



State of the SAML
federation landscape.

Moving closer to the grids

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@ EGI Technical Forum 2010



What is a federation?

WAYF's

Users

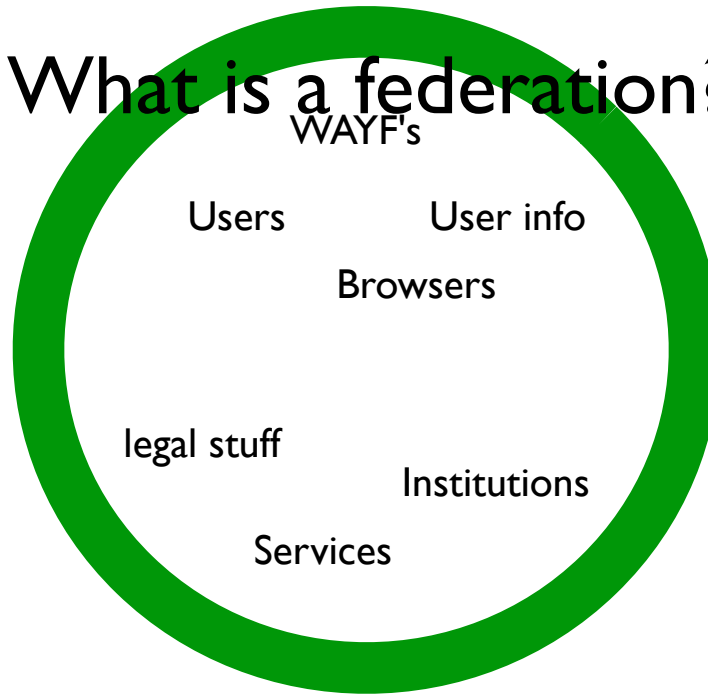
User info

