

A Federated Identity Management within Norwegian Education

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ICT and the educational system in Norway

- Norwegian educational institutions have long been well equipped
 - Since 2006: ICT embedded in the curriculum
- Institutions were increasingly becoming dependent on computer-based systems
 - For both administrative and pedagogical purposes
- There was/is a problem with multiple usernames and passwords
- There was /is too little competition among vendors in the market

We needed a system

- For identifying individuals and controlling their access to resources within that system by associating user rights and restrictions with the established identity.
- A system that
 - Was based upon open standards
 - Enabled Single Sign-On solutions
 - Enabled increased competition through standardization

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Federated Electronic Identity (FEIDE) in the entire educational system

Feide since 2000 - initially higher education

- Operational login service since 2003
 - 7 universities, 46 university colleges
 - 77% of students, staff (225.000) use FEIDE

The challenge now: Implementing FEIDE in Schools

- Participation decided by Ministry of Education early 2006
- Identity management should be available by 2010 for all schools
 - ≈ 3610 schools / 450 school-owners
 - > 95% of the schools are on-line
 - ≈ 900.000 pupils, teachers (+ parents: ≈ 500.000!)



	2006	2007	2008	2009	2010
Upper secondary Education		75 %	90 %	100 %	
Primary and Lower Secondary Education			50 %	80 %	100 %