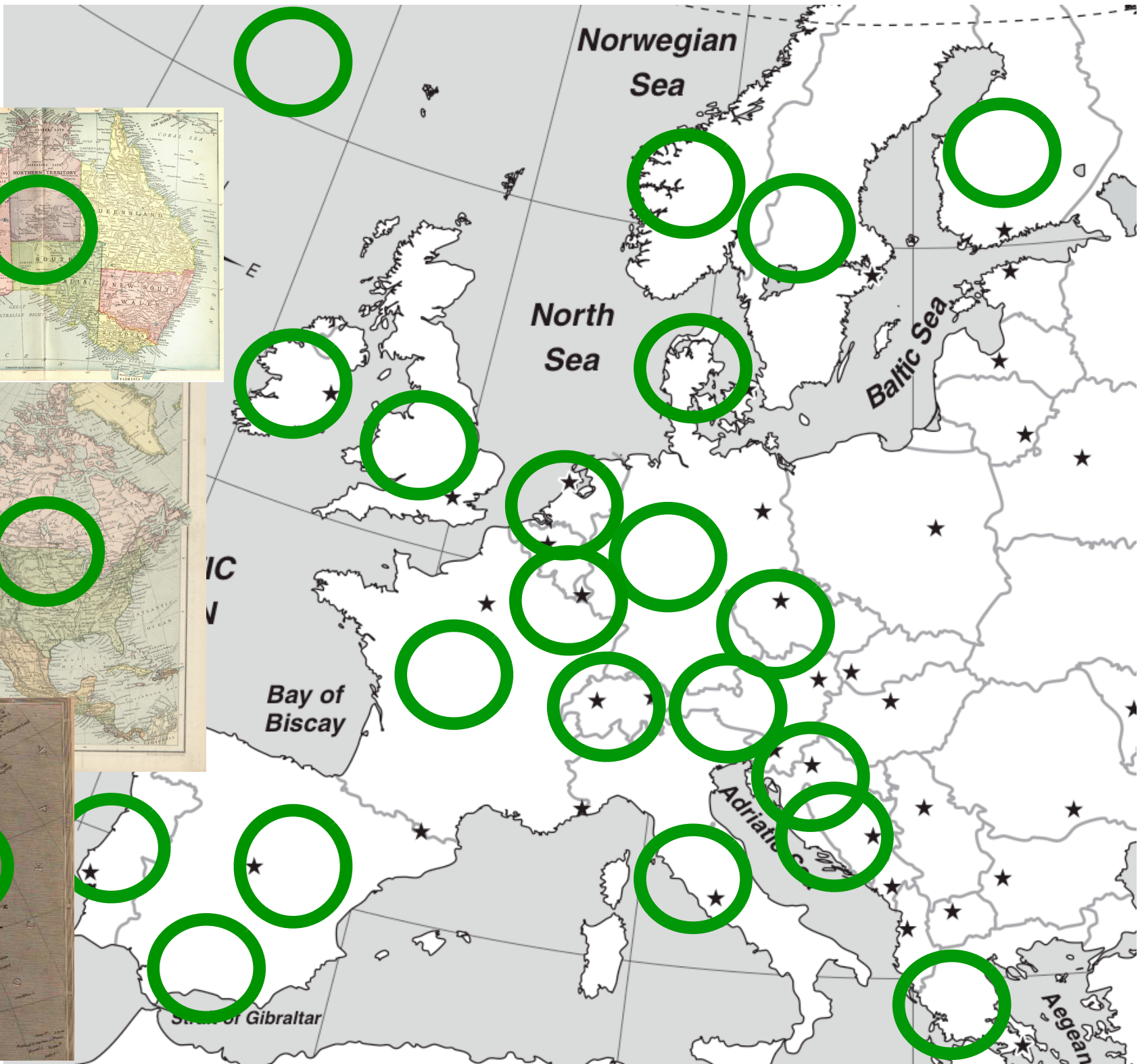
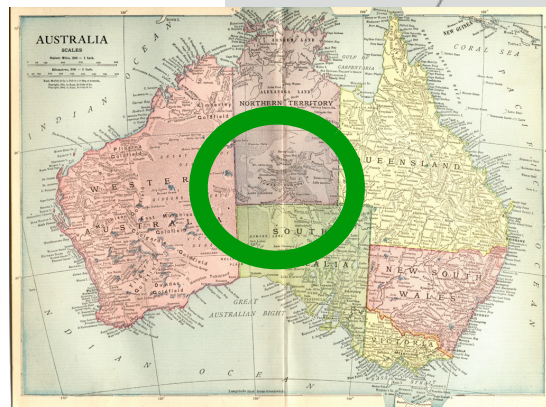