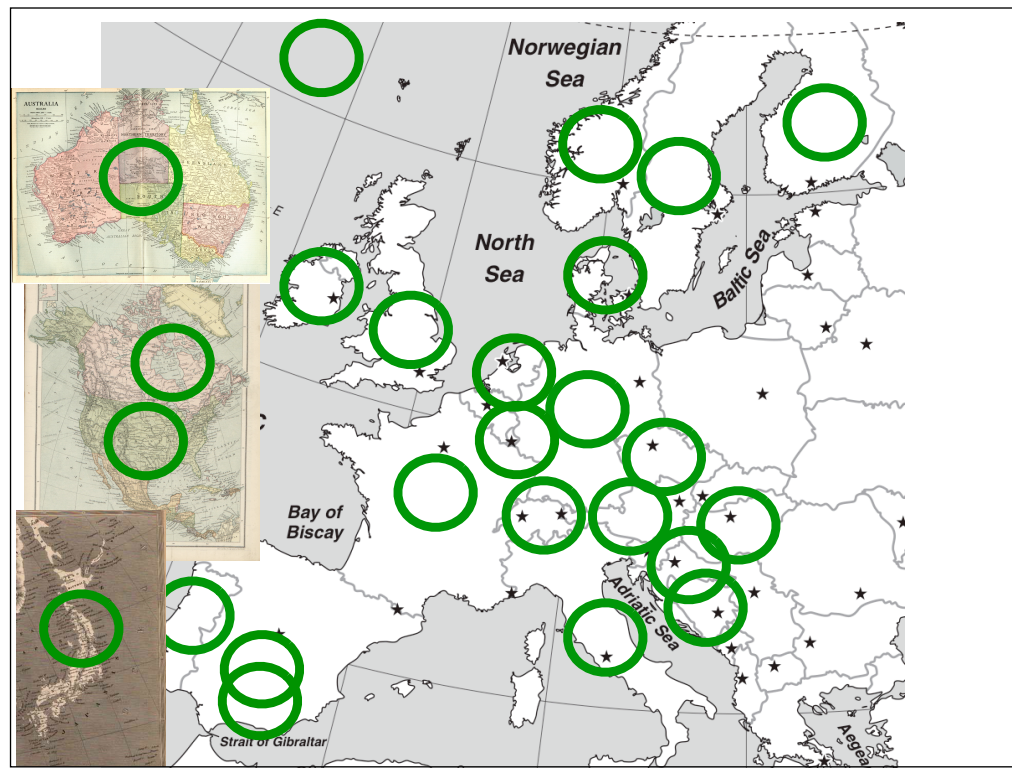
Browsers

legal stuff

Institutions

Services

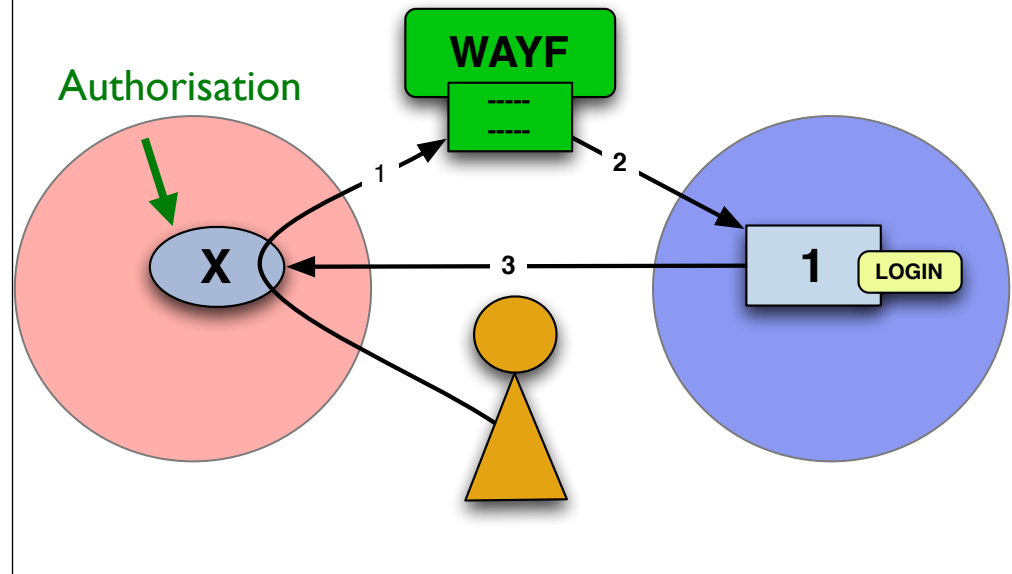




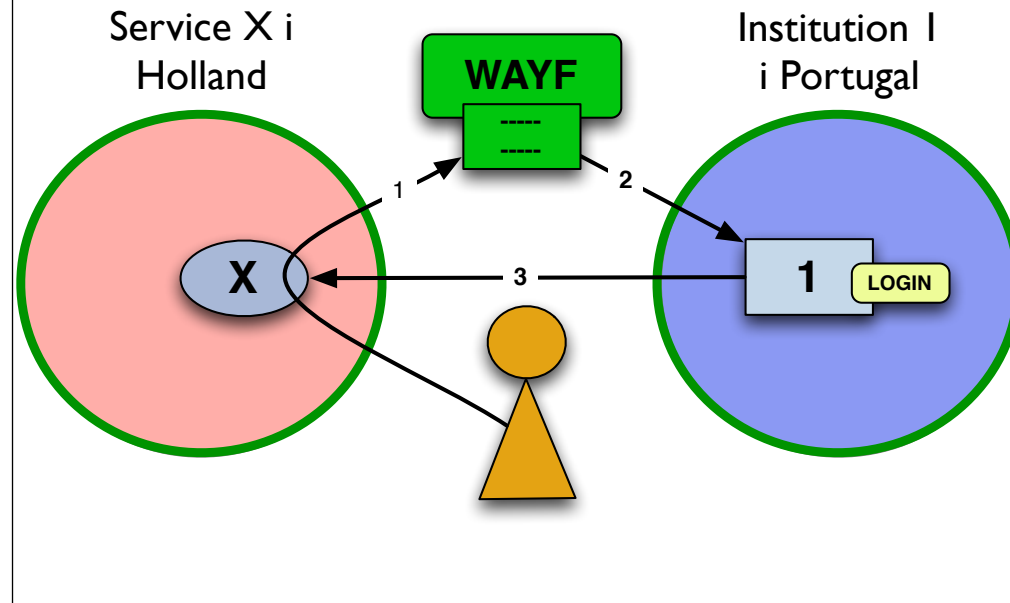
**15.300.000 users
in
thousands of institutions
in
23 federations**

