

# ICT-PSP Call 3

Work Programme 2009 - Theme 7  
Internet Evolution and Security (incl. RFID)

**Dirk van Rooy**  
**DG INFSO/F5**  
***Trust and Security***

**Florent Frederix**  
**DG INFSO/D4**  
***Networked enterprise and radio  
frequency identification***



# ICT-PSP Call 3

## Work Programme 2009 - Theme 7 Internet Evolution and Security (incl. RFID)

### **Objective 7.1: A European infrastructure for secure information management**

**Dirk van Rooy**  
***DG INFSO/F5***  
***Trust and Security***

# Data collection and use in the interest of the citizen

for **business**, to provide personalized innovative applications and services

for **citizens**, to better communicate and interact, improve the quality of their life (Web 2.0)



for **governments** to service citizens and business (e-government, e-education or e-health)

for **governments** again, to provide **public security** (protection against crime or terrorism, border-control, protection of critical infrastructures, etc.)

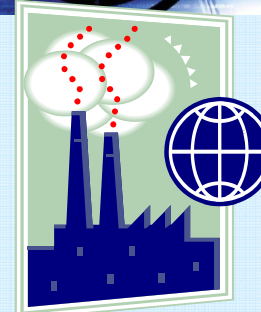
**trust, user-control, privacy, security  
proportionality of data storage/use?**



# Challenges for upcoming RTD for a Trustworthy Information Society

## • Technology

- Cyber-threats, cyber-crime
- The Future of the Internet
- Complex ICT Systems and Services underpinning Critical Infrastructures



## • Users and Society

- Trust, accountability, transparency
- Identity, privacy and empowerment
- Creativity, Usability
- Human values and acceptance



# ICT Work Programme 2007-08

## 33 new FP7 projects in Security & Trust

110 M€

Network  
infrastructure

4 Projects  
11 m€

Identity management,  
privacy, trust policies

3 Projects  
9.8 m€

4 Projects  
22.5 m€

1 Project  
9.4 m€

ic, reconfigurable  
ce architectures

4 Projects  
18 m€

**Critical Information Infrastructure Protection**

9 Projects: 20 m€

**Enabling technologies  
for trustworthy infrastructures**

Biometrics, trusted computing, cryptography, secure SW

4 Projects: 16 m€

**Coordination Actions**

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

4 Projects: 3.3 m€

# Previous ICT PSP Calls

## Trust & Security

### ICT PSP Call 1

- **PrivacyOS** thematic network
- 332.000€ funding, 17 partners
- [www.privacyos.de](http://www.privacyos.de)

### ICT PSP Call 2

- Thematic network on biometrics currently under negotiation

## ICT PSP – WP2009 - Objective 7.1

### A European infrastructure for secure information management

#### Focus and outcomes

- **Integration of available technologies for secure information management systems**
- **Piloting deployment in public administrations and private organisations**

#### Rationale

- Many technologies for data & privacy protection exist
- Insufficient deployment, leading to data leakage, loss & theft
- International standards exist

#### Main expected outcomes

- **functional pilot, possibly with applications in different areas**
- **under typical real-life conditions; transferable deployment principles; best practices**
- **contributing to convergence across European organisations**

## **ICT PSP – WP2009 - Objective 7.1**

### **A European infrastructure for secure information management**

#### **Conditions and characteristics**

- **Integration of available security technologies, techniques, tools, policies and procedures into a functional pilot**
- **Technologies such as encryption, single sign-on, strong authentication, role definition, distributed data storage**
- **Combine best available technologies and practices, European convergence**
- **Economic viability for real-life deployment**
- **Public-private partnerships, solution and service providers in ICT security, public admin, private data controllers**

## ICT PSP – WP2009 - Objective 7.1

### A European infrastructure for secure information management

#### Expected impact

- **Towards operational and comprehensive secure information management in daily work environments**
- **Limit information loss; limit unintended use of information; promote accountability**
- **Increase trust in eServices**

