

## Authentication and authorization - from small to large arenas

e-IRG WS Uppsala 14-15/10 2009

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# Identity

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- from small to large arenas

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## Topics for today

- Economics of Identity
- Identity Landscape 101
- Some current projects

# The Economics of Identity



## How much does an identity cost?

- **40-60 €/id/year**
  - Identity vetting
  - Credentials resets
  - Helpdesk

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  - Helpdesk
- ~ **3-7% of a campus IT budget**

# How much does an id cost?

- 40-60 €/id/year
  - Identity vetting
  - Password resets
  - Helpdesk
- ~ 3-7% of a campus IT budget
- **Now imagine doing that for more than 1 identity on your campus or for your project!**

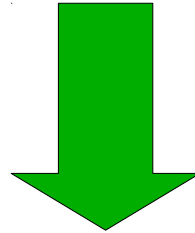
## The sweet spot of R&E IT economy

- We have the complexity
- We *don't* have the resources



# The sweet spot of R&E IT economy

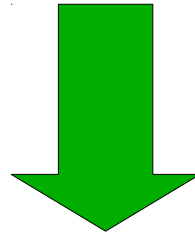
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- Resource sharing creates value

# The sweet spot of R&E IT economy

- We have the complexity
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- Resource sharing creates value
- **R&E is (almost) unique in the large-scale deployment of identity-driven collaboration**

# Identity Landscape 101



## Claims-based identity

*Claim: A set of statements about a subject*



# Laws of Identity (Kim Cameron)

- User Control and Consent
- Minimal Disclosure for a Constrained Use
- Justifiable Parties
- Directed Identity
- Pluralism of Operators and Technologies
- Human Integration
- Consistent Experience Across Contexts

## The three main technology players

- OpenID
- SAML (Security Assertion Markup Language)
- Information Card (MSFT CardSpace)

# Deployment Scenarios

- **OpenID**
  - Customer facing
  - Low assurance
- **SAML**
  - Business-to-business (B2B)
  - R&E identity federations
  - e-Government
  - Medium to high assurance
- **InfoCard**
  - *almost none...*

# Some Current Projects





## Nordics

- Nordic TCS SLCS/MICS service
- Federation-enabled Web Conference (SE)
- Identity vetting using national ID (DK)
- Group/VO platforms (DK/CH)

# Europe

- EduGAIN
- eduroam



## Global

- Global cross-federation
- Federation-enabled grants mgmt
- usa.gov and the Obama identity race

# Q & A

