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Security and Dependability in FP7

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Outline

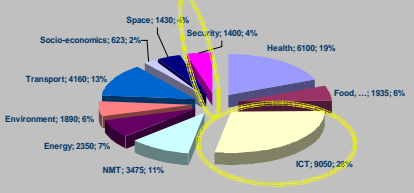
- 1st FP7 Calls, ICT and SECURITY
- Next Call

FP7: 2007-2013


Total 50,521 M€

FP7 Cooperation Programme: 32,413 M€
The 10 Themes




Theme	Amount (M€)	Percentage
ICT	9050	28%
NMT	3475	11%
Energy	2350	7%
Environment	1890	6%
Transport	4160	13%
Socio-economics	623	2%
Space	1430	4%
Security	1400	4%
Health	6100	19%
Food, ...	1935	6%

Strengthening Competitiveness through Co-operation



ICT Call 1



Results of the ICT Call 1

Obj. 1.4: Secure, Dependable and Trusted Infrastructures


R&D scope: five focal areas

- Security and resilience in network infrastructures
- Security and trust in dynamic reconfigurable service architectures
- Trusted computing infrastructures
- ID management and privacy enhancing tools, trust policies
- Research roadmaps, metrics and benchmarks, standardisation, international cooperation, coordination activities


90 M€

92 proposals received - 353 M€ requested in total
 → 18 IPs, 63 STREPs, 2 NoEs, 9 CSAs
 24 proposals under negotiation
 → 5 IPs, 14 STREPs, 1 NoE, 4 CAs
 3 proposals in reserve list

First ICT FP7 projects to start in JAN 2008



Security Call 1



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


Results of the Security Research Call 1 FP7-SEC-2007-1 (selection)

~156.5 M€

Funding schemes	Number of proposals received	Requested grant (M€)	proposed budget (M€)	Success rate	Proposed number of projects
IP	42	359,5	51,2 %	80,1 / 5	8 (2)
CP	239	650,3	41%	64.1 / 10	24 (7)
CSA	44	34,8	7,6%	11.8 / 4	12 (4)
TOTAL	325	1.045	100 %	156.1 / 8	44 (13)

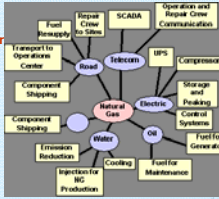
Outline

- 1st FP7 Calls
- Next Calls



Protection of Critical Infrastructures Challenges

- **Liberalization, Deregulation**
- **Global, Cross border CI's**
 - Different policy & regulatory framework
 - Different protection measures and technologies
- **Openness & Interconnection**
 - Interdependencies
 - Large scale, multi layer systems
 - Complexity, Chaotic Behavior
 - New Vulnerabilities, Cyber-threats
- **Law enforcement, Crisis Management**




Protection of Critical Infrastructures The Context

Policy

- 2004:** EU program on CIP (EPCIP) and CI Warning Info Network (CIWIN)
- 2006:** Communication and Directive on EPCIP – sectoral approach
- 2007:** Communication on Protecting Europe's Critical Energy and Transport Infrastructure
- 2007:** INFSO consultation process for policy initiative in ICT sector

Research

- IST-FP6 (2002-2006)**
9 RTD projects, 36M€EU funding
- PASR (2004-2006)**
5 projects for about 11,5M€-total cost
- FP7: Joint ICT-Security Research Initiative**



Joint Call between Security and ICT Themes Critical Infrastructure Protection (1)

Aims

- Create more secure and dependable Critical Infrastructures (CI's)
 - Protect CI's against deliberate acts of terrorism, natural disasters, negligence, mismanagements, accidents, computer hacking, criminal activity and malicious behaviour
- Develop new technical solutions that support and refine the policy options and legislative processes
- 'Coalition formation' and 'consensus building'


Joint Call between Security and ICT Themes Critical Infrastructure Protection (3)

Focus of the ICT Theme – Budget: 20 m€

Technology building blocks for creating secure, resilient, responsive and always available **information infrastructures** linking critical infrastructures (CI's)

Saturday 04 NOV 06 at 22:10
A system disturbance of the electricity grid originated in Germany led to disruptions of supply in many EU countries

Area 1 under frequency
Area 2 over frequency
Area 3 over frequency



- Understand and Manage complex interconnected and interdependent CI's;
- Build secure and resilient networked and distributed information and process control systems;
Risk analysis, security configuration & management, forensics;
- Develop research roadmaps, metrics, best practice
International-Cooperation activities, ...

