



RAPID

Roadmap for Advanced Research in Privacy and IIdentity Management Technologies

**Projet du 8^{ème} appel du 5^{ème} PCRD
(février 2002)**

*Yves Deswarte
LAAS-CNRS, Toulouse*

Objectifs



- **Community building**
 - Identify the key actors and form a critical mass of industrial and academic research players to lead and conduct future R&D.
 - Identify wider community of stakeholders (DPA, Citizen rights, ...)
 - Industry and international cooperation (Associations, W3C, ...)
- **Roadmapping**
 - Identify socio-economic, legal drivers for PETs and IM
 - Identify the R&D challenges and needs for PET and Identity Management technologies in the next 5 years.
 - Possible implementation models, including education/awareness
- **Achieve consensus on RTD priorities with stakeholders**
- **Coordinate with related roadmap initiatives (Dependability, Biometrics, Smart Cards, ...)**

Information sources to consider



- **Privacy workshops in 2001/2002**
 - Privacy and Identity in the IS: Emerging Technological challenges; 4-5 October 2001
 - Digital Identity; 10-11 December 2001: Focus on wider socio-economic, legal issues
 - Privacy and Identity in the IS: Systemic Risks; 5-6 February 2002
- **Privacy related projects in current RTD programmes:**
 - FP5 / IST (PISA, GUIDES, DRIVE, MAFTIA, PRIDEH, ..)
 - Other programmes in Europe (national & international): P3P
 - RTD programmes in other countries world-wide (US, Canada, .)
- **Standard initiatives reports**

3

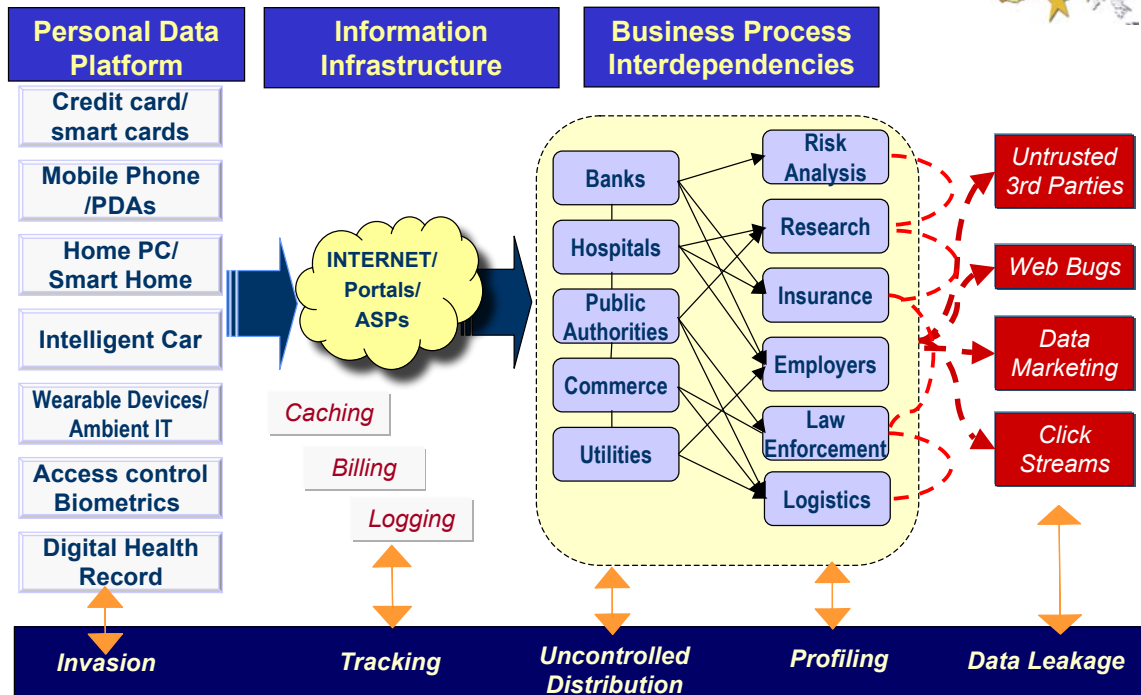
High-level set of R&D challenges



- **New computing paradigms:**
Ambient Intelligence, virtual identities, complex interactions of agents and systems, intelligence in infrastructure, m-commerce, e-health, e-gov
- **Socio-economic-legal:**
crime prevention (identity theft), new legal entities for identities.
- **Multiple and dependable identity management:**
user controlled identity disclosure
- **PETs for Enterprise:**
Control disclosure in Multi-party complex organisations, data transfer
- **PETs in infrastructure:**
privacy preserving authorization schemes, secure comm., anonymity control, design for privacy
- **Open Source PET solutions**

4

Privacy Issues



5

Work packages



1. Community building

Report: Inventory of players and activities (M4)

2. Roadmap development (focus WG)

- Socio-economic drivers, legal drivers
- Technology roadmap (technology streams)

Report: R&D roadmap for Privacy and Identity Management (M9, M12)

3. On-line knowledge base + Public outreach

Web forum (M1)

Consensus workshop (M8)

4. Project management

6

Organisation



- Co-ordinating group
 - PriceWaterhouseCoopers (NL) : Otto Vermeulen
 - SGOA (NL) : John Borking
 - W3C (INRIA - F) : Rigo Wenning
 - KU Leuven (B) : Jos Dumortier
 - LAAS-CNRS (F) : Yves Deswarte
 - Université de Milan (I) : Pierangela Samarati
 - TNO (NL) : Jan Huizenga
 - Université de Tilburg (NL) : Paul Frissen
- Financial support from EC: 400 K€ for 12 months
- Support services for logistics, technical infrastructure (webtool), method, links with other roadmap initiatives: JRC with own institutional budget outside the proposal budget.
- **Wider community involvement in an open process**
(18 support letters included in the proposal)

7



Pour plus d'information :

Yves.Deswarte@laas.fr