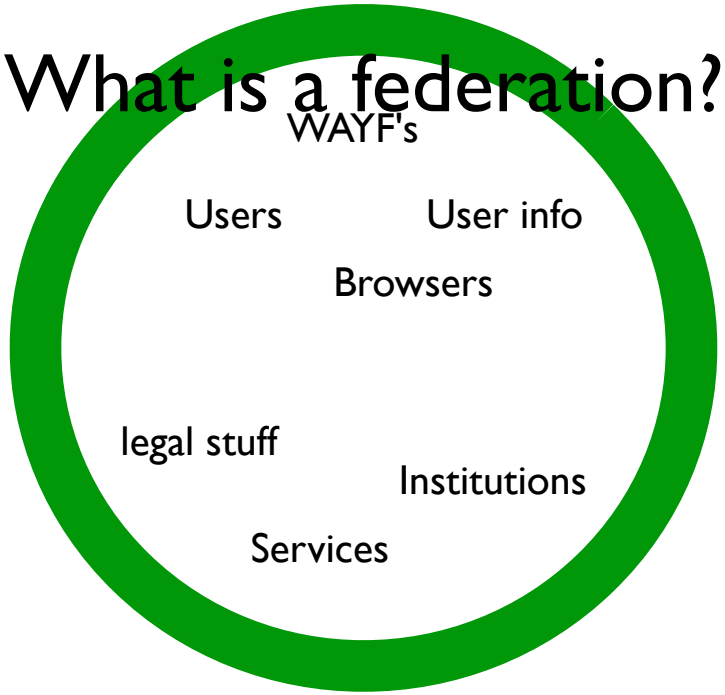
State of the SAML federation landscape.

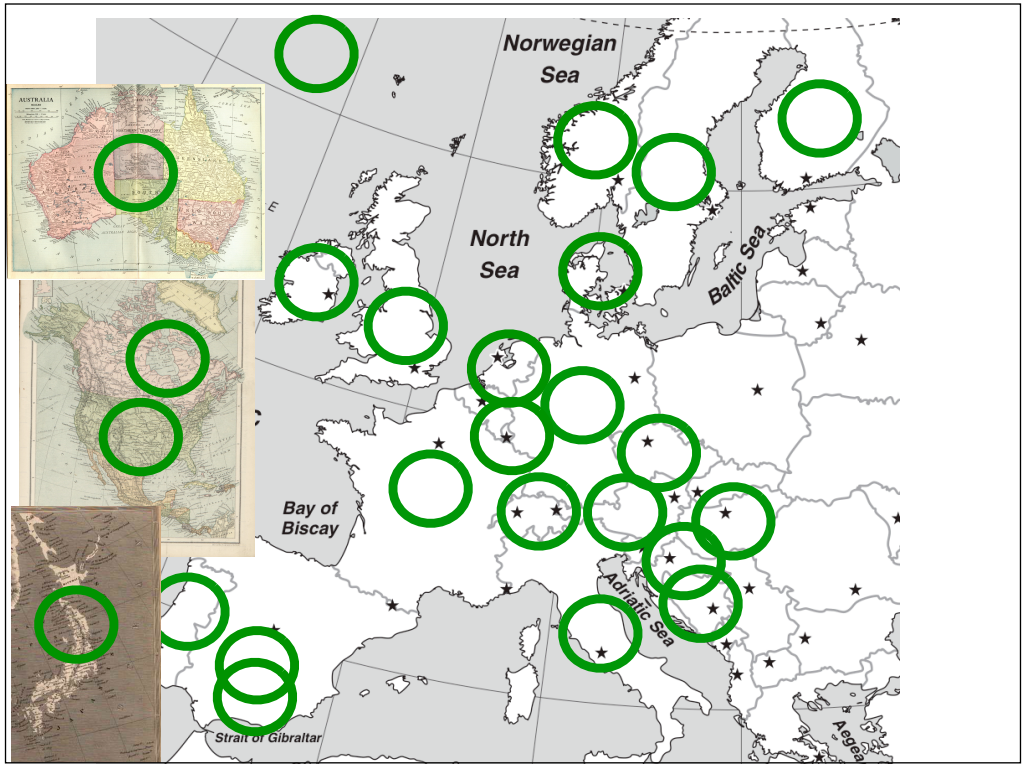
Moving closer to the grids

David Simonsen
@ EGI Technical Forum 2010

WAYF
Where are you from

What is a federation?