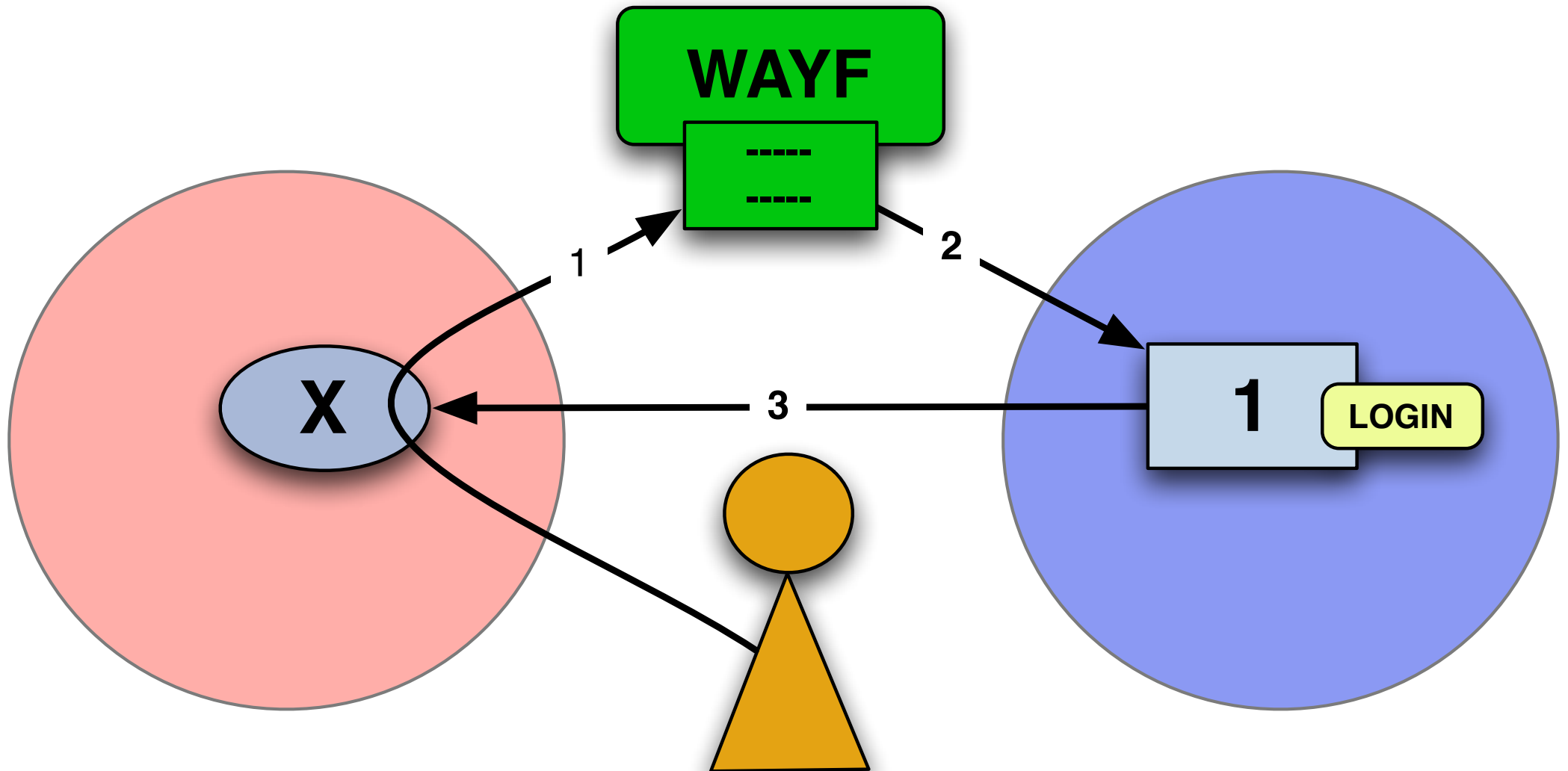
Kalmar2 operations and WAYF IdP handling



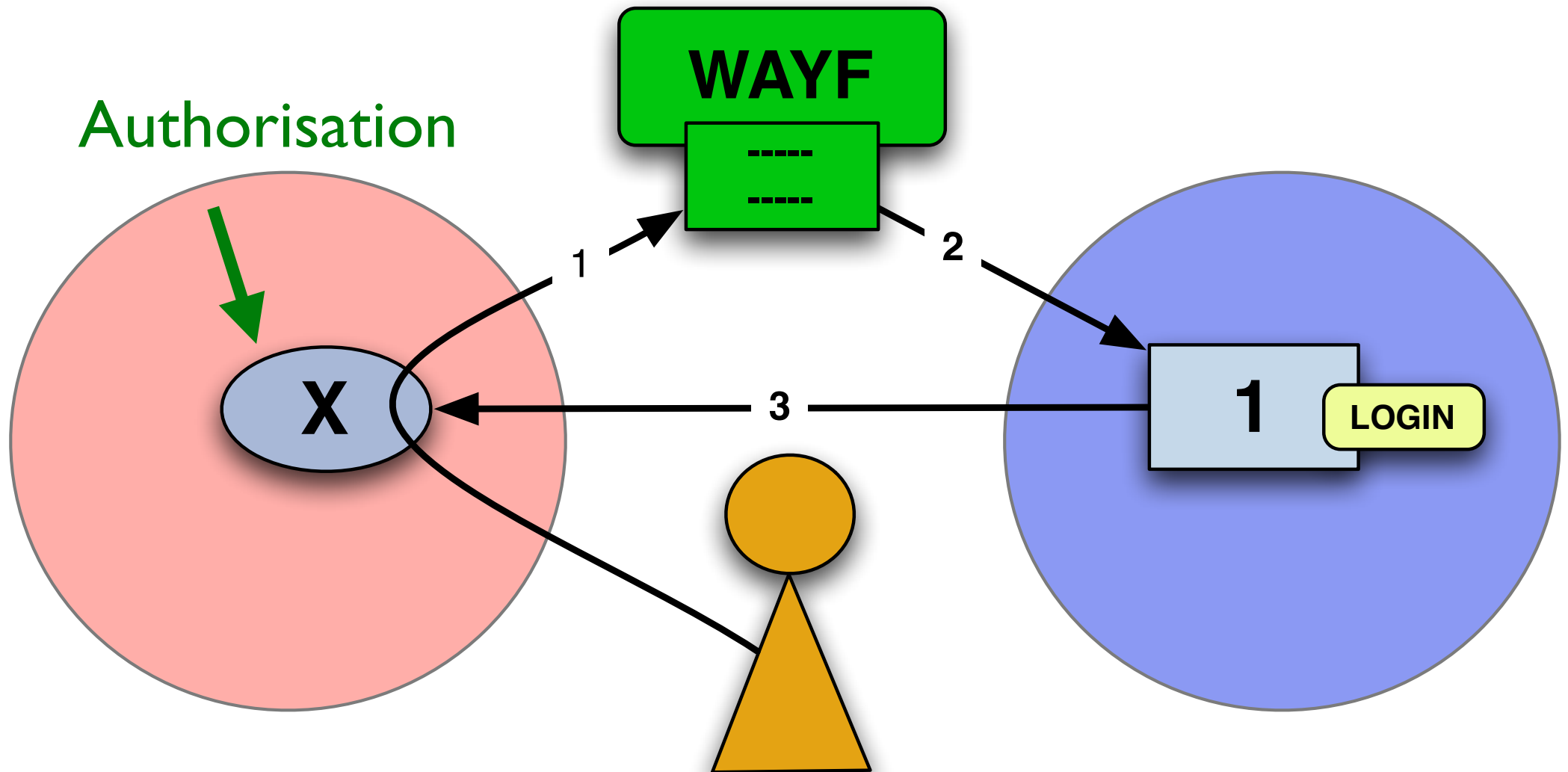
David Simonsen (david@wayf.dk)



