

Seventh Framework
Programme 2007-2013

Security Research

3rd Call for proposals

SRC-09
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Stockholm



European Commission
Enterprise and Industry

Content

Work Programme 2010 - 3rd Call for proposals

1. Budget
2. Funding schemes
3. Mission areas and topics
4. Security issues
5. Timetable

Budget of the 3rd Call

- Indicative budget **€ 210 million** for 35 research topics
- **60 %** (50-70%) for demonstration and integration projects
- **40 %** (30-50%) for capability projects, coordination and support actions and NoE
- Up to **~3 %** for international cooperation and **~3 %** for ERA-NET

Funding schemes in 3rd Call

- Collaborative projects
 - Demonstration projects phase II - (very) large scale integrating project
 - Integration projects - large scale integrating project
 - Capability projects - small and medium scale focused research project
- Coordination and Support actions - including Demo phase I
- Network of Excellence

Demonstration programmes (phase I and II)

- Demonstration programmes phase I should define the strategic roadmap and trigger Europe wide awareness, involving end-users, industry and academia. **Funding scheme:** support action
- Demonstration programmes phase II will then technically implement the systems of systems demonstration projects, taking into account steps which have to follow the research (standardisation, development of marketable products, etc). **Funding scheme:** Collaborative project with indicative Community funding of > € 20 million

Integration projects

- **Integration projects** are large-scale integrating Collaborative projects, which aim at combining mission specific individual capabilities providing a security system and demonstrating its performance.
- **Indicative total cost:** 10-25 M€ (indicative EC funding >3.5M€)
- **Duration:** ~ 4 years

Capability projects

- **Capability projects** are small and medium scale focused (collaborative) research projects. They aim at building up and/or strengthening security capabilities in the required missions. This will be done by adapting available technologies and by developing security specific technology and knowledge aimed at tangible results.
- **Indicative total cost:** 2-5 M€ (indicative EC funding = <3.5M€)
- **Duration:** 2-4 years

Network of Excellence

- **Networks of excellence** are designed for research institutions that wish to combine and functionally integrate in a durable way a substantial part of their activities and capacities in a given field, with a view to creating in this field a European ‘virtual centre of research’.
- **No indicative total cost or duration** (very exceptional cases > 5 years)

Coordination and support actions (CSA)

- **Co-ordination actions** aim at coordinating research activities and policies (networking).
- **Support actions** aim at contributing to the implementation of the FP and to prepare future research policy or to develop synergies with other policies, or to stimulate/facilitate the participation of SMEs, civil society organisations, small research teams etc, or for setting up of research-intensive clusters across the EU regions. Often focus on one specific activity and on one specific event.
- **Indicative total cost:** 0.5-1 M€ (up to 100% EC funding)
- **Duration:** 0.5 - 3 years

1. Security of Citizens

- **Integration project**
 - SEC-2010.1.2-1 Information and knowledge management for the prevention of organised crime
- **Capability projects**
 - SEC-2010.1.3-1 Innovative tools to combat organised crime and terrorism financing and money laundering
 - SEC-2010.1.3-2 Tackling counterfeit medicines and related criminal networks
 - SEC-2010.1.3-3 Detection of IED manufacturing facilities
- **Coordination and support actions**
 - SEC-2010.1.4-1 Advanced forensic toolbox
 - SEC-2010.1.4-2 Controlling the change of properties of chemicals to preclude misuse

2. Security of infrastructures and utilities

- **Demonstration programme**
 - SEC-2010.2.1-1 Security of mass transportation - phase II
- **Capability projects**
 - SEC-2010.2.3-1 Planning, (re)design, and (re)engineering of urban areas to make them less vulnerable and more resilient to security threats
 - SEC-2010.2.3-2 Assessment framework and tools to identify vulnerabilities of energy grids and energy plants and to protect them against cascading effects
 - SEC-2010.2.3-3 Automatic detection and recognition of threats to critical assets in large unpredictable environment
- **Coordination and support action**
 - SEC-2010.2.4-1 New concepts to meet the requirements for the protection of civil/commercial aviation

