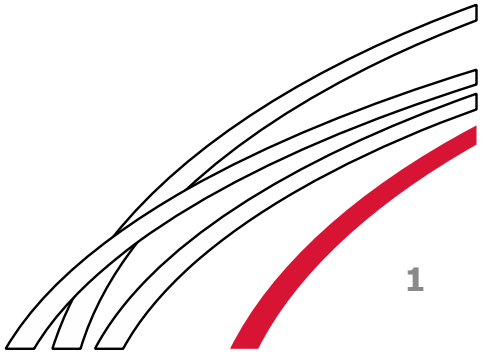
REFEDS

eduGAIN: making the infrastructure work for users

Nicole Harris

EU-DAT 2nd Annual Conference



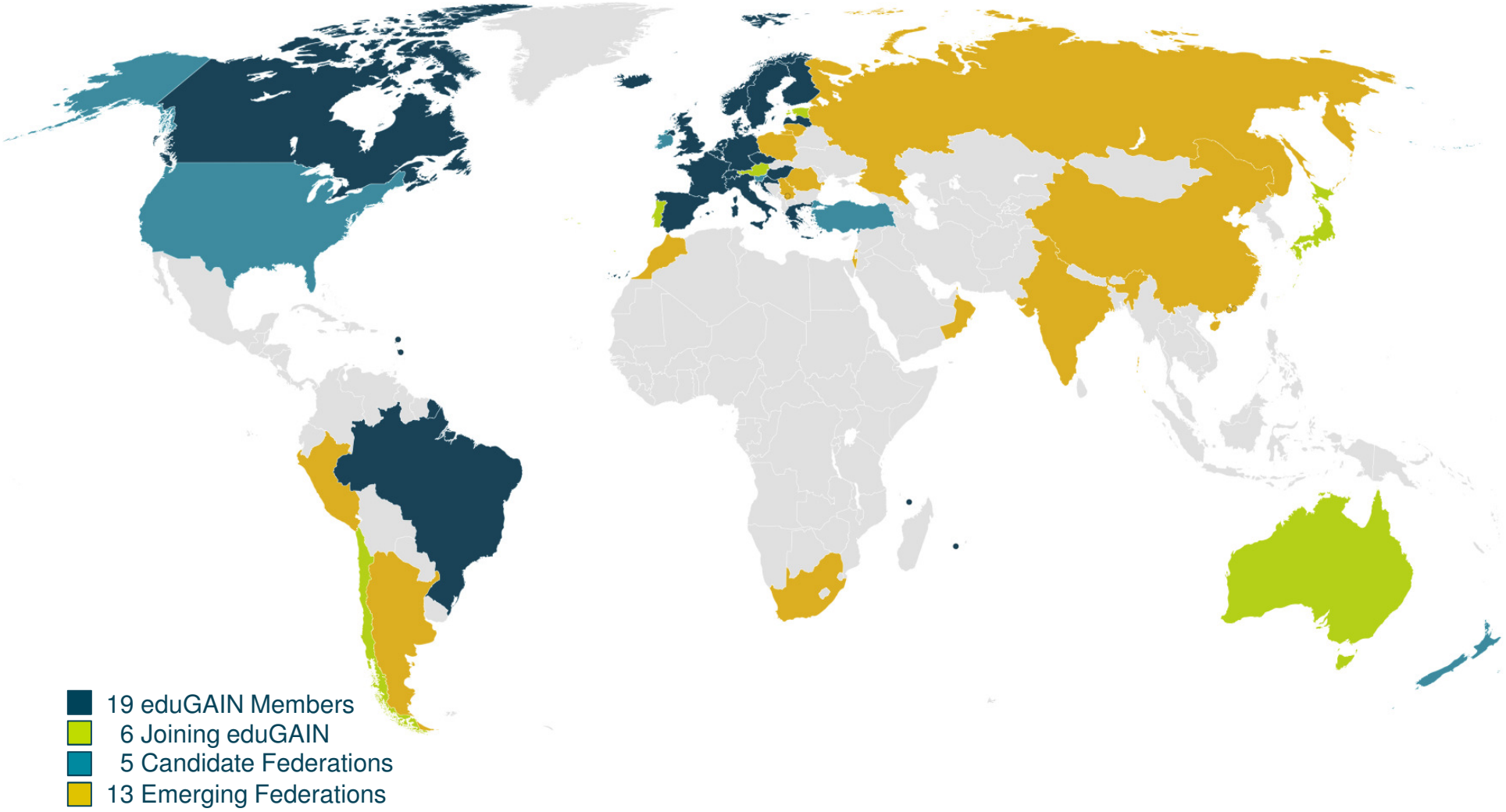
All About eduGAIN…

- ***G***lobal ***A***uthentication ***IN***frastructure
- Web site: http://www.eduGAIN.org/
- SAML2-based ("All roads lead to SAML2")
  - Currently mostly web-based services but non-web services are supported too (e.g. via SAML ECP)
- An interfederation service ***primarily*** for Research & Education
  - Connects existing SAML-based academic identity **federations**
- Developed and funded by European GÉANT projects
  - But open also to non-European federations
- Complaints/comments to @BrookSchofield or schofield@terena.org

Some Statistics

- **April 2011:** Official start of eduGAIN