#### Instrument & funding:

- One pilot project, type B, up to 3 M€ funding
- minimum 4 eligible legal entities (Member States or associated)
- typical duration 24-36 months, with 12 months pilot operating service

## **ICT-PSP Call 3**

Work Programme 2009 - Theme 7  
Internet Evolution and Security (incl. RFID)

# **Objective 7.2 : Strengthening SME competitive advantage through RFID implementation**

Florent Frederix  
Head of Sector, DG INFSO  
European Commission

# Background

- Policy
  - Communication COM(2007) 96
  - Recommendation on Privacy, Data Protection and Information Security Aspects
- RTD
  - ICT in FP7 → from RFID to the “Internet of Things”
  - CERP Cluster
  - European technology platform (ETP): EPoSS
- Innovation
  - ICT Policy Support Programme (PSP) in CIP
- Standardisation
  - Cooperation with standardisation bodies
    - ETSI, CEN/CENELEC, EPCglobal...

## Part 2: RFID in ICT PSP

- Competitiveness and Innovation programme (CIP)
  - *Theme 7: Internet Evolution and Security (including RFID);*
  - *Objective 7.2: Strengthening SME competitive advantage through RFID implementation.*

*(One pilot type B, budget EUR 3M )*

# RFID in ICT PSP (1)

- Theme 7
  - *Internet Evolution and Security (including RFID)*
- Objective 7.2
  - *Strengthening SME competitive advantage through RFID implementation*
- Funding Instrument: Pilot Type B
- It is intended to support one pilot action (3M Euro)

# RFID in ICT PSP (2)

**To showcase and accelerate the take-up of RFID technologies among European SMEs**

- Enhance SMEs competitiveness
- New product and service creation
- Widespread use of the RFID value chain
- Add value for society, citizens and organisations
- Build on FP7 RTD (e.g. open source ASPIRE)
- Lower cost of ownership for SMEs

# Conditions and characteristics (1)

- Pilot in sectors of broad public interest
  - Healthcare, safety, environment,
  - Administration, transport, logistics, event management ...
- Pilot implements entire value chain
  - Specification, re-engineer value creation, end-to-end services,
  - Impact on competitiveness and productivity gains, privacy and authentication issues.

# Conditions and characteristics (2)

- Technological innovative pilots
  - Passive, active and/or sensor tags
  - RFID and/or emerging Internet of Things
- Pilot participation
  - Minimum of 4 countries
  - Include relevant stakeholders to form visible and comprehensive showcases
  - Pilots associating public authorities preferred
  - As high as possible SME participation

# Conditions and characteristics (3)

- Pilot length
  - Pilot should be operational for  $> 9$  Months
  - Whole pilot project approx. 24 Months
- Pilot outcome
  - Specification, implementation and validation reports
  - Awareness raising and promotion material
  - Good practices report & website
  - Business plan beyond end of project

# Conditions and characteristics (4)

- Pilot management
  - Measurable pilot success indicators
  - Ensure interoperability
  - Contribute to relevant standards
  - Build on best practices

# Expected impact (1)

- Accelerate take-up of RFID by SMEs
- Analysis of driving forces to RFID adoption
  - Competition (efficiency, competitive advantages...)
  - Legislation (traceability, e-pedigree ...)
  - Customer mandates (retail, logistics...)
- Fostering SME demand for RFID technologies
  - Wider markets for suppliers RFID solutions
  - More innovative SMEs

# Wrap up: IoT in Fp7 and in PSP

- Framework 7 work programme 2008 - 2009
  - *Challenge 1: Pervasive and Trustworthy Network and Service Infrastructures*
  - *Objective 1.3: Internet of Things and Enterprise environments.*

*( IP/STREP EUR 35 M and CSA EUR 2 M Timing: ICT Call 5 )*
- Competitiveness and Innovation programme (CIP)
  - *Theme 7: Internet Evolution and Security (including RFID); Objective 7.2: Strengthening SME competitive advantage through RFID implementation.*

*(One pilot type B, budget EUR 3M )*