# Identity and Certificates

Technical Evo

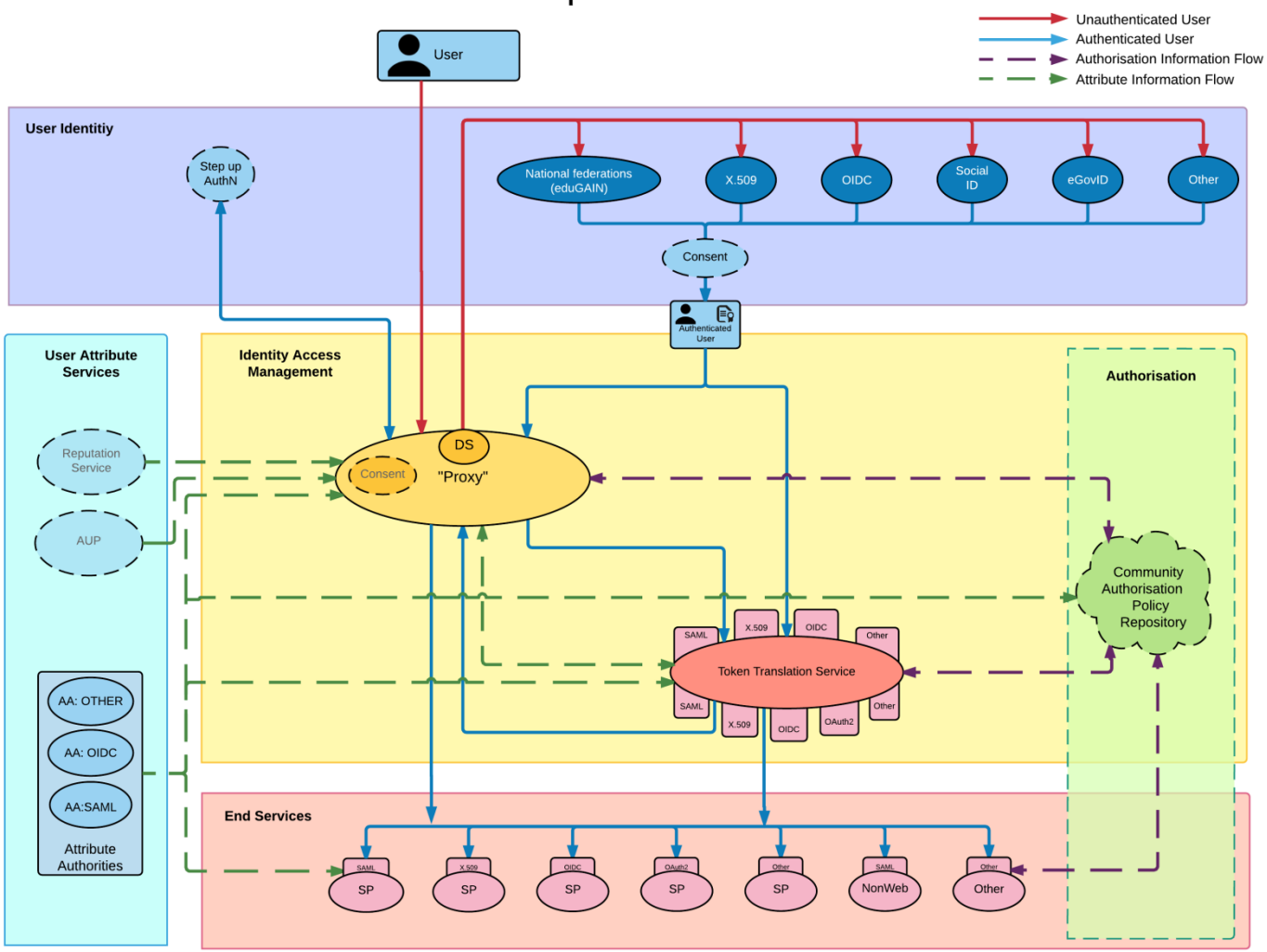
7/7/2017

# Brief

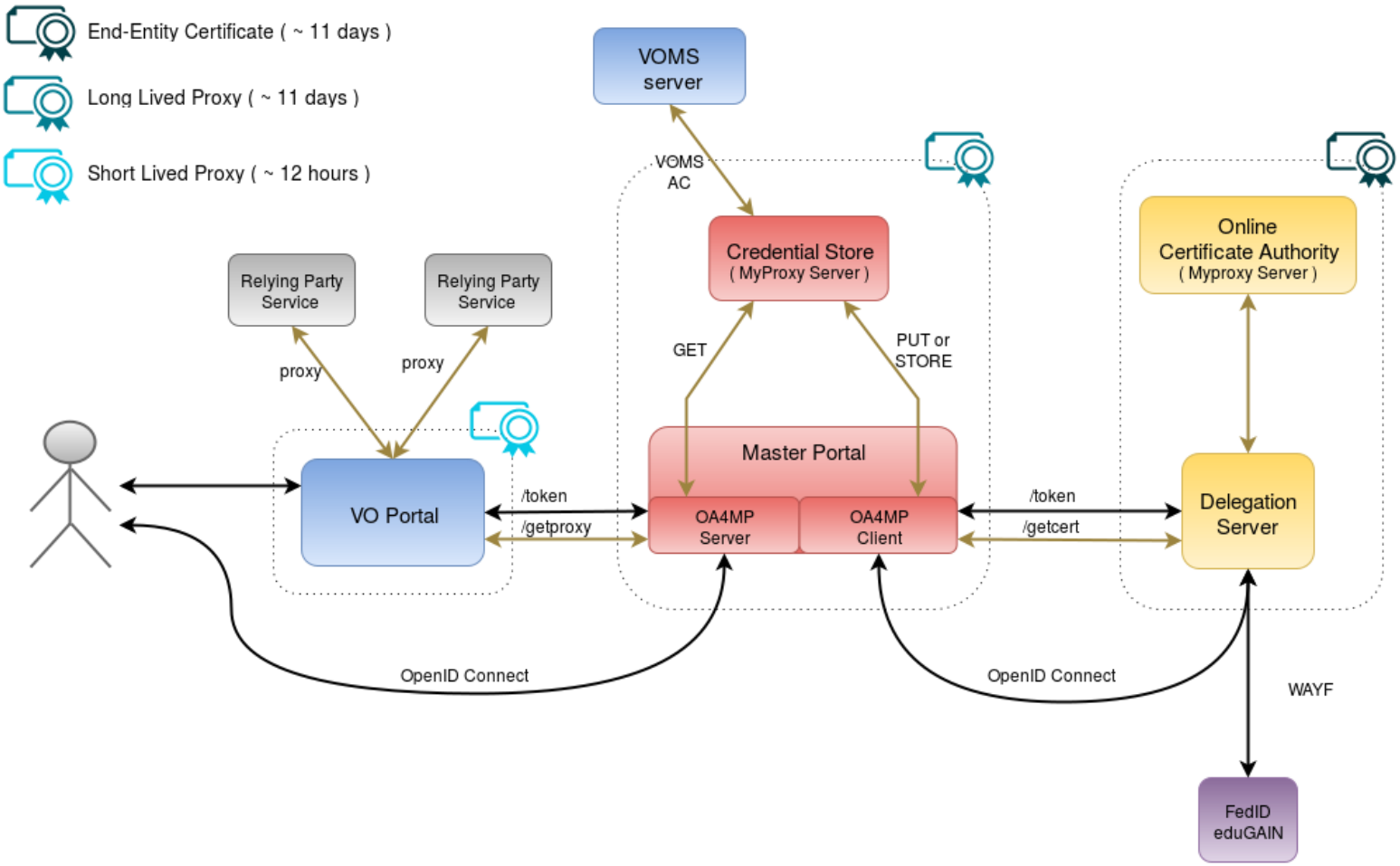
- “Certificates behind the scenes”
  - OAUTH, OIDC, SAML (Shibboleth)
- AARC Project Pilots
  - Blueprint Arch., IdPs, Master Portals, Token Trans.
- Web-based (x.509) access to services
  - Non-web pilots coming (AARC2)

