



EUROPEAN
COMMISSION

Community research

Security Research

The Work Programme 2007 and the Security Research Call 1

**Seventh
Framework
Programme
2007-2013**



Security theme in FP7 2007 – 2013

- **4 Security missions / activities:**
 1. Security of citizens
 2. Security of infrastructure and utilities
 3. Intelligent surveillance and border security
 4. Restoring security and safety in case of crisis

- **3 Cross cutting activities:**
 5. Security systems integration, interconnectivity and interoperability
 6. Security and Society
 7. Security Research coordination and structuring



Security theme in FP7 2007 – 2013

■ 4 Security missions / activities:

1. Security of citizens
2. Security of infrastructure and utilities
3. Intelligent surveillance and border security
4. Restoring security and safety in case of crisis

■ 3 Cross cutting activities:

5. Security systems integration, interconnectivity and interoperability
6. Security and Society
7. Security Research coordination and structuring

■ Area Demonstration projects → topics / scope / impact

- total cost up to 30-40 M€,
phase 1: 1 - 1,5 years,
phase 2: ~ 4 years

→ *ESRAB
building block
approach*

■ Area Integration projects → topics / scope / impact

- total cost up to 10-25 M€, ~ 4 years

■ Area Capability projects → topics / scope / impact

- total cost up to 2-5 M€, 2-4 years

Do not confuse with **funding schemes**:
Collaborative projects (CP)
Coordination and support actions (CSA)



Demonstration projects (1)

- Systems of systems
- Provide a **federative frame** in areas of significant European interest
- Rely on the development of required “**building blocks**”
(**capability** projects and **integration** projects)

5 topics identified by ESRAB for FP7:

Open in
1st call

- European-wide integrated border control system
- Security of mass transportation
- Crisis management system
- Logistic and Supply chain Security
- CBRNE (Chemical, Biological, Radiological, Nuclear, Explosives)



Demonstration projects (2)

- **Phase 1 :**
 - Define strategic roadmaps
 - EU wide awareness amongst public/private stakeholders, in particular end-users
 - Funding scheme: Coordination and support action
0.5 - 1 M€, ~ 1year

- **Phase 2 (later call, separate proposal and evaluation) :**
 - Implement the demonstration project
 - Large consortium (including public / private stakeholders, end-users...)
 - Close to standardisation / markets / procurement
 - Funding scheme: Collaborative project
30 - 40 M€, ~4 years



Demonstration projects (3)

> 1 grant per topic possible

Phase 2 not automatically granted to “winning” Phase 1 consortia, new call & evaluation
WP topic for Phase 2 will build upon Phase 1 outcomes

- Good understanding of the security policy area in question
- Analysis of the demand side’s needs
- Identification of the appropriate (system of systems) demonstration case together with demand side (which problem(s) to address)
- Identification of all relevant stakeholders from demand and supply side (authorities, agencies, practical end users, industry, research, academia, others)
- **Communication plan** how to involve them (consortium partner or other ways)
- Assessment of possible technological routes and other necessary measures
- Assessment of maturity levels of relevant technologies, IPR, research gaps etc.
- Verification of possible national sensitivities (transfer / export licences, classified information)
- Assessment of the risks involved and how to deal with them
- Drawing up a **roadmap** for the demonstration case including technology work and socio-economic aspects, including training etc.



FP7 Security theme areas and funding schemes

WP Activity	WP Area	Collaborative projects (CP)	Coordination and support actions (CAs and SAs)
Activities 1 - 4	Demonstration project topics, Phase 1		1-1,5 years 0,5 M€
	Demonstration project topics, Phase 2	4 years 30-40 M€	
	Integration project topics	4 years 10-25 M€	
	Capability project topics	2-4 years 2-5 M€	
Activity 5		2-4 years 2-5 M€	
Activity 6		2-4 years up to 2 M€	0,5-3 years 0,5 M€
Activity 7			0,5-3 years 0.5 M€

Figures are total cost



FP7 2007 – 2013

- Annual Work Programmes
- Security Theme:
 - ➔ 1 Work Programme for 2007
 - ➔ 2 Calls for Proposals in 2007



Timing of the Security Research Call 1

FP7-SEC-2007-1

Call FP7-SEC-2007-1



- 22 December 2006 Publication
- 31 May 2007 Deadline
- June/July 2007 Evaluation
- August 2007 Funding list
- September 2007 Start of negotiations
- December 2007 1st set of grant agreements signed

~155 M€

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



Timing of the Joint Call ICT & Security

FP7-ICT-SEC-2007-1

Call FP7-ICT-SEC-2007-1



- 30 August 2007 Publication
- 29 November 2007 Deadline
- December 2007 Evaluation
- January 2008 Funding list
- February 2008 Start of negotiations
- Autumn 2008 Grant agreements signed

20 + 20 M€

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



Open topics in the Security Research Call 1

FP7-SEC-2007-1



Activity	Area Demonstration Projects	Area Integration Projects	Area Capability Projects
Security of citizens	Not open	2 CP	6 CP
Security of infrastructure and utilities	1 SA	1 CP	4 CP
Intelligent surveillance and border security	1 SA	3 CP	3 CP
Restoring security and safety in case of crisis	Not open	4 CP	4 CP
Security systems integration, interconnectivity and interoperability	Not open		
Security and Society	12 CP or (C)SA		
Security Research coordination and structuring	6 CA		



WP 2007 - Mission / Activity 1: Security of citizens

Call FP7-SEC-2007-1



2 Integration projects:

- Intelligent urban environment observation system
- Integrated mobile security kit

6 Capability projects:

Detection, identification & authentication

- Stand off scanning and detection of hidden dangerous materials and/or stowaways, fast and reliable alerting and specification
- Improved control of explosives throughout their “lifecycle”