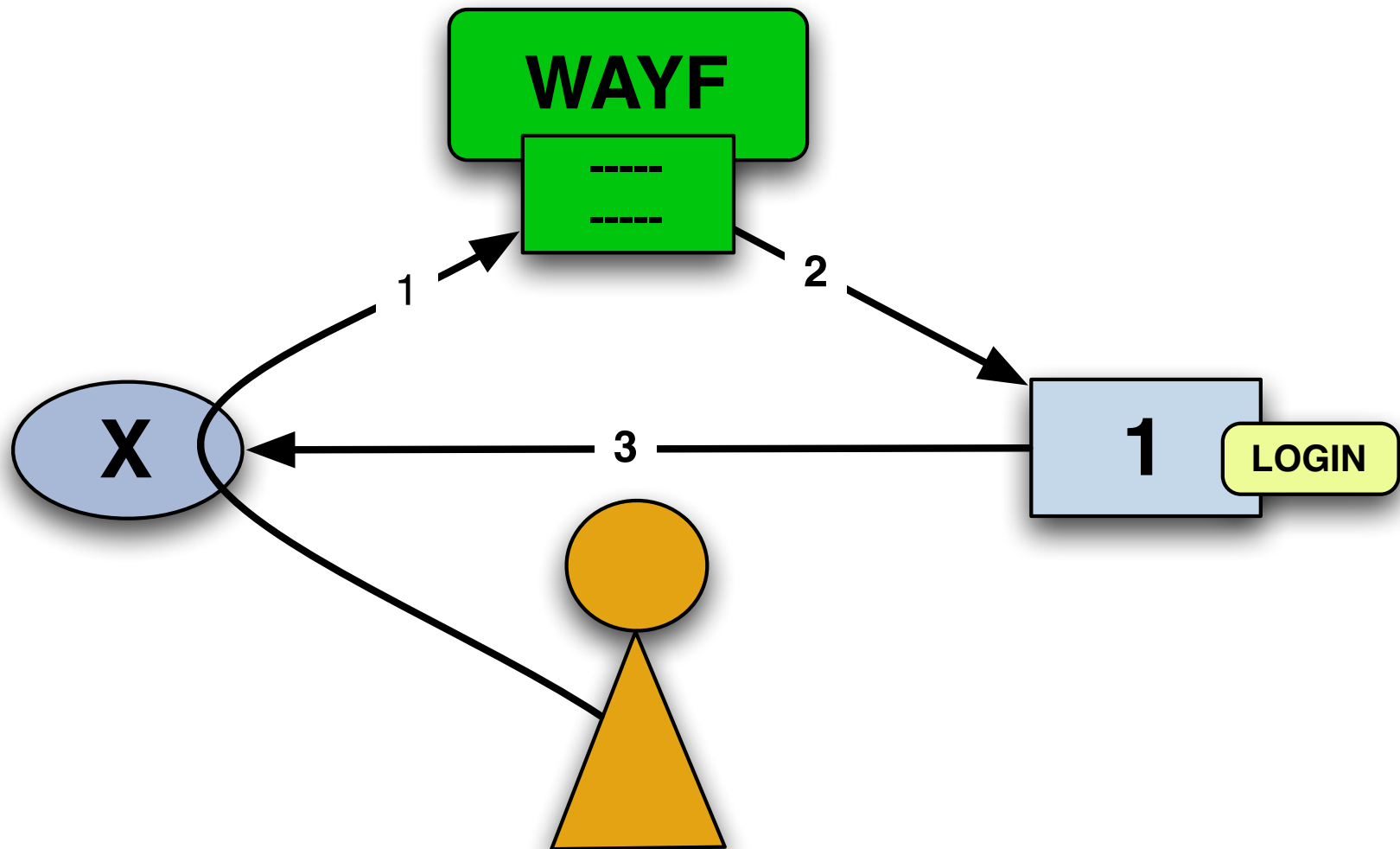
Basic concept



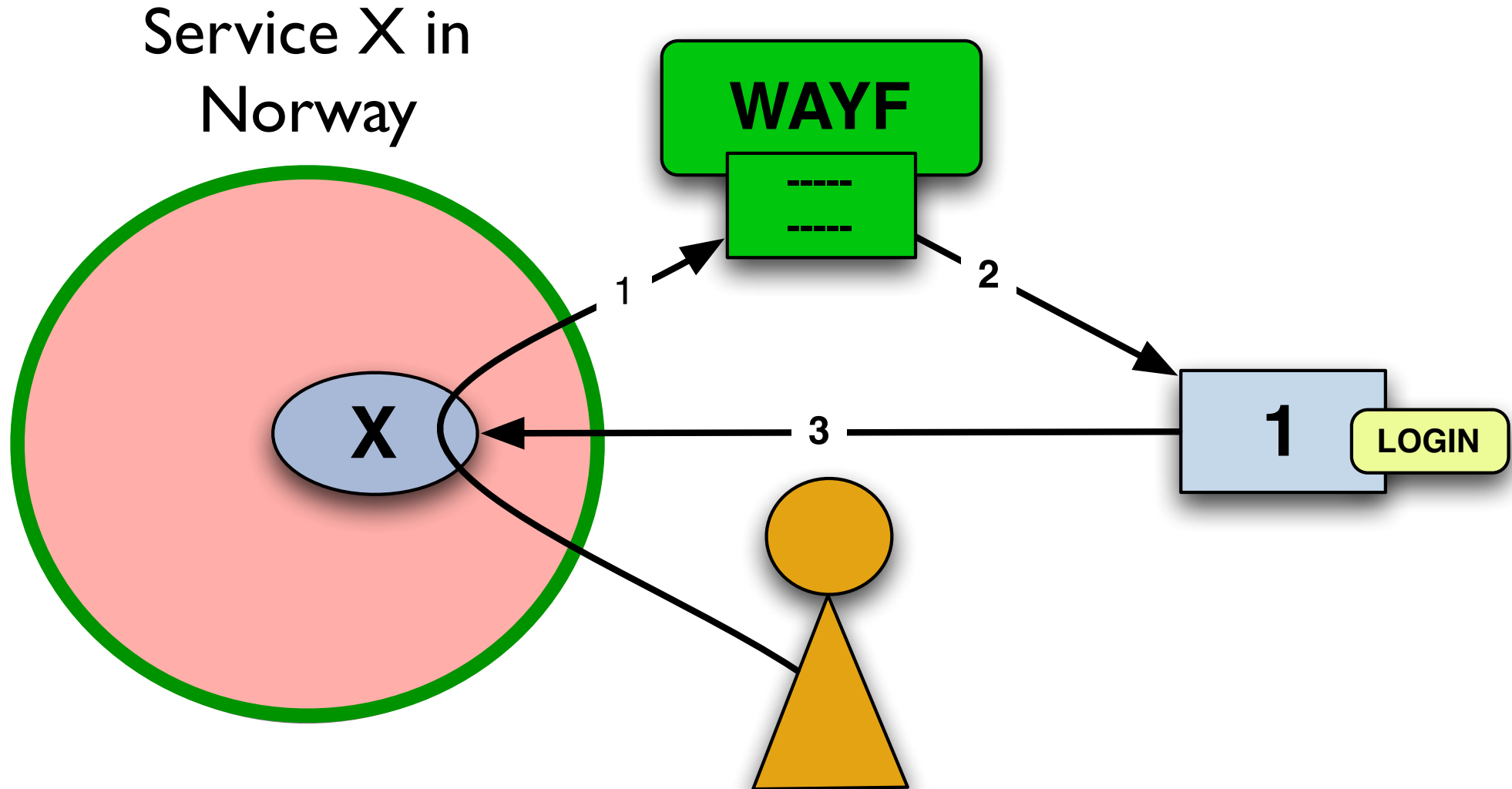
Basic concept



