

### Call title: Security Research Call 3

- Call identifier: FP7-SEC-2010-1
- Date of publication: 30/July/2009
- Deadline: 26/November/2009 at 17.00.00, Brussels local time<sup>1</sup>
- Indicative budget: Total call budget **EUR 210.59 million**<sup>2 3</sup>
  - An indicative **60%** (deviation possible from 50% to 70%) of the budget for topics to be implemented through **Demonstration and Integration Projects** (Areas 1, 2, 3 and 4).
  - An indicative **40%** (deviation possible from 30% to 50%) of the budget for topics to be implemented through **Capability Projects, Coordination and Supporting Activities** (activities 6 and 7), (Areas 1, 2, 4), and **Networks of Excellence** (activity 7).
  - Within the above indicative limits, up to an indicative 3% can be used for *international co-operation*, and up to an indicative 3% can be used for *ERA-NET*.
- Topics called:

Activity/ Area	Topics called	Funding Schemes
<b>10.1 Security of citizens / 1.2 Integration projects</b>	<i>SEC-2010.1.2-1 Information and knowledge management for the prevention of organised crime</i>	<i>Collaborative Project</i>
<b>10.1 Security of citizens / 1.3 Capability projects</b>	<i>SEC-2010.1.3-1 Innovative tools to combat organised crime and terrorism financing and money laundering</i>	<i>Collaborative Project</i>
	<i>SEC-2010.1.3-2 Tackling counterfeit medicines and related criminal networks</i>	<i>Collaborative Project</i>
	<i>SEC-2010.1.3-3 Detection of IED manufacturing facilities</i>	<i>Collaborative Project</i>
<b>10.1 Security of citizens / 1.4 Coordination and support actions</b>	<i>SEC-2010.1.4-1 Advanced forensic toolbox</i>	<i>Coordination and Support Action (coordinating)</i>
	<i>SEC-2010.1.4-2 Controlling the change of properties of chemicals to preclude misuse</i>	<i>Coordination and Support Action (coordinating)</i>
<b>10.2 Security of infrastructures and utilities / 2.1 Demonstration programme</b>	<i>SEC-2010.2.1-1 Security of mass transportation - phase II</i>	<i>Collaborative Project</i>
<b>10.2 Security of infrastructures and utilities / 2.3 Capability projects</b>	<i>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</i>	<i>Collaborative Project</i>
	<i>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</i>	<i>Collaborative Project</i>
	<i>SEC-2010.2.3-3 Automatic detection and recognition of threats to critical assets in large unpredictable environment</i>	<i>Collaborative Project</i>

<sup>1</sup> The Director-General responsible may delay this deadline by up to two months.

<sup>2</sup> Under the condition that the preliminary draft budget for 2010 is adopted without modifications by the budget authority.

<sup>3</sup> The final total budget awarded to this call, following the evaluation of proposals, may vary by up to 10% of the total value of the call.

