

Research for Security and Trust in ICT

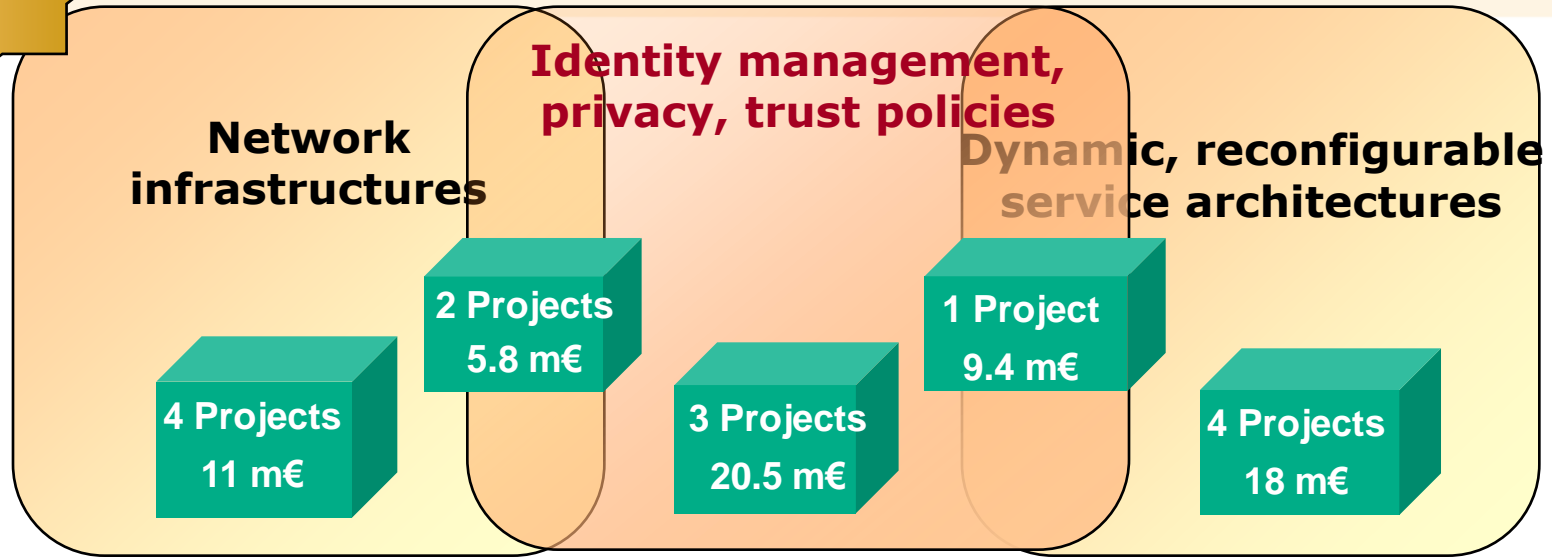
**EU – Japan Symposium
On NGN and Future of Internet
9-10 June, 2008 – Brussels**

**Jacques Bus, Head of Unit
DG Information Society and Media**



Security and Trust in FP7 - ICT WP 2007-08

110 M€



Critical Infrastructure Protection

9 Projects: 20 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

4 Projects: 3.3 m€

Project content – some details



Security in Network Infrastructures

- Resilience of and across heterogeneous networks
- Data gathering and analysis for understanding and preventing cyber threats

Security in service infrastructures

- Assuring security level and regulatory compliance
- Specification and validation of trust and security of SOAs

User-centric identity and privacy management

- Trusted SOA enabling user-centric data mgt policies
- Privacy-preserving network monitoring

Security Enabling technologies

- Crypto; Trusted Computing; Biometrics
- Secure software and software assurance

Critical Infrastructure protection

- Interactions and complexity in ICT with other infrastructures
- Secure and resilient information and process control systems



Trusting The Future Internet

■ *Securing the architecture*

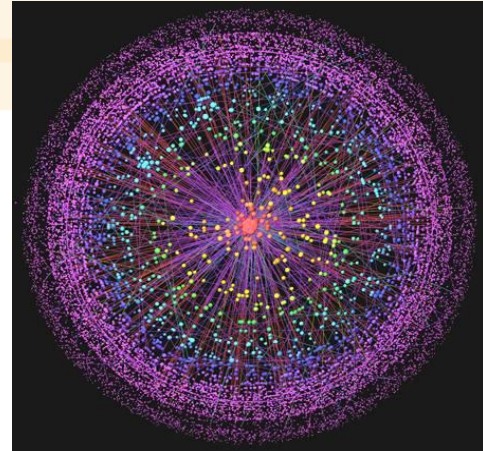
- Secure, trusted and privacy respecting architecture
- Secure network management & control
- Virtualisation and overlays, introducing location and time

■ *Protection against Threats*

- Threat prediction and prevention
- Self-protection and resilience

■ *Privacy, IDM and Trust*

- Identity in the Future Internet (persons, things, virtual entities)
- Trust instantiation in the Future Internet



INCO Trust Coordination Action

INCO-TRUST → 30 months, 830 K€ EC funding



■ International Cooperation in ICT Security & Trust

→ EU (EC), USA (NSF, DHS), Japan (JS&T Agency),
Australia (NICTA), Canada, S. Korea



■ Coordinating EU- International research efforts in ICT TSD

→ Meeting in Tokyo (May 2008) with Jap S&T Agency (Tosniaki Ikoma)

→ Workshop September 2009 expected to be held in Australia or Japan