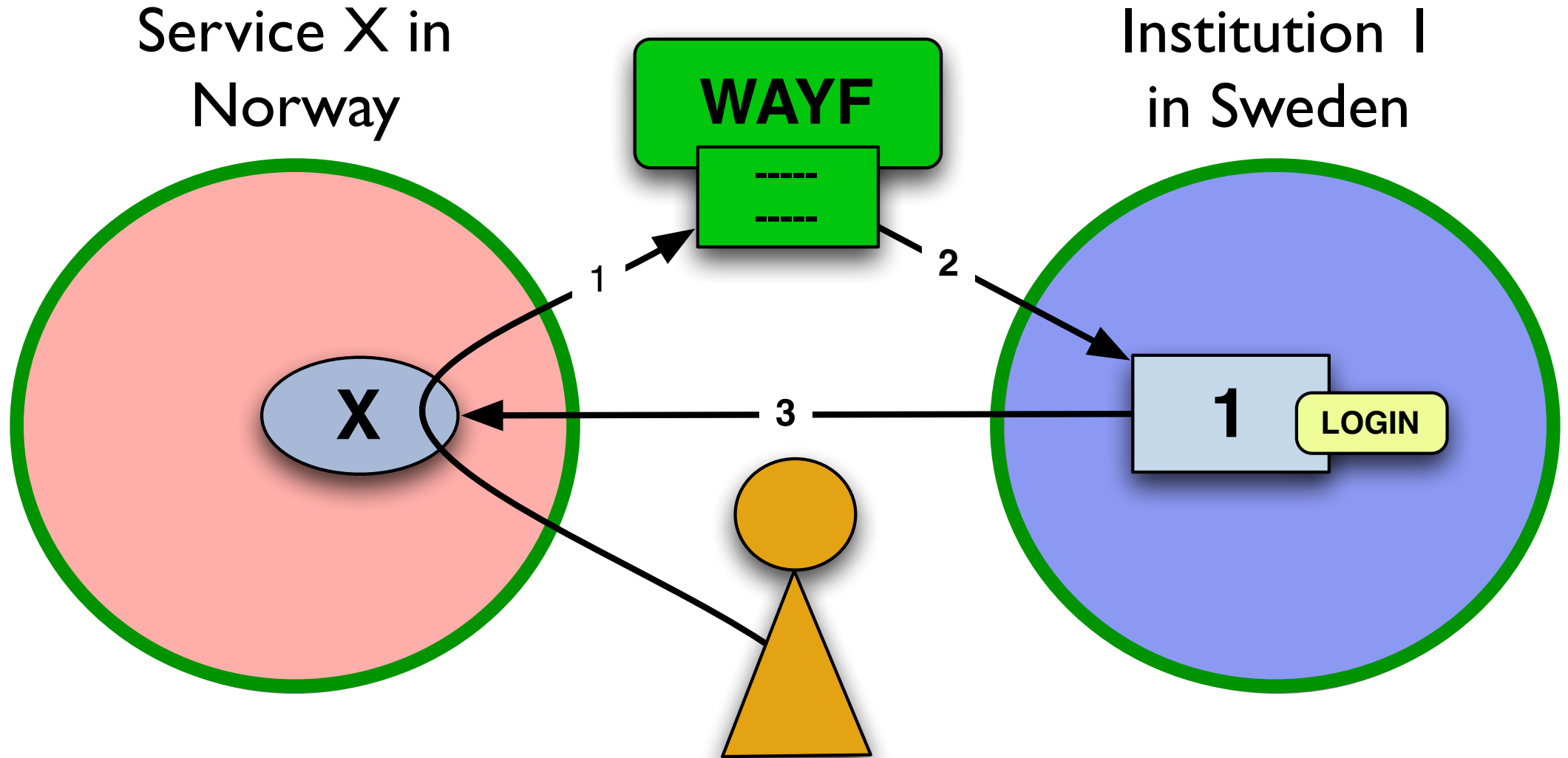
Basic concept



Basic concept



Basic concept

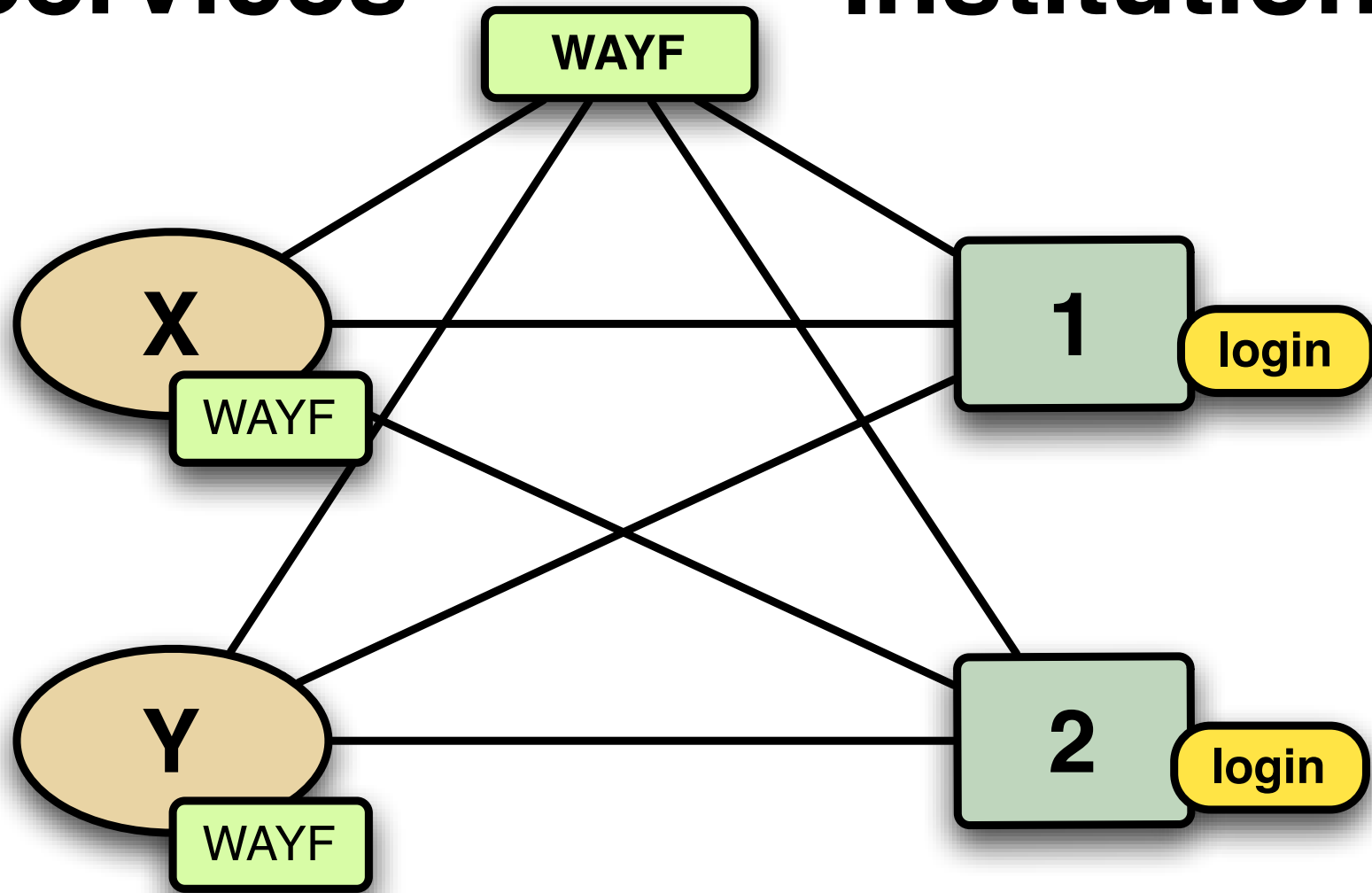


Federation architectures

