

Funding ICT Trust and Security Research in the EU: current priorities and the way forward

Massimo Cisco

DG Information Society and Media

Unit F5 “Trust and Security”

FORWARD Workshop

Nice, 4-5 May 2009

The views expressed in this presentation are purely those of the speaker and may not in any circumstances be regarded as stating an official position of the European Commission.



Summary

- Where do we stand: quick overview of WP 07-08 themes and funded projects
- Where do we want to go: the priority areas of WP 09-10
- Funding opportunities → ICT Call 5

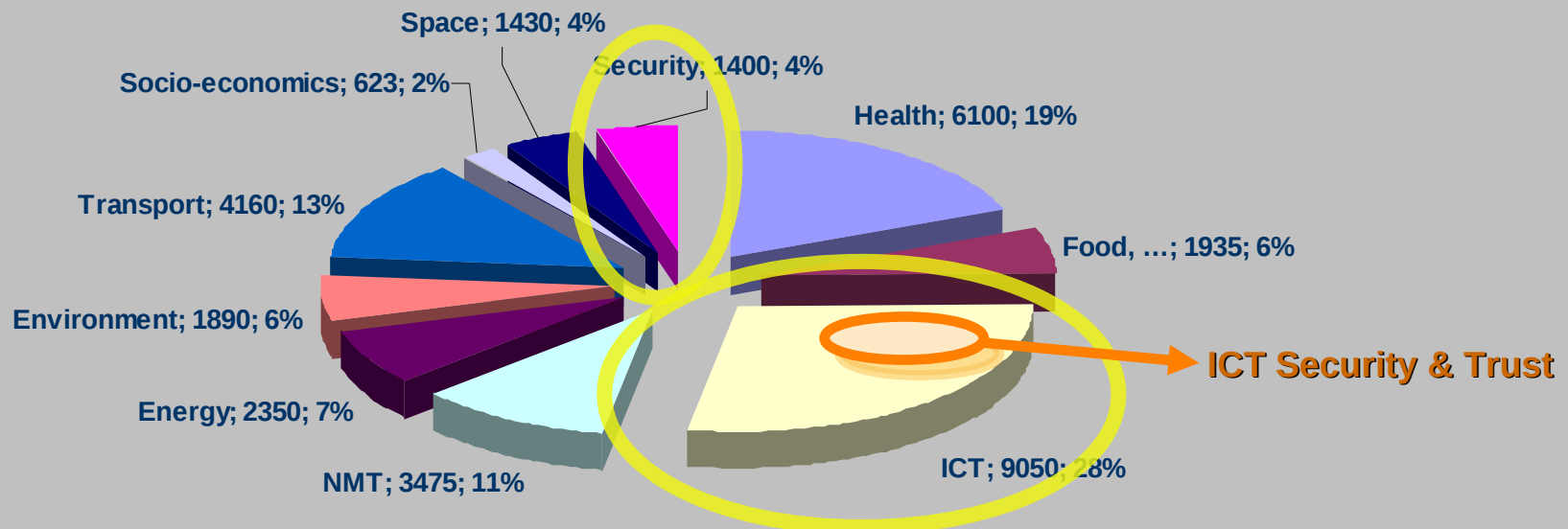


7th EU Research Framework Programme FP7: 2007-2013

Total 50,521 M€



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



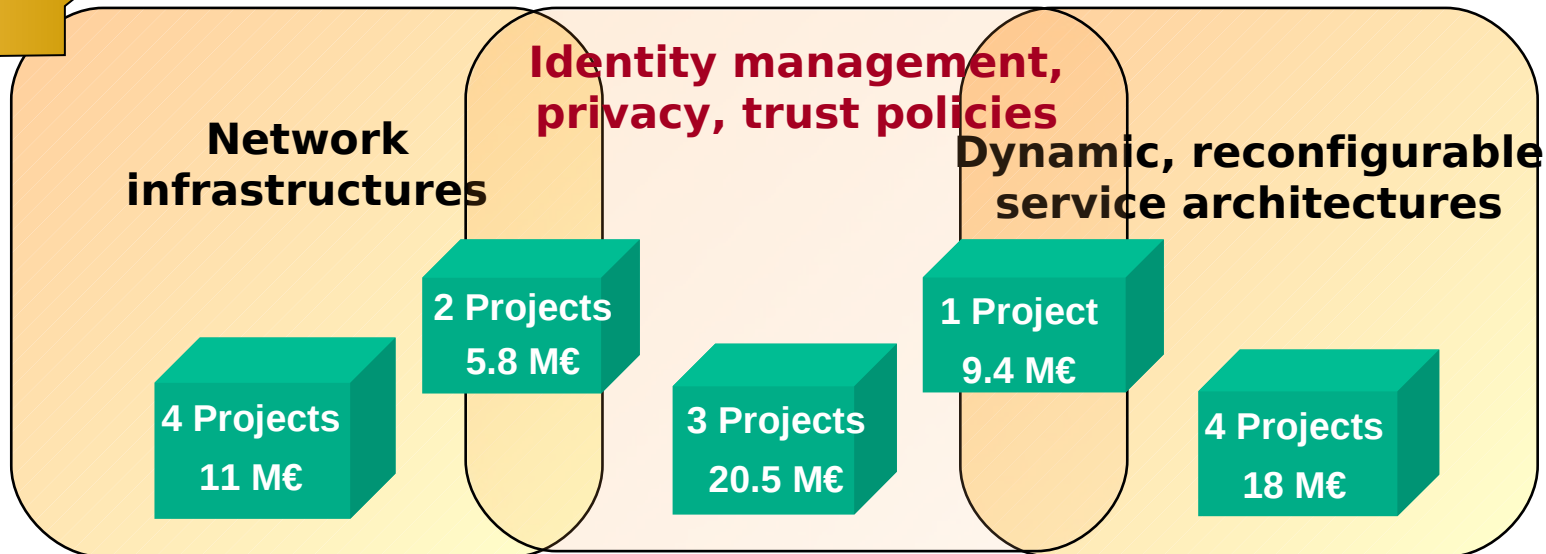
Strengthening Competitiveness through Co-operation



