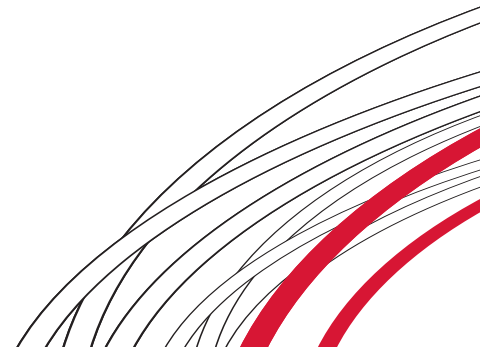




The (inter)Federation Business

Licia Florio, TERENA
florio@terena.org

APAN, Chang Mai
16 Feb 2012



- ✧ R&E community engaged in identity federations for years:
 - Remote eLearning
 - Access to publishers
 - Sharing of resources

- ✧ Growth brings also issues:
 - As you will see....



Federations

FEDERATIONS...
WEREN'T THEY TALKING
ABOUT THIS ALREADY
IN STAR TREK * ?



NAH HERE THEY MEAN A
FORM OF GOVERNANCE



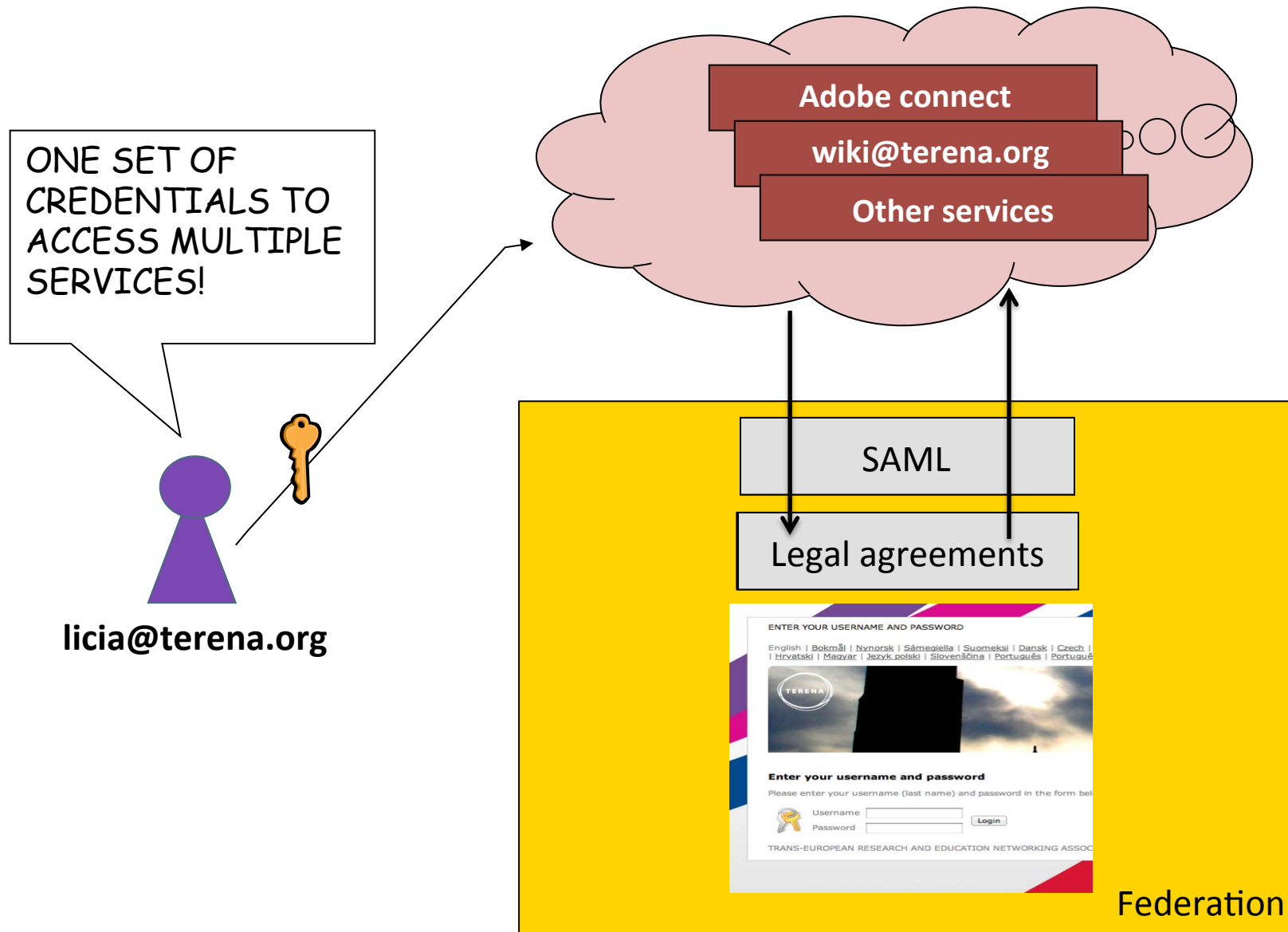
* http://en.wikipedia.org/wiki/United_Federation_of_Planets