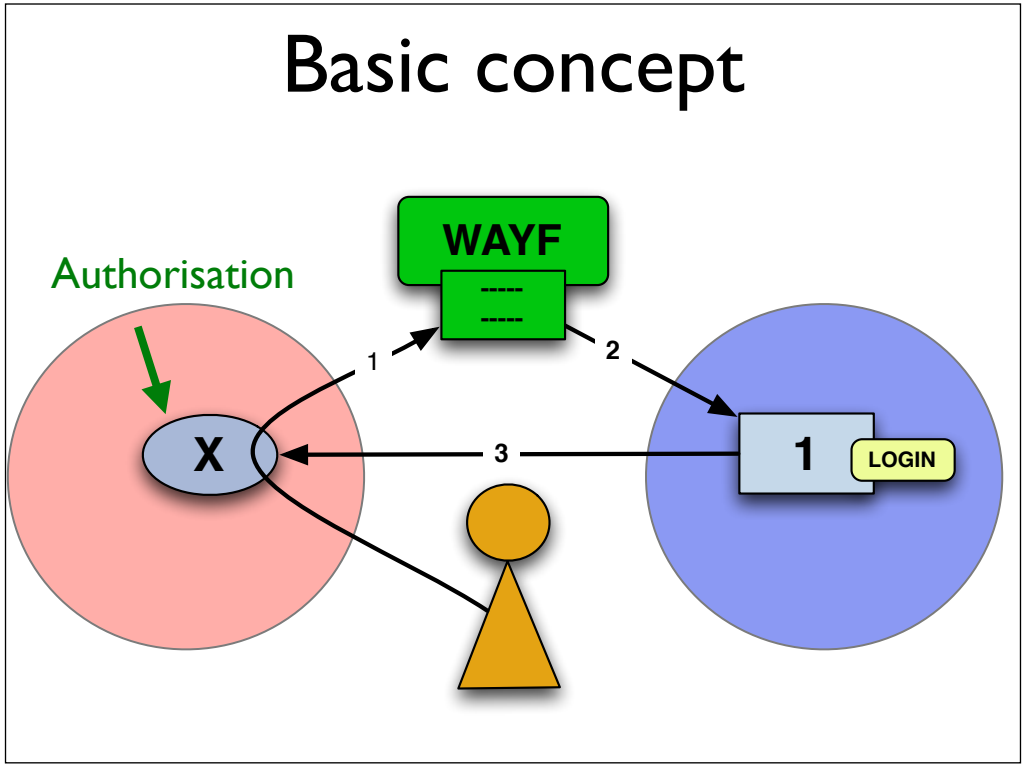



Norwegian Sea
North Sea
Baltic Sea
Bay of Biscay
Adriatic Sea
Strait of Gibraltar
Aegea

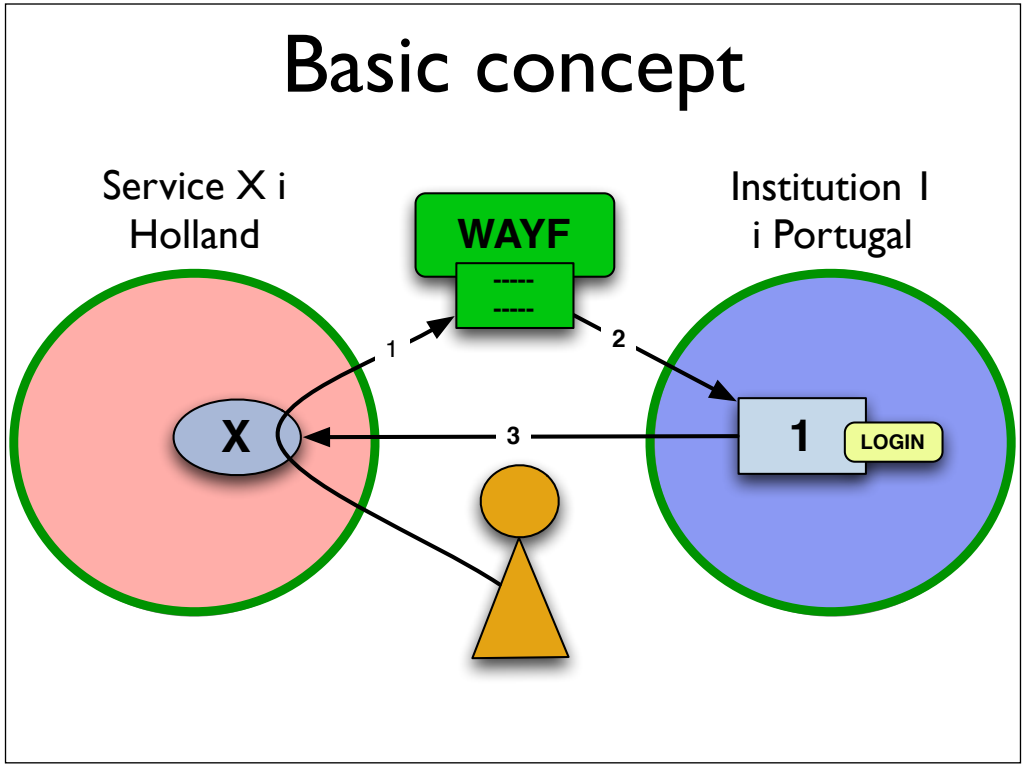
15.300.000 users
in
thousands of institutions
in
23 federations