# AARC Blueprint

https://aarc-project.eu/blueprint-architecture/

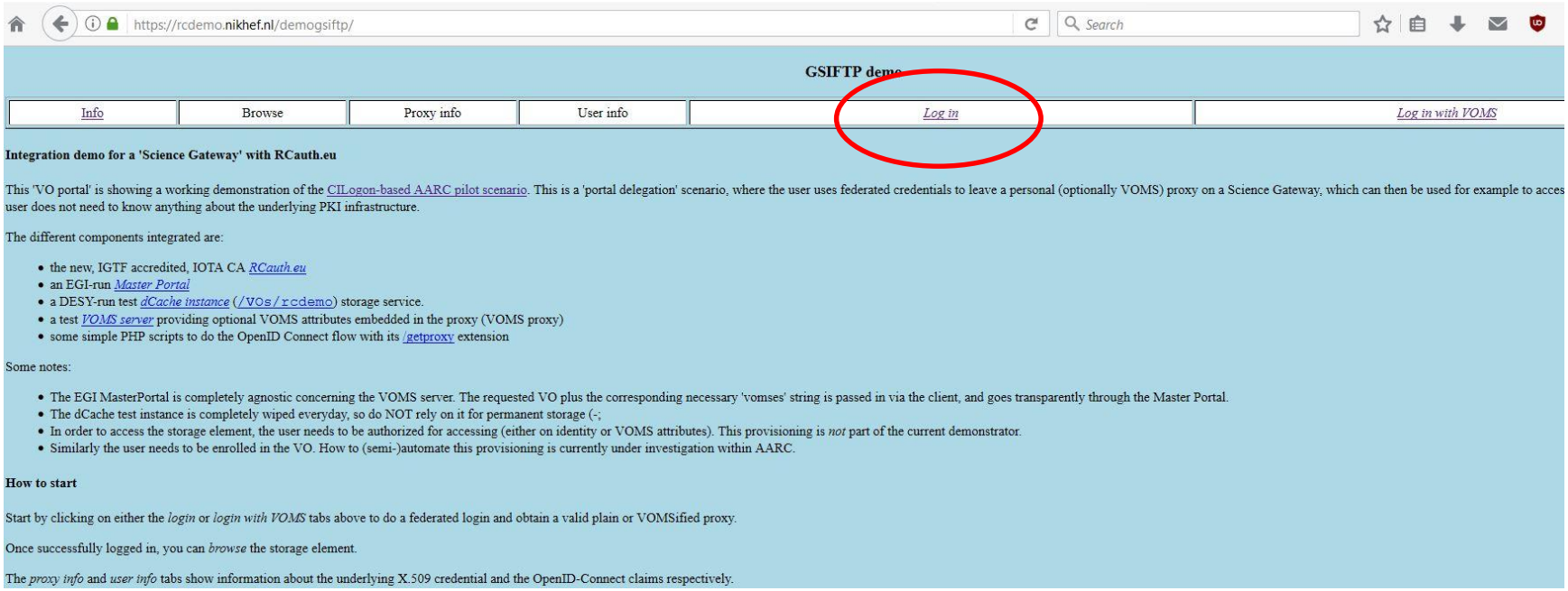


# CILogon pilot - AARC

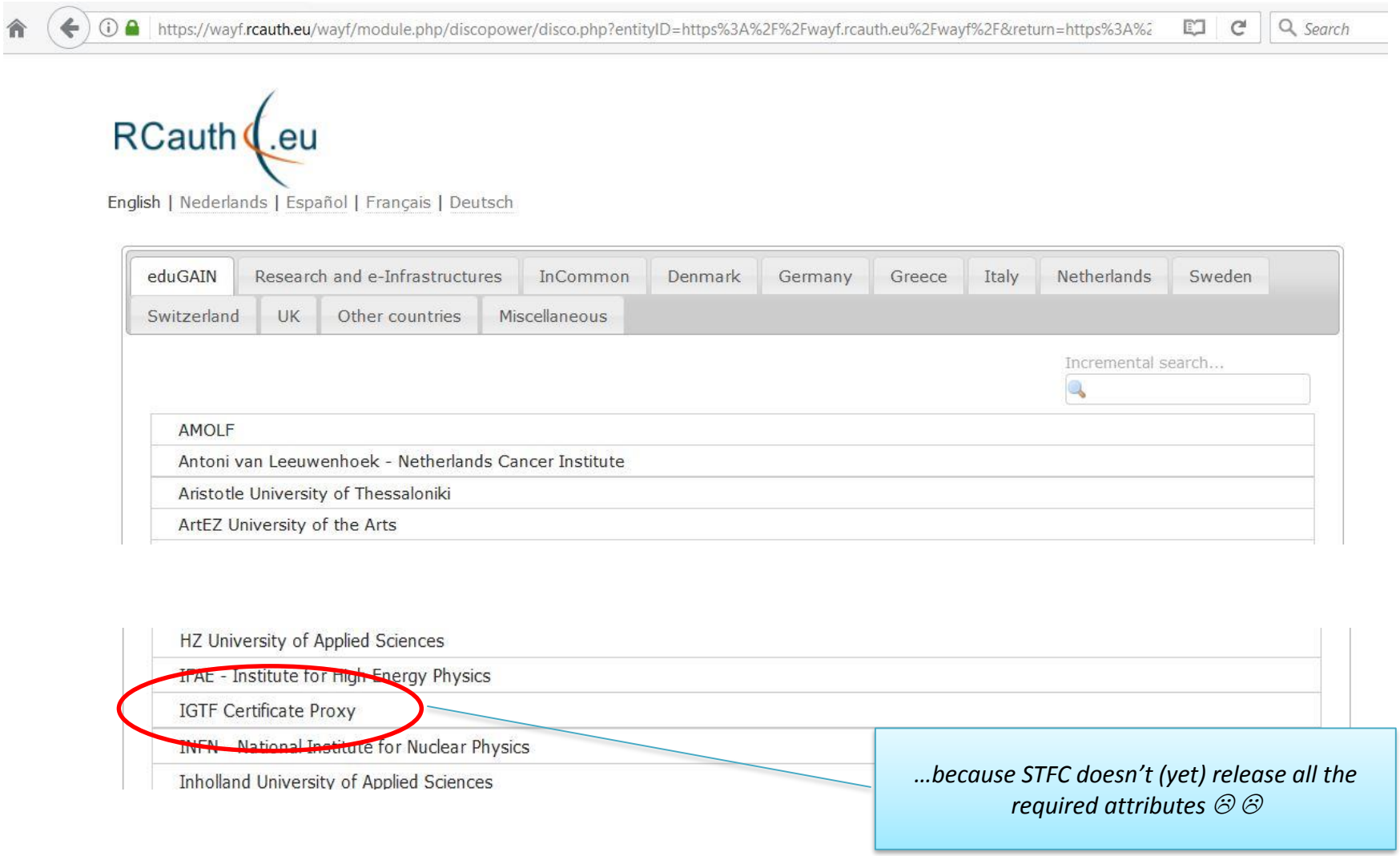


