




A Federated X.509 Certification Authority for
CyberInfrastructure Logon

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CILogon – <https://cilogon.org/>

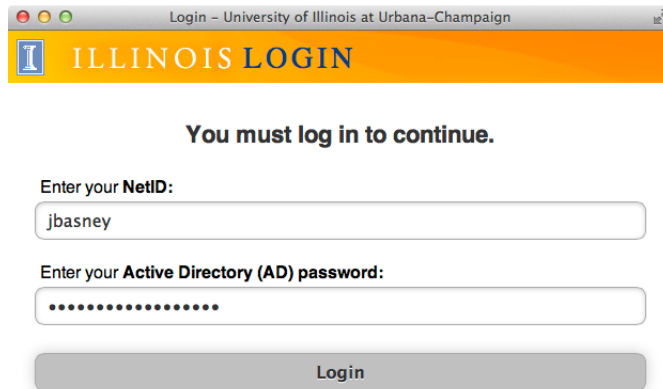
- Provides personal digital certificates for access to cyberinfrastructure
- Uses federated authentication for user identification



The screenshot shows a web browser window titled "Welcome To The CILogon Service". The page has a green header with the CILogon logo (a green square with a white 'C' and an upward arrow) and the text "CILogon Service". Below the header, there is a "Show Help" button in the top right corner. The main content area is titled "Select An Identity Provider:" and contains a list box with the following options: "University of Hawaii", "University of Illinois at Chicago", "University of Illinois At Springfield", and "University of Illinois at Urbana-Champaign". Below the list box is a "Search:" label followed by a text input field. Underneath the search field is a "Remember this selection:" label with an unchecked checkbox. A green "Log On" button is positioned below the checkbox. At the bottom of the main content area, a small text line reads: "By selecting 'Log On', you agree to [CILogon's privacy policy](#)." The footer of the page contains a text block: "For questions about this site, please see the [FAQs](#) or send email to help@cilogon.org. Know your responsibilities for using the CILogon Service. See acknowledgements of support for this site." and a blue circular help icon with a white question mark on the right.

Federated Authentication

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



Login – University of Illinois at Urbana-Champaign

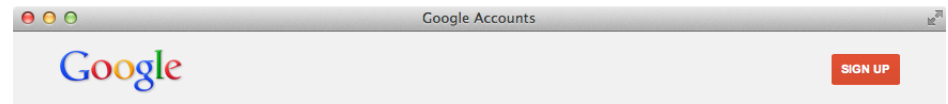
ILLINOIS LOGIN

You must log in to continue.

Enter your **NetID**:

Enter your **Active Directory (AD) password**:

Login



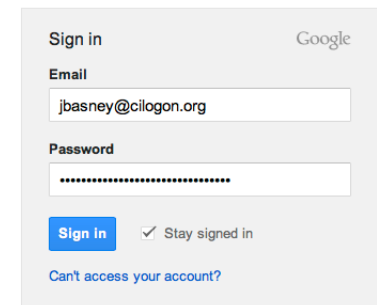
Google Accounts

Google

SIGN UP

Accounts

Cilogon.org is asking for some information from your Google Account. To see and approve the request, sign in. [Learn more](#)



Sign in Google

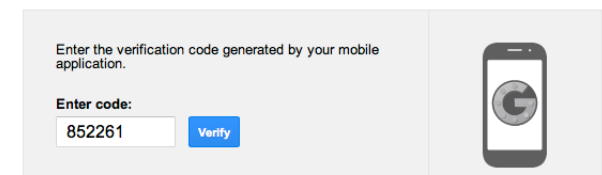
Email

Password

Sign in ☒ Stay signed in

[Can't access your account?](#)


2-step verification



Enter the verification code generated by your mobile application.