MAYBE WE SHOULD
REVIEW SOME TERMS
FIRST



Identity Federations

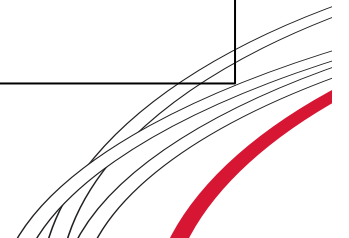


Inter-federations

Enable users from federation A to access services offered by federation B;

Requires integration of technology and policies;

Requires agreements among the participating federations;





REFEDS

Inter-federation for Network Access

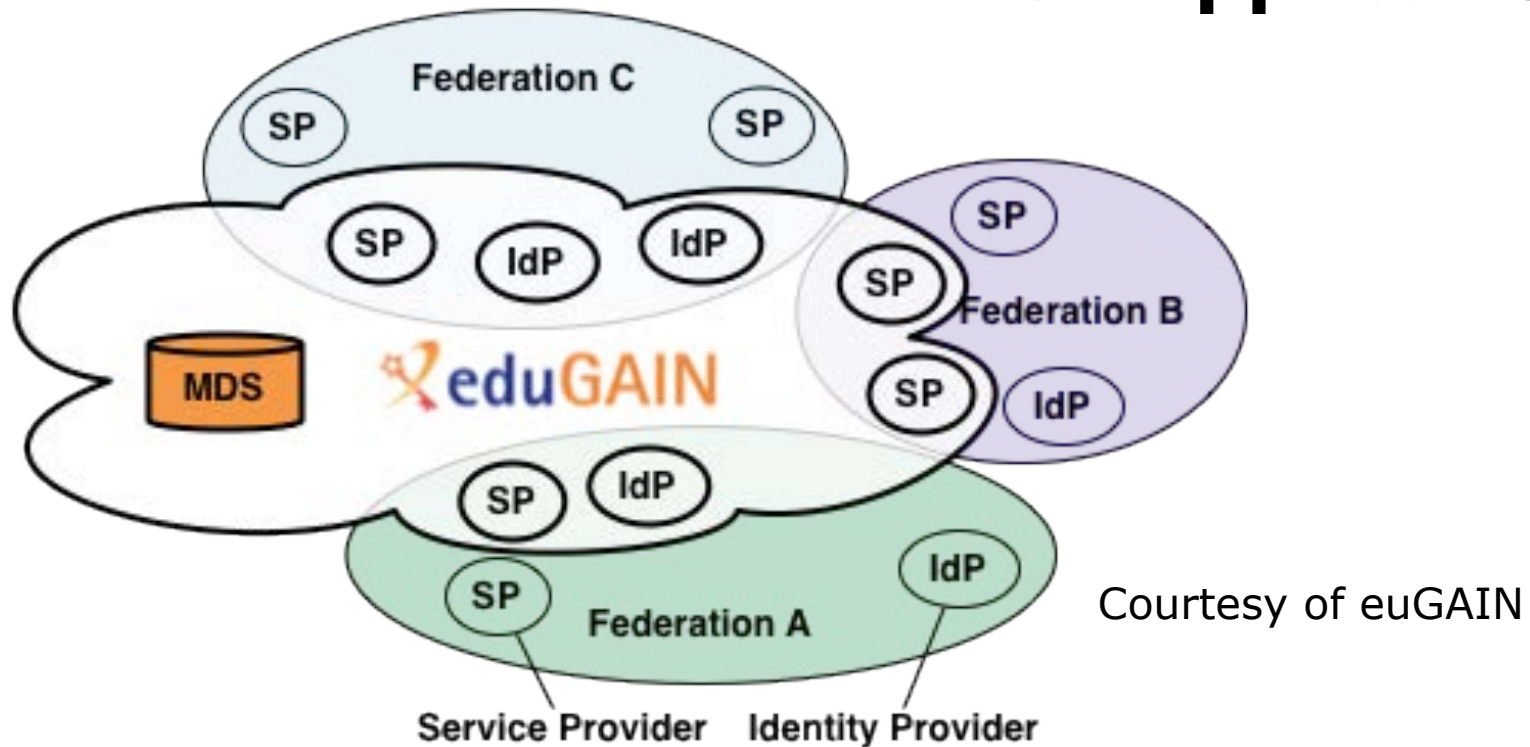


- (inter)federation technical infrastructure based on hierarchy of RADIUS Servers and 802.1X;
- Trust between members established via the eduroam policy;
- Global eduroam Governance Committee to ensure coordination among different continents
 - Led by TERENA