# 1. Web portal

*Imagine this is a VO web portal …*

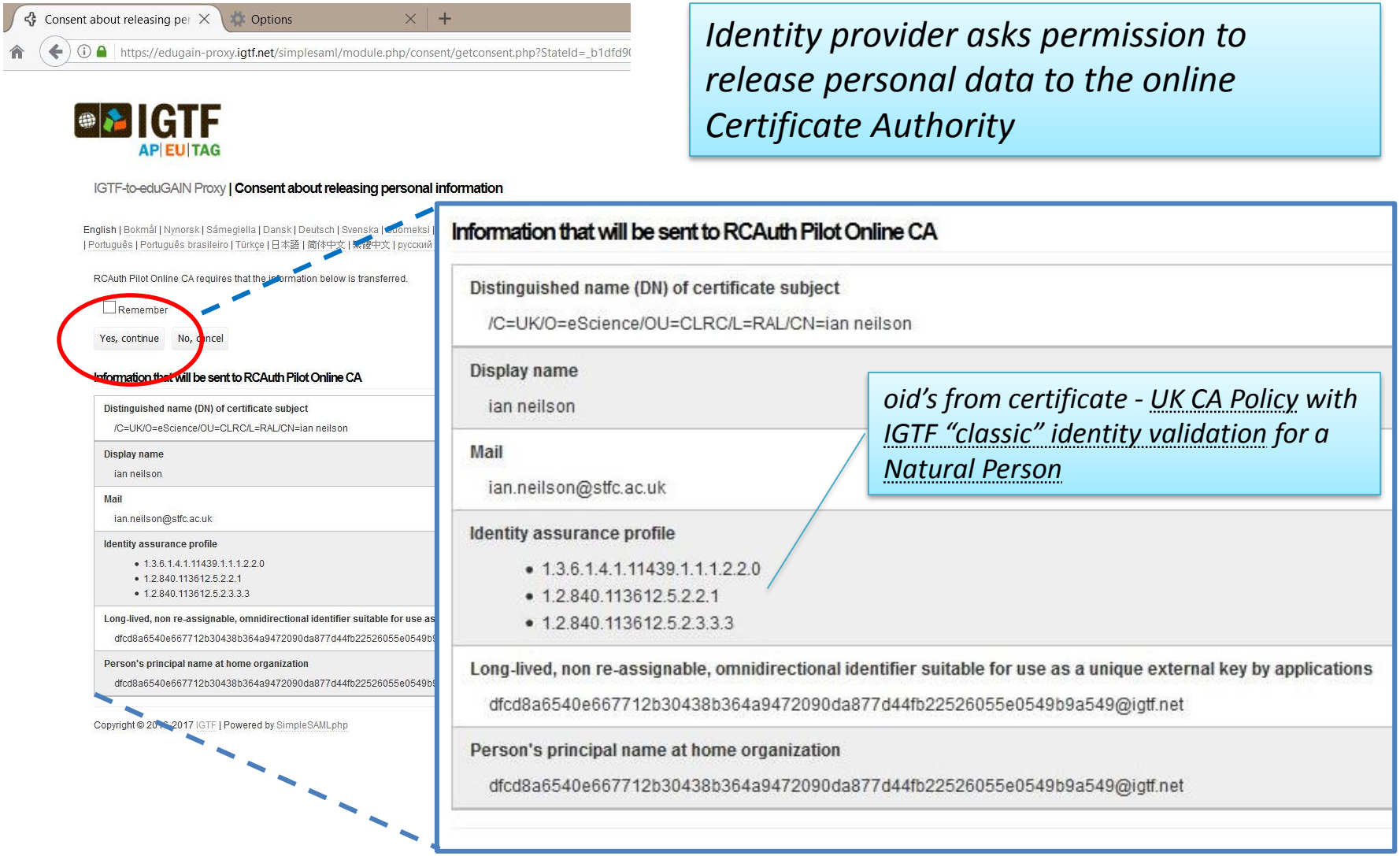


# 2. Select Identity provider

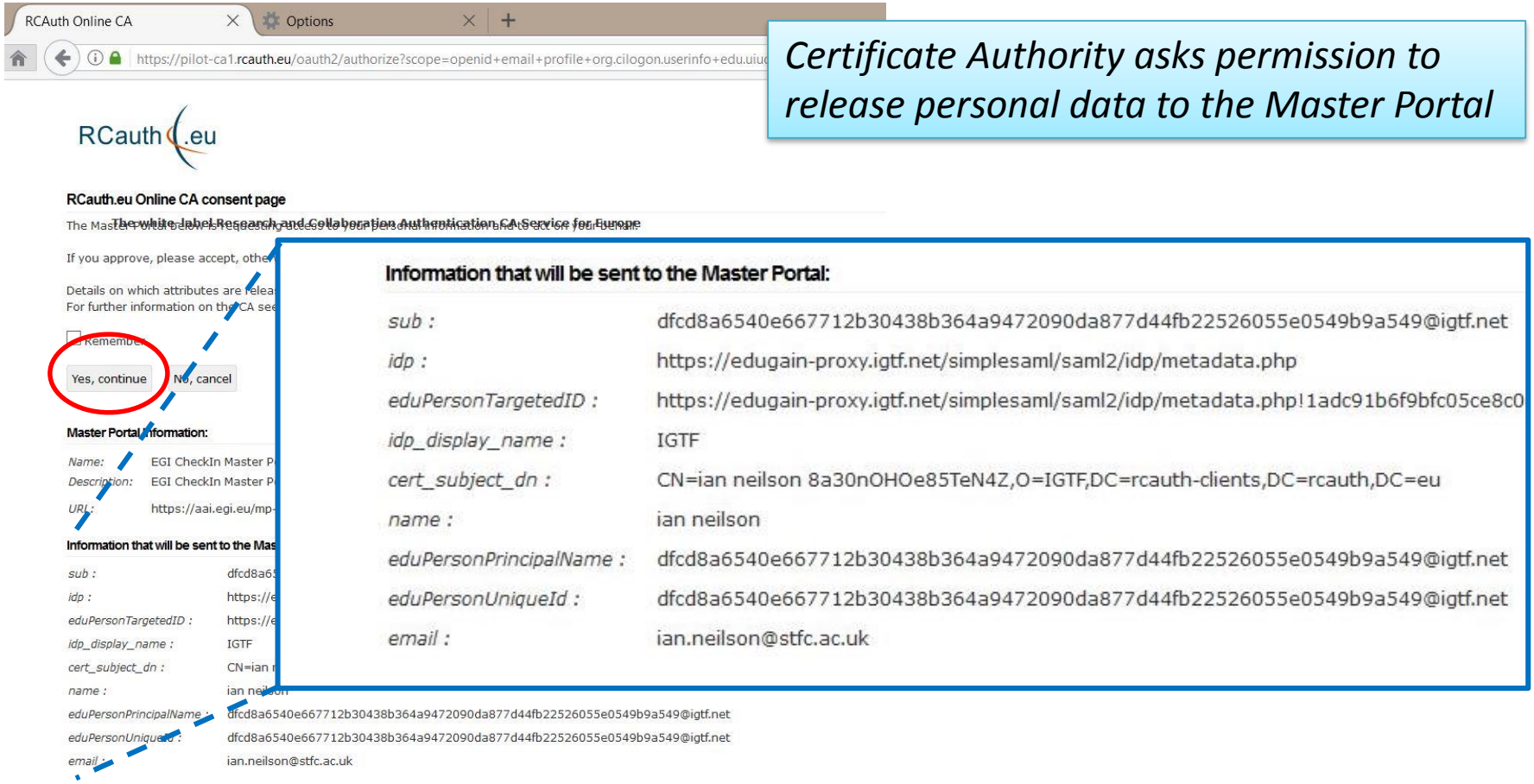


# 3.1 Personal data release

*Identity provider asks permission to release personal data to the online Certificate Authority*

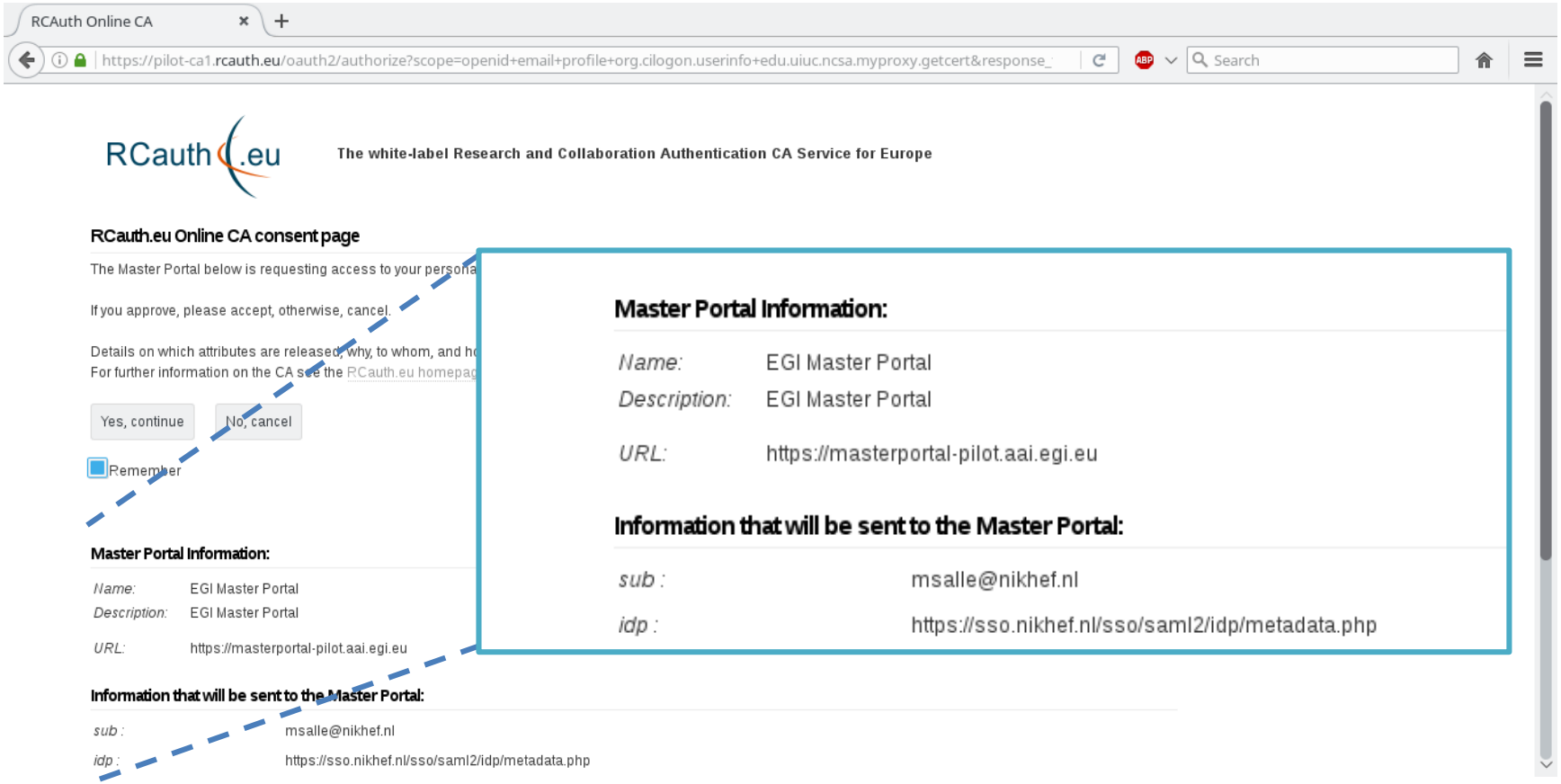


# 3.2 Personal data release

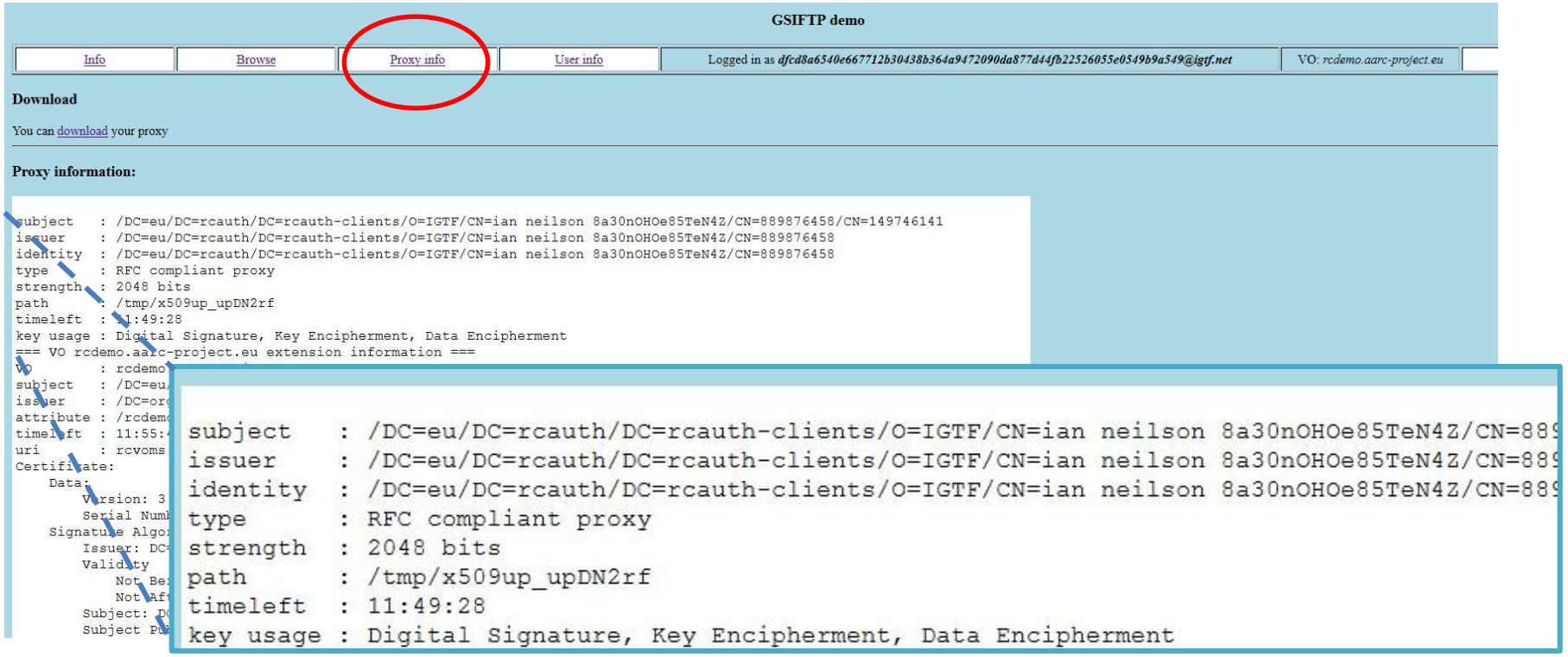



*Certificate Authority asks permission to release personal data to the Master Portal*

