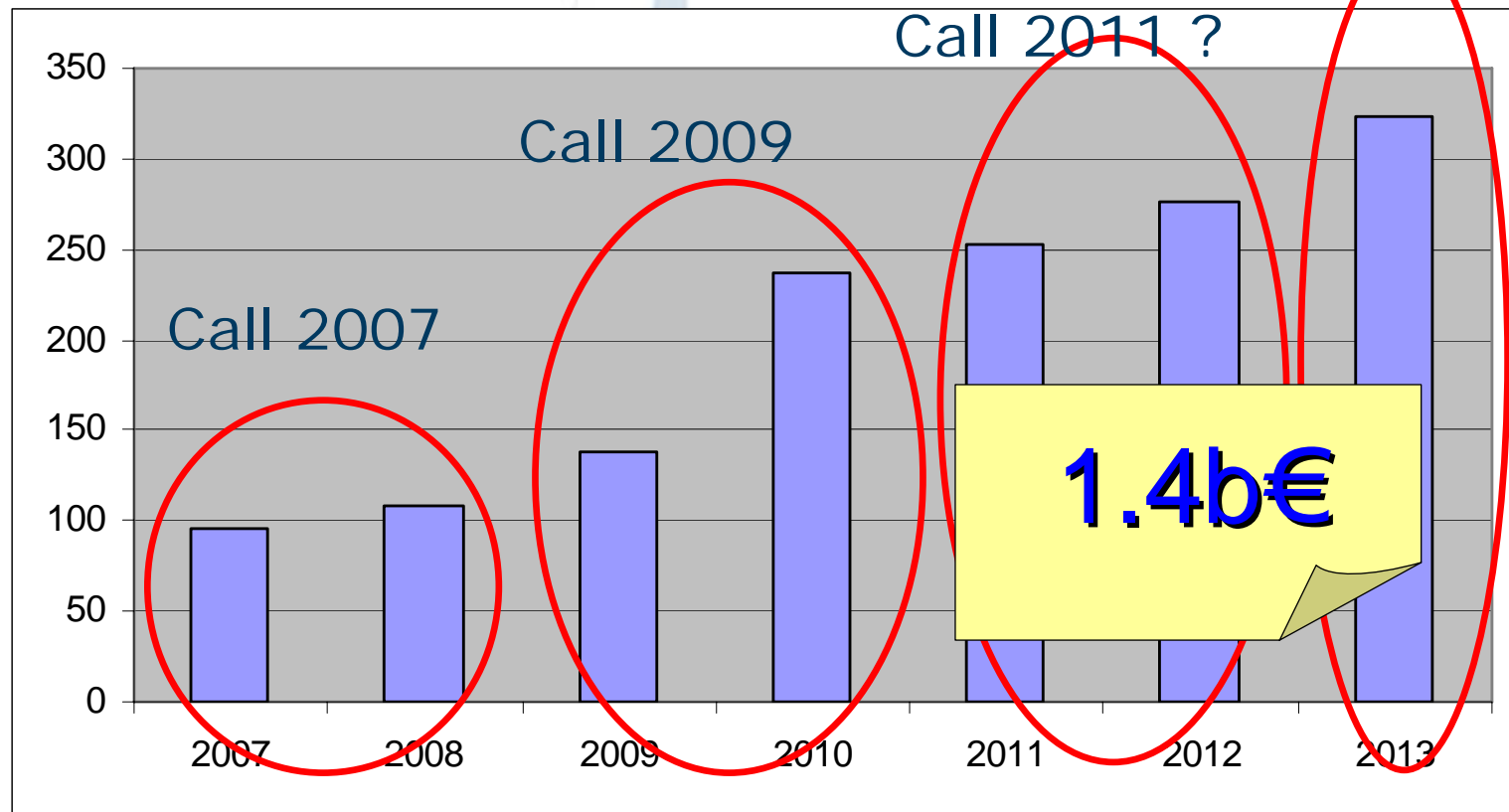




# Draft Budget Annual Commitment Profile 2007-2013

(subject to annual adoption by budgetary authorities)

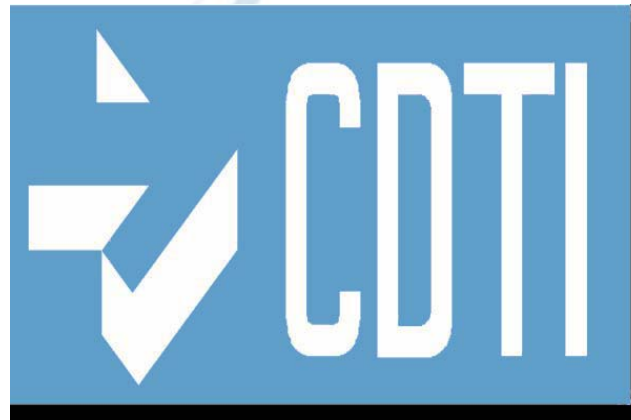
Call 2013 ?





## More information

- EU Space research websites:
  - <http://ec.europa.eu/enterprise/space>
  - <http://www.gmes.info>
  - <http://cordis.europa.eu/fp7/calls/>
- ESA web-site
  - <http://www.esa.int/>
- Helpdesk:
  - <http://ec.europa.eu/research/enquiries>
- Evaluadores:
  - <https://cordis.europa.eu/emmfp7/>



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