Shibboleth, S, SF

Services

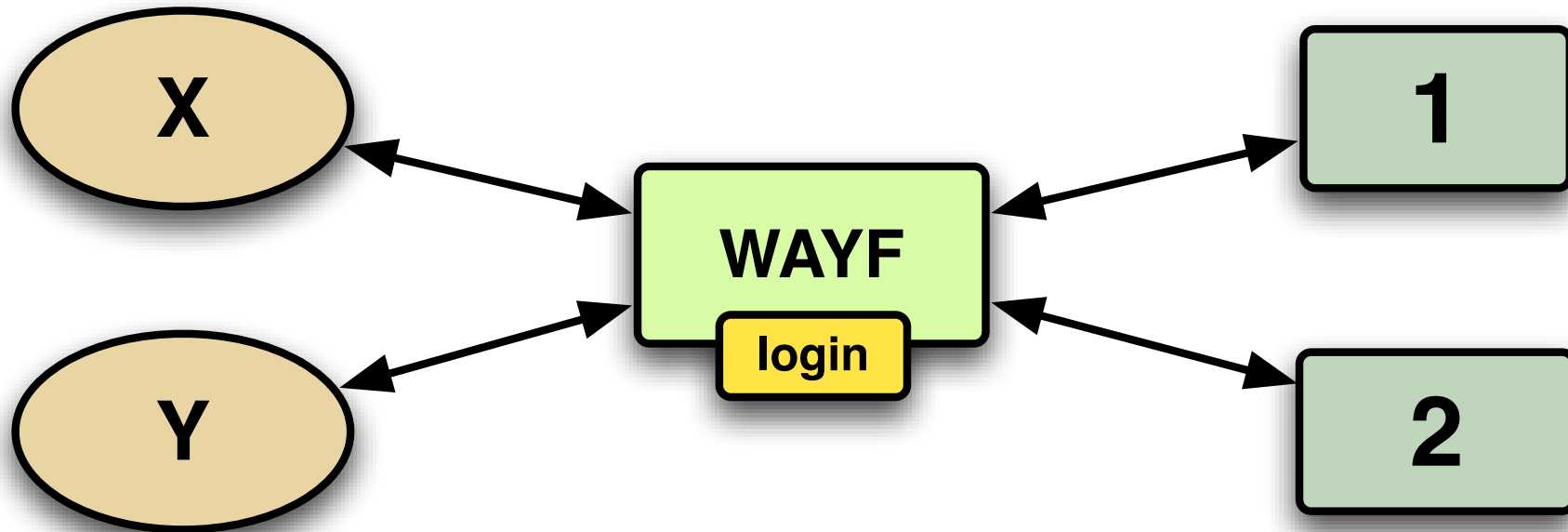
Institutions



FEIDE, Norway

Services

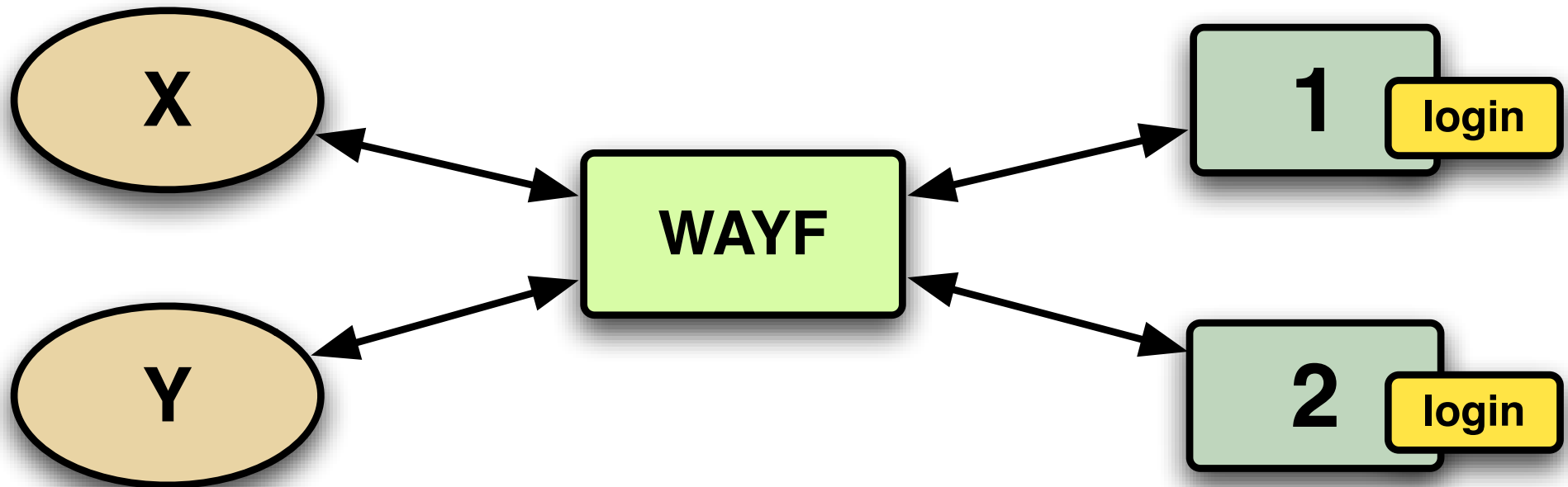
Institutions

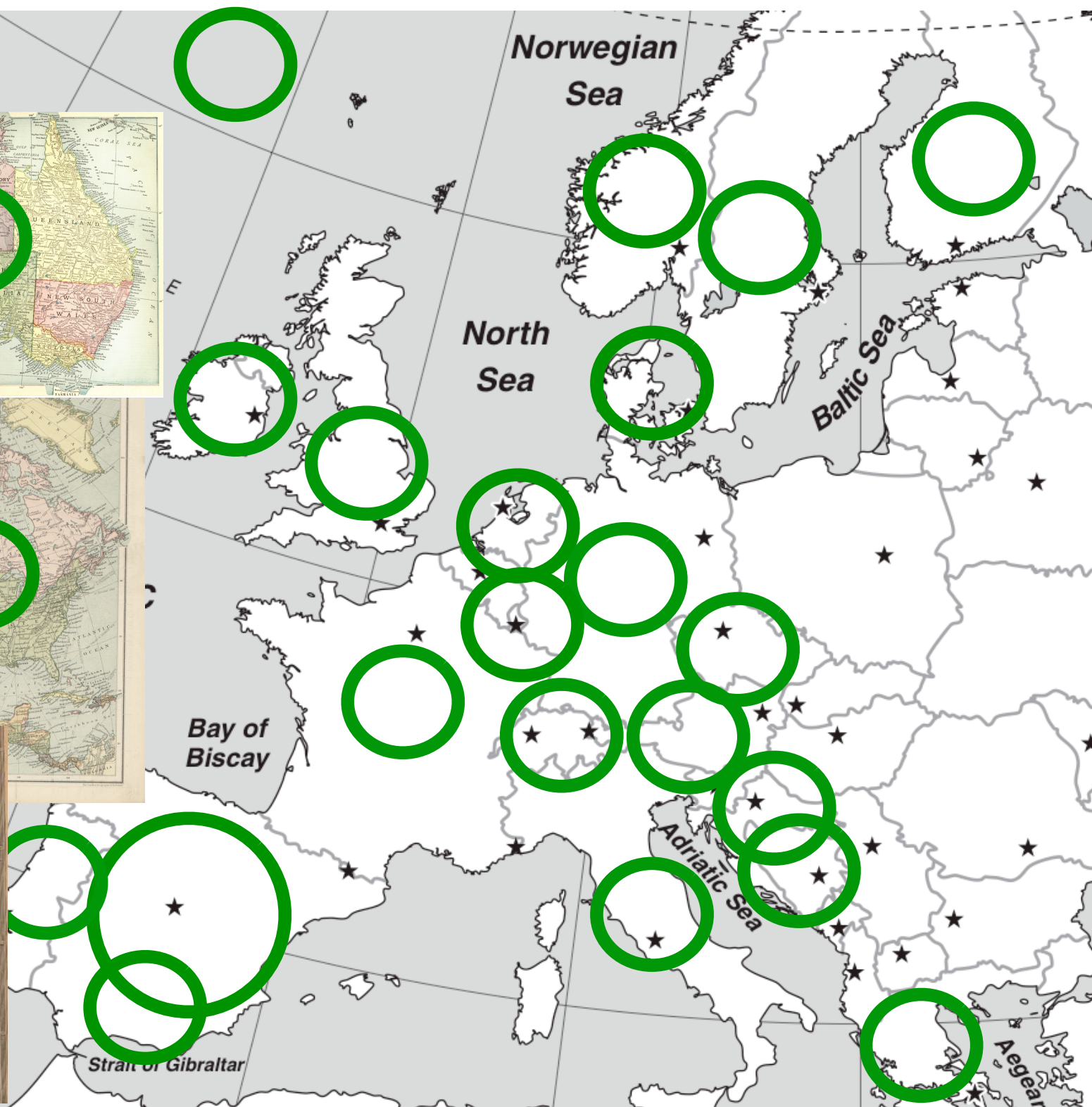
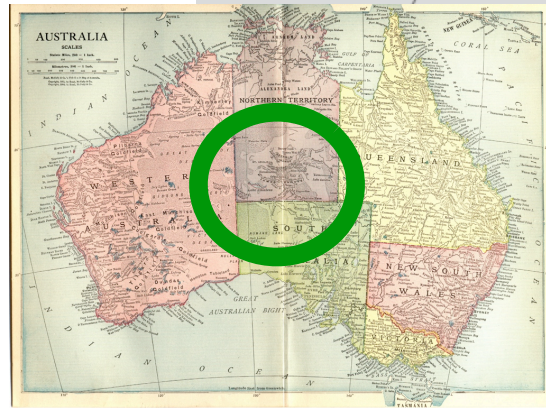