https://refeds.terena.org/index.php/Federations

Basic concept

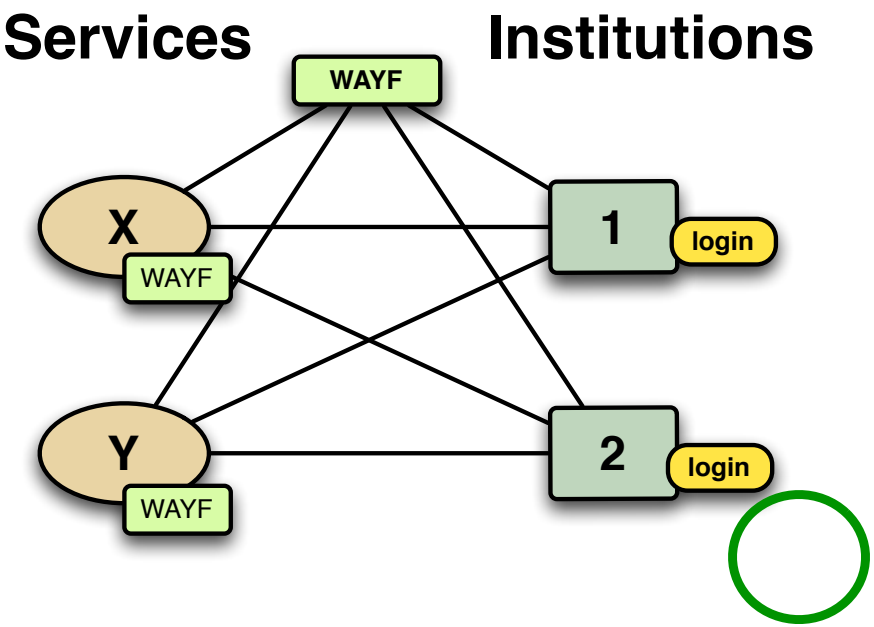


Basic concept

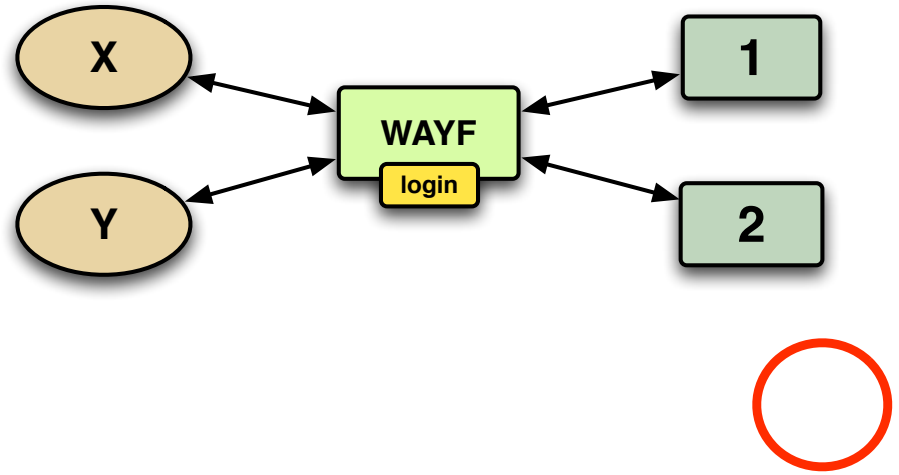