Where is eduroam



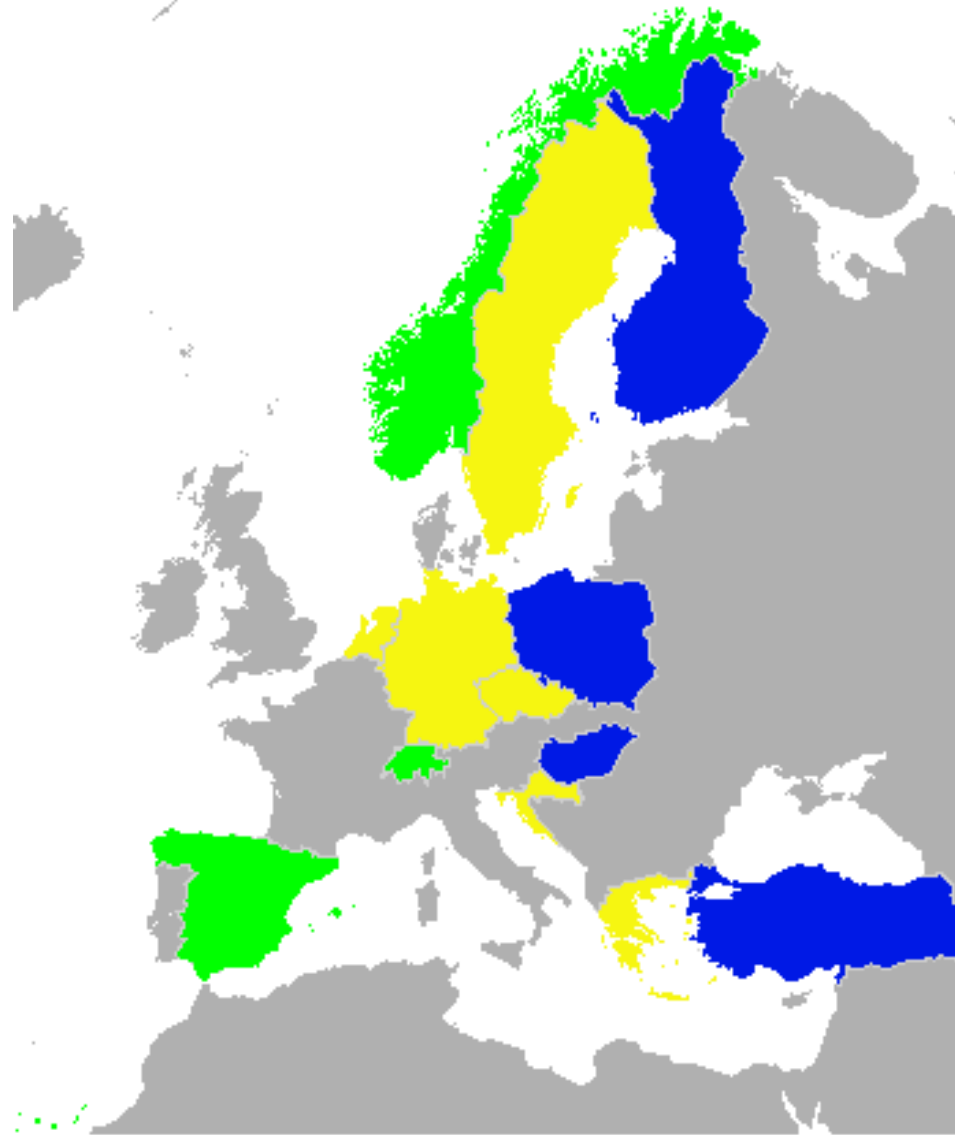


- ✧ **eduGAIN** entities are a subset of national federations (via opt in)
 - Entities have to ask to be included in eduGAIN
- ✧ Profiles and policies to harmonize environment





Who is in eduGAIN



■ Pilot Stage
 ■ Declaration signed
 ■ eduGAIN



WHAT'S REFEDS THEN?



