

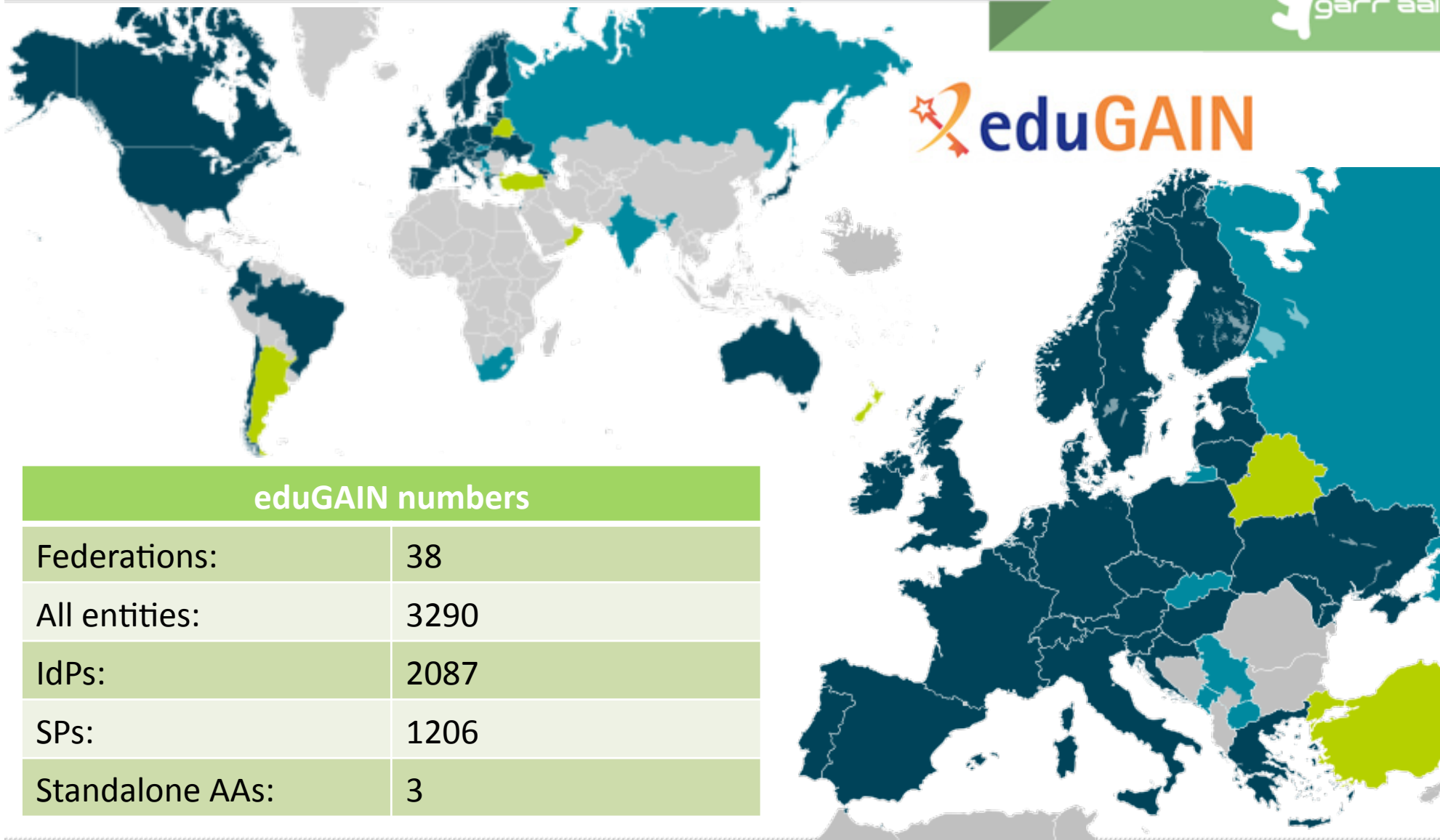


Maria Laura Mantovani (GARR)