3. Intelligent surveillance and border security

- **Demonstration programme**
 - SEC-2010.3.1-1 European-wide integrated maritime border control system - phase II
- **Integration project**
 - SEC-2010.3.2-1 Monitoring and tracking of shipping containers

4. Restoring safety and security in case of crisis

- **Demonstration programme**
 - SEC-2010.4.1-1 Aftermath crisis management - phase I
- **Integration projects**
 - SEC-2010.4.2-1 Interoperability of data, systems, tools and equipment
 - SEC-2010.4.2-2 Preparedness and Resilience to a CBRN crisis
 - SEC-2010.4.2-3 Information acquisition using dedicated platforms, including UAV, aerostatic platforms (balloons) and satellites
- **Capability projects**
 - SEC-2010.4.3-1 Alert and communication, including role of media, towards the population in crises management
 - SEC-2010.4.3-2 Adaptation of existing Decision Support Systems (DSS) to new radiological threats
- **Coordination and support action**
 - SEC-2010.4.4-1 Basic service restoration (e.g. energy, water, communication), business continuity, domestic/ environmental normality

6. Security and Society

CP or CSA

Citizens and security

- SEC-2010.6.1-1 Signs of 'early warning' to detect trends and weak signals in social polarisation, radicalisation development and segregation
- SEC-2010.6.1-2 Develop models and tools to detect and evaluate risks of terrorism
- SEC-2010.6.1-3 Reduction of the cognitive biases in intelligence analysis

Foresight, scenarios and security as an evolving concept

- SEC-2010-6.3-1 Developing a reference framework for the European security culture: the perception of threats and the trust in public authorities and the police and the perception of security as a service
- SEC-2010.6.3-2 Fore sighting the contribution of security research to meet the future EU roles
- SEC-2010.6.3-3 Research on rigorous methodologies for assessment of security investments and trade-off between security and other societal objectives (e.g. privacy and social cohesion)

6. Security and Society – cont.

CP or CSA

Security economics

- SEC-2010.6.4-1 Cost-benefit analysis of the present and future security measures in Europe

Ethics and justice

- SEC-2010.6.5-1 Review existing codes of conduct, best practices, etc. as to the ethical use of security technologies and the corresponding legal requirements - make recommendations where shortfalls exist
- SEC-2010.6.5-2 Use of smart surveillance systems, data protection, integrity and sharing information within privacy rules

7. Security research coordination and structuring

- **NoE or CP or CSA**
 - SEC-2010.7.0-1 Networking of researchers for a high level multi-organisational and cross-border collaboration (NoE)
 - SEC-2010.7.0-2 Feasibility study for EU policy on high-level multi-organisational and trans-boundary interoperable field labs and test centres
 - SEC-2010.7.0-3 Critical and emerging technologies for security
 - SEC-2010.7.0-4 Organisation of a “security” competition
 - SEC-2010.7.0-5 Co-ordination of national research programmes in the area of Security research (ERA-NET)
 - SEC-2010.7.0-6 Trans-national co-operation among NCPs - phase 2

Handling “Sensitive” projects and information

- No classified information to be used in the proposal
- However, the project could use classified/sensitive background and/or produce classified/sensitive foreground
- In that case,
 - flag proposal as **security sensitive**
 - specify in table of deliverables the **level of classification** for each on
 - attach a **Security Aspect Letter (SAL)** + a **Security Classification Guide (SCG)** to the proposal

Specific issues in Security Research

- Up to **75 %** funding for industry possible
- Importance of active involvement of **end-users**
- **Sensitive** project activities and information
- **Ethical** issues

Preliminary timetable for the 3rd Call FP7-SEC-2010-1

30th July 2009	Publication of the Call
26th November 2009	Deadline (at 17.00 Brussels time)
During February 2010	Evaluation
March - April 2010	Security Scrutiny and Ethical review
June – July 2010	Start of negotiations

Further information

http://cordis.europa.eu/fp7/security/home_en.html

- Work Programme
- Call for proposals
- Guide for applicants
- etc.

Helpdesks:

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http://cordis.europa.eu/fp7/ncp_en.html