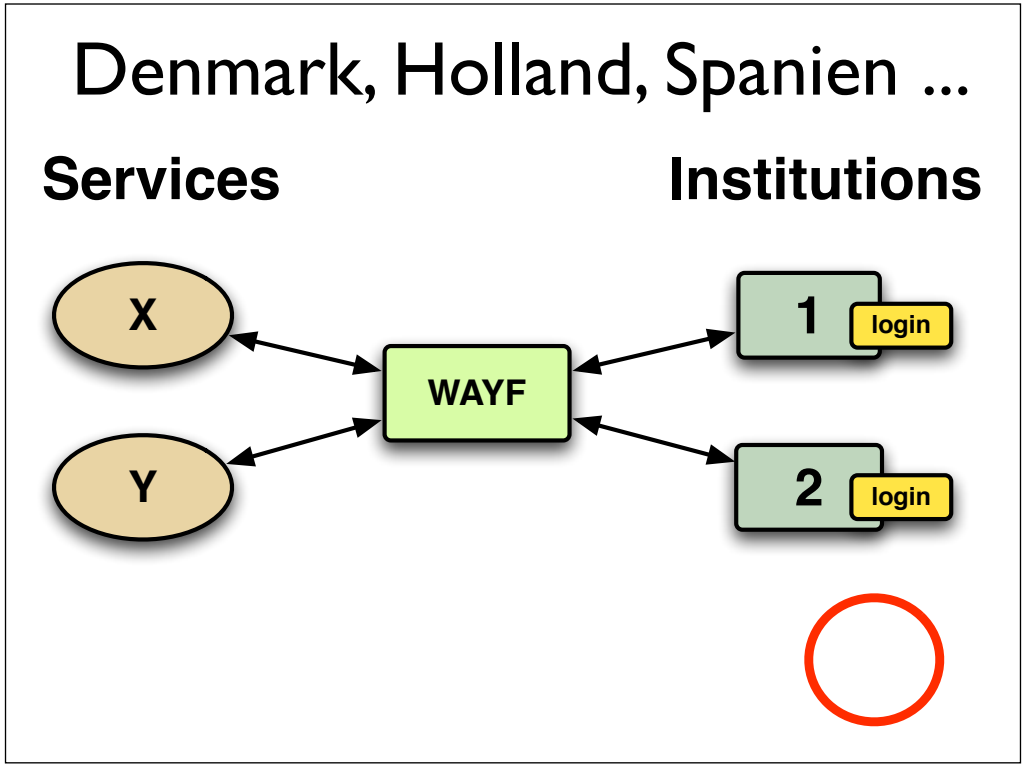
Federation architectures

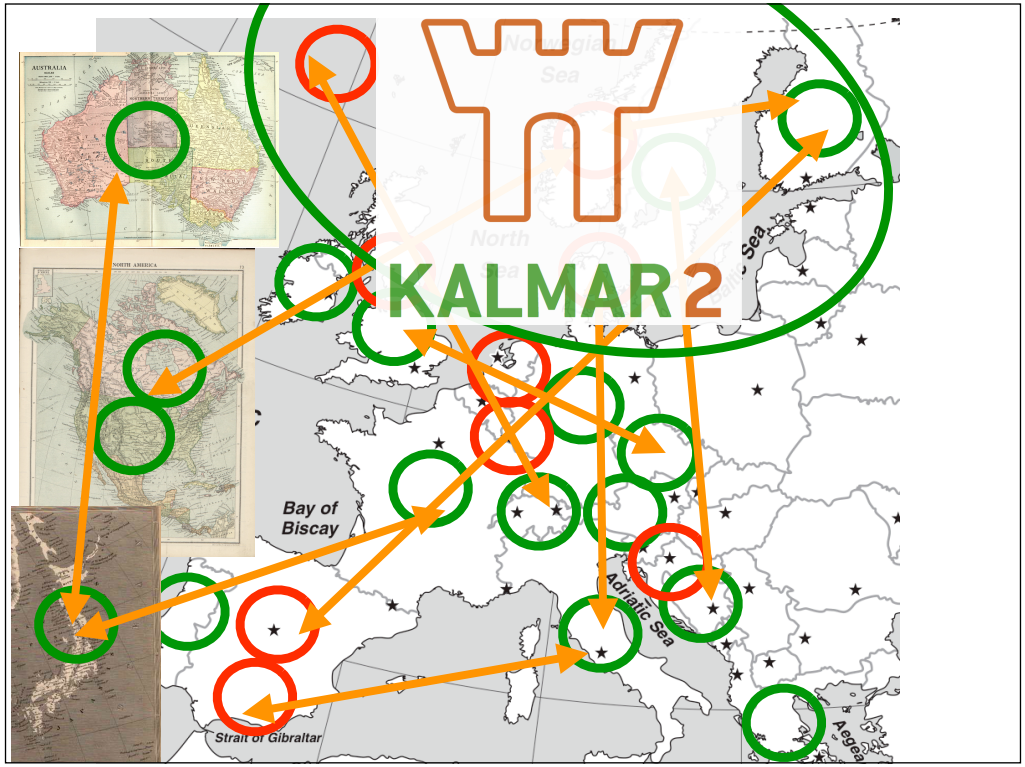
Loosely coupled (Shibboleth)