**Federazioni IDEM ed eduGAIN:
dove siamo arrivati...
...e dove vogliamo andare**



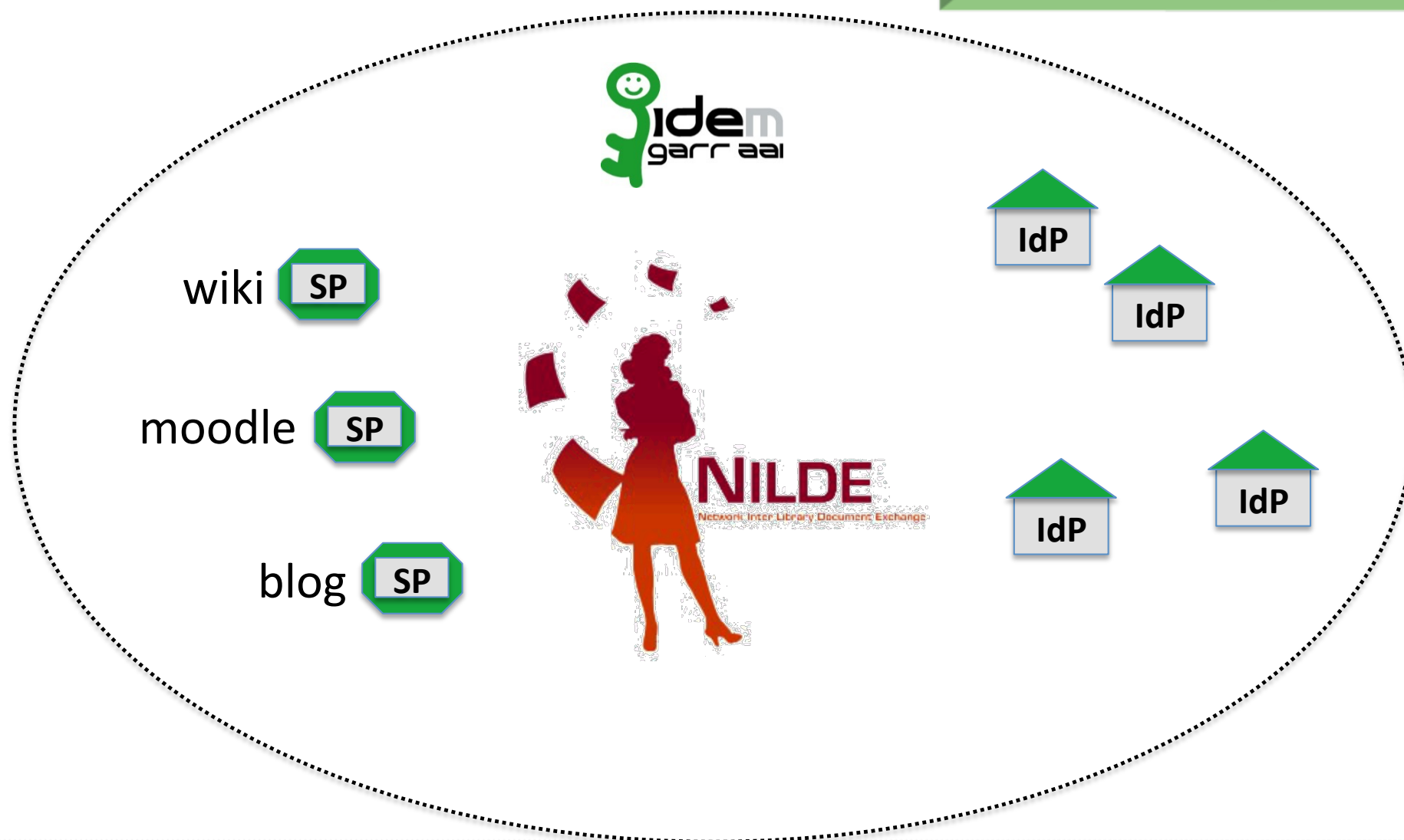
eduGAIN 2016



eduGAIN numbers

Federations:	38
All entities:	3290
IdPs:	2087
SPs:	1206
Standalone AAs:	3

IDEM 9 anni fa: la killer application



Quale servizio di autenticazione?



