

Middleware And Grid Interagency Coordination (MAGIC) at SC13

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CILogon – https://cilogon.org/

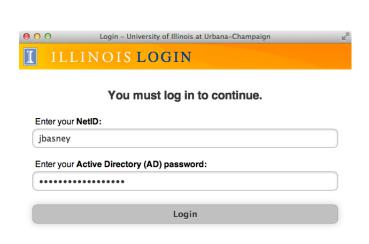
- Provides personal digital certificates for access to cyberinfrastructure
- Uses federated authentication for user identification

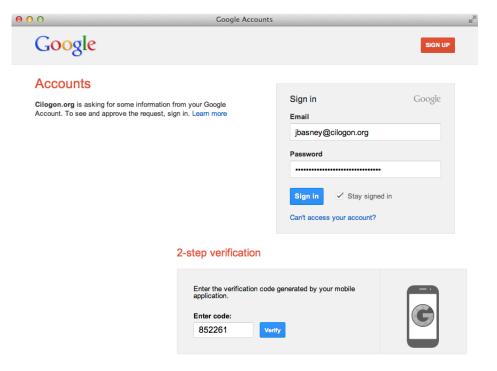




Federated Authentication

 Log on to ClLogon using your campus (InCommon) or Google (OpenID) account

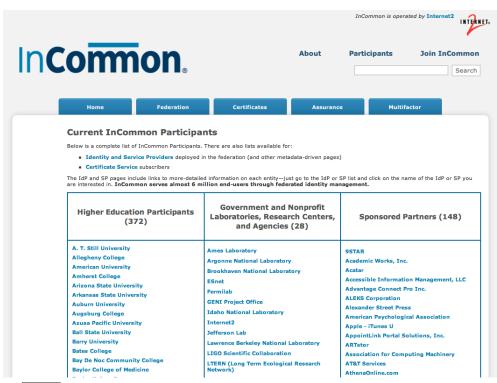






Bridging InCommon and IGTF

 Translating mechanism and policy across higher education and grid trust federations







Multiple Levels of Assurance

- CILogon Silver CA is accredited by IGTF
 - Using InCommon Silver
 (Level 2) identities
- IGTF IOTA profile for CILogon Basic under development
- Google Authenticator support for second authentication factor









http://wiki.eugridpma.org/Main/IOTASecuredInfraAP

Identifier-Only Trust Assurance with Secured Infrastructure Authentication Profile

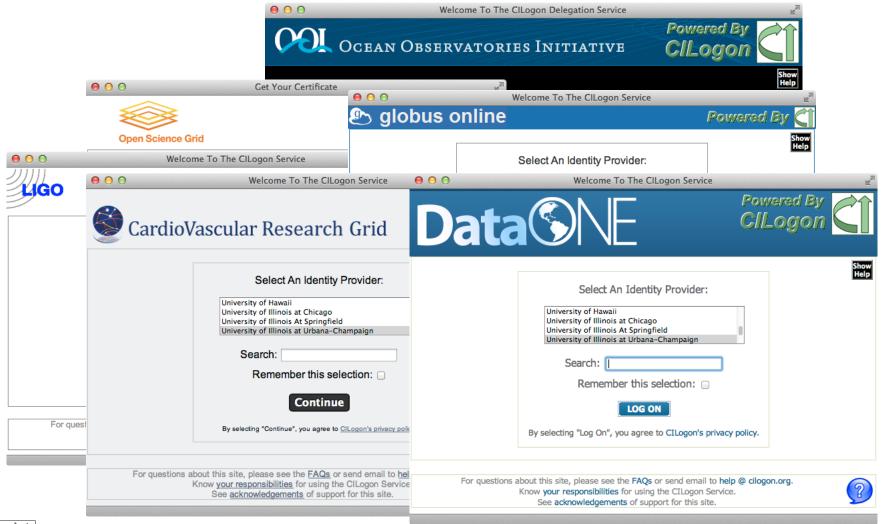
- ↓ Identifier-Only Trust Assurance with Secured Infrastructure Authentication Profile
- ↓ Abstract
- ↓ General Architecture
- ↓ Identification
 - ↓ Persistency of name binding
 - ↓ Naming
 - ↓ Renewal and re-keying
 - ↓ Retention of records
 - ↓ Traceability Requirements
- ↓ Operational Requirements
 - ↓ Policy and practice statement
 - ↓ Certificate and CRL profile
 - ↓ Revocation
- ↓ Security Requirements
 - Third parties involved in identity management
- Publication and Repository responsibilities
- ↓ Audits
- Privacy and confidentiality
- ↓ Compromise and disaster recovery
 - ↓ Due diligence for subscribers