Positioning & localisation

- Localisation and tracking of chemical components in substance production
- Observation through water, metal, ground etc

Situation awareness & assessment (surveillance)

- Water distribution surveillance
- Secure strategic information management system



WP 2007 - Mission / Activity 2: Security of infrastructure and utilities

Call FP7-SEC-2007-1



1 Demonstration project:

- Security of critical infrastructures related to mass transportation (phase 1)

1 Integration project:

- Integrated protection of rail transportation

4 Capability projects:

Detection, identification & authentication

- Detection of unattended goods and of owner
- Detection of abnormal behaviour of vehicles both in wide and small land areas
- Detection of abnormal behaviour

Situation awareness & assessment (surveillance)

- Small area 24 hours surveillance



Call FP7-SEC-2007-1



WP 2007 - Mission / Activity 3:

Intelligent surveillance and border security

1 Demonstration project:

- Integrated border management system (phase 1)

3 Integration projects:

- Main port security system (including containers)
- Unregulated land borders and wide land surveillance system
- Integrated check points security

3 Capability projects:

Detection, identification & authentication

- Air 3D detection of manned and unmanned platforms

Situation awareness & assessment (surveillance)

- Surveillance in wide maritime areas through active and passive means

Communication

- Solutions for ensuring disruption-tolerant end-to-end communication availability, relying on physical and logical technologies, on diversity of hybrid systems



WP 2007 - Mission / Activity 4:

Restoring security and safety in case of crisis

Call FP7-SEC-2007-1



4 Integration projects:

- Network enabled command and control system
- Integrated specialist search and rescue system
- Post incident basic service restoration system
- Wireless communication for EU crisis management

4 Capability projects:

Situation awareness & assessment (surveillance)

- Developing a common operational picture between regional and national authorities, first responders etc.

Command & control

- Intelligent decision support

Incident response

- Personal equipment
- Neutralisation of devices/effects



WP 2007 - Cross cutting activity 5: Security systems integration, interconnectivity and interoperability

Call FP7-SEC-2007-1



- **Not open** for self-standing actions in the **Security Research call 1**
- Can be addressed related to mission areas 1, 2, 3 and 4.
- Self-standing actions are addressed in the **Joint Call ICT & Security 1**



Call FP7-SEC-2007-1



WP 2007 - Cross cutting activity 6: Security & Society (1)

Citizens and Society

- Understanding factors that cause citizen's feeling of security and insecurity
- Human behaviour before, during and after crisis situations to understand how people react to threat alerts and security instructions
- Communication strategies of public authorities (including media strategies) before, during and after crises concerning risks, security threats and measures

Understanding organisational structures and cultures of public users

- Behavioural, organisational and cultural issues to understand public user needs including those for joint European action
- Inventories of existing national resources, institutional mandates and practices across relevant sectors

Foresight, scenarios and security as an evolving concept

- Research in broad societal foresight to capture new and emerging threats as well as other aspects of security as an evolving concept (e.g. ethical and economic aspects)
- Research on rigorous methodologies for assessment of security investments and trade-off between security and other societal objectives (e.g. privacy and social cohesion)



WP 2007 - Cross cutting activity 6: Security & Society (2)

Call FP7-SEC-2007-1



Security Economics

- Research survey on the emerging field of European security economics research to provide an analytical framework for complementary research
- European Security Indicator: methodological research to provide a few select indicators of security and security policy in Europe measuring the effects of both insecurity and security policies on the economy
- Public finance: Studying the scale, function and roles of various types of government security spending across Europe and time

Ethics and justice

- How to take the necessary measures to ensure the security of citizens while respecting the civic rights and how this is implemented in practice, particularly addressing the issue of privacy and security
- Ethical implications of the continuum of internal and external security



Call FP7-SEC-2007-1



WP 2007 - Cross cutting activity 7: Security Research coordination and structuring

- Technology Watch
- European Security Research Networks, incl. for standardisation
- Network of facilities for test and validation of security related products
- Transparency and networking amongst Member States and associated countries
- Supply chains and market integration
- Trans-national co-operation among NCP's



Important advice for proposers

- Proposals must relate to topics of the WP open in the call or they will be ineligible or score low
- Proposers must understand the security policy domain they wish to support with their proposal
- Proposals must meet the philosophy and characteristics of the Security theme and of the activity / area chosen (in particular demonstration / integration / capability projects or coordination / support action)
- Appropriate funding scheme
- „Complete“ consortium – end users!
- Meet all rules
- Clear presentation, simple language
- Check CORDIS regularly (WP updates)
- Complete proposal, submit before deadline



Future Calls for Proposals

- Annual Security research calls as from 2008 to be opened in June
- Option for further joint and coordinated calls
- Backloading of annual budgets

Security Research Call 2 (2008)

- **3 Demonstration projects phase 1:** Logistic and supply chain security; CBRNE (Chemical, Biological, Radiological, Nuclear agents and Explosives); Aftermath crisis management system
- **Integration projects:** Advanced forensic toolbox; Secure strategic information management system; Detection system for abnormal behaviour; Open space security; Built infrastructure protection; Sea borders surveillance system; Extended smart borders; First responder of the future

Security Research Call 3 (2009)

- **2 Demonstration projects phase 2** (phase 1 called for in Security Research Call 1)

Security Research Call 4 (2010)

- **3 Demonstration projects phase 2** (phase 1 called for in Security Research Call 2)

Security Research Calls 5 (2011) and 6 (2012):

Details not yet planned, looking for further coverage



More information

- EU Security research websites:
 - <http://ec.europa.eu/enterprise/security>
 - <http://cordis.europa.eu/security>
 - <http://cordis.europa.eu/fp7/calls/>

- Helpdesk:
 - entr-security-research@ec.europa.eu