The initial challenge: “Identity” is changing

- IT puts more HighTech on ID cards
  - Biometrics to bind them closer to a human being
  - Chips to add services (such as a PKI)
- Profiles may make the „traditional“ ID concept obsolete
  - People are represented not by numbers or ID keys any more but by data sets.
  - Identities become “a fuzzy thing”.
- New IDs and ID management systems are coming up
  - Mobile communication (GSM) has introduced a globally interoperable „ID token”: the Subscriber Identity Module
  - Ebay lets people trade using Pseudonyms.
- Europe (the EU) consider joint ID and ID management systems
  - European countries have different traditions on identity card use
  - Compatibility of ID systems is not trivial
- “…

Future of IDentity in the Information Society

A FP6 Network of Excellence

OECD Workshop on Digital Identity Management
Trondheim, Norway (8th – 9th May 2007)

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Future of Identity in the Information Society (FIDIS)

**Vision:** Europe will develop a deeper understanding of how appropriate identification and ID management can progress the way to a fairer European information society.

**Why an EU FP 6 Network of Excellence?**
- Consequences of "new" IDs are unclear
- "Change" Trends come from different fields and disciplines
- Joint work will promote the European Information Society

**What can FIDIS offer (to Europe)?**
- A collection of information
- Coordinated expert publications (Deliverables available at www.fidis.net)
- Supporting the scene
  - Research Institutions
  - Scientific Communities
  - Standardisation Bodies (ISO/IEC JTC 1, ETSI, ...)
  - Decision makers

Interdisciplinary aspects of Identity Management

- Socio-Cultural
- Governmental
- Technological
- Economical
Identity Management
Types of IdM (Systems)

Type 1
- Management of own identities: chosen identity (= Tier 1)
- Profiling: derived identity
- Account Management: assigned identity (= Tier 2)

Type 2
- Management of own identities: derived identity
- Profiling: abstracted identity (= Tier 3)

Type 3
- Management of own identities: chosen identity
- Profiling: abstracted identity

There are hybrid systems that combine characteristics.

Identity Concepts
Partial Identities Illustrated

Anonymity
- foreign languages
- education
- home address

Work
- education
- job
- address
- income
- denomination

Public Authority
- foreign languages
- certificate
- insurance
- marital status
- phone number

Health Care
- health status
- blood group

Leisure
- hobbies
- nickname
- (dis)likes

Shopping
- credit cards
- account number

Identities Management
Questions: Integration of Identity Management

- How are the different identities, roles, and systems integrated?
- Which processes and workflows are actually affected?
- How is privacy and data protection handled?
- How to deal with compliance?
- Who is actually responsible?

Identity Management is not a purely technology driven topic.
Methodologies are needed to tackle these questions.

Questions and Answers

Thank you for your attention!
Any questions?

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