- **Now: 19 Federations** (now also including UK) , 6 joining
- **Current Entities: 143 IdPs, 73 SPs**
  One IdP can stand for dozens of organisations depending on federation architecture
- **Whole (academic) SAML landscape:**
  43 Federations, 2390 IdPs, 4654 SPs (gathered from metadata)
  Not all of them need to be interfederated, e.g. many internal SPs

eduGAIN & Federation Status



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IN THE BEGINNING...

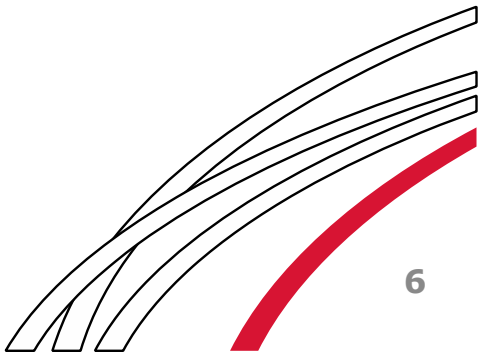
REFEDS EPIPHANY, 2010

- If we want stuff to happen, we need:
  - Money;
  - Workpackages;
  - Decision Makers;
  - Minions;
  - Focus.

- From 2010, REFEDS has been funded by several NRENS / FEDERATIONS to help carry work forward.

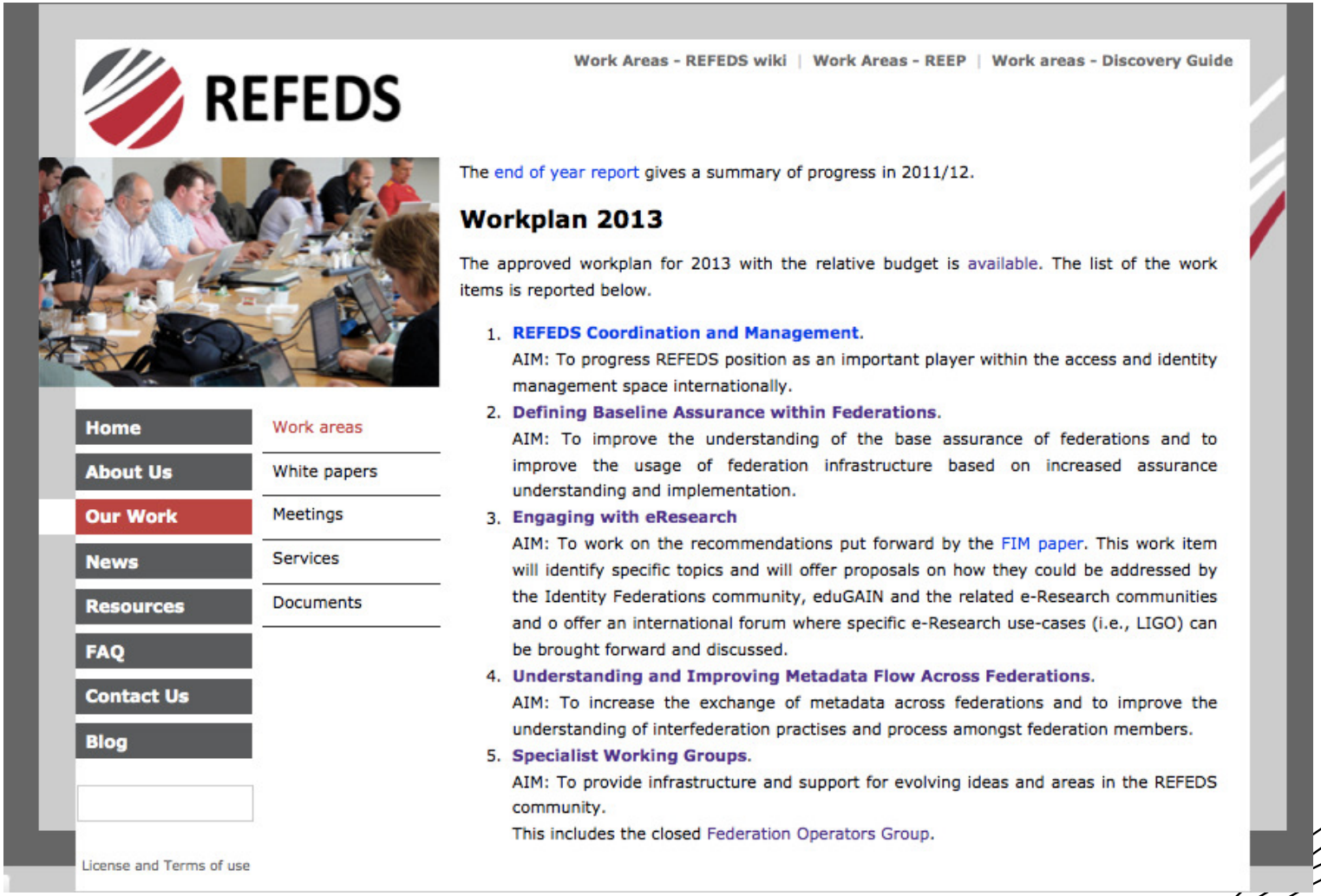
- Has established a steering committee, plans, reporting.