Abstract

This is an Authentication Profile of the IGTF describing the minimum requirements on X.509 PKI authorities where the identity vetting is adequate to ensure unique, non-re-assigned identities, and generated by authorities using secured and trusted infrastructure. Such authorities are not required to collect more data than are necessary for fulfilling the uniqueness requirements, and credentials issued by authorities under this profile may not provide sufficient information to independently trace individual subscribers, and should be used in conjunction with complementary identification and vetting processes.

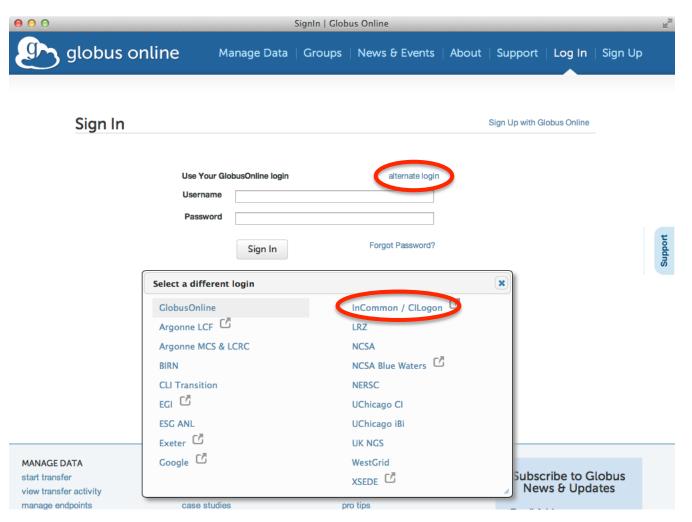
This Authentication Profile is managed by the EUGridPMA.

Integrated with CyberInfrastructure



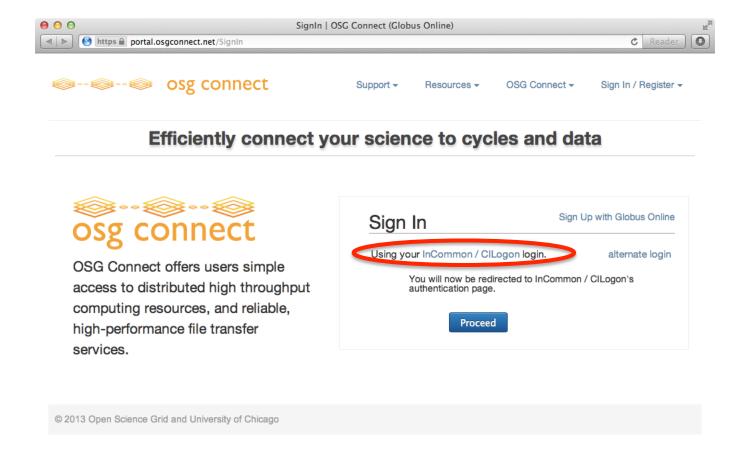


Integrated with Globus Nexus



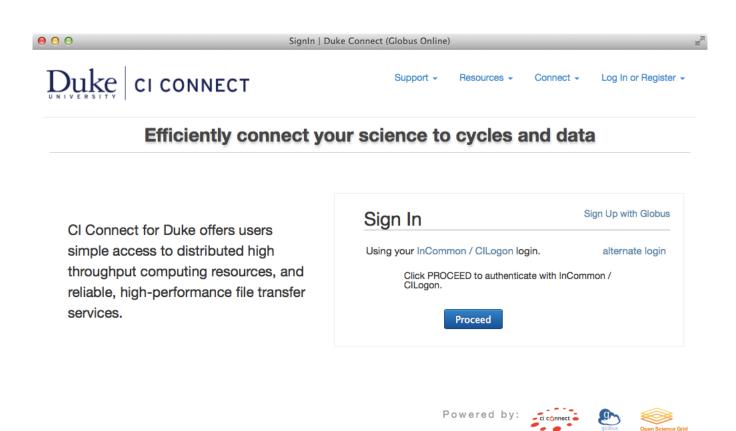


Used by OSG Connect



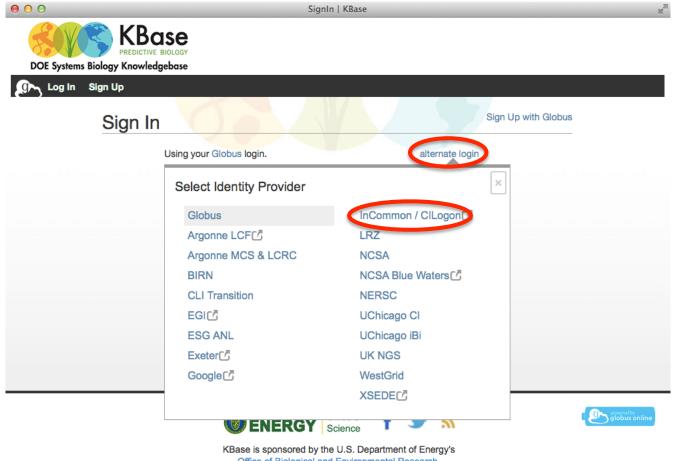


Used by CI Connect for Duke





Integrated with DOE KBase



Office of Biological and Environmental Research.

Privacy and Security Notice



ligo-proxy-init using CILogon ECP

\$ ligo-proxy-init scott.koranda

Your identity: scott.koranda@LIGO.ORG

Enter pass phrase for this identity:

Creating proxy Done

Your proxy is valid until: Mar 5 13:45:16 2013 GMT

\$ grid-proxy-info -all

subject: /DC=org/DC=cilogon/C=US/O=LIGO/CN=Scott Koranda scott.koranda@ligo.org

issuer : /DC=org/DC=cilogon/C=US/O=CILogon/CN=CILogon Basic CA 1

identity: /DC=org/DC=cilogon/C=US/O=LIGO/CN=Scott Koranda scott.koranda@ligo.org

type : end entity credential

strength: 2048 bits

path : /tmp/x509up_u1000

timeleft: 71:59:52 (3.0 days)

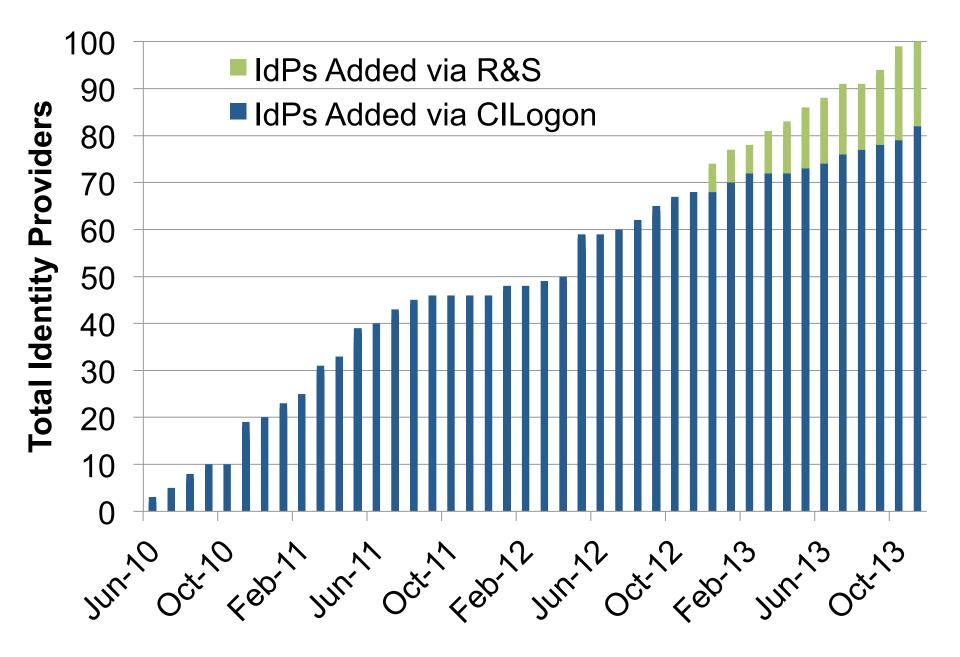


CILogon and XSEDE

Extreme Science and Engineering Discovery Environment

- CILogon is
 - a component in the XSEDE architecture
 - entering the XSEDE engineering process:
 architecture, design, and security reviews and operational acceptance tests
- XSEDE can provide sustained operational support to CILogon users (DataONE, OOI, OSG, LIGO, etc.)







Adding an IdP to CILogon

 Use self-service web application or contact us for assistance

https://cilogon.org/requestidp/



https://cilogon.org/testidp/

Verify SAML Attribute Release Policy	
Thank you for your interest in the ClLogon Service. This page allows the administrator of an Ide Provider (IdP) to verify that all necessary SAML attributes have been released to the ClLogon Service (SP). Below you will see the various attributes required by the ClLogon Service and alues as released by your IdP. If all required attributes are present, you can add your IdP to the ligranizations available to the ClLogon Service (assuming it has not already been added).	vice hei
Summary	
All required attributes have been released by your IdP. For details of the various attributes utilized by the CILogon Service and their current values, see the sections below.	
Add Your IdP to the CILogon Service	
▶ SAML Attributes	
▶ Metadata Attributes	





Federation Info: About Organizations Entities

Federation entities provide services to InCommon participants at their discretionand collaboration opportunities among InCommon participants. Our value as a

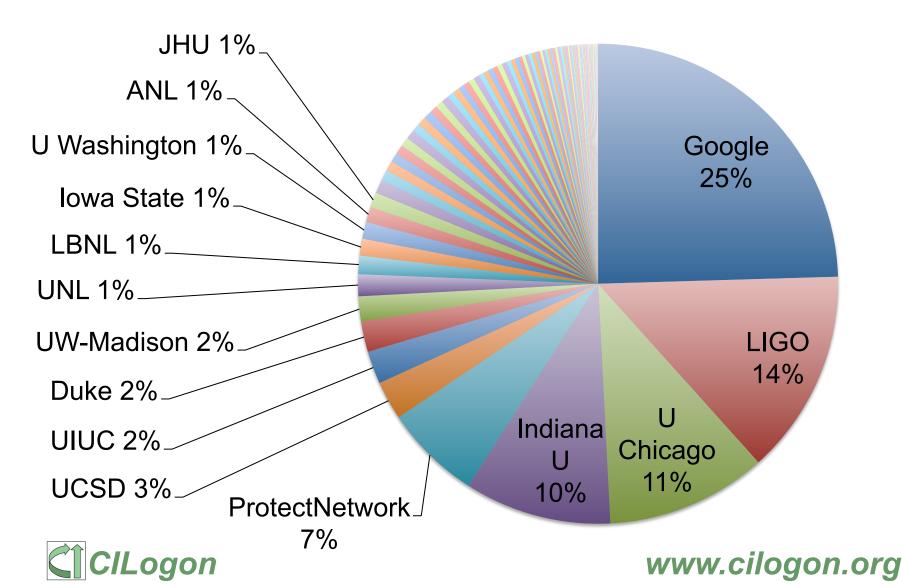
InCommon Service Categories

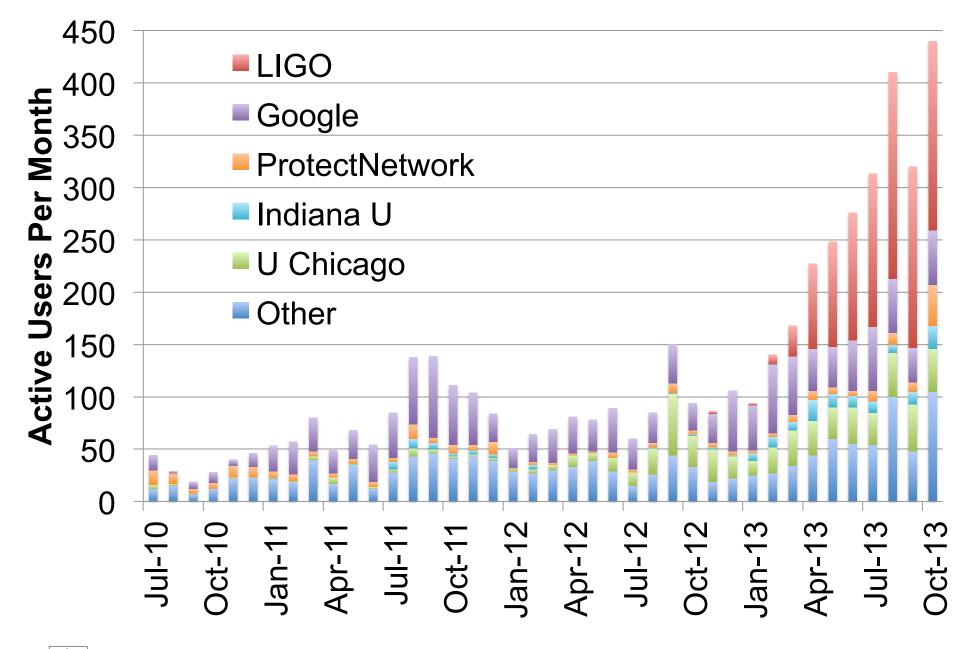
InCommon Research and Scholarship program helps services connect with identity providers.

IdPs SPs SPs				
	The foll	The following service providers belong to the indicated service category:		
	Service	Provider	Name	Service Category
	Carmen	<u>Wiki</u>		research-and-scholarship
>	CILogor	<u>1</u>		research-and-scholarship
	Collabor	ration Wiki	Spaces at Internet2	research-and-scholarship
	FileSend	<u>der</u>		research-and-scholarship
	GENI Ex	kperimente	r Portal	research-and-scholarship
	GPN/UM	1 Dropoff S	ervices	research-and-scholarship
	Indiana	CTSI HUB		research-and-scholarship
	LIGO CE	BC Wiki		research-and-scholarship
	LIGO W	<u>iki</u>		research-and-scholarship
	Multi-Fa	ctor Authe	ntication (MFA) Cohortium Registry	research-and-scholarship
	Multi-Fa	ctor Authe	ntication (MFA) Cohortium Wiki	research-and-scholarship
	Narada	Metrics		research-and-scholarship
	Open So	cience Data	a Cloud Console	research-and-scholarship

Service	# of	# of
Category	SPs	IdPs
research-and- scholarship	15	60

Registered Users Per IdP

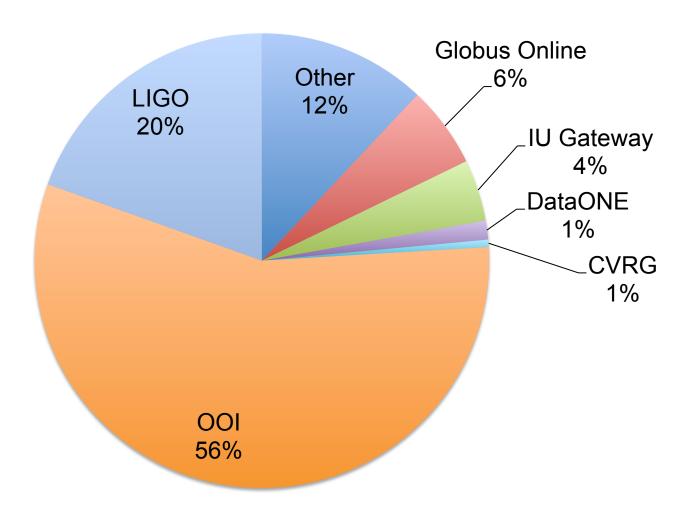




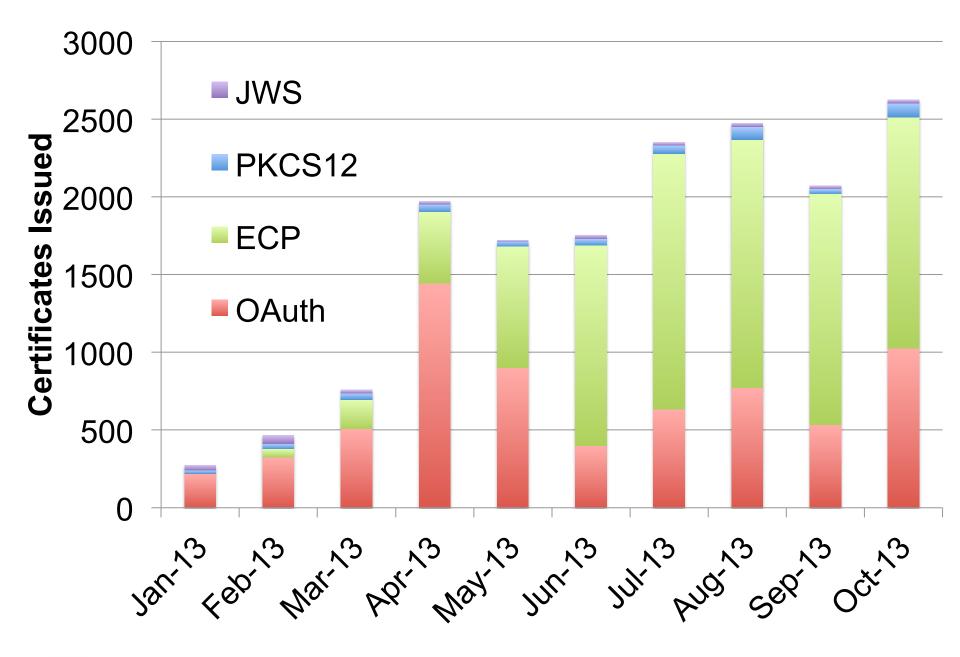


www.cilogon.org

% of Total Certificates Issued









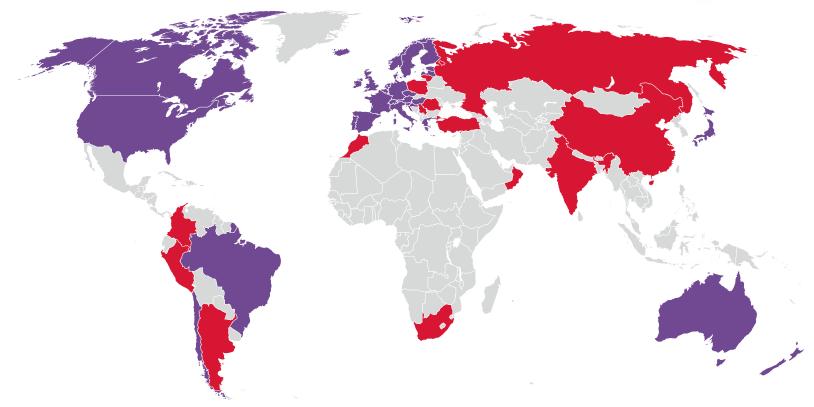
www.cilogon.org

What's Next

- SAML interfederation
 - InCommon joining eduGAIN this year
 - International attribute release
- Growth of federated online CAs
 - http://redmine.ogf.org/projects/idel-wg
- Level of Assurance (continued)
 - IGTF IOTA profile
 - Int'l adoption of Kantara standards
 - Security incident handling
 - Multi-factor authentication







Identity Federations in production

AT	ACOnet Identity Federation	ES	SIR
AU	Australian Access Federation AAF	FI	Haka
BE	Belnet R&E Federation	FR	Fédération Éducation-Recherche
BR	CAFe	GR	GRNET
CA	Canadian Access Federation CAF	HR	AAI@EduHr
