Why is privacy & identity management a “hot topic”?

Unwilling to give control to others.

Willing to share Privacy & Identity openly.

PrimeLife: Sustainable privacy, trust and identity management to future networks and services
Project “PrimeLife”, funded by the European Union

- **Goal: Bringing sustainable privacy, trust and identity management to future networks and services.**
  - fundamentally understanding privacy-enhancing identity management for individual persons.
  - bringing privacy to the future web.
  - making tools for privacy-friendly identity management widely available.

- **G&D’s part:**
  - Trusted infrastructures and services for identity management:
  - New “trustworthy” computing environments.
  - Management of “trustworthy” computing environments in IT infrastructures.
  - Trusted Devices as identity management tools.
  - Standardisation of security and authentication for Trusted Devices.
Project “PrimeLife”, funded by the European Union

- # 1 proposal of 92 applications, funded within the 7th Framework Programme (FP7)
  - Research budget of the consortium: 15 Mio. EUR

- Call: “FP7-ICT-2007-1”, Challenge 1: Pervasive and Trusted Network and Service Infrastructures“:
  - Objective 1.4: “Secure, dependable and trusted infrastructure”

- Time frame: March 2008 – February 2011
  - 4 industrial partners: IBM Research (Zurich), SAP, Microsoft (Germany), G&D
  - 8 universities: TU Dresden, U Frankfurt, U Mailand, U Leuven, U Karlstad (S), U Brabant (NL) and 3 research organisations (in France, AUT and GER)
Security of Service enhanced by Trusted Devices

- Secure Client/Trusted Component
  - Protected Identity (Full User Profile)
  - Shared Identities (Customized Profiles)
  - Alternative User Authentication/Alternative Identity Storage

- Secure Environment
  - Interface for Crypto-Authentication
  - Interface for Legacy Authentication (e.g., Username/Password)
  - Other Authentication Interfaces

- Secure Environments
  - Service A
  - Service B
  - Service C

- SOAs

- User

Internet Smart Card

Giesecke & Devrient
Potential Trust Anchors for Mobile Devices

- **External Card**
  - SIM-based SE
  - Removable SE
- **“Software” SE**
  - ATTACHED SE
  - EMBEDDED SE
  - SE IN PROCESSOR

- **CPU or NFC Controller**

- **Corporate ID Card**

- **Giesecke & Devrient**
Thank you very much for your attention