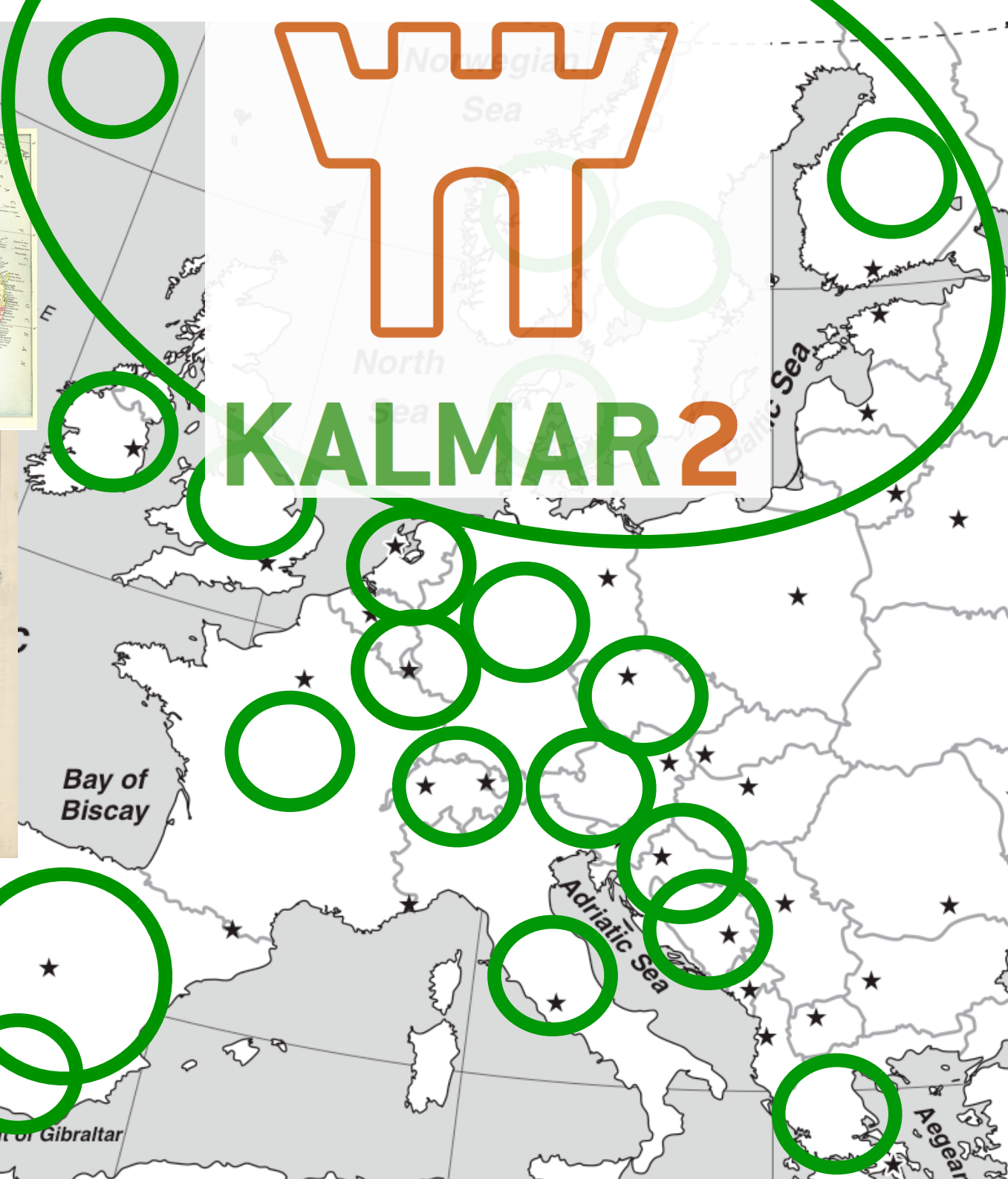
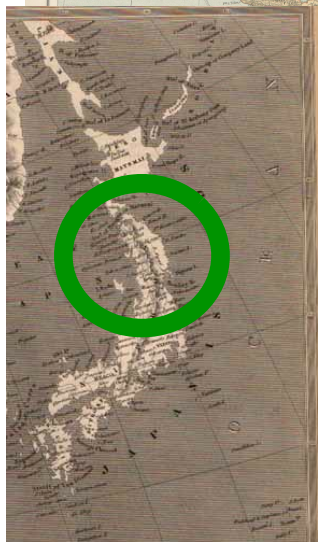
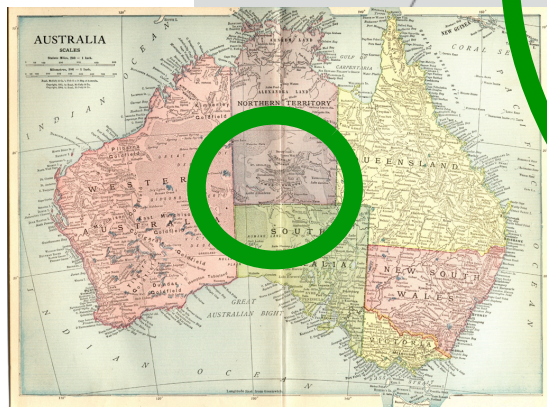
Denmark, Holland, Spain ...

