



## **eduGAIN: making the infrastructure work for users**

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EU-DAT 2<sup>nd</sup> Annual Conference



# All About eduGAIN...



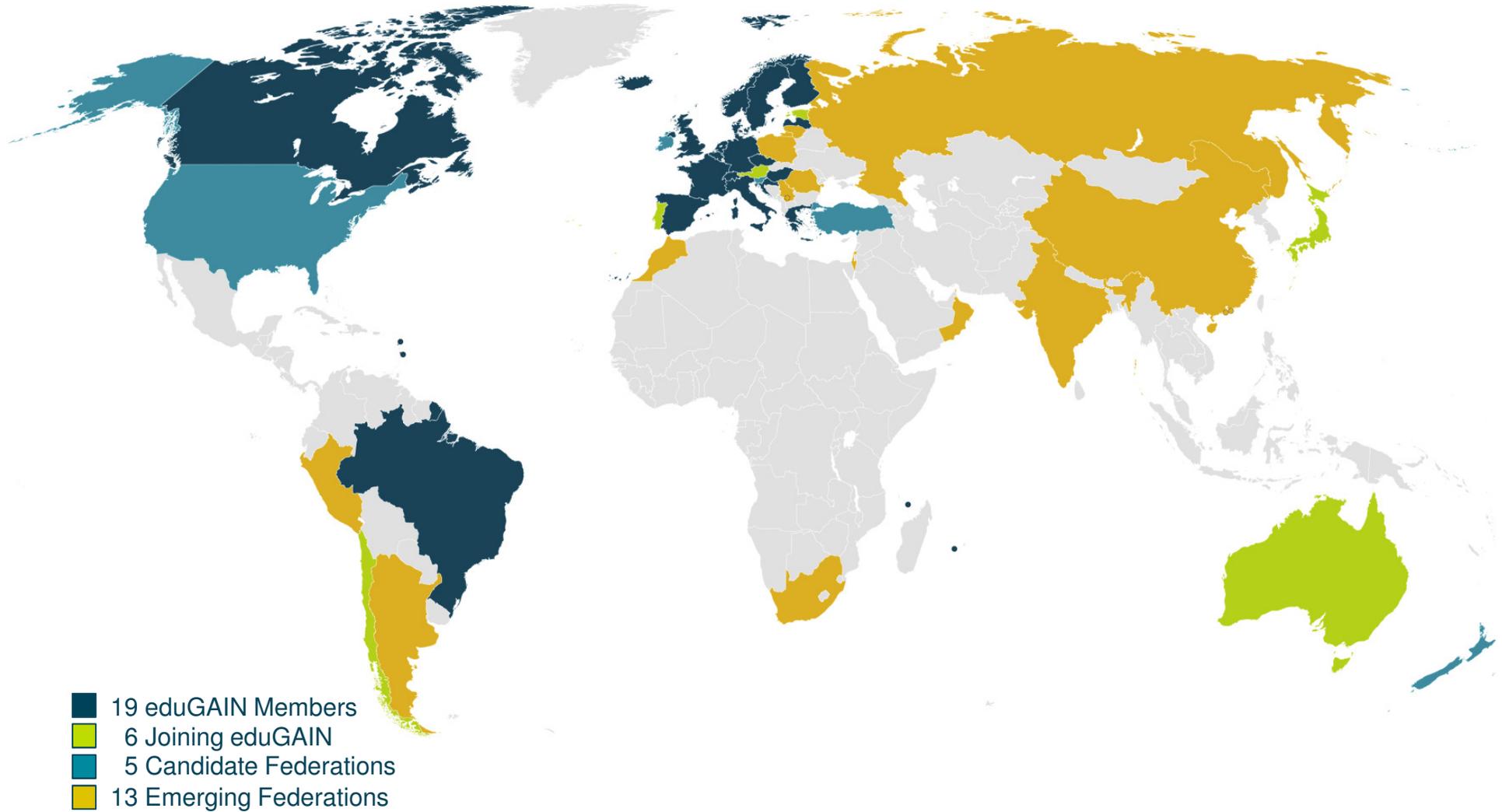
- Global **A**uthentication **I**nfrastructure
- Web site: <http://www.eduGAIN.org/>
- SAML2-based ("All roads lead to SAML2")
  - Currently mostly web-based services but non-web services are supported too (e.g. via SAML ECP)
- An inter federation service **primarily** for Research & Education
  - Connects 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](mailto: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





## IN THE BEGINNING...



- 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.