<b>10.2 Security of infrastructures and utilities / 2.4</b> Coordination and support actions	SEC-2010.2.4-1 New concepts to meet the requirements for the protection of civil/commercial aviation	Coordination and Support Action (both coordinating and supporting)
<b>10.3 Intelligent surveillance and border control / 3.1 Demonstration programme</b>	SEC-2010.3.1-1 European-wide integrated maritime border control system - phase II	Collaborative Project
<b>10.3 Intelligent surveillance and border control / 3.2 Integration projects</b>	SEC-2010.3.2-1 Monitoring and tracking of shipping containers	Collaborative Project
<b>10.4 Restoring security and safety in case of crisis / 4.1 Demonstration programme</b>	SEC-2010.4.1-1 Aftermath crisis management - phase 1	Coordination and Support Action (supporting)
<b>10.4 Restoring security and safety in case of crisis / 4.2 Integration projects</b>	SEC-2010.4.2-1 Interoperability of data, systems, tools and equipment	Collaborative Project
	SEC-2010.4.2-2 Preparedness and Resilience to a CBRN crisis	Collaborative Project
	SEC-2010.4.2-3 Information acquisition using dedicated platforms, including UAV, aerostatic platforms(balloons) and satellites	Collaborative Project
<b>10.4 Restoring security and safety in case of crisis / 4.3 Capability projects</b>	SEC-2010.4.3-1 Alert and communication, including role of media, towards the population in crises management	Collaborative Project
	SEC-2010.4.3-2 Adaptation of existing Decision Support Systems (DSS) to new radiological threats	Collaborative Project
<b>10.4 Restoring security and safety in case of crisis / 4.4 Coordination and support actions</b>	SEC-2010.4.4-1 Basic service restoration (e.g. energy, water, communication), business continuity, domestic/ environmental normality	Coordination and Support Action (coordinating)
<b>10.6 Security and society / 6.1 Citizens and security</b>	SEC-2010.6.1-1 Signs of 'early warning' to detect trends and weak signals in social polarisation, radicalisation development and segregation	Collaborative Project / Coordination and Support Action (both coordinating and supporting)
	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	
<b>10.6 Security and society / 6.3 Foresight, scenarios and security as an evolving concept</b>	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	

	<i>security and other societal objectives (e.g. privacy and social cohesion)</i>	
<b>10.6 Security and society</b> <i>/ 6.4 Security economics</i>	<i>SEC-2010.6.4-1 Cost-benefit analysis of the present and future security measures in Europe</i>	
<b>10.6 Security and society</b> <i>/6.5 Ethics and justice</i>	<i>SEC-2010.6.5-1 Review existing codes of conduct, best practises, etc. as to the ethical use of security technologies and the corresponding legal requirements - make recommendations where shortfalls exist</i>	
	<i>SEC-2010.6.5-2 Use of smart surveillance systems, data protection, integrity and sharing information within privacy rules</i>	
<b>10.7 Security research coordination and structuring</b>	<i>SEC-2010.7.0-1 Networking of researchers for a high level multi-organisational and cross-border collaboration</i>	<i>Network of Excellence</i>
	<i>SEC-2010.7.0-2 Feasibility study for EU policy on high-level multi-organisational and trans-boundary interoperable field labs and test centres</i>	<i>Coordination and Support Action (supporting)</i>
	<i>SEC-2010.7.0-3 Critical and emerging technologies for security</i>	<i>Collaborative Project / Coordination and Support Action (both coordinating and supporting)</i>
	<i>SEC-2010.7.0-4 Organisation of a “security” competition</i>	<i>Coordination and Support Action (supporting)</i>
	<i>SEC-2010.7.0-5 Co-ordination of national research programmes in the area of Security research (ERA-NET)</i>	<i>Coordination and Support Action (coordinating)</i>
	<i>SEC-2010.7.0-6 Trans-national co-operation among NCPs - phase 2</i>	<i>Coordination and Support Action (coordinating)</i>

- **Eligibility conditions**

The general eligibility criteria, as set out in Annex 2 of the work programme, and in the guide for applicants, apply to all topics of this call. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.

Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

The standard minimum number of participating legal entities for all funding schemes are used in this call, in line with the Rules for Participation and in the below format:

<b>Funding scheme</b>	<b>Minimum conditions</b>
Collaborative projects <sup>4</sup>	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Network of Excellence	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Coordination and Support Actions (coordinating action)	At least 3 independent legal entities, each of which is established in a MS or AC, and no 2 of which are established in the same MS or AC
Coordination and Support Actions (supporting action)	At least 1 independent legal entity

Proposals containing any classified information shall be declared ineligible.

- **Evaluation procedure:**

The evaluation criteria and scoring scheme are set out in annex 2 of the work programme.

Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the EPSS. The Commission will instruct the experts to disregard any pages exceeding these limits. The minimum font size allowed is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).

A one-stage submission procedure will be followed.

Proposals will be evaluated in a single-step procedure.

Proposals may be evaluated remotely.