Services

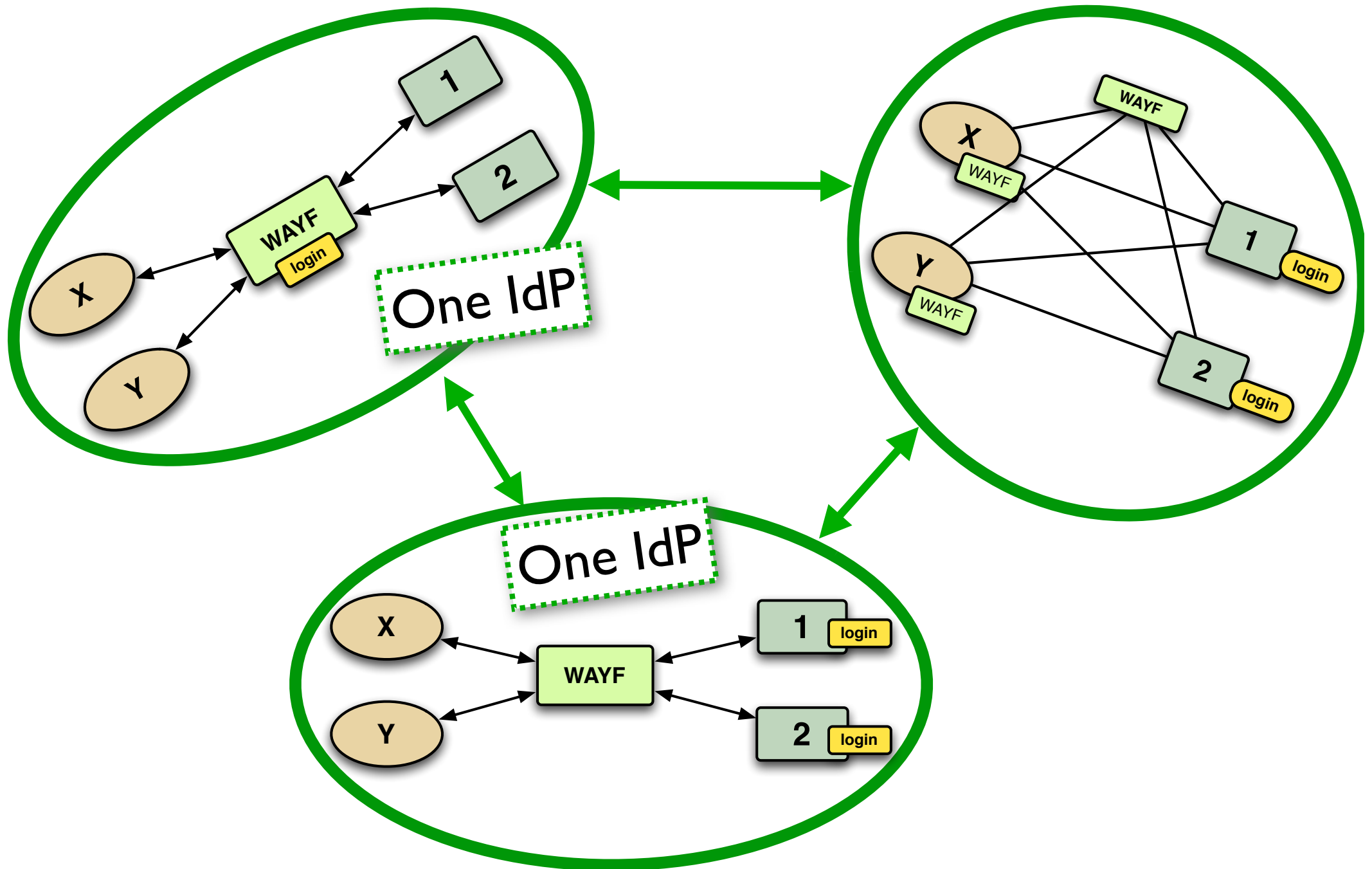
Institutions





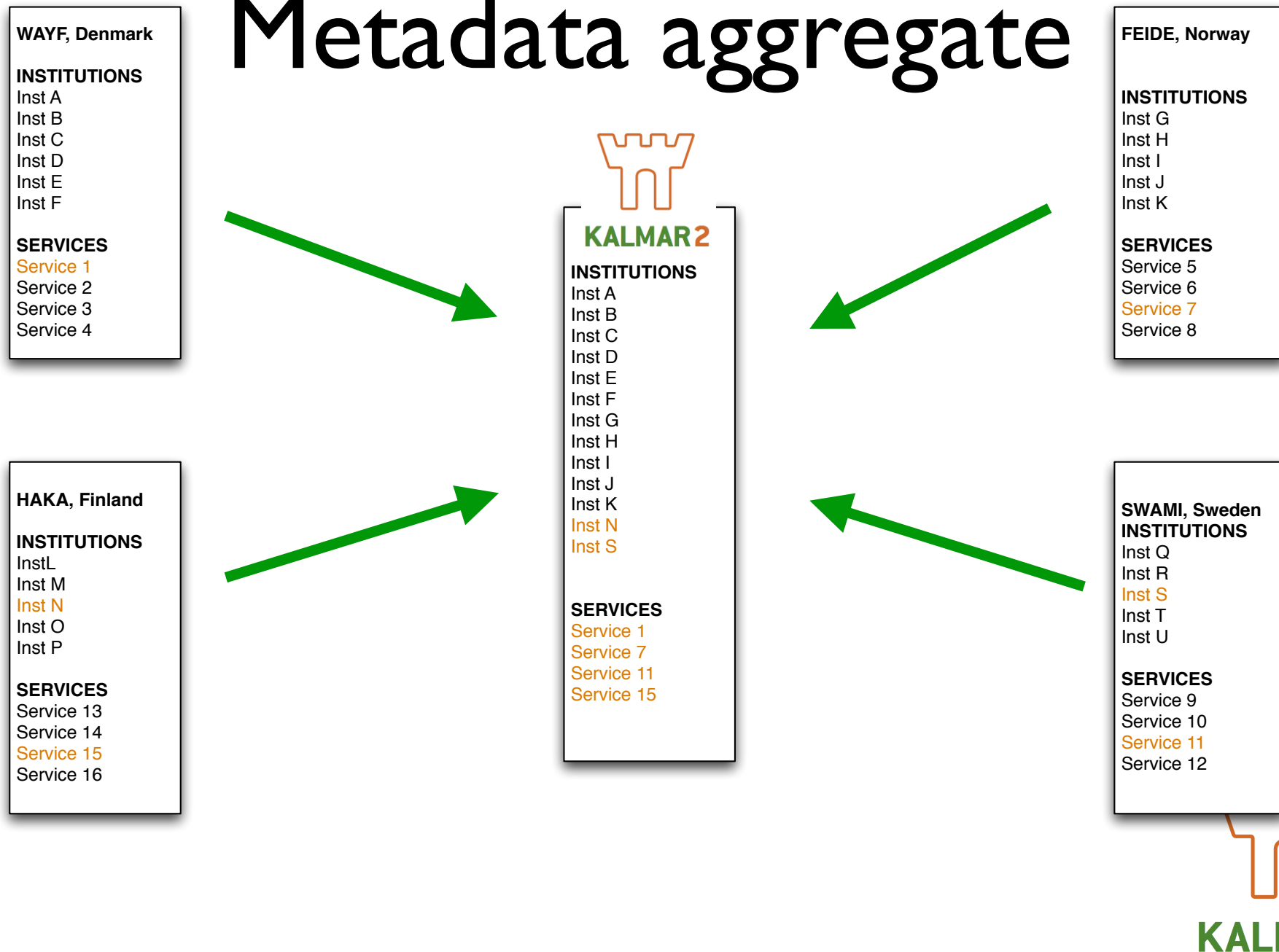


Inter-federation



Kalmar Union

Metadata aggregate





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Front Page



Kalmar2 - access to Nordic higher education with a single login

The Kalmar e-identity Union is a cross-Nordic authentication system for higher education and research. Students and staff members in a Nordic university or research institution can use a single username and password to access services in other Nordic countries.

The goal of the union is to enhance research and education in the Nordic area by easing the use of web resources in the other countries. This includes

- e-learning services, such as learning management systems
- research resources, such as portals, collaboration platforms and grids
- commercial content and services, such as library contents and outsourced services
- division of responsibility for maintenance of systems who would otherwise be beyond the resources of one Nordic country

Kalmar Union is build on the national academic e-identity federations. The establishment of Kalmar Union is funded by [NordForsk](#).

www.kalmar2.org

Kalmar operations

- NORDUnet machines
- Operations: WAYF
 - Machines
 - metadata validation
 - metadata aggregation
- Bi-weekly operational meetings
- No procedures for knowledge sharing beyond federation level

WAYF IdP management

- Attribute value check
- Attribute format check
- Certificate check
- Check for delevrance of MUST attritbutes
- To come: time skew check
- (Almost) real time usage statistics
- CRM underway
- Federation status notification underway