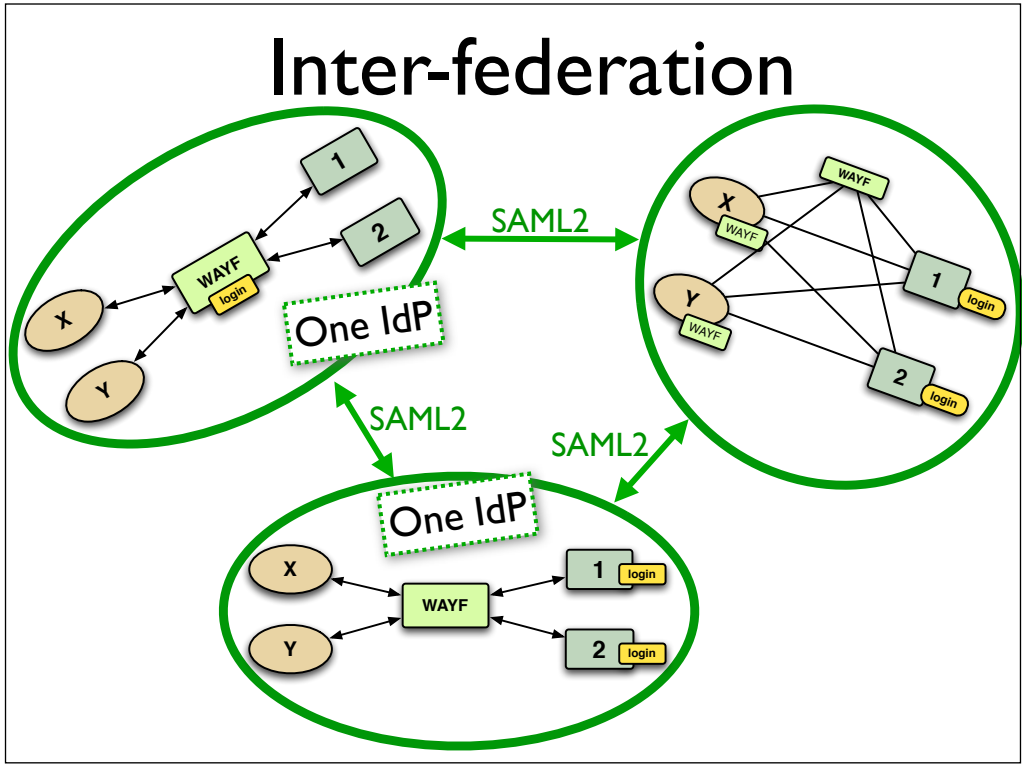


FEIDE, Norway

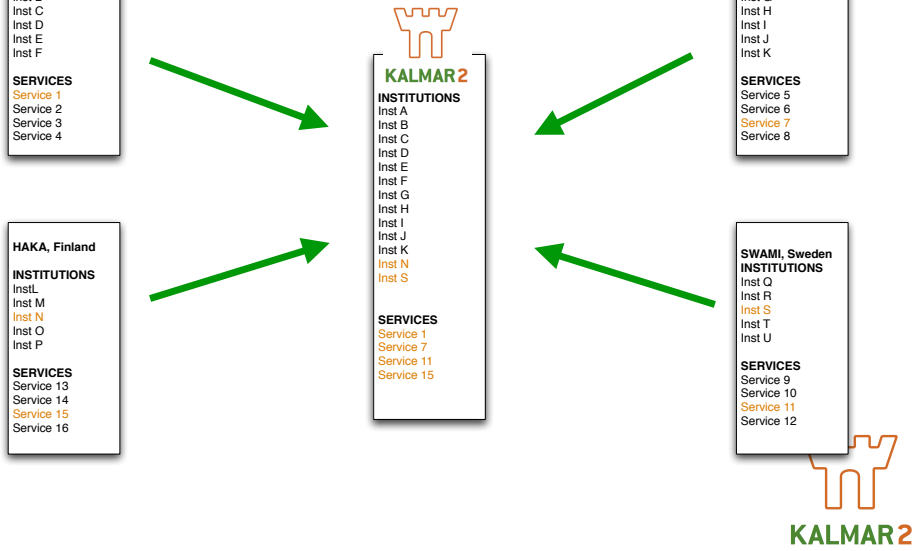



Denmark, Holland, Spanien ...
Services
Institutions
X
Y
WAYF
1
login
2
login


KALMAR 2
Bay of Biscay
Adriatic Sea
Strait of Gibraltar
Aegea


Inter-federation
1
2
WAYF
login
X
Y
One IdP
SAML2
SAML2
SAML2
WAYF
X
WAYF
Y
WAYF
1
login
2
login
One IdP
X
Y
WAYF
1
login
2
login