Some Dates

2004

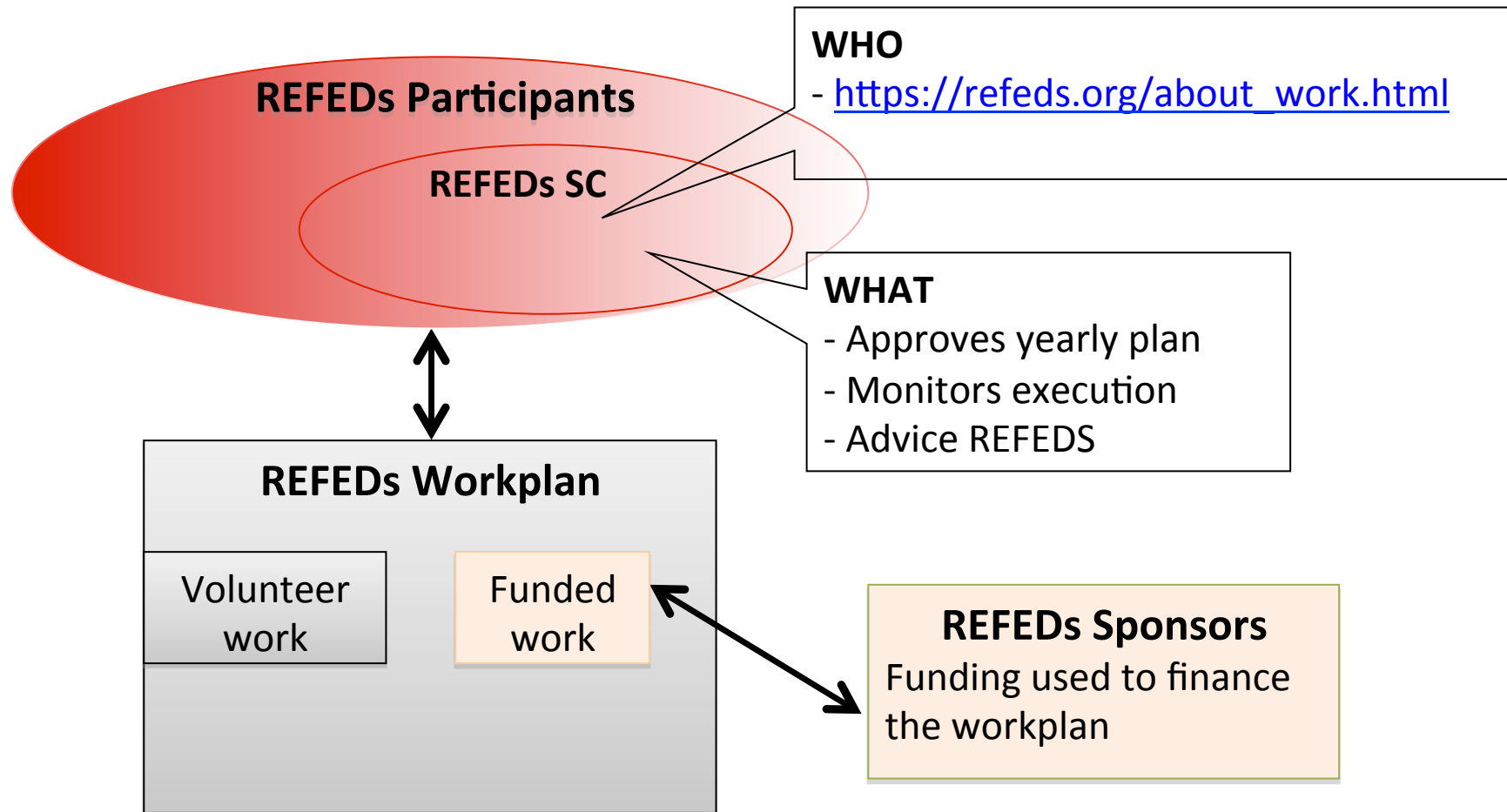


2010



Why, What, Who



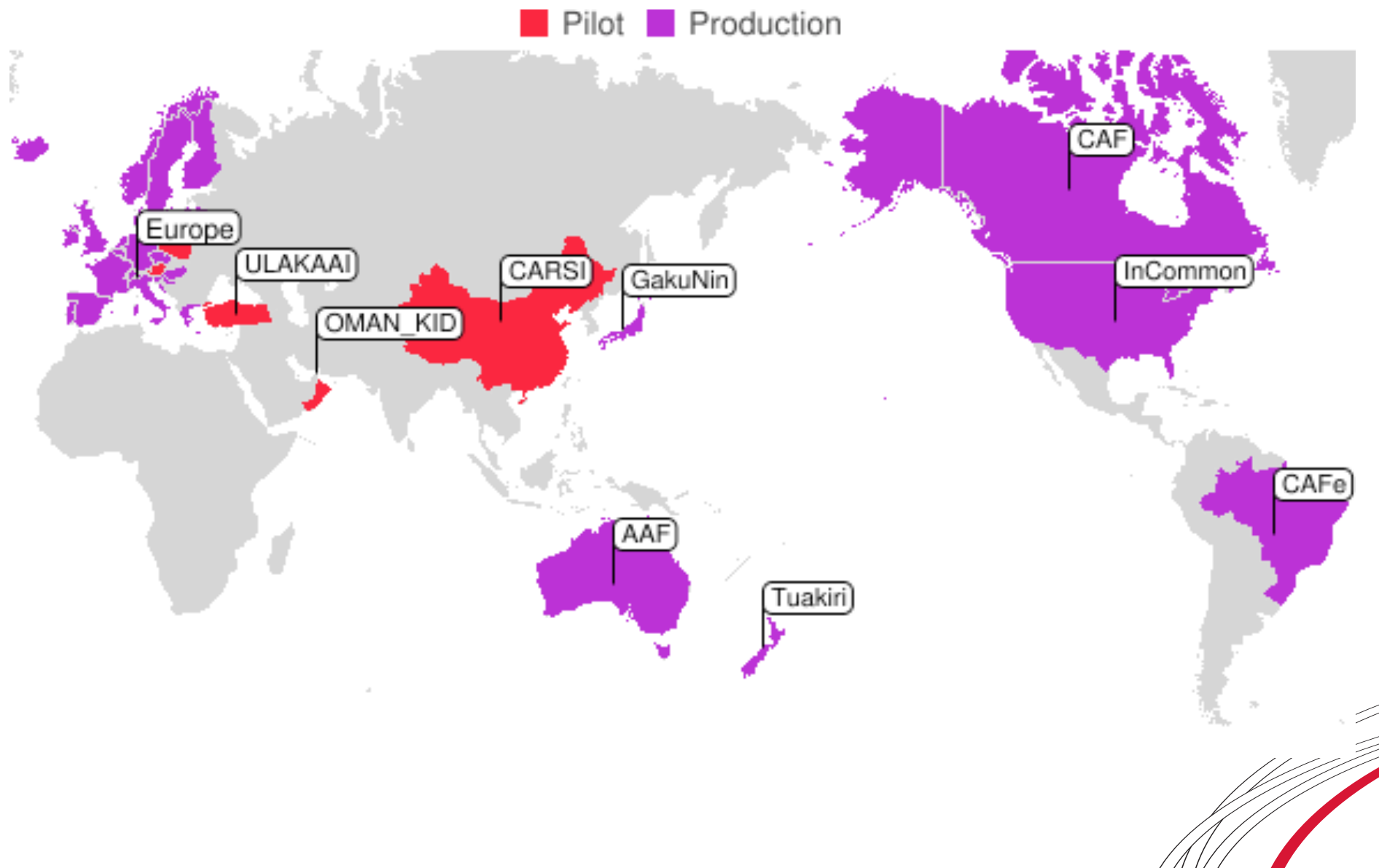


Workplan 2011-2012:
<https://refeds.org/docs/refedsworkplan11-12FINAL.pdf>

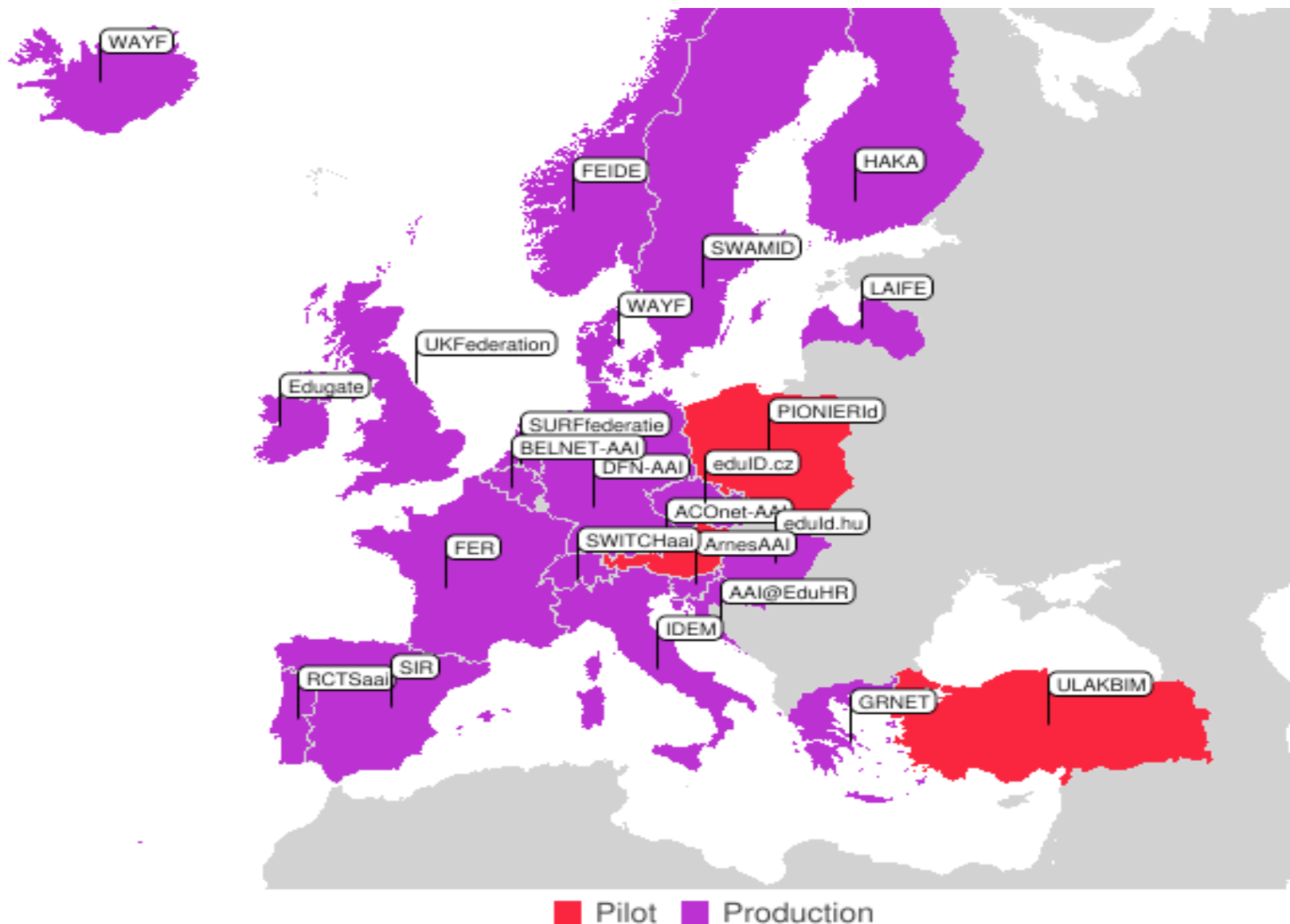




Participating Identity Federations



Participating Identity Federations





REFEDS

SO FEDERATIONS
REALLY WORK!



EHM....YES....BUT.....
LIFE IS STILL DIFFICULT FOR
SERVICE PROVIDERS



- ✧ Harmonisation of attributes
- ✧ Different data protection laws:
 - Not easy within Europe
 - And then US, Australia, Asia
- ✧ Different business models:
 - To charge or not to charge that's the problem
- ✧ Liability insurances for some federations
- ✧ Different legal contracts

Just to give some examples





Now think about all this when inter-federating!



