



SPACE Research Work Programme and First Call for Proposals

**European Commission
DG ENTR
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Launching FP7 – Conference for Information Multipliers – Brussels, 7-8 February 2007





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Space in FP7: building on the experience of FP6

- **For the first time Space is a self standing theme (theme 9 in Specific Programme Cooperation)**
- **Large increase in budget for Space from FP6**
- **FP7 should build on experience from FP6 to ensure that GMES is successful, in particular building on the foundation of GMES Fast Track Services**



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Space in FP7: indicative distribution of resources

- **€ 1.430 billion** for FP7 Space theme
- About **85%** (€ 1.2 billion) for **GMES** (Global Monitoring for Environment and Security) including for dedicated space infrastructures
- About **15%** for strengthening **space foundations** and **cross-cutting issues**

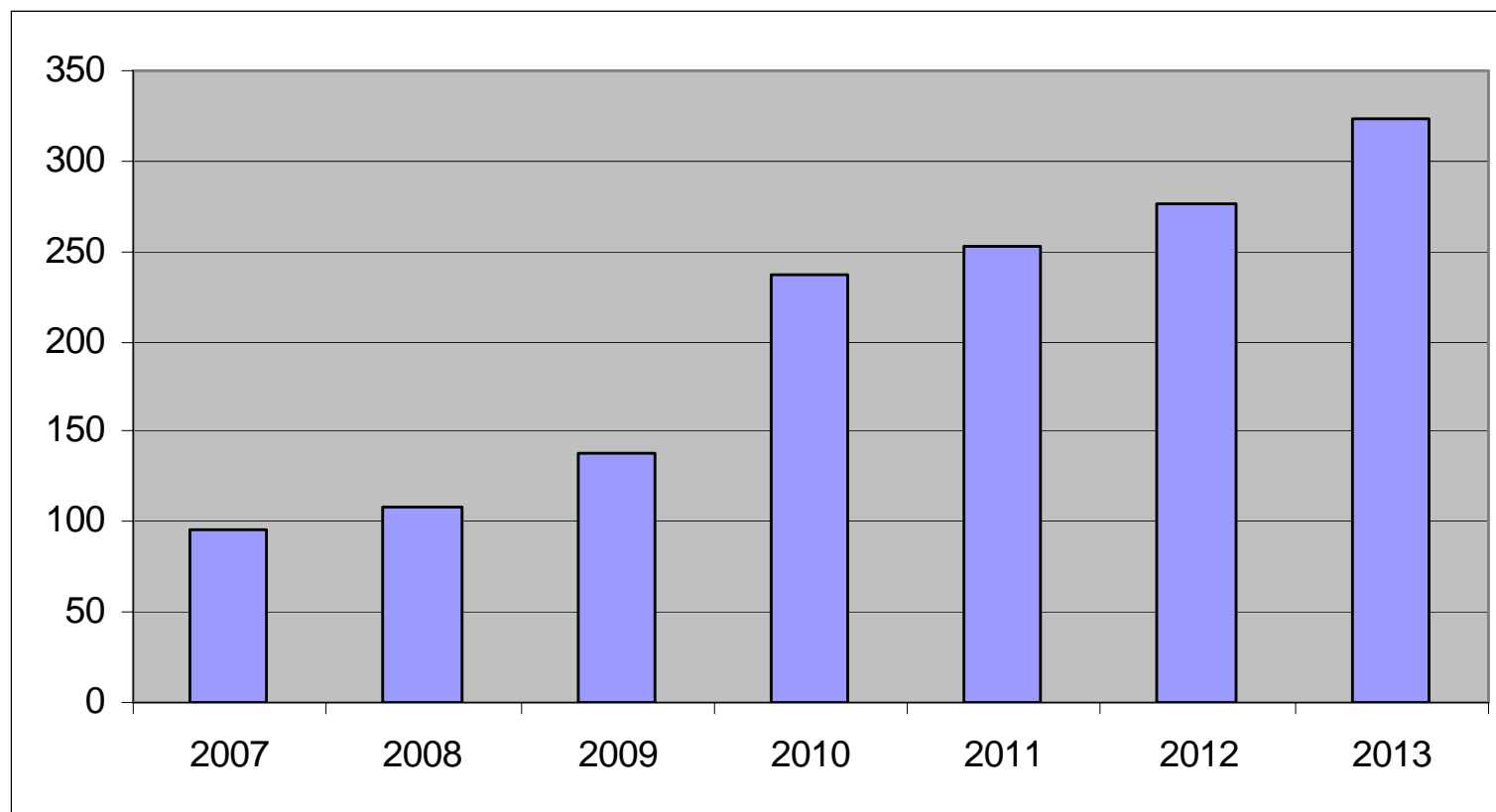


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Draft Budget Profile 2007-2013

