

# Directory schemas

## tf-emc<sup>2</sup>

Victoriano Giralt

Central Computing Facility  
University of Málaga

Málaga  
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# Outline

## 1 SCHAC Schema



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- 1 SCHAC Schema
- 2 URN registry proposal



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- 2 URN registry proposal
- 3 SCHAC based federated Student Registration System



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## Evolution and usage

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I think I know who you are.



# URN registry proposal

Tracking contents of values for URN based attributes

Controlling the URN explosion, which is not necessarily bad.



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## schacURNDescription

- schacURNValue
- schacURNValueDescription
- schacURNValueVisibility
- schacURNValuePresentation



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## schacURNDelegation

- schacURNOwner
- schacURNHttpURI
- schacURNLdapURI



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## Owner's LDAP directory

The objects would be stored in the namespace owner's LDAP directory, in order to ease both maintenance and local queries.



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## Human interface

A web query system in the lines of the Schema Registry Project, though with a distributed flavor.

Any namespace owner local registry interface should be able to follow the LDAP URIs in the delegation objects, for presenting public URN values, from any participating registry, perhaps in the local language.



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## Machine interface

Applications, local or foreign, should be able to query the directory and get information with the appropriate level of access. For example, for obtaining local language human representations of a given URN value.



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## DDDS?

It could be used for transforming URN namespaces into information for finding the appropriate service to query about URN values.



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an application with Bologna inside

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- Present systems tend to store a lot of information locally
- Federations may be used for more than just IdM
- Why not use a federated service for sending student credits back to their home organisations?



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- Transient registers with minimal data for local tracking of students



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- IdM based student registries
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## A really draft implementation possibility

- IdM based student registries
- A federated hierarchy of MetaDirectories for routing the information
- Transient registers with minimal data for local tracking of students
- Query the home organisation for infrequently needed information
- Sending credits instead of storing them locally



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