ICT Work Programme 2007-08

Security & Trust in perspective

110 M€



Critical Infrastructure Protection

8 Projects: 16.3 M€

Enabling technologies for trustworthy infrastructures

Biometrics, trusted computing, cryptography, secure SW

6 Projects: 22 M€

Coordination Actions

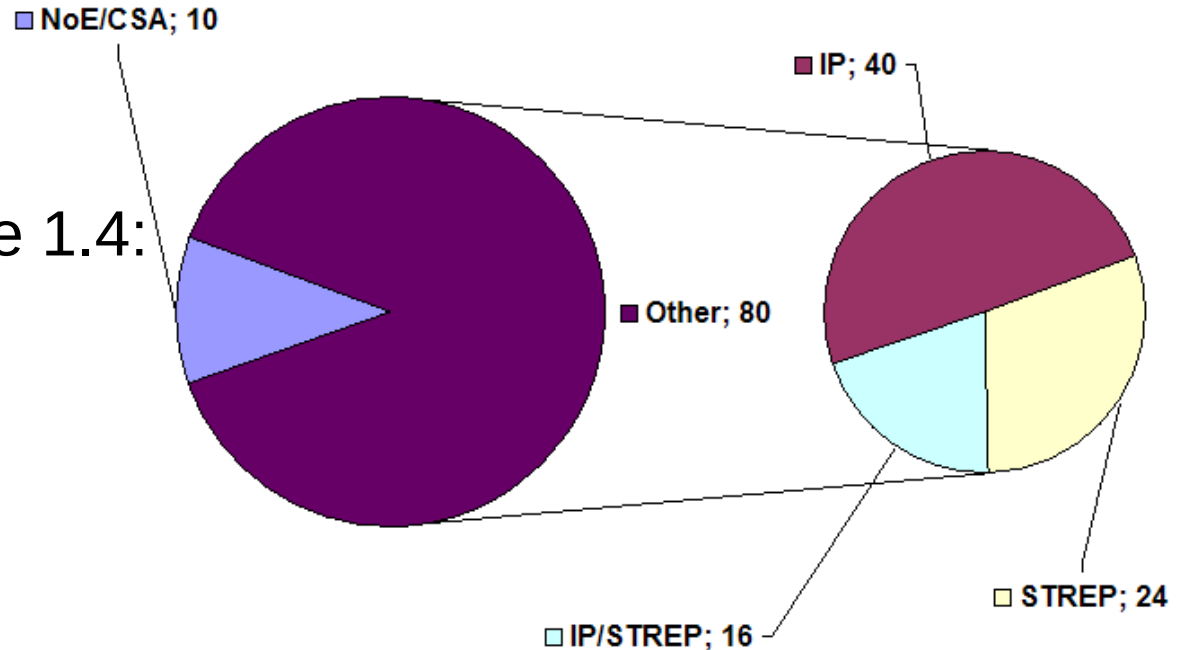
Research roadmaps, metrics and benchmarks, international cooperation, coordination activities

5 Projects: 7 M€

ICT Work Programme 2009-10

Budget for Objectives 1.4 and 9.2

- **90 M€ for Objective 1.4: Trustworthy ICT**



- **0.3 M€ for Objective 9.2: Supplements to Support International Cooperation between Ongoing Projects (ICT Call 5, for projects from objectives 1.4 and 1.7)**



Trustworthy ICT

Trustworthy → *Secure, reliable and resilient to attacks and operational failures; guaranteeing quality of service; protecting user data; ensuring privacy and providing usable and trusted tools to support the user in his security management.*