[Work Areas - REFEDS wiki](#) | 
 [Work Areas - REEP](#) | 
 [Work areas - Discovery Guide](#)



The [end of year report](#) gives a summary of progress in 2011/12.

## Workplan 2013

The approved workplan for 2013 with the relative budget is [available](#). The list of the work items is reported below.

1. **REFEDS Coordination and Management.**  
AIM: To progress REFEDS position as an important player within the access and identity management space internationally.
2. **Defining Baseline Assurance within Federations.**  
AIM: To improve the understanding of the base assurance of federations and to improve the usage of federation infrastructure based on increased assurance understanding and implementation.
3. **Engaging with eResearch**  
AIM: To work on the recommendations put forward by the [FIM paper](#). This work item will identify specific topics and will offer proposals on how they could be addressed by the Identity Federations community, eduGAIN and the related e-Research communities and offer an international forum where specific e-Research use-cases (i.e., LIGO) can be brought forward and discussed.
4. **Understanding and Improving Metadata Flow Across Federations.**  
AIM: To increase the exchange of metadata across federations and to improve the understanding of inter-federation practises and process amongst federation members.
5. **Specialist Working Groups.**  
AIM: To provide infrastructure and support for evolving ideas and areas in the REFEDS community.  
This includes the closed [Federation Operators Group](#).

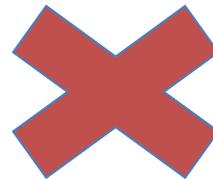
<b>Home</b>	<a href="#">Work areas</a>
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- Code of Conduct – to help IdPS have confidence to release attributes to Service Providers.
- Entity Categories: groups defined by federations to give assurance to IdPs that they can release. REFEDS defining ‘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/Data_protection_coc).
- [https://refeds.terena.org/index.php/Entity\\_Categories](https://refeds.terena.org/index.php/Entity_Categories).



- 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](http://www.terena.org/activities/vamp/ws2/slides/Lalla_Mantovani.pdf).



- 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](https://refeds.terena.org/index.php/LOA_for_RANDE_Federations)





The screenshot shows the REFEDS Discovery Guide website. At the top left is the REFEDS logo. To its right is a navigation menu with links for HOME, BEST PRACTICE GUIDE, DEMO, and ABOUT. The main heading is "REFEDS DISCOVERY GUIDE" in large yellow letters on a dark blue background. Below this is a short introductory paragraph. The page is divided into two columns. The left column is titled "BEST PRACTICE GUIDE" and features an illustration of a blue character holding a wrench. The right column is titled "DISCOVERY DEMO" and features an illustration of a blue character giving a thumbs up. Both columns have a corresponding button at the bottom: "VIEW THE BEST PRACTICE GUIDE" and "VIEW THE DISCOVERY DEMOS". At the very bottom of the page, there is a footer with the text "Terms & Conditions This work is licensed under a Creative Commons Attribution 3.0 Unported License".

**REFEDS**  
**DISCOVERY GUIDE**

REFEDS demonstrates the most effective way to present federated identity to users of your site, with best practice and examples of how to provide the best experience.

**BEST PRACTICE GUIDE**

In just 4 simple steps you can learn the key recommendations from the NISO ESPRESSO report and find out how to implement federated login in a way which protects your brand, improves user satisfaction, and increases successful logins.

**VIEW THE BEST PRACTICE GUIDE**

**DISCOVERY DEMO**

See a guided demo of how to implement the best practice guide with visual demonstrations of how to, and how not to, use federated login effectively.

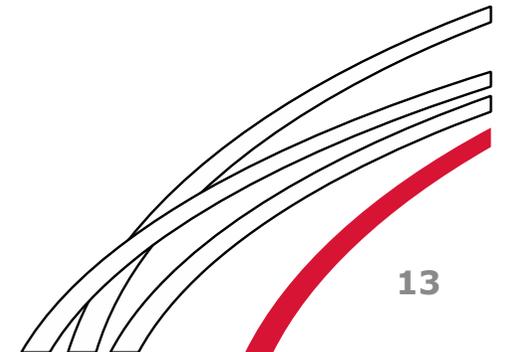
**VIEW THE DISCOVERY DEMOS**

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- 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....**





**QUESTIONS?**

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