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

Basic concept



Basic concept

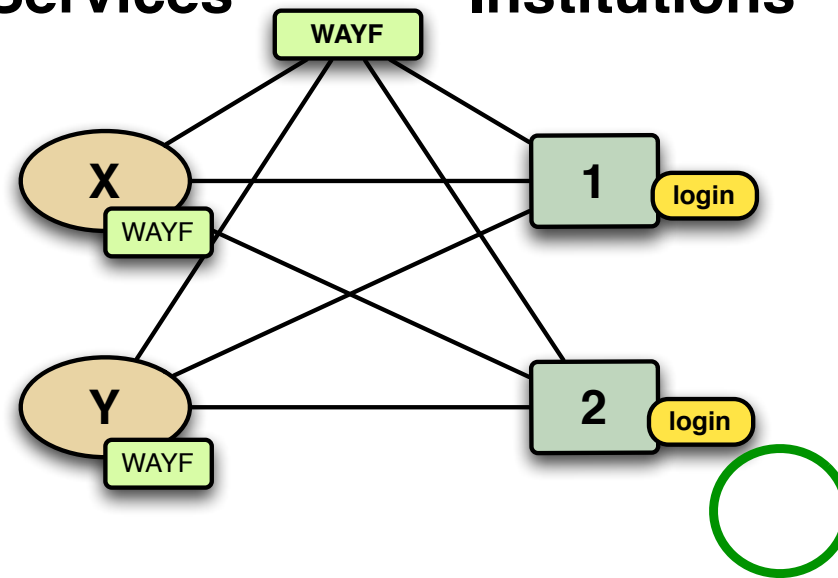


Federation architectures

Loosely coupled (Shibboleth)

