



The EU-* schemas and a proposal for their evolution

Diego R. Lopez
RedIRIS



RedIRIS



- Several national/regional formalized schemas through NRENs
- Four declared in the latest TF-EMC2 survey (plus one):
 - The funetEduPerson schema
http://www.csc.fi/suomi/funet/middleware/valinen/funetEduPerson_1_0.txt
 - The hrEdu schemas
<http://www.srce.hr/aai/>
 - The iris-* schemas
<http://www.rediris.es/ldap/esquemas/iris.schema>
 - The norEduPerson schema
<http://cvs.sourceforge.net/viewcvs.py/gnomis/norEdu/norEduPerson.schema>
 - The SwissEduPerson schema
<http://www.switch.ch/aai/docs/swissedu.schema>
- Other initiatives we are not aware of

- Expressed as extensions to inetOrgPerson and eduPerson
 - Syntax
 - New attributes
 - New classes beyond personal information
 - Semantics
 - New attributes for extending eduPerson contents and vocabularies
- Mostly oriented to support national AAls
- Other applications envisaged somewhere
 - PKI
 - Grid and VO support
 - Yellow and white pages
 - Bi- and multi-lateral interactions (mail, IM, videoconf, lists)
 - Simplify directory management

- **Personal IDs constitute a central matter**
 - funetEduPersonIdentityCode, funetEduPersonStudentID
 - hrEduPersonUniqueID, hrEduPersonUniqueNumber
 - irisPersonalUniqueID
 - norEduPersonLIN, norEduPersonNIN
 - swissEduPersonUniqueID
- **Affiliations as well**
 - funetEduPersonMajorUniv
 - hrEduPersonHomeOrg
 - irisUserStatus
 - swissEduPersonHomeOrganization,
swissEduPersonHomeOrganizationType

- **National particularities of academic systems**
 - Curricula
 - Organizational aspects
- **Class components and attribute semantics**
 - MUST and MAY clauses in object classes
 - Limiting the vocabularies
 - The problem of references among multi-valued attributes
- **Focus of the schemas**
 - Shibboleth-based federations
 - Other federation systems
 - Extension to other application fields

- **Widely recognized as a real need**
 - Beyond NREN/community borders
 - eduroam-NG
 - Bologna process
 - The GN2 AAI
 - Collaborative tools
- **Learn from the TACAR example in the once cursed PKI area**
 - **Keep it simple**
 - Start from grassroots operative procedures
 - Use existing (or easy to build) infrastructure
 - **Make it happen**
 - Quickly reach rough consensus in the *clearest* areas
 - Concentrate on gaining critical mass

- A committee in charge of defining and promoting a common schema
 - Contributing attributes and expertise
 - Avoid reventing the wheel in several shapes
- Build an initial kernel from already existing local attributes
 - Agreement on syntax and semantics
 - Allocation to object classes
- Make the kernel evolve via a collaborative approach
 - Propose a new attribute/class
 - Period of comments by the rest of the group
 - Different voting rules for
 - Classes
 - Attributes
 - MAY or MUST definitions

- **TERENA**
 - The TF-EMC2 group can act as host of the committee
 - Several participants to the group have volunteered
 - Hosting the site for coordinating the activities
- **EUNIS**
 - Expertise at the campus level
 - Direct liaison to IT practitioners at universities
 - Direct connection with the Bologna process
- **NRENs**
 - Promote the schema within their constituencies
 - Making it part of the local schemas
- **Promote the schema in other international projects**
 - Coordinate with similar efforts

- Look for the initial group of people
- Offer the classes/attributes in our schemas we think can be applicable
 - In principle, no limitations about their application areas
 - We need an initial critical mass
- Produce and agree a policy document
 - Based on the experience of the initial discussions about the integration of the initial class/attribute proposals
- Identify the initial potential areas of application
 - EUNIS initiatives
 - GN2
- Look ASAP for cute bells and whistles