(in M€ - subject to annual adoption by
budgetary authorities)



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SEVENTH FRAMEWORK
PROGRAMME



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Work Programme

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FP7-Space

Space-based applications at the
service of the European Society
(principally GMES)

R&D strengthening
Space foundations

Cross-cutting issues

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Budget allocations to call topics in the first call

- A total of **88 M€** is to be committed from the **2007** Community budget

AND

- An **additional amount** from the **2008** Community budget is expected to be added to this call for the activities not funded from 2007 budget (a new finance decision to cover the budget from that year to be requested at the appropriate time)



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What is GMES ?

GMES is

- a European user-driven initiative **federating needs of all relevant stakeholders** in the process (i.e. European Countries, EU institutions, research institutions, etc.)
- an initiative **based on existing capacities** looking for ways to enhance further development and integration of activities
- an **EU-led initiative**, in which ESA will implement the space component and the Commission will manage actions for identifying and developing services relying both on in-situ and space remote sensing data.



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Why GMES ?

- The objective of **GMES** is to provide, on a sustained basis, reliable and timely **services related to environment and security** issues in support of public policy makers' needs.
- **GMES**, as the second **EU flagship** for Space after Galileo will develop information services needed
 - For the observation of the state and evolution of the **global environment**
 - In support to **EC Common Policies** (e.g. Agriculture, Fisheries, Regional Development)
 - For monitoring and assessment of **natural and man-made hazards**
 - For assistance to **development and humanitarian aid**
 - In support to EU policies relevant to **European citizens' security**

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Overview

85% (€ 1.2 billion) foreseen for applications (GMES):

- **Development and validation of pre-operational GMES services, starting with the Fast Track Services (about 30% of the budget)**
- **Support to the coordinated provision of data (space and in-situ) for related projects in FP7 (about 10% of the budget)**
- **Development of dedicated space infrastructures for GMES (about 45% of the budget)**



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Priorities for the first Call (2007)

- **Preparing Marine, Land, Emergency Services**
 - validation of pre-operational GMES Fast Track Services
 - Service evolution
- **Development and preparation of GMES Pilot Services in new application fields (Atmosphere, Security)**

AND

- ***Support to the coordinated procurement of space-based data for GMES related projects in FP7 (→ ESA)***



Budget allocations to call topics (1)

Activity 9.1 - GMES

	2007	2008 draft
<p>Call FP7-SPACE-2007-1</p> <ul style="list-style-type: none"> •Activity 9.1 Space-based applications at the service of European Society : <p>Topic 1 Development of upgraded capabilities to existing FTS and related (pre)-operational services</p>		
<p>Call FP7-SPACE-2007-1</p> <ul style="list-style-type: none"> •Activity 9.1 Space-based applications at the service of European Society : <p>Topic 2 Developing pre-operational service capabilities in new application fields</p>		
<p>(Reminder : - Data access Support action via ESA)</p>	~48	0



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FP7-Space

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R&D strengthening
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Cross-cutting issues



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Overview

- **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)**



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Overview

- **International cooperation**
- **European Research Area Networks (ERA-NET)**
- **Integration of SMEs**
- **Dissemination**

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Budget allocations to call topics (2)

Activity 9.2 Space foundations & Activity 9.3 Cross-cutting issues

	2007	2008 draft
Call FP7-SPACE-2007-1 <u>Activity 9.2</u> Strengthening of Space foundations Topic 1 Space Science Topic 2 Space Technologies Topic 3 Space Transportation	28 M Euro	
Call FP7-SPACE-2007-1 <u>Activity 9.3</u> Trans-national co-operation among NCPs	2 M Euro	



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Timing of the Space Research Call 1

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 1st set of grant agreements signed

~134 M€

More information cordis.europa.eu/fp7/calls/



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GMES Roadmap for Core Services

- **GMES Roadmap for Land, Marine and Emergency**
 - **Q1 - Preparation of Implementation Guidelines for FP7 calls based on user's needs analysis**
 - **Ongoing monitoring process of the implementation**
- **GMES Roadmap for Atmosphere**
 - **Q1 – Recommendations ready based on workshop conclusions**



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Useful Web addresses

- **GMES web site**
 - <http://www.gmes.info>
- **Space web site**
 - <http://ec.europa.eu/comm/space>
- **ESA web site**
 - <http://www.esa.int/esaLP/LPgmes.html>
- **Cordis**
 - <http://cordis.europa.eu/en/home.html>



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Thank you for your attention

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