Joint Call between Security and ICT Themes Protection of Critical Infrastructures (4)

Focus of the Security Theme – Budget: 20 m€

Technology building blocks for secure, resilient and always available **transport & energy infrastructures** that survive malicious attacks or accidental failures and guarantee continuous provision of services

- ICT-SEC-2007-1.0-01:** Risk assessment and contingency planning for interconnected transport or energy networks
- ICT-SEC-2007-1.0-02:** Modelling and simulation for training
- ICT-SEC-2007-1.0-03:** Optimised situational awareness through intelligent surveillance of interconnected transport or energy infrastructures
- ICT-SEC-2007-1.0-04:** ICT support for first responders in crises occurring in critical Infrastructures

Joint FP7 Call between Security and ICT Themes Critical Infrastructure Protection Expected Impact

- Improving significantly the security, performance, dependability and resilience of CI's (while considering also organizational, human, societal and legal aspects)
- Reinforcing European industry's potential for leadership
- Increasing and preserving trust in the use of technologies for the protection of CI's
- More effective protection through enhanced co-operation, coordination and focus
- Contribution to the development and promotion of metrics, standards, evaluation & certification methods and best practice in security of CI's

Budget Call and Information

- Indicative Call Budget: 40 m€**
 - Collaborative Projects: Up to 36 m€
 - Coordination and Support Actions: Up to 4 m€
- Information Day in Brussels on 27 SEP 2007**
 - further info will become available at the dedicated web site:
http://cordis.europa.eu/fp7/ict/critinfo/home_en.html
- Web Site on the Joint Call**
http://cordis.europa.eu/fp7/dc/index.cfm?fuseaction=UserSite.CooperationDetailsCallPage&call_id=70

Timing of the Joint Call

Call FP7/ICT-SEC-2007-1

40 M€
(20 M€ ICT,
20 M€ Security)

03 August 2007	Publication
29 November 2007	Deadline
3 rd week January 2008	Evaluation
February – March 2008	Screening of Sensitive Proposals
March – April 2008	Inter-Services Consultation
March – April 2008	Meetings of Programme Committees (ICT & Security)
April - May 2008	Start of negotiations
2 nd half 2008	1 st set of grant agreements signed

Practical Guidelines for Proposers

- When submitting a proposal: indicate in which Theme your proposal fits best (ICT or Security)
- Proposals must not contain any classified information
- Special handling of proposals requiring classified inputs or producing classified outputs [Special Committee Procedure, SAL]
- All topics open for international cooperation
- Associated countries treated like Member States
- For the topics of the Security Theme only:** All 4 topics are open for 75% EC funding
 - If 75% funding is requested, demonstrate in the proposal that the required conditions apply!
- Involve End users!
- Electronic submission of proposals

Further Information & Contact

- **Call information**
 - CORDIS call page and work programme, evaluation forms: <http://cordis.europa.eu/fp7/calls/>
- **General sources of help:**
 - The Commission's FP7 Enquiry service : <http://ec.europa.eu/research/enquiries>
 - National Contact Points : http://cordis.europa.eu/fp7/ncp_en.html
- **Specialised and technical assistance:**
 - CORDIS help desk : http://cordis.europa.eu/guidance/helpdesk/home_en.html
 - CORDIS FP7 service : cordis.europa.eu/fp7/participate_en.html
 - Risk sharing financing facility (European Investment Bank): <http://www.eib.org/rsff>
 - EPSS Help desk e-mail: support@epss-fp7.org
 - IPR helpdesk <http://www.ipr-helpdesk.org>
 - ICT Information Desk email: ict@ec.europa.eu
 - Security Information Desk e-mail: entr-security-research@ec.europa.eu
- **Contacts for the Joint Call:**
 - [ICT Theme] Angelo Marino AT ec.europa.eu
 - [Security Theme] Laurent Cabrol AT ec.europa.eu

Working as an expert on EU projects

Registering as an expert for evaluations and reviews of EU projects:
<https://cordis.europa.eu/emmf7/>