# 3.3 Personal data release



# 4 Delegated proxy



# Demo

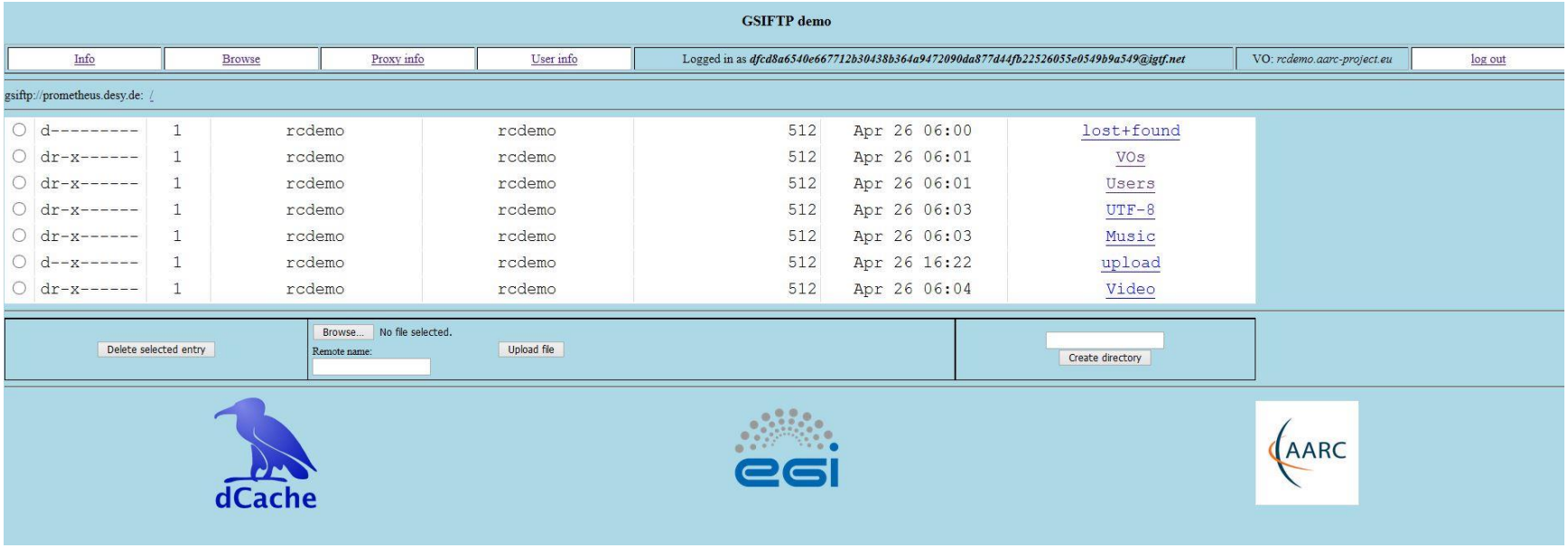
**GSIFTP demo**

Info | Browse | Proxy info | User info | Logged in as ***dfcd8a6540e667712b30438b364a9472090da877d44fb22526055e0549b9a549@igtf.net***

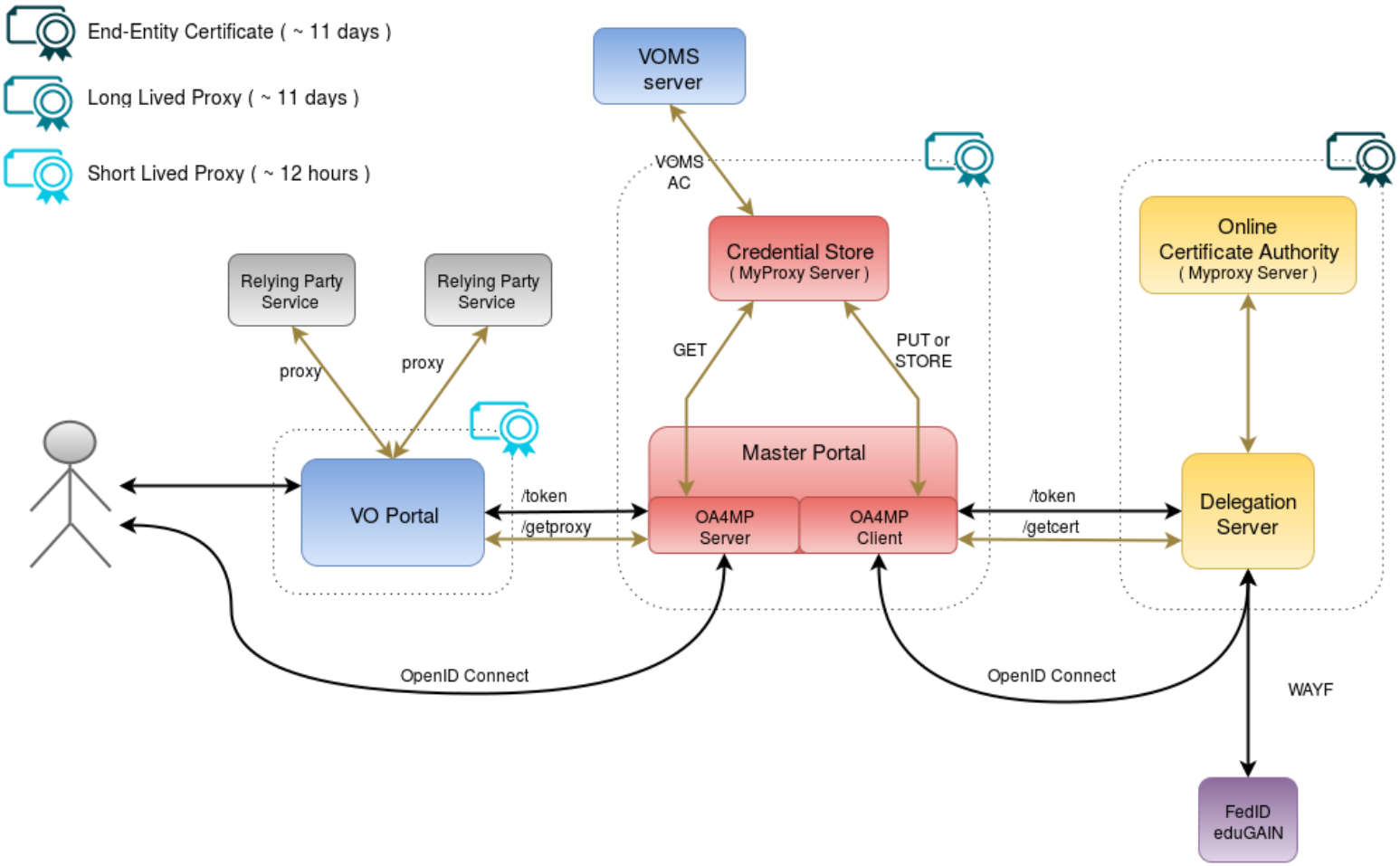
**Parsed ID Token:**

| Claim | Value |
|---|---|
| iss | https://aai.egi.eu/mp-oa2-server |
| sub | dfcd8a6540e667712b30438b364a9472090da877d44fb22526055e0549b9a549@igtf.net |
| exp | 1493220617 |
| aud | myproxy:oa4mp,2012:/client_id/1eed11b966498967a3eea2f4c0141169 |
| iat | 1493219717 |
| auth_time | 1493219716 |
| idp | https://edugain-proxy.igtf.net/simplesaml/saml2/idp/metadata.php |
| eduPersonTargetedID | https://edugain-proxy.igtf.net/simplesaml/saml2/idp/metadata.php!1adc91b6f9bfc05ce8c045c36ff6afa8881f74b6 |
| idp_display_name | IGTF |
| cert_subject_dn | CN=ian neilson 8a30nOHOe85TeN4Z,O=IGTF,DC=rcauth-clients,DC=rcauth,DC=eu |
| name | ian neilson |
| eduPersonPrincipalName | dfcd8a6540e667712b30438b364a9472090da877d44fb22526055e0549b9a549@igtf.net |
| eduPersonUniqueId | dfcd8a6540e667712b30438b364a9472090da877d44fb22526055e0549b9a549@igtf.net |
| email | ian.neilson@stfc.ac.uk |

