



EU Research for Security

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EU Research for Security

- Introduction
- Security research in FP / IST
- Towards a new European Security Research Programme (ESRP) in 2007
 - **Group of Personalities (GoP)**
 - **Communication « Security Research- the Next Steps »**
 - **Preparatory Action for Security Research (PASR)**
- Next Steps



A comprehensive EU approach to Security

International Co-operation • OECD, G8, Council of Europe, UN, ITU, ...		
Economic, business and social aspects of security in Information Society	Cyber-crime, Internal security	External security / defence
• Electronic Signature • Data protection in elect. com. • Network & information security (CIIP) • Identity and Privacy mgt • Culture of Trust and Security • ENISA • digital right management, biometrics, smart card, IPv6,	• Framework Decision on attacks against information systems • Lawful interception • G8 CIP • e-identification / e-authentication • biometrics in visas and residence permit	• Dual use technology research • Crisis management • Peace keeping • State institution building
Preparatory Action Security Research		
Research and Technology FP6, FP7 (Security Research, ICT, Space, etc.)		



Current IST Research Activities: *network and information security*

... In an Ambient Intelligent environment

- Dependability
- Anomaly and attacks detection/avoidance
- Protection of digital assets
- Critical Information Infrastructure Protection & interdependencies
- Cryptography, electronic signatures and PKI
- Mobility, wireless and reconfigurability
- Next generation networks and computing models
- Smart Cards and Access technologies
- Biometrics
- Pre-normative/standards research



Why Multidisciplinary Mission-oriented European Security Research ?

- “A Secure Europe in a Better World »(Dec. 2003): new threats, more diverse and less predictable
- European security culture
- Credible EU technology basis and competitive security industry
- Synergies: civil - military research; public – private use
- Coherence & coordination; reduce fragmentation & duplication
- Improve interoperability
- increase EU investments in RTD: **towards 3%** for growth



Group of Personalities (GoP)

- 2003: Commission initiative; 27 Personalities from politics, European Parliament, governments, Industry, Research & Academia; chaired by Commissioners Busquin and Liikanen
- **GoP main recommendations**
 - Coordinate national, intergovernmental and community RTD efforts
 - Bridge gap between civil & defence security research.
 - Establish European Security Research Advisory Board
 - Launch European Security Research Programme (ESRP) in FP7
 - In line with EU security strategy
 - ...while respecting individual rights and liberties and democratic values
 - In good cooperation with EU Defence Agency and all stakeholders



EC Communication

« Security Research-The Next Steps »

- Adopted 7 September 2004
- Subscribes to main thrust of GoP report
- Actions in 4 domains:
 - Consultation and cooperation with stakeholders (ESRAB)
 - Launch ESRP
 - Effective institutional setting (EDA)
 - Appropriate governance structure



Consultation & Cooperation

- European Security Research Advisory Group (ESRAB)
 - Experts from: users, industry, research organisations
 - Advise on content and implementation of ESRP
 - Establish user needs
 - Encourage cooperation between Member States (IPR, information classification and protection)
- Coordinate ESRP with other research at Community, intergovernmental, national level or with international organisations (incl. NATO, OECD)



ESRP from 2007

- Draft ESRP in spring 2005 (content, financial plan, rules of participation) as one specific programme of FP7
- Give ESRP an appropriate level of funding (additional to existing RTD funding in FP), thus contributing to the 3% GDP Lisbon
- Decision by EP and Council on FP7 end 2006



An effective institutional setting

- In line with EU Security Strategy and CSFP, ESDP
- Cooperation and Synergies with the European Defence Agency (EDA)
 - Commission to be part of the Steering Board of EDA
 - Administrative arrangement to organise working relations with EDA
 - Possible EC contribution to specific EDA projects
 - Role of EDA in ESRP Advisory and management structure



ESRP governance structure

- Effective management, with involvement of industry, research and (public) user stakeholders, use EC experience in managing RTD Programmes
- Appropriate contracts, participation and funding mechanisms (e.g. classified information; civil/military application)
- Use specific experience to be gained from the Preparatory Action



Preparatory Action for Security Research (PASR)

- An initiative of the European Commission
- Outside the 6th framework programme, but with procedures adapted from FP6
- Planned duration of 3 years (2004-2006)
- A total planned budget of € 65 Mio, of which € 15 Mio for 2004
- Funding up to 75%
- 2 types of activities: projects & supporting activities



PASR: Mission Priorities

- Improving situation awareness
- Optimising security and protection of networked systems
- Protecting against terrorism (including bio-terrorism and incidents with biological, chemical and other substances)
- Enhancing crisis management
- Achieving interoperability and integrated systems for information and communication



PASR Characteristics

- Projects (1 – 2 years)
 - Mission-oriented or Related to Interoperability or Citizen-oriented
 - Tangible results
 - Multidisciplinary
 - Involving final users
- Supporting activities (0.5 – 3 years)
 - Standardisation activities
 - Dissemination, networking and coordinating activities
 - Activities relevant to the need to improve the security of the European citizen and society
 - RTD roadmaps