GO TO EUDAT WEBSITE



[What is B2ACCESS](#) [User Guide](#) [FAQs](#) [Contact](#)

Authenticate

Select your primary identity information provider

Log in with your B2ACCESS ID

[Password](#) [Certificate authentication](#)

Log in with your social ID

[Facebook](#) [Google Account](#) [Microsoft Live](#)



Search:

Log in with your organisational ID

- University of Trier
- University of Trieste
- University of Tulsa
- University of Turin
- University of Turku
- University of Twente
- University of Ulster
- University of Utah
- University of Vaasa
- University of Valenciennes
- University of Vechta

+ IdP in eduGAIN



11/01/2015

YES, THANKS
TO OPT-OUT
POLICY FOR
IDPS

Highlights



Completata eduGAIN opt-out policy per gli IdP

Ultima modifica il Lunedì, 11 Gennaio 2016 14:34

Pubblicato Venerdì, 09 Gennaio 2015 11:04

Visite: 2388



IDEM ha completato la transizione della policy di ingresso in eduGAIN da opt-in a opt-out per i propri IdP. Dallo scorso aprile ogni nuovo IdP che è entrato in IDEM, in forza della policy opt-out è stato aggiunto di default al flusso eduGAIN. Abbiamo ora terminato anche il passaggio ad eduGAIN di tutti gli IdP registrati in passato, raggiungendo il numero di 62 IdP italiani pubblicati nel flusso eduGAIN. Per ottenere questo risultato lo staff tecnico di IDEM esegue alcuni test di conformità sugli IdP prima di pubblicarli in eduGAIN:

[Leggi tutto: Completata eduGAIN opt-out policy per gli IdP](#)

Da OPT-IN a OPT-OUT, così è cambiata la policy applicata agli IdP per entrare in eduGAIN

Ultima modifica il Martedì, 29 Aprile 2014 12:47

Pubblicato Venerdì, 11 Aprile 2014 16:13

Visite: 5659



Il valore negli Attributi



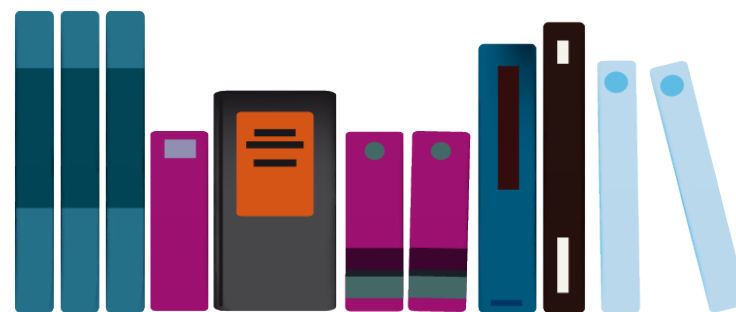
Nome
Cognome
Email
Affiliazione
Organizzazione
Identificativo univoco

ORCID

Il caso d'uso degli editori



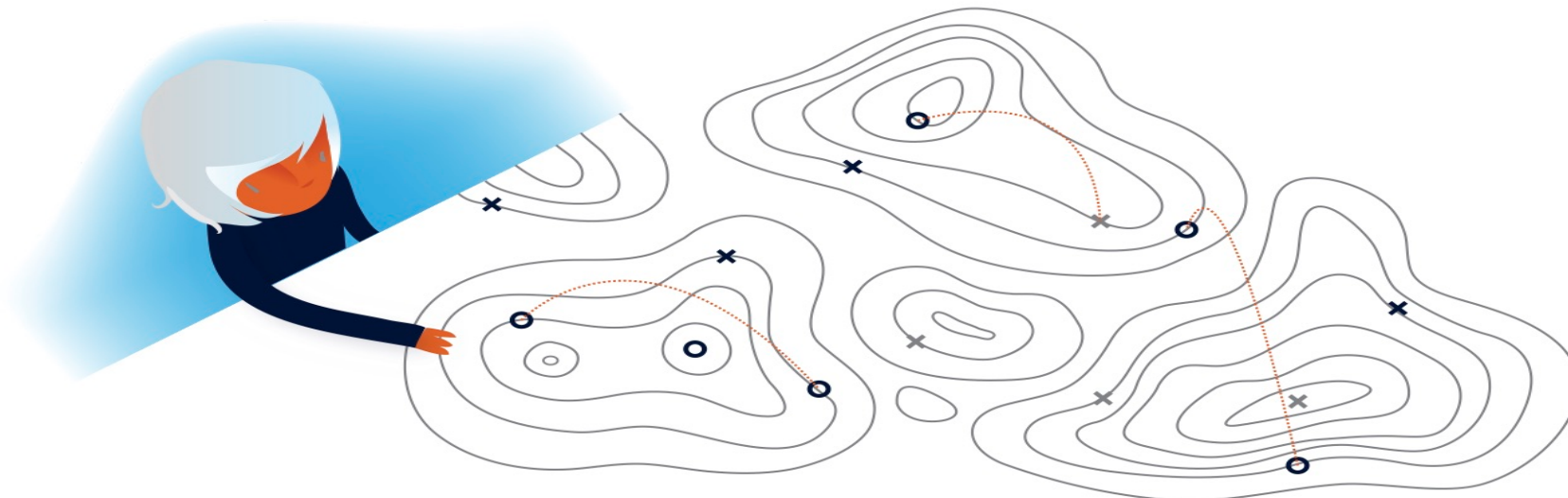
Identity Provider (IdP) asserts authentication and information about users.



Service Providers (SP) check and consume this information for authorization and make it available to an application

A group of organizations running IdPs and SPs that agree on a common set of rules and standards that build trust

No researcher works in isolation



Neelie Kroes ✓
@NeelieKroesEU



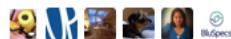
Following

At @CERN, "a single paper can easily have 3,000 authors" - @RHDijkgraaf
ec.europa.eu/commission_201 ...
#opendigitalscience #EUDigitalMinds
#research



RETWEETS
17

FAVORITES
5



4:51 PM - 30 Oct 2014



Ewan Birney
@ewanbirney

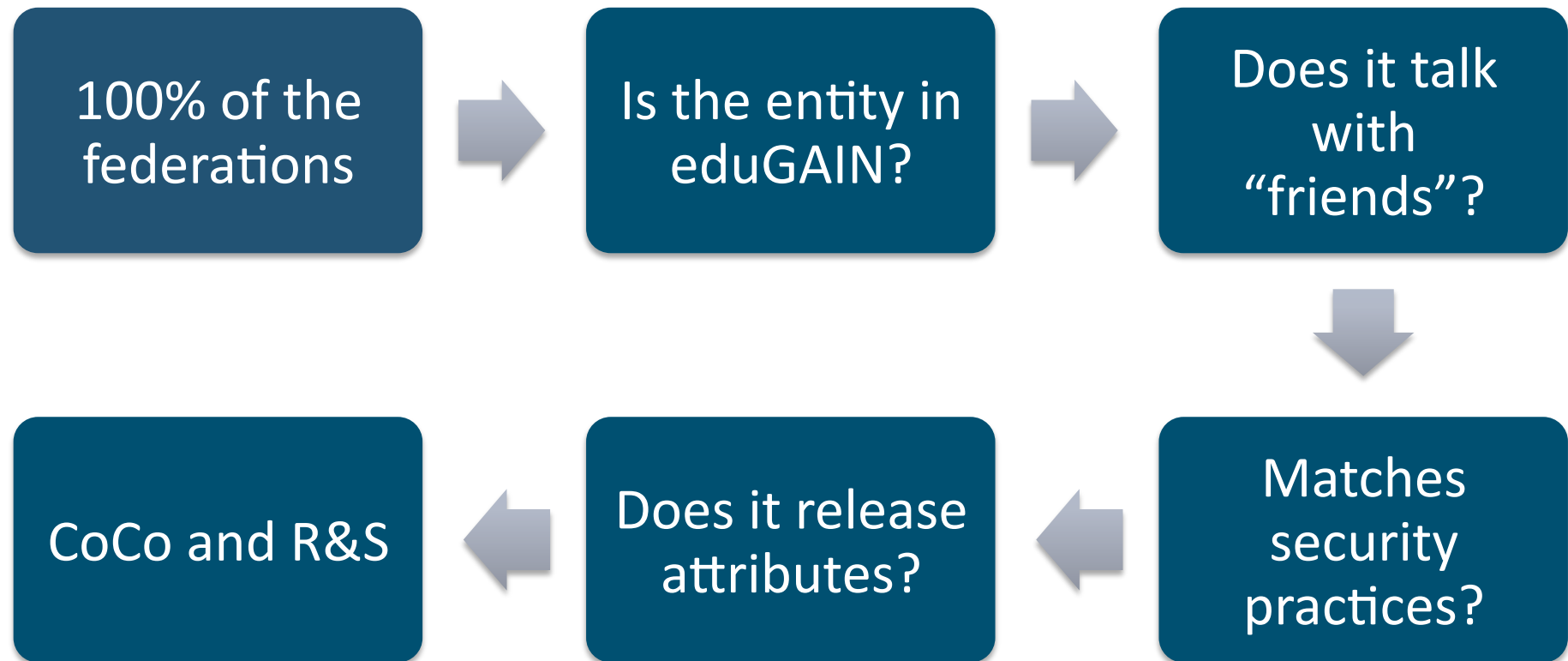
I'm always really impressed at the intelligence, drive and diversity of students we get @emlebi across Europe and the world.

9:19am · 17 Feb 2016 · Twitter for iPad

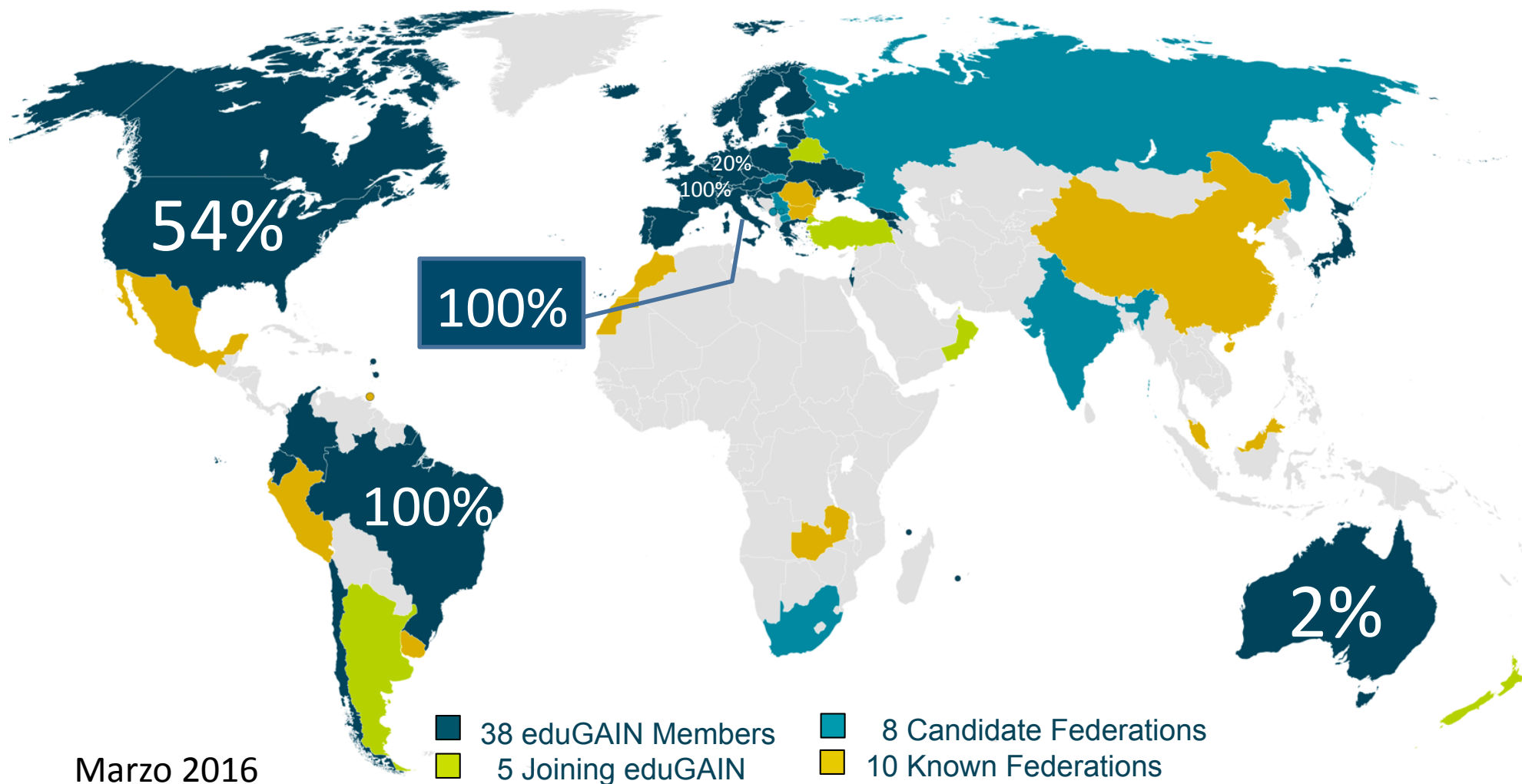
1 RETWEET 7 LIKES



6 traguardi per il successo di eduGAIN



Tutte le nazioni in eduGAIN



Marzo 2016



Laser Interferometer
Gravitational-Wave Observatory
Supported by the National Science Foundation
Operated by Caltech and MIT

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Image credit: The SXS (Simulating eXtreme Spacetimes) Project

Gravitational Waves Detected 100 Years After Einstein's Prediction

News Release • February 11, 2016

Visit **The Detection Portal**

See also: **LIGO Hanford Press Release**

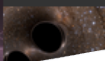
LIGO Opens New Window on the Universe with Observation of Gravitational Waves from Colliding Black Holes

WASHINGTON, DC/Cascina, Italy

For the first time, scientists have observed ripples in the fabric of spacetime called gravitational waves, arriving at the earth from a cataclysmic event in the distant universe. This confirms a major prediction of Albert Einstein's 1915 general theory of relativity and opens an unprecedented new window onto the cosmos.

Gravitational waves carry information about their dramatic origins and about the nature of gravity that cannot otherwise be obtained. Physicists have concluded that the detected gravitational waves were produced during the

RELATED MEDIA



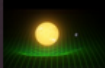
Gravitational

InCommon
11 febbraio

Congrats to our friends at the **#LIGO** Scientific Collaboration on this discovery. InCommon is proud to have provided a small part of the infrastructure for collaboration, and excited to help further the reach of all scientific collaborations using federated identity technology and eduGAIN.



Two Black Holes Merge into One
Simulation Image



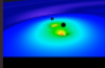
Massive Bodies Warp Space-Time
Artwork Image



LIGO Detects Gravitational Waves - announcement at press conference (part 2)
Education Video



Journey of a Gravitational Wave
Education Video



Warped Space and Time Around Colliding Black Holes
Simulation Video



The Sound of Two Black Holes Colliding
Science Video

LIGO needs to collaborate with you

Italian Login Providers (IdPs)



These Italian login providers (identity providers or IdPs) are of particular interest to the gravitational-wave community since there are groups of astronomers from those institutions that need to collaborate with LIGO.

This is not a static list and is expected to evolve. If you have suggestions or changes for the list please send email to [the LIGO IdP project](#).

Federated IdPs

- Dipartimento di Fisica, Università di Siena (entityID <https://shibboleth.unisi.it/idp/shibboleth>)
- INAF - National Institute for Astrophysics (entityID <https://idem.ced.inaf.it/idp/shibboleth>)
- University of Milano Bicocca (entityID <https://idp.unimib.it/idp/shibboleth>)
- Università di Padova (entityID <https://shibidp.cca.unipd.it/idp/shibboleth>)
- University of Perugia (entityID <https://idp.unipg.it/idp/shibboleth>)
- Università di Pisa (entityID <https://idp.unipi.it/idp/shibboleth>)
- INFN (all institutes) (entityID <https://idp.infn.it/saml2/idp/metadata.php>)

Not federated at this time

- ASDC - ASI Science Data Center
- Brera Observatory Milan
- Istituto Universitario di Studi Superiori of Pavia
- Università dell'Insubria
- Università di Udine

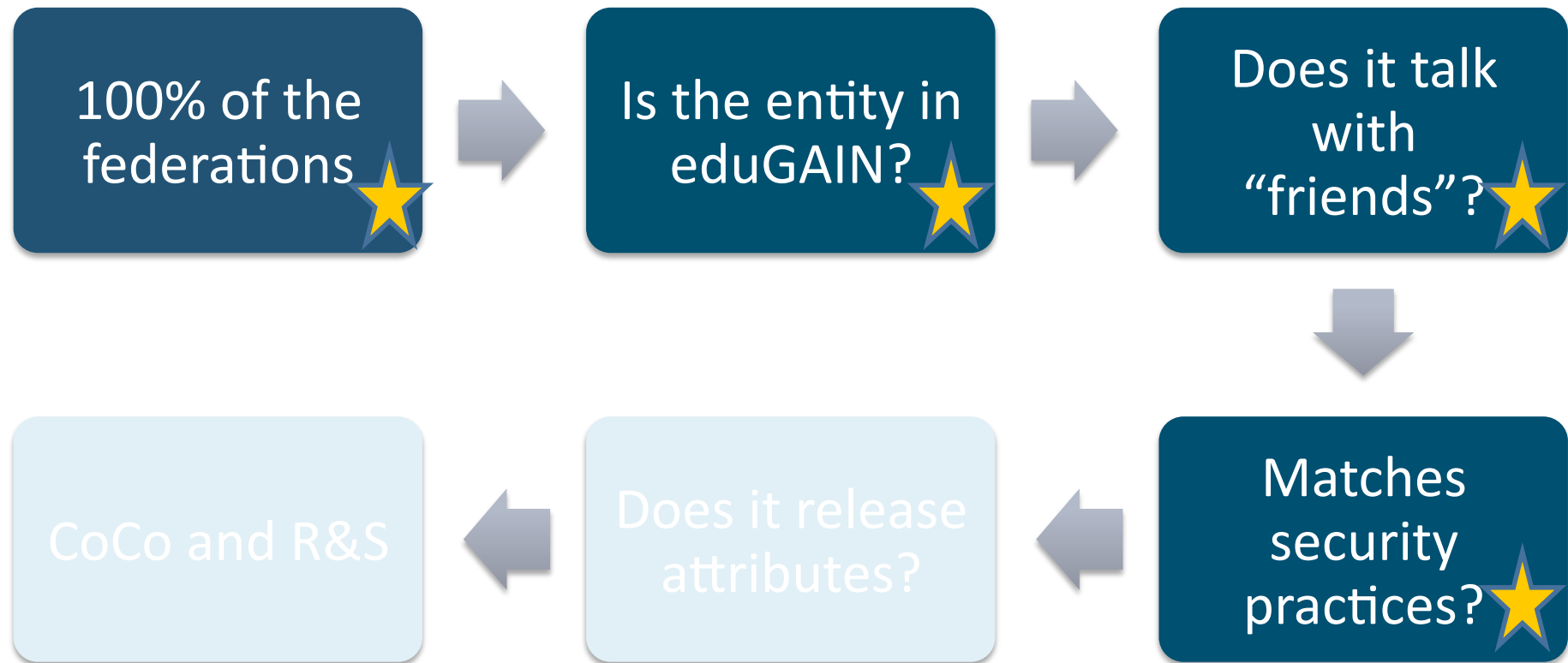


<https://wiki.ligo.org/AuthProject/EMFollowUpOrganizationsForIdMItaly>

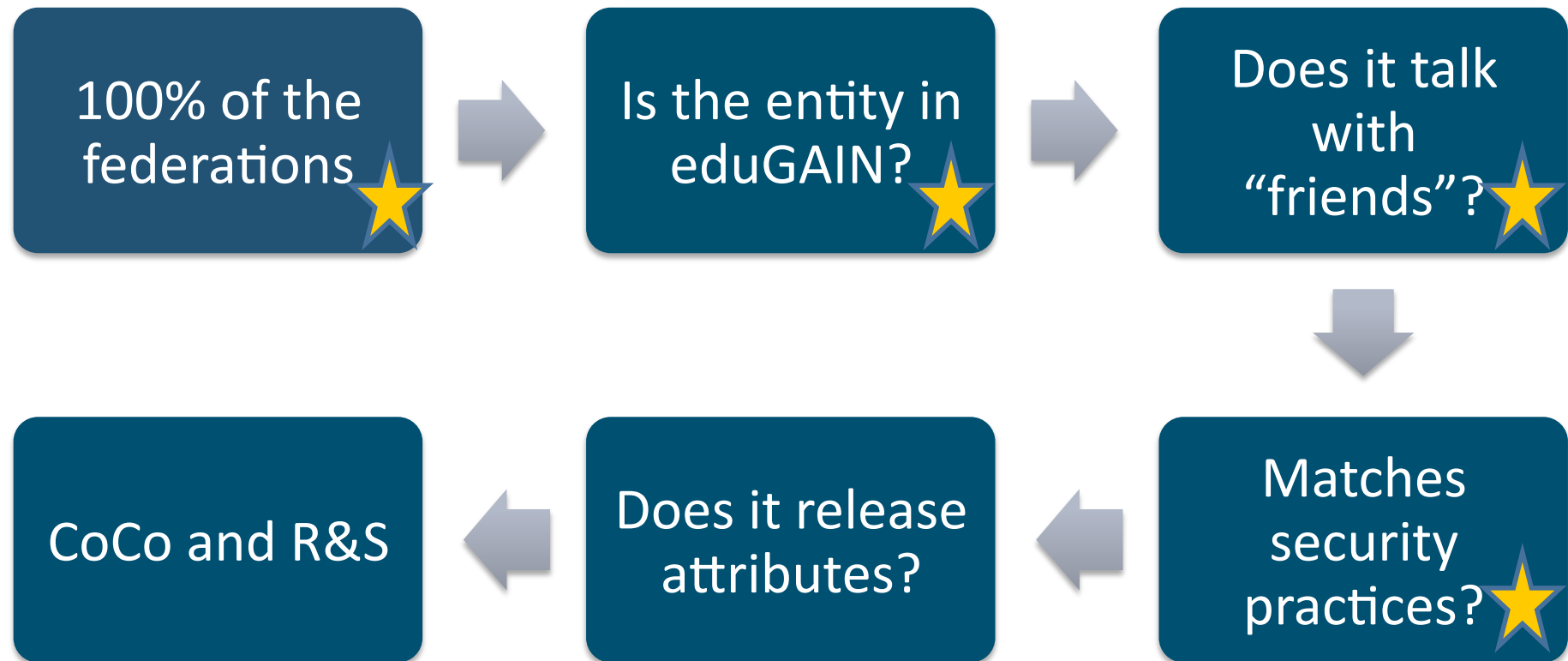
<https://wiki.ligo.org/AuthProject/EMFollowUpOrganizationsForIdM>



Campaigns for “eduGAIN works”



Campaigns for “eduGAIN works”



e-Research Trust and Identity Infrastructures



Campus

- Hundreds of thousands of users



eduGAIN

- Thousands of services



Individual Experiments

- Tens to hundreds of individuals *

Discovery

Science

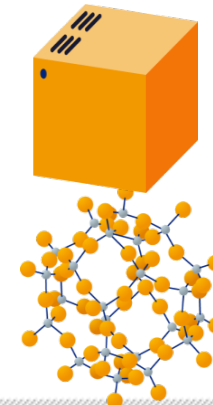
Federation

- Tens of thousands of services



General and Specific e-Research Infrastructures

- Hundreds of services



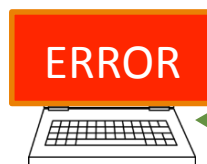
Release Attribute Bundle



It's for RESEARCH!!!

identificativo condiviso, persistente, non riassegnabile	eduPersonPrincipalName
	eduPersonTargetedID
nome	displayName
	givenName
	sn
indirizzo email	mail
affiliazione	eduPersonScopedAffiliation

Mancato rilascio degli attributi



Release
Attributes?

IdP



☒ authenticated

Is it possible to prevent this error?

It's for RESEARCH!!!

Categorie R&S e DP_CoCo



Le Categorie raggruppano le entità della federazione sulla base di criteri comuni posseduti.

La categoria Research and Scholarship è basata sul criterio del legittimo interesse

- Salvaguarda il Principio di necessità (data minimisation)
- Limita i tipi di servizi permessi nella categoria garantendo un rischio basso ed identificando in modo chiaro la necessità di dati personali

La categoria GÉANT Code of Conduct ha lo scopo di minimizzare il rischio.

- Il criterio del legittimo interesse è fondamentale
- Comunica che l'IdP e il SP sono consapevoli dei requisiti legali
- Basata sulla Direttiva 95/46/EC 1995

GRAZIE PER L'ATTENZIONE