HOW DO REFEDS HELP?



THEY TRY TO STANDARDISE
FEDERATIONS PROCEDURES
AND POLICIES TO INCREASE
USABILITY OF FEDERATIONS



Some Work Items



Barriers for Service Providers

(Nicole Harris, JISC Advance)

[https://refeds.terena.org/index.php/
Barriers for Service Providers](https://refeds.terena.org/index.php/Barriers_for_Service_Providers)

Attribute Release WG

(Steven Carmody, Internet 2)

[https://refeds.terena.org/index.php/
REFEDS Attribute release wg](https://refeds.terena.org/index.php/REFEDS_Attribute_release_wg)

PEER (Public EndPoint Entities Registry)

(Leif Johansson, NORDUNET)

<https://refeds.terena.org/index.php/PEER>





REFEDS

Barriers for Service Providers



Multiple legal documents

Common clauses but presented in different ways

Charging Fees

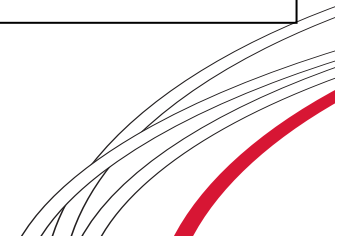
Different federations = different business model

Data Protection

Different legal requirements in different countries.

And there is more!

https://refeds.terena.org/index.php/Barriers_for_Service_Providers



- ✧ Find an approach to the data protection/privacy liability risks and exposures faced by IDPs and SPs in the worldwide Higher R&E environment
- ✧ Find a scalable way to managing attribute release policies
- ✧ Provide recommendations for GUIs and business practices to meet legal and regulatory requirements



The INFORM model

- ✧ The IdP is responsible for releasing users' information
- ✧ Most of the attributes are about user personal information:
 - Services should only require necessary attributes;
 - Users should be **informed** on what attributes are released;
- ✧ eduGAIN approach: ask SP to make a declaration to indicate compliance with privacy laws:

INFORM  CONSENT!



✧ Almost finalised recommendations online on the REFEDS wiki:

- [https://refeds.terena.org/index.php/
Technical_specifications_on_metadata_elements_and
_IdP_attribute_release_GUI](https://refeds.terena.org/index.php/Technical_specifications_on_metadata_elements_and_IdP_attribute_release_GUI)

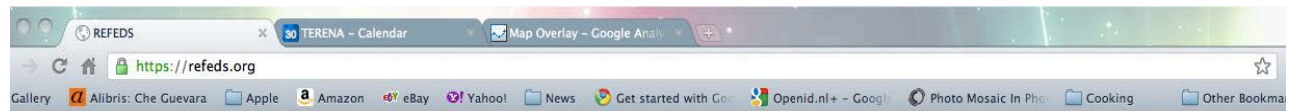


- ✧ REFEDS work is relevant not only to R&E community:
 - But to all working in the identity space;
- ✧ REFEDS monitor EU directives on data protection and all standard technologies:
 - And tries to provide recommendations;
- ✧ REFEDS results can benefit you:
 - Watch the www.refeds.org space
- ✧ Let us know your use-cases and how you solve them!