- **Indicative timetable:** This call in 2009 invites proposals to be funded in 2010. Evaluations of proposals are expected to be carried out in January/February 2010. It is expected that the grant agreement negotiations for the short listed proposals will be opened in the first half of 2010.
- **Consortia agreements** are required for *all* actions.
- **Particular requirements for participation, evaluation and implementation:**

*Classified Information*

Proposals must not contain any *classified information* (note that the proposed action itself *can* involve classified information). If classified inputs are required to carry out a proposed action or the output of the action needs to be classified, proposers have to ensure the following:

- provide evidence of the *clearance of all relevant facilities*;

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<sup>4</sup> The funding scheme **Collaborative project** will in this Call be divided into demonstration programmes (one or a number of individual projects) (large scale integrating projects with indicative Community funding of over EUR 20 000 000), integration projects (large scale integrating projects with indicative Community funding of over EUR 3 500 000) and capability projects (small and medium-scale focused research projects with indicative Community funding of EUR 3 500 000 and below).

- clarify issues such as e.g. access to classified information or export or transfer control with the National Security Authorities (NSA) of their Member States / Associated Countries, and provide evidence of the *prior agreement* of their NSAs;
- provide a *Security Aspect Letter* (SAL), indicating the levels of classification required at deliverables/partners level.

Absence of any of these elements may lead the Commission to decide not to proceed to negotiation of a grant agreement even if the proposal is evaluated positively. Furthermore, appropriate arrangements have to be included in the consortium agreement.

If the proposal is evaluated positively and invited for the negotiation, a definitive version of the SAL and of the SCG will be annexed to the Description of Work and must be worked out during negotiations. Special clauses will be introduced in the Grant Agreement. National security authorities will be consulted after the evaluation and before the negotiation through their representatives in the Security Assessment ad-hoc group from the Security Programme Committee. They will have the possibility to make recommendations regarding "classified information" issues to be taken into account during the negotiation.

For projects based on proposals which did not contain SAL but that have been subject to security recommendations following the above procedure, a SAL and its SCG annex could be required during the negotiations.

#### *Ethical Review*

Proposed activities shall be carried out in compliance with fundamental ethical principles. If ethical issues, including privacy are raised, they should be addressed in the core of the proposed activity. In addition, the potential impact of the resulting technologies and activities on Fundamental Rights, ethical principles and societal values should be addressed as part of the proposed research.

#### *Small and Medium Enterprises (SME) and end-users*

Consortia are strongly encouraged to actively involve *SMEs and end users*.

#### *Evaluation*

The *evaluation criteria* (including weights and thresholds) and sub-criteria, together with the eligibility, selection and award criteria for the different funding schemes are set out in Annex 2 to this work programme.

Coordinators of all integration project proposals and of all demonstration projects (phase II) proposals that pass all the evaluation thresholds may be invited to a *hearing*.

As a result of the evaluation, a ranked list of proposals retained for funding will be drawn up as well as a reserve list of proposals that may be funded in case budget becomes available during negotiations.

Positively evaluated proposals involving sensitive and classified information, those involving international co-operation as well as those collaborative projects where 75%

funding for all participants is foreseen will be flagged to the members of the *Security Programme Committee* configuration and dealt with according to its Rules for Procedure.

- The **forms of grants and maximum reimbursement rates** which will be offered are specified in Annex 3 to the Cooperation work programme.

Proposers claiming that their proposal should receive Community **funding up to 75%** (for research activities) should demonstrate in the proposal that the exceptional required conditions (very limited market size and a risk of "market failure", the need for accelerated equipment development in response to new threats) apply.

In accordance with Annex 3 of this work programme, this call provides for the possibility to use **flat rates to cover subsistence costs** incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available at the following website: [http://cordis.europa.eu/fp7/find-doc\\_en.html](http://cordis.europa.eu/fp7/find-doc_en.html) under 'Guidance documents/Flat rates for daily allowances'.