Kalmar Union
Metadata aggregate

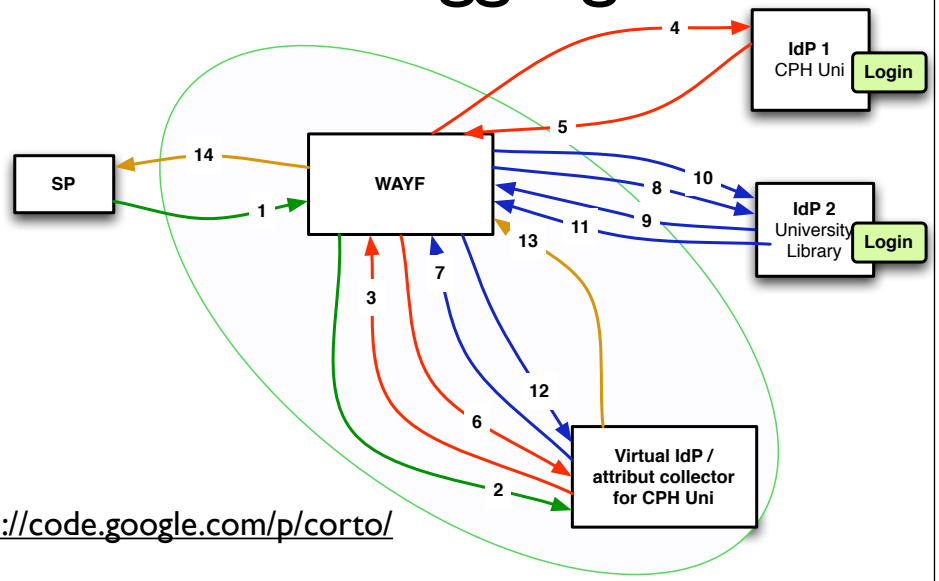


KALMAR2

www.kalmar2.org

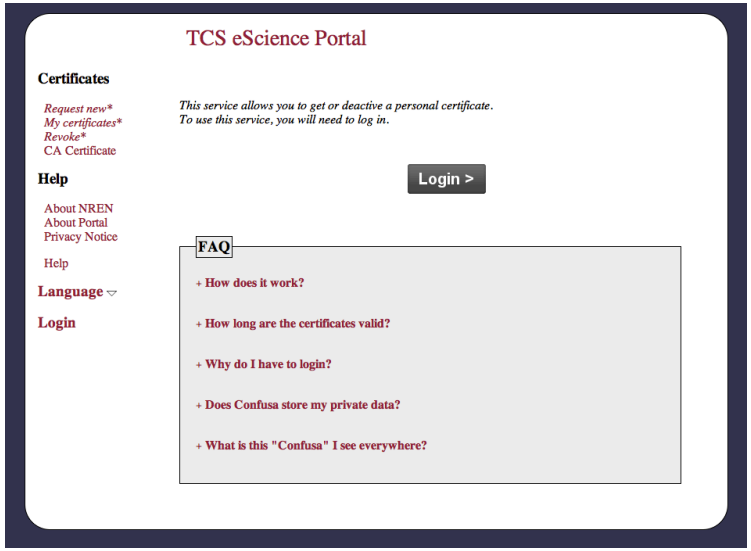
Norwegian Sea
North Sea
Baltic Sea
ATLANTIC OCEAN
Adriatic Sea
Strait of Gibraltar
50°N
40°N
10°W
N
W
E
S
eduGAIN

Attribute aggregation



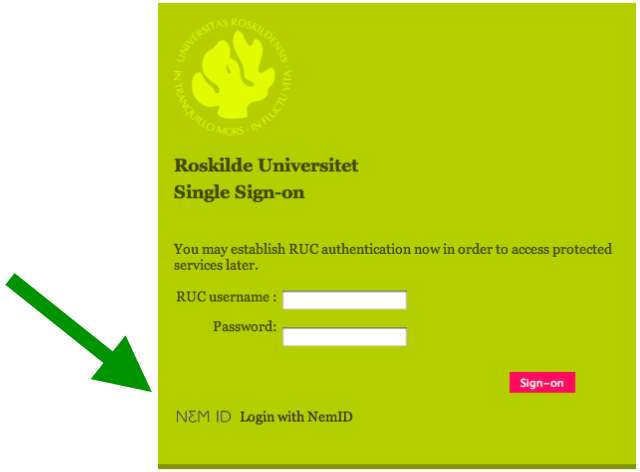
http://code.google.com/p/corto/

TERENA Cert Service



https://tcs-escience-portal.terena.org/

Multiple levels of assurance



http://signon.ruc.dk/

Wrap up

- SAML infrastructures are operational
- Interfederation is growing
- Federated (Grid) Certificate service
- Multiple levels of assurance

Roo nt?

1964 **TOUCH-TONE® TELEPHONE**

Heralding a new era in communications, the dial is replaced by pushbuttons. As each button is pressed, two simultaneous musical tones are generated and transmitted to a central switching office, then translated into a series of pulses similar to those made by the standard telephone dial. It is now in production by Western Electric.