# 6. Access the service

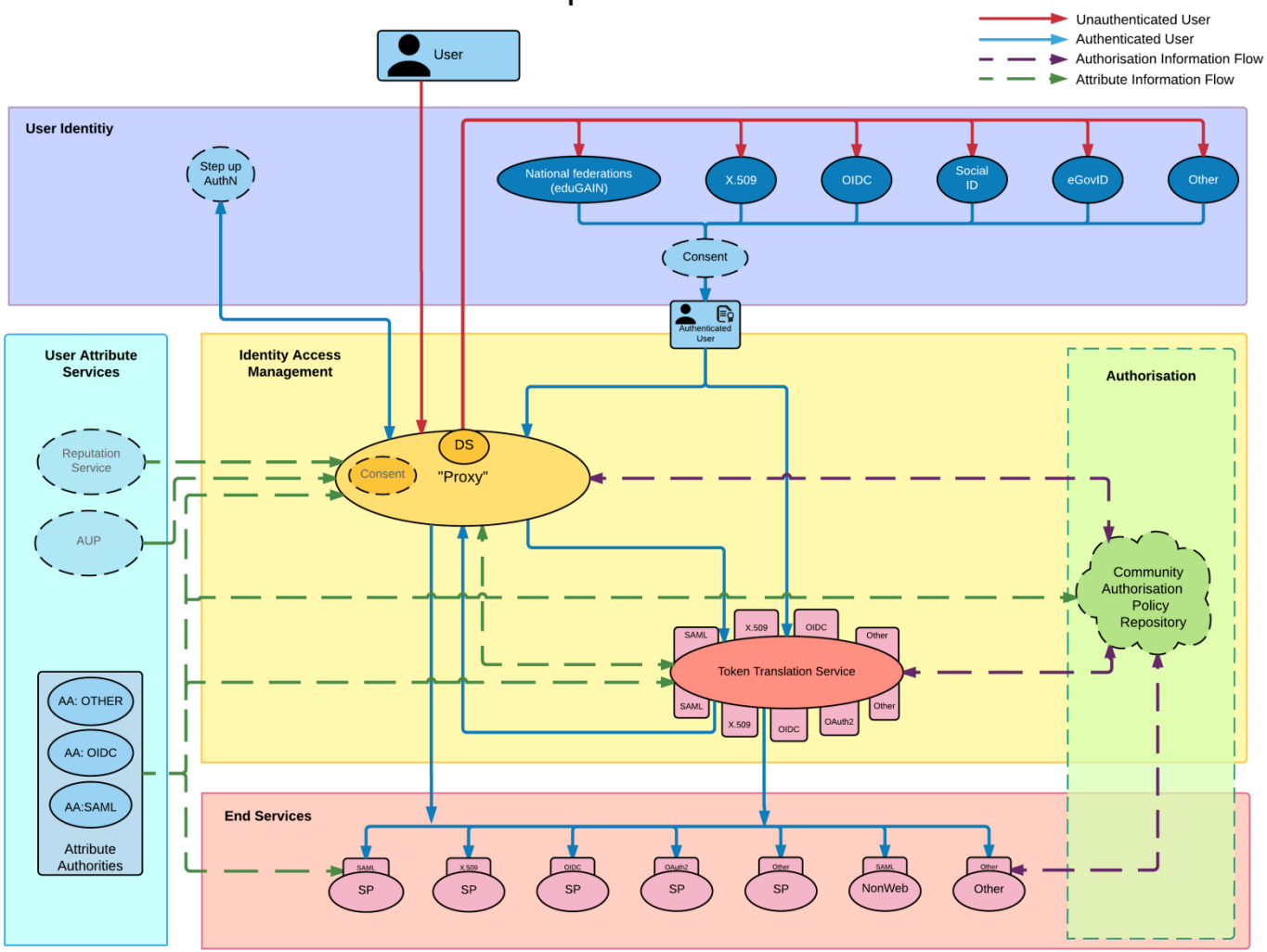


# CILogon pilot - AARC

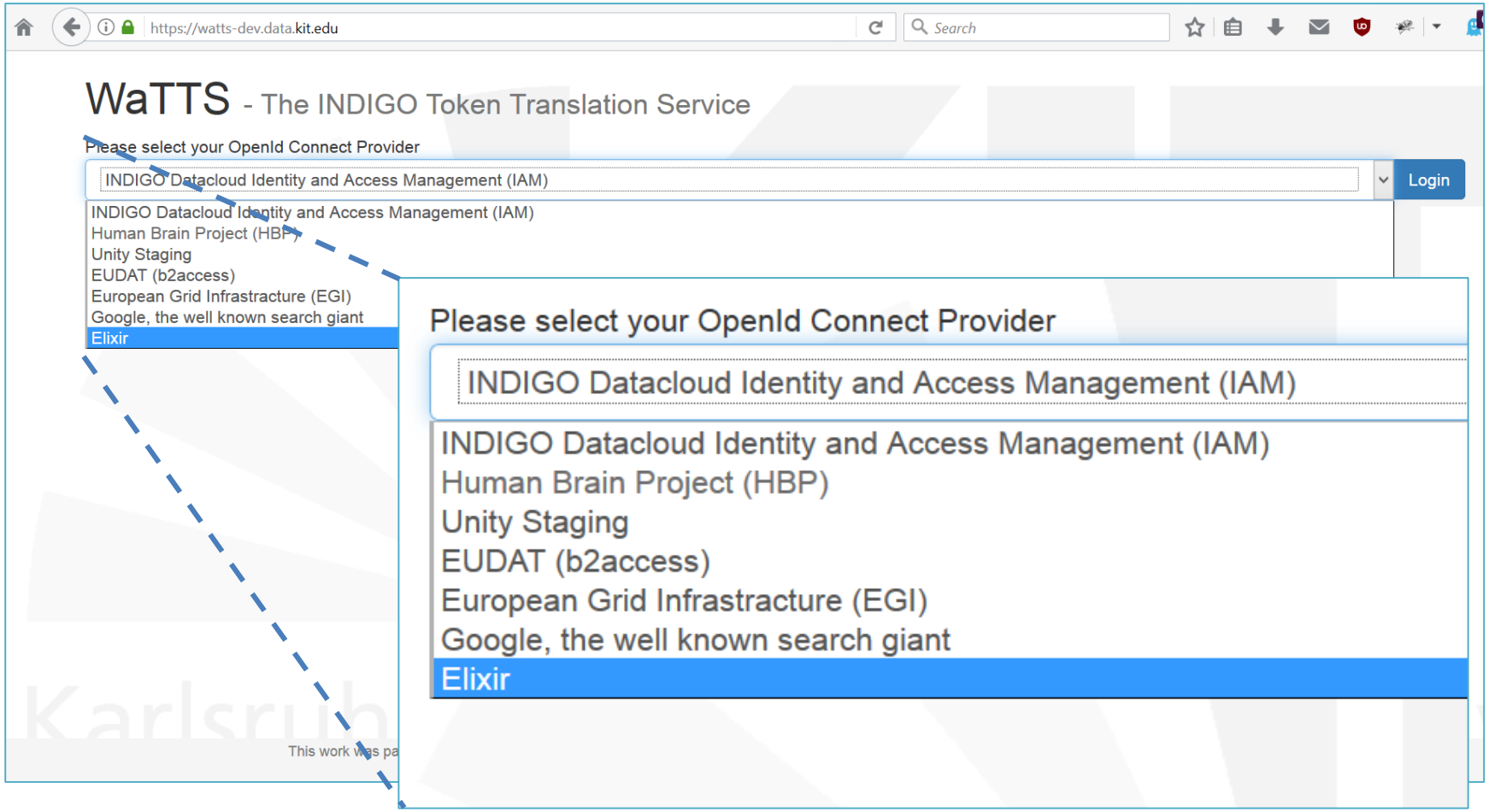


# AARC Blueprint

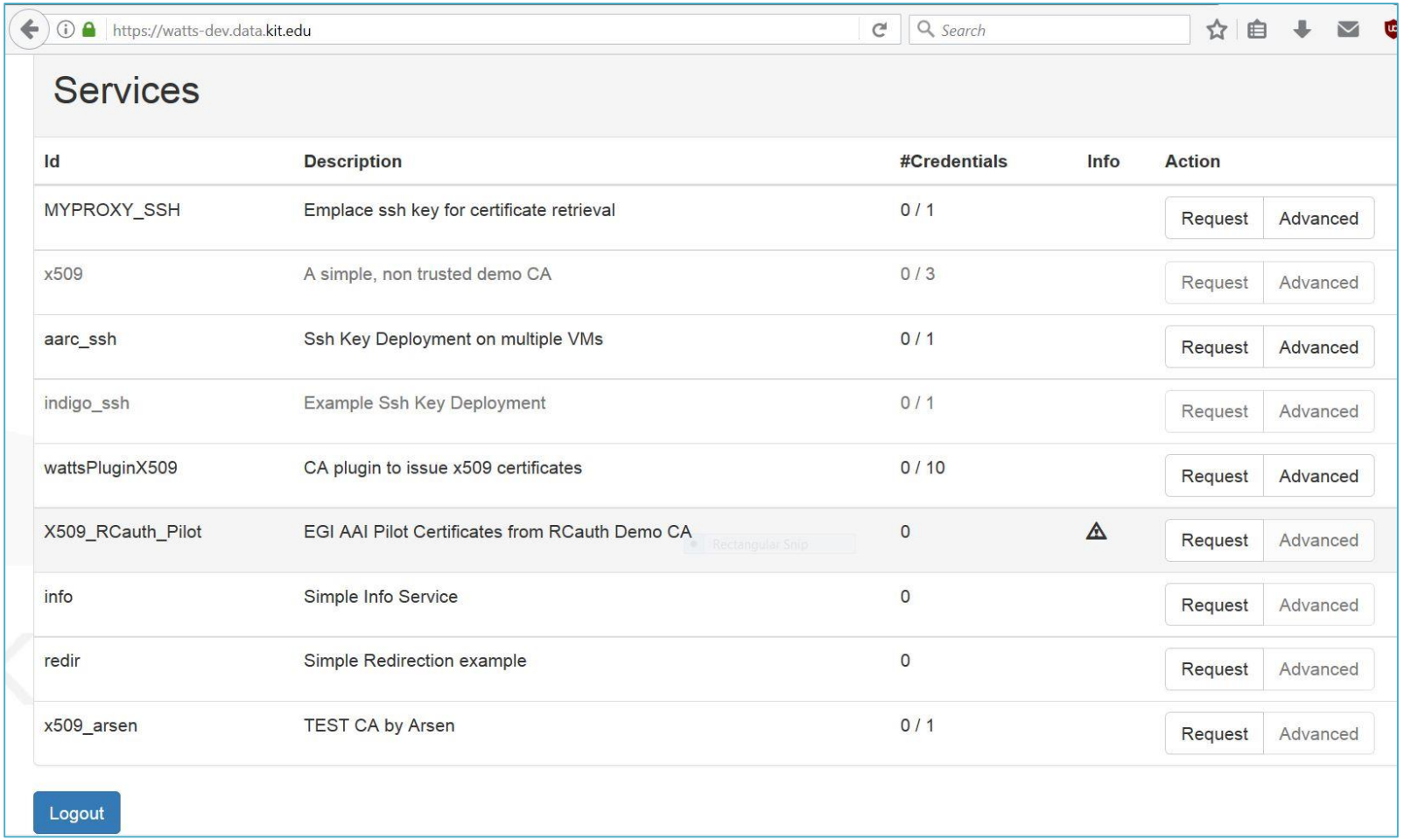
https://aarc-project.eu/blueprint-architecture/



# Token Translation



# Token Translation - WATTS



# Materials

- https://rcdemo.nikhef.nl/
  - https://wiki.geant.org/display/AARC/CILogon-like+pilot
  - https://indico.cern.ch/event/569445/
- *https://watts-dev.data.kit.edu/*
  - *https://aarc-project.eu/wp-content/uploads/2017/03/CI-demo-watts_new.pdf*
- https://wiki.geant.org/display/AARC/Non-web+resources%3A+comparison+of+methods

Thank You