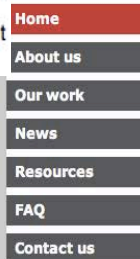
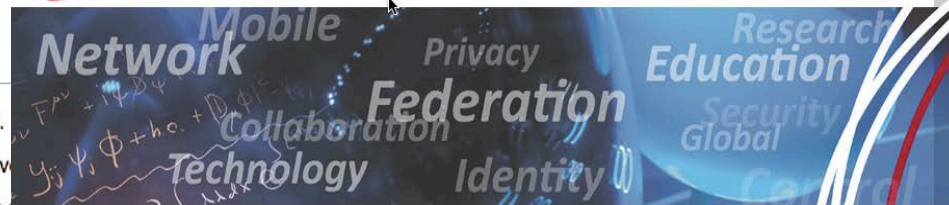




Follow us



The voice of research and education identity federations – 16 million users across thousands of institutions have something to say.



Announcement

[Try out PEER beta-version!](#)

[REFEDS BoF at Internet2 Fall Meeting](#)

[Last REFEDS Meeting Slides on line!](#)

[Why use a federation?](#)

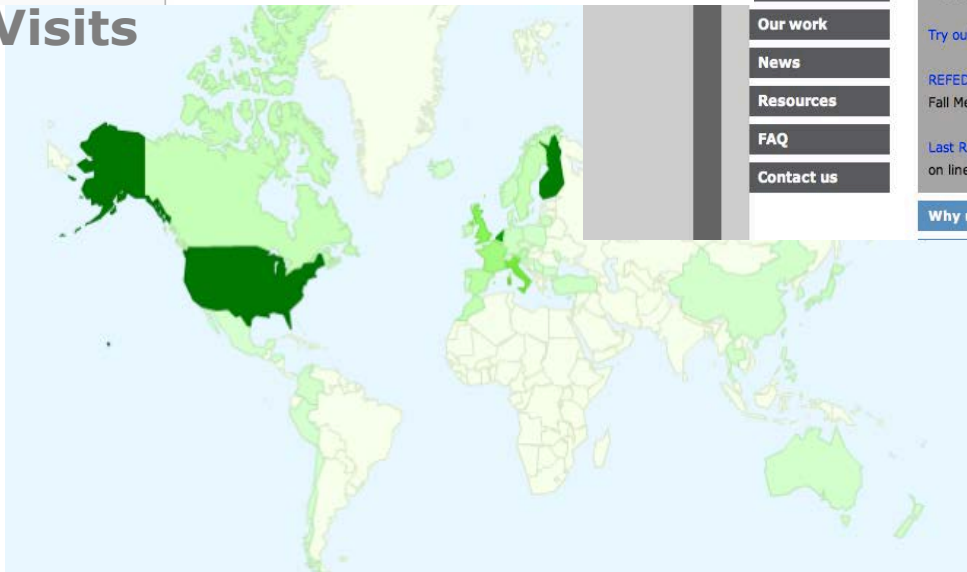


Welcome

REFEDS' mission is to be the voice that articulates the mutual needs of research and education identity federations worldwide. It aims to represent the requirements of research and education in the ever-growing space of access and identity management, working with and influencing the direction of organisations such as Kantara, OIX and Identity Commons on behalf of our participants.

The work of REFEDS will be prioritised by its participants based on the most important requirements of the identity

Visits



Mailing list:

<https://www.terena.org/mail-archives/refeds/>

Website:

<http://www.refeds.org>

Wiki:

<https://refeds.terena.org>



TERENA Networking Conference 2012

Networking to Services

Keynote speakers:

Hilmar Veigar Pétursson, CCP

Geoff Huston, APNIC

Nicole Harris, JISC Advance

Jan-Martin Lowendahl, Gartner Research

Jacob Appelbaum, University of Washington

Leslie Daigle, Internet Society (ISOC)

21 to 24 May 2012

Reykjavik, Iceland

tnc2012.terena.org