Services

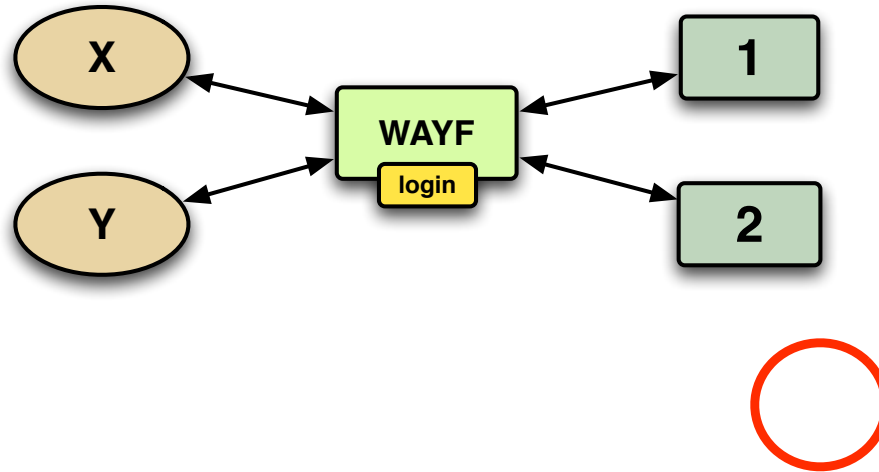
Institutions



FEIDE, Norway

Services

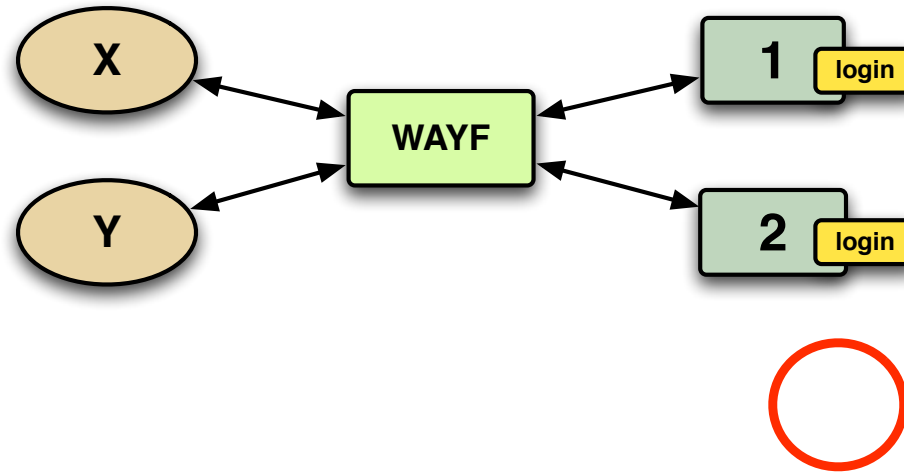
Institutions

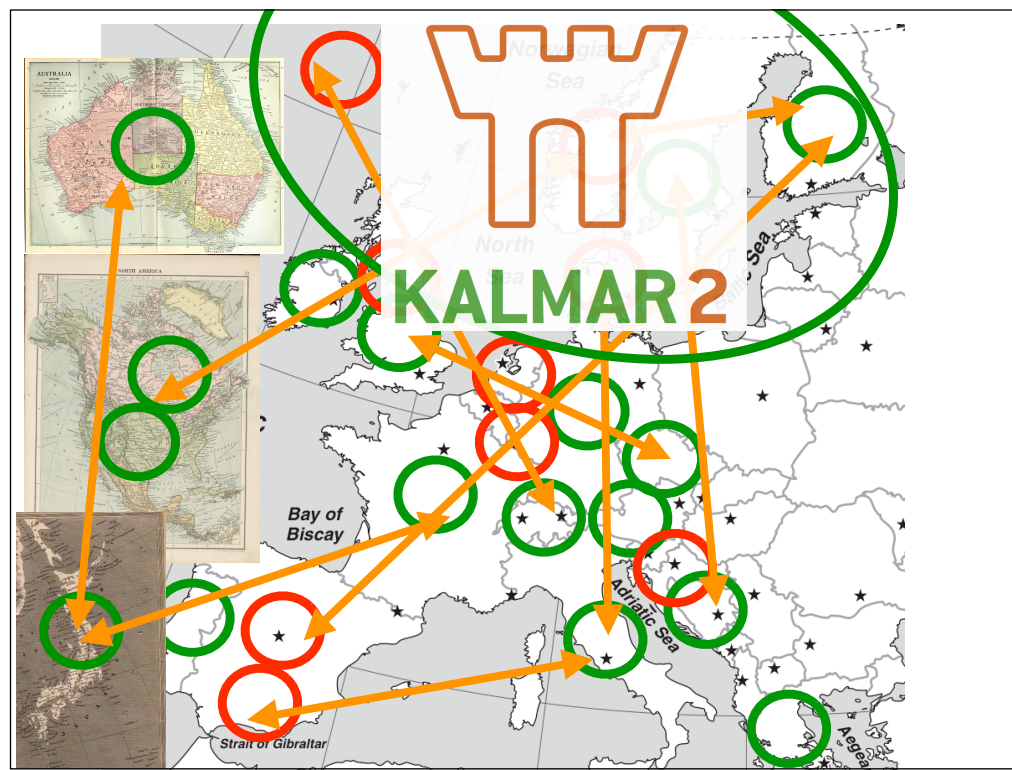


Denmark, Holland, Spanien ...

