Global Forum 2010
Collaborative Government

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Nestor Lab. – University of Rome “Tor Vergata”

Nestor is a Research Laboratory (President: Prof. Maurizio Talamo) involved in:

- Large scale projects involving complex business processes between thousands of independent organizations (public and private)
- Privacy, Security, Data protection and preservation
- eID
- Multimedia

Nestor’s research and project experience results in international publications, patents and is integrated into standardization efforts
User identification is the first step to assure e-Gov or e-Business services.

But ... What is the “identity”?

- "Legal" identity (given at birth and stated in the birth registration)
- "New" personal data and attributes (Address, marriage, SSN ...)
- Identification (the process to identify a person using the attributes requested by the service)
How to distribute personal attribute updates?

**Events**

- Age
- Death
- Address Changes
- Marriage
- Immigration
- Emigration
- Weddings
  - And … others!

**Personal Attribute Updates**

- Health Care Institution
- Tax Register
- Retirement Agency
- Magistrate’s Court
- Police Headquarters
- Department of Motor Vehicles
- Regional Agencies
- Military Draft
- Other Public Administrations...

**Municipalities**
A single electronic credential for several online services: a challenging task
Interoperability

Assign to an identity an identifier

Common index: maintains the link between an identifier, attributes and services

The SCB recognizes and distributes personal data & attribute updates in a certified & secure way
Electronic credentials and eID

- Personal data archives and attributes are continuously updated and coherent
- It is possible to accurately link an identity certified by a credential (eID, others) with attributes known by the Organization that supplies the e-service: **identification, authentication & authorization**
- **Interoperability** means:
  - A standardized method to understand the security level of the different credentials
  - A common and coherent set of personal data among the parties
  - A common interoperability & cooperation standard (organizational & technical)
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THANK YOU!

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