The Future Internet → *A conglomerate of heterogeneous networks and systems on a scale larger than ever before*



ICT Call 5

Objective 1.4: Trustworthy ICT Priority Areas

- a) Trustworthy Network Infrastructures** (call for Integrated Projects - IP)
- b) Trustworthy Service Infrastructures** (call for Integrated Projects - IP)
- c) Technology and Tools for Trustworthy ICT** (call for Small or Medium-scale Focused Research Actions - STREP)
- d) Networking, Coordination and Support** (call for Networks of Excellence - NoE - and Coordination and Support Actions - CSA)



Priority areas for Trustworthy ICT in WP09-10

90 M€
Call 5

Trustworthy Network
Infrastructures

Trustworthy Service
Infrastructures

IPs: min 40 m€

STREPs: min 24 m€ Technology and Tools for Trustworthy ICT

NoEs, CAs
10m€

Networking, Coordination and Support



Trustworthy Network Infrastructures

IP

- Building and managing the Future Internet
- Monitoring and managing threats
- Trustworthy communication, computing and storage (real-time management, virtualisation)
- Experiments and demonstration
- Attention to usability, social acceptance, economic and legal viability



Trustworthy Service Infrastructures

IP

- Privacy protecting interoperable services on the FI
- User-centric, privacy respecting ID for individuals, things and virtual entities
- Adaptive frameworks for managing trust throughout life-cycle
- Experiments and demonstration
- Attention to usability, social acceptance, human self-determination and privacy, economic and legal viability



Technology and Tools for Trustworthy ICT

STREP

- Focused technology development
 - in the network (control, things, malware)
 - for services (ID and privacy mgt tools, risk mgt, verification, certification)
 - for data management (assurance, integrity, availability, risks, long term storage)
 - Software assurance, secure software
 - enabling technologies (biometrics, crypto, trustworthy communication, virtualisation, metrics, certification)



Networking, Coordination and Support

NoE, CSA

- Threats and vulnerabilities
- Security and resilience in software and services
- Economics of security
- Interoperable standards, certification
- Legal and societal aspects of technology
- International cooperation

NoE particularly relevant for the first 3 topics



Objective 9.2: “Supplements to Support International Cooperation between Ongoing Projects”

Target outcome

- Cooperation between ongoing FP7 ICT projects with 'partner-projects' funded in other industrialised countries that have an appropriate S&T Agreement
- Partner-projects must be able to demonstrate the availability of at least a similar budget for support to the cooperation before the grant is awarded

Budget: 0.5 M€

- Max 100 K€ per proposing project for travel and meetings with the partner project

Call

- ICT Call 5 (0.3 M€)
- For ongoing projects under ICT WP 2007-08 Objectives:
 - ICT-2007.1.4 (Secure, dependable and trusted Infrastructures)
 - ICT-SEC-2007.1.7 (joint call with the Security Theme)

Objective 9.2: “Supplements to Support International Cooperation between Ongoing Projects”

- **USA** → contact points: **Karl Levitt**, NSF ([klevitt \[AT\] nsf.gov](mailto:klevitt@nsf.gov))
Suzi Iacono, NSF ([siacono \[AT\] nsf.gov](mailto:siacono@nsf.gov))
- **Australia** → contact points:
Aruna Seneviratne ([Aruna.Seneviratne \[AT\] nicta.com.au](mailto:Aruna.Seneviratne@nicta.com.au))
Vijay Varadharajan ([vijay \[AT\] mq.edu.au](mailto:vijay@mq.edu.au))
- **Canada** → contact point: **Mihaela Ulieru** ([ulieru \[AT\] unb.ca](mailto:ulieru@unb.ca))
- **Japan** → contact point: **Sofia Suzuki**, JST ([s2suzuki \[AT\] jst.go.jp](mailto:s2suzuki@jst.go.jp))
Takashi Nanya ([nanya \[AT\] hal.rcast.u-tokyo.ac.jp](mailto:nanya@hal.rcast.u-tokyo.ac.jp))
- **Korea** → contact point: **Heung-Youl Youm** ([hyyoum \[AT\] iita.re.kr](mailto:hyyoum@iita.re.kr))



ICT Call 5 Call Details

- Expected date of publication : **31 July 2009**
- Deadline for submission of proposals: **3 November 2009**
- More info at:

http://cordis.europa.eu/fp7/ict/security/fp7-calls-trustworthy_en.html

http://cordis.europa.eu/fp7/ict/security/fp7-calls-international_en.html



Upcoming events

- ICT Fair for Trust and Security Research
Olomouc, CZ, May 14th 2009
<http://www.ictsec-olomouc.eu>
- Info day in **Brussels, June 18th 2009**
More info will be available soon at: <http://cordis.europa.eu/fp7/ict/security>