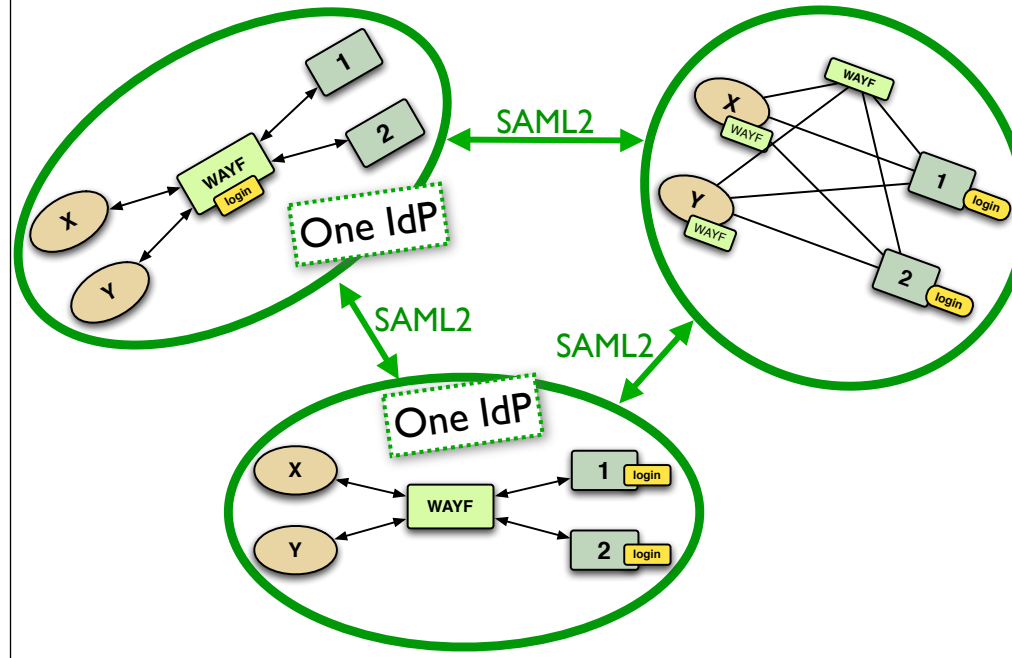
Services

Institutions





Inter-federation



Kalmar Union

Metadata aggregate

WAYF, Denmark

INSTITUTIONS
Inst A
Inst B
Inst C
Inst D
Inst E
Inst F

SERVICES
Service 1
Service 2
Service 3
Service 4

HAKA, Finland

INSTITUTIONS
Inst L
Inst M
Inst N
Inst O
Inst P

SERVICES
Service 13
Service 14
Service 15
Service 16


KALMAR2

INSTITUTIONS
Inst A
Inst B
Inst C
Inst D
Inst E
Inst F
Inst G
Inst H
Inst I
Inst J
Inst K
Inst N
Inst S

SERVICES
Service 1
Service 7
Service 11
Service 15

FEIDE, Norway

INSTITUTIONS
Inst G
Inst H
Inst I
Inst J
Inst K

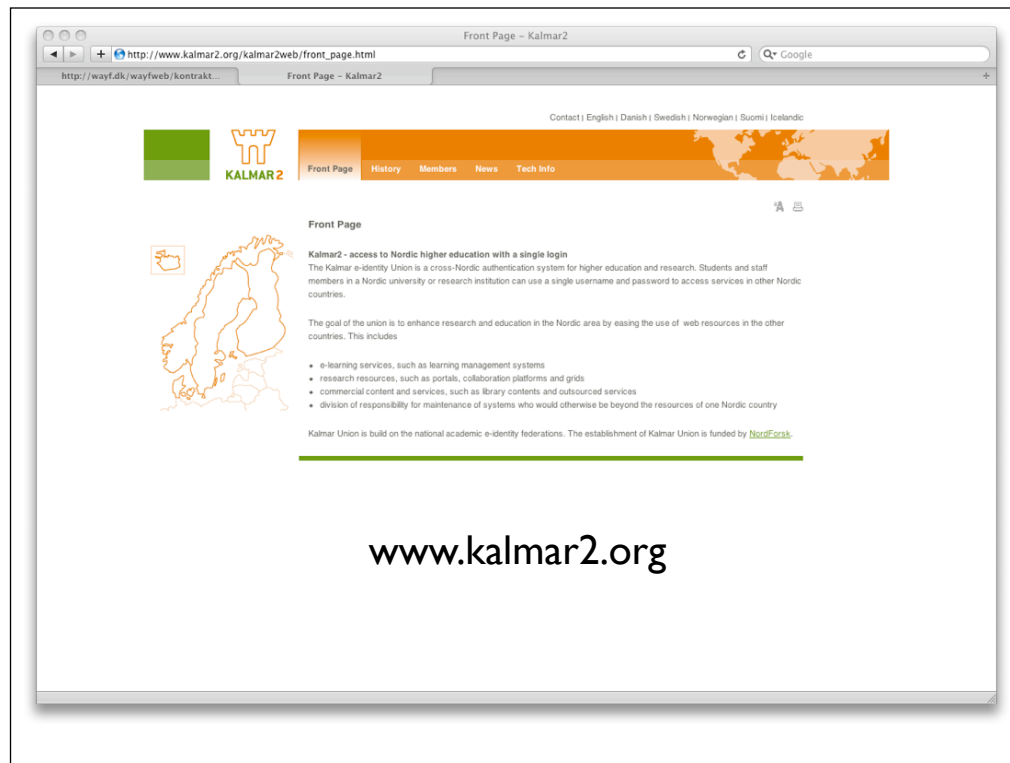
SERVICES
Service 5
Service 6
Service 7
Service 8