- Is helping to make change happen.



PRIVACY
SECURITY
USABILITY
https://
JISC

WHAT ARE WE DOING FOR YOU?



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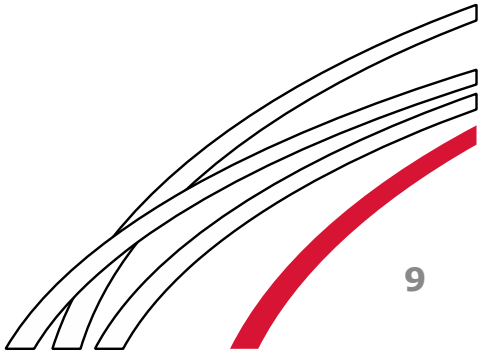
ATTRIBUTE RELEASE

- Code of Conduct – to help IdPS have confidence to release attributes to Service Providers.

- Entity Categories: groups defined by federations to give assurance to IdPs that they can release. REFEDS defining ‘Research and Scholarship’, ‘Code of Conduct’ (with GEANT) and possible ‘Student’ category.

- https://refeds.terena.org/index.php/Data_protection_coc.

- https://refeds.terena.org/index.php/Entity_Categories.



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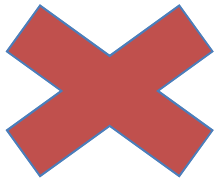
GUEST IDPS?

- 2012 suggestion: use EXISTING ‘social’ IdPs and other offerings such as the FEIDE OpenID solution.



- Work with SWAMID Social IdP: https://portal.nordu.net/display/SWAMID/eduID.se.

- Work with GARR IdP in the cloud: http://www.terena.org/activities/vamp/ws2/slides/Lalla_Mantovani.pdf.

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ASSURANCE / COMMON PRACTICE

- LoA or Assurance Profiles?
- Not clear what the common practices of Identity Providers are.
- Federation Policy Template: http://www.terena.org/activities/eurocamp/oct12/slides/Identity%20Federation%20Policy%20Template%20v0.4.pdf.
- Federation Operator Practices / LOA work: https://refeds.terena.org/index.php/LOA_for_RANDE_Federations

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INTERFACE ISSUES

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COVERAGE

- How do I know my IdP / SP is being published to eduGAIN?
- How do I know federations are consuming and publishing my entity data when put in eduGAIN?

MET.REFEDS.ORG

COMING SOON….

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QUESTIONS?

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