PASR 2004 - First Call for Proposals

- Call: open 31 March, closed 23 June
- Received: 179 proposals, of which 173 are eligible
 - 50 supporting activities
 - 123 projects
- Evaluation: 5 to 10 July, with assistance of 57 evaluators, mainly from Member States
- Retained for contract negotiations:
 - 7 projects (*on THz detection, CBRN, training, SecCom, surveillance, space, critical infra*)
 - 5 supporting activities (*crisis management, research roadmapping etc.*)

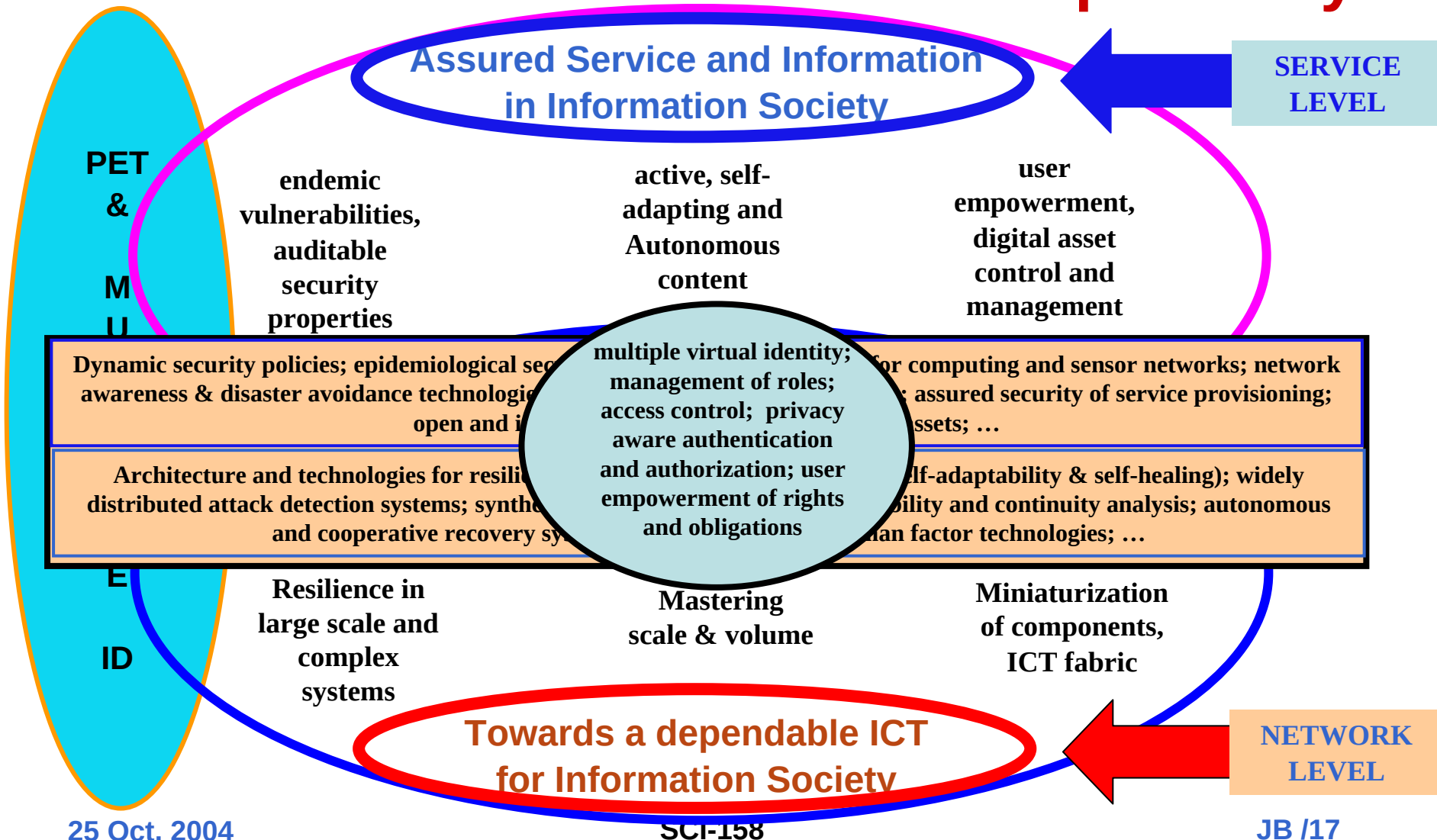


PASR- Next Steps

- Pursue Preparatory Action implementation (2004-2006)
- Establish a European Security Research Advisory Board (ESRAB)
- Develop cooperation and synergies with EDA
- Prepare the future ESRP
- Initiate wide consultation of security research stakeholders, incl. NATO bodies
- Establish contacts with US DHS



FP7/IST - Towards resilience and plasticity





More information?

- <http://europa.eu.int/comm/research/security>
- <http://www.cordis.lu/security>
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