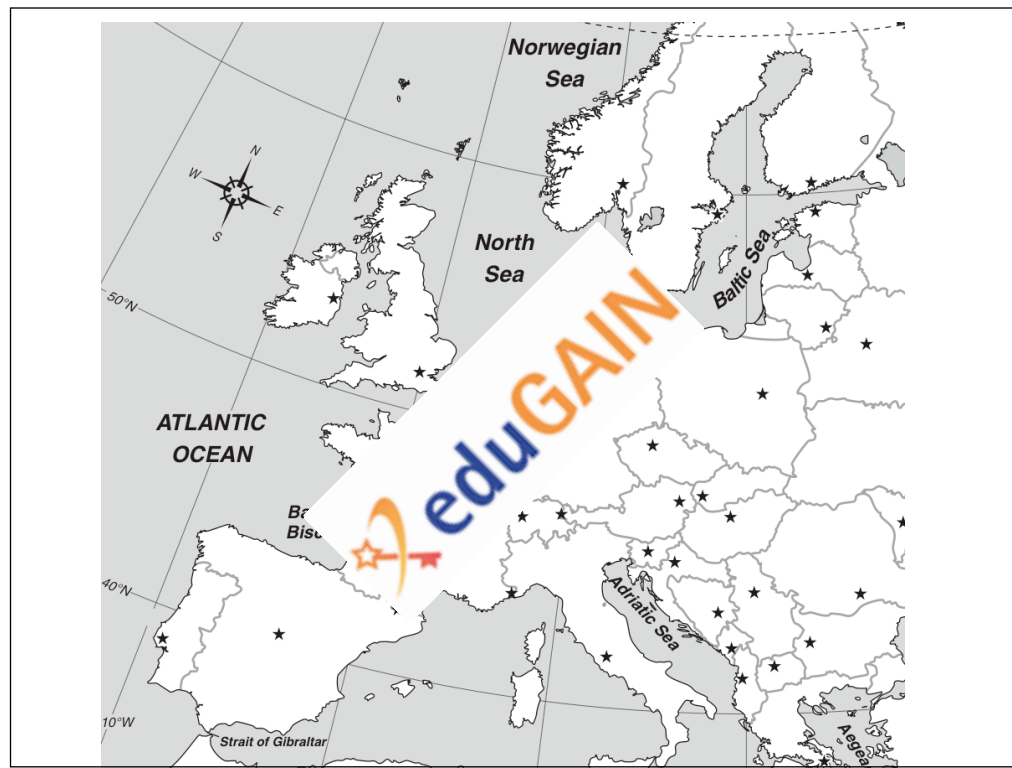
SWAMI, Sweden

INSTITUTIONS
Inst Q
Inst R
Inst S
Inst T
Inst U

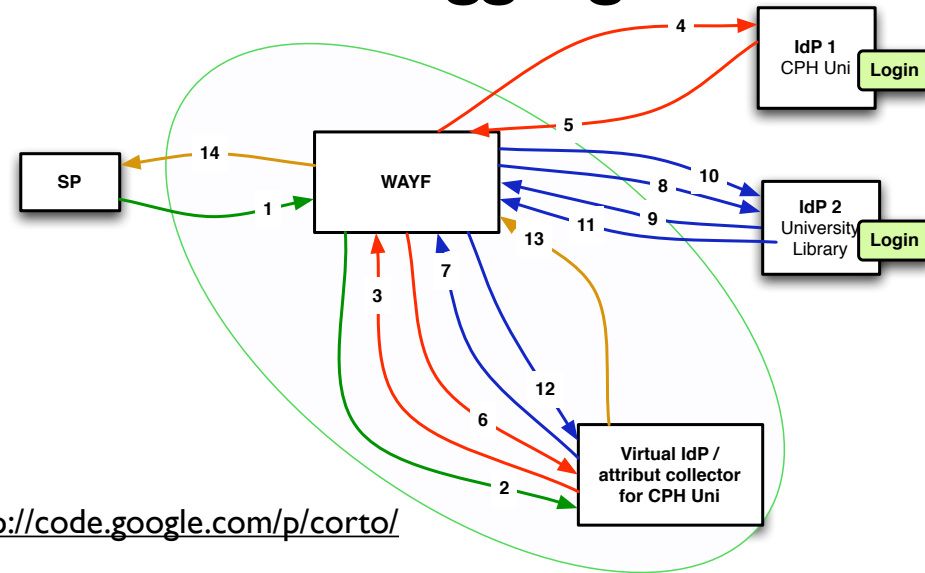
SERVICES
Service 9
Service 10
Service 11
Service 12


KALMAR2





Attribute aggregation



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

TERENA Cert Service

Certificates
*Request new**
*My certificates**
*Revoke**
CA Certificate

Help
About NREN
About Portal
Privacy Notice
Help

Language ▾

Login

TCS eScience Portal

*This service allows you to get or deactivate a personal certificate.
To use this service, you will need to log in.*

Login >

FAQ

+ How does it work?

+ How long are the certificates valid?

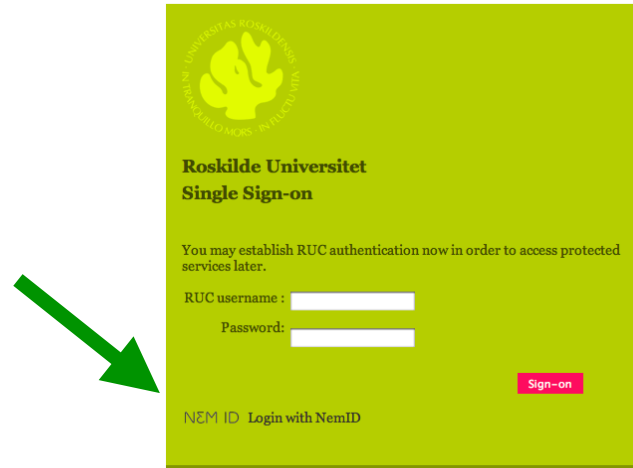
+ Why do I have to login?

+ Does Confusa store my private data?

+ What is this "Confusa" I see everywhere?

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

Multiple levels of assurance



The image shows a screenshot of the Roskilde University Single Sign-on page. At the top left is the Roskilde University logo, a circular emblem with a tree and the text 'ROSKILDE UNIVERSITET' and 'FUND. 1827'. Below the logo, the text 'Roskilde Universitet' and 'Single Sign-on' is displayed. A message states: 'You may establish RUC authentication now in order to access protected services later.' Below this, there are two input fields: 'RUC username :' and 'Password:'. A green arrow points to the 'RUC username :' field. To the right of the password field is a red 'Sign-on' button. At the bottom left, it says 'NEM ID Login with NemID'.

<http://signon.ruc.dk/>

Wrap up

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

Roo

ent?



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.