CH	SWITCHaai	HU	edulD.hu
CL	COFRe	ΙE	Edugate
CZ	edulD.cz	IT	IDEM
DE	DFN-AAI	JP	GakuNin
DK	WAYF	LV	LAIFE
EE	TAAT		

NL	SURFconext	
NO	FEIDE	
NZ	Tuakiri New Zealand Access Federation	
PT	RCTSaai	
SE	SWAMID	
SI	ArnesAAI Slovenska	
UK	UK Access Management Federation	
	for Education and Decearch	

InCommon

٩ĸ	MAIL	PL	PIONIERIO
CN	CARSI	RO	RoEduNet Federation
COL	COLFIRE	RS	iAMRES
N	INFED	RU	ΦEDUrus AAI
_T	LEFT	TR	YETKİM

PE INCA ZA SAIF
MA eduIDM ZA SAIF
OM Oman Knowledge ID Federation

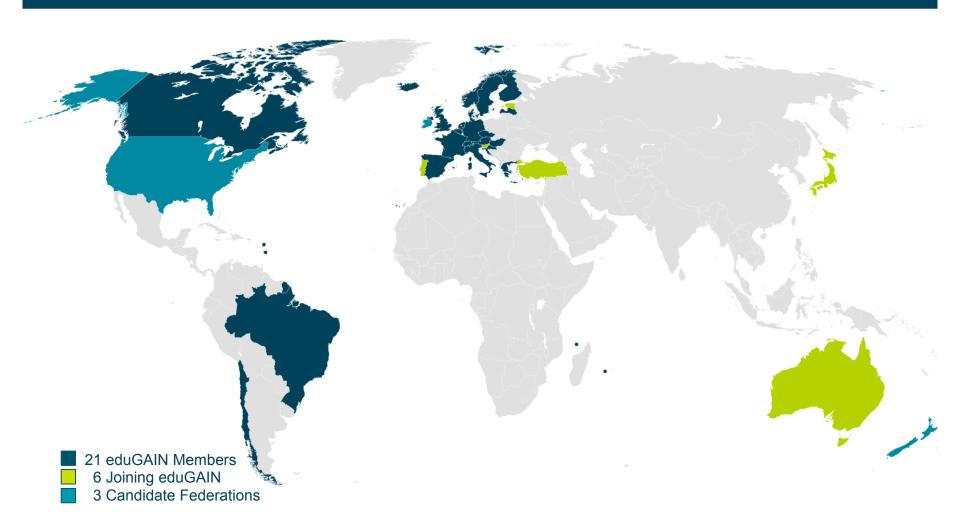
Identity Federations in pilot

This map is intended to provide a high-level overview of countries with identity federations.

Last update: 14 October 2013



eduGAIN Interfederation Participants



edugain.org

Thanks!

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www.cilogon.org/faq

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