Enter code:

Verify



Bridging InCommon and IGTF

- Translating mechanism and policy across higher education and grid trust federations

InCommon is operated by Internet2

InCommon

About Participants Join InCommon

Home Federation Certificates Assurance Multifactor

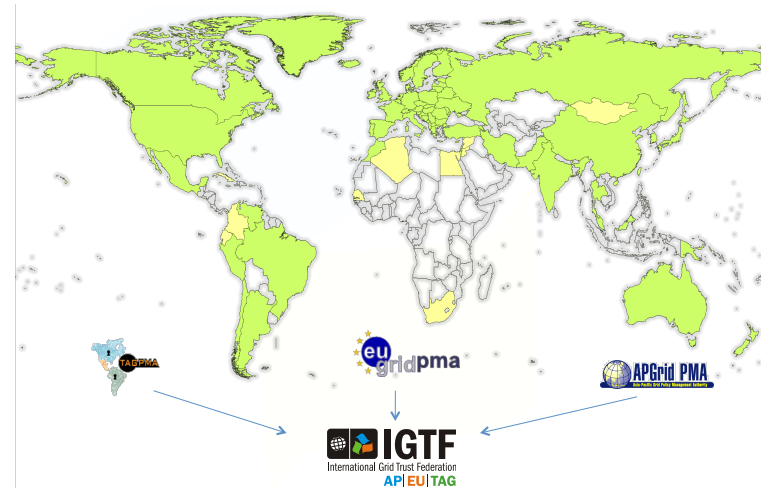
Current InCommon Participants

Below is a complete list of InCommon Participants. There are also lists available for:

- **Identity and Service Providers** deployed in the federation (and other metadata-driven pages)
- **Certificate Service** subscribers

The IdP and SP pages include links to more-detailed information on each entity—just go to the IdP or SP list and click on the name of the IdP or SP you are interested in. **InCommon serves almost 6 million end-users through federated identity management.**

Higher Education Participants (372)	Government and Nonprofit Laboratories, Research Centers, and Agencies (28)	Sponsored Partners (148)
A. T. Still University Allegheny College American University Amherst College Arizona State University Arkansas State University Auburn University Augsburg College Azusa Pacific University Ball State University Barry University Bates College Bay De Noc Community College Baylor College of Medicine	Ames Laboratory Argonne National Laboratory Brookhaven National Laboratory ESnet Fermilab GENI Project Office Idaho National Laboratory Internet2 Jefferson Lab Lawrence Berkeley National Laboratory LIGO Scientific Collaboration LTERN (Long Term Ecological Research Network)	9STAR Academic Works, Inc. Acatar Accessible Information Management, LLC Advantage Connect Pro Inc. ALEKS Corporation Alexander Street Press American Psychological Association Apple - iTunes U AppointmentLink Portal Solutions, Inc. ARTstor Association for Computing Machinery AT&T Services AthenaOnline.com



Multiple Levels of Assurance

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

A screenshot of a web browser window titled "Google Authenticator Login". The page has a green header with the CILogon Service logo and name. Below the header, the text "Google Authenticator Login" is displayed. A message states: "Your account has been configured to use Google Authenticator as a second authentication factor. Enter a one-time passcode as generated by the app below." There is a form with two fields: "Account: A534@cilogon.org" and "Passcode: 177799". Below the passcode field is a green "Enter" button. At the bottom of the form, there is a link that says "Don't have your phone with you?".

Google Authenticator Login

Your account has been configured to use Google Authenticator as a second authentication factor. Enter a one-time passcode as generated by the app below.

Account: A534@cilogon.org

Passcode: 177799

Enter

[Don't have your phone with you?](#)

Integrated with CyberInfrastructure

Welcome To The CILogon Delegation Service

OCEAN OBSERVATORIES INITIATIVE

Powered By CILogon

Show Help

Get Your Certificate

Open Science Grid

Welcome To The CILogon Service

globus online

Welcome To The CILogon Service

Select An Identity Provider:

Powered By CILogon

Show Help

LIGO

Welcome To The CILogon Service

CardioVascular Research Grid

Select An Identity Provider:

University of Hawaii
University of Illinois at Chicago
University of Illinois At Springfield
University of Illinois at Urbana-Champaign

Search:

Remember this selection: ☐

Continue

By selecting "Continue", you agree to CILogon's privacy policy.

For questions about this site, please see the [FAQs](#) or send email to [help @ cilogon.org](#).
Know [your responsibilities](#) for using the CILogon Service.
See [acknowledgements](#) of support for this site.

Welcome To The CILogon Service

DataONE

Powered By CILogon

Show Help

Select An Identity Provider:

University of Hawaii
University of Illinois at Chicago
University of Illinois At Springfield
University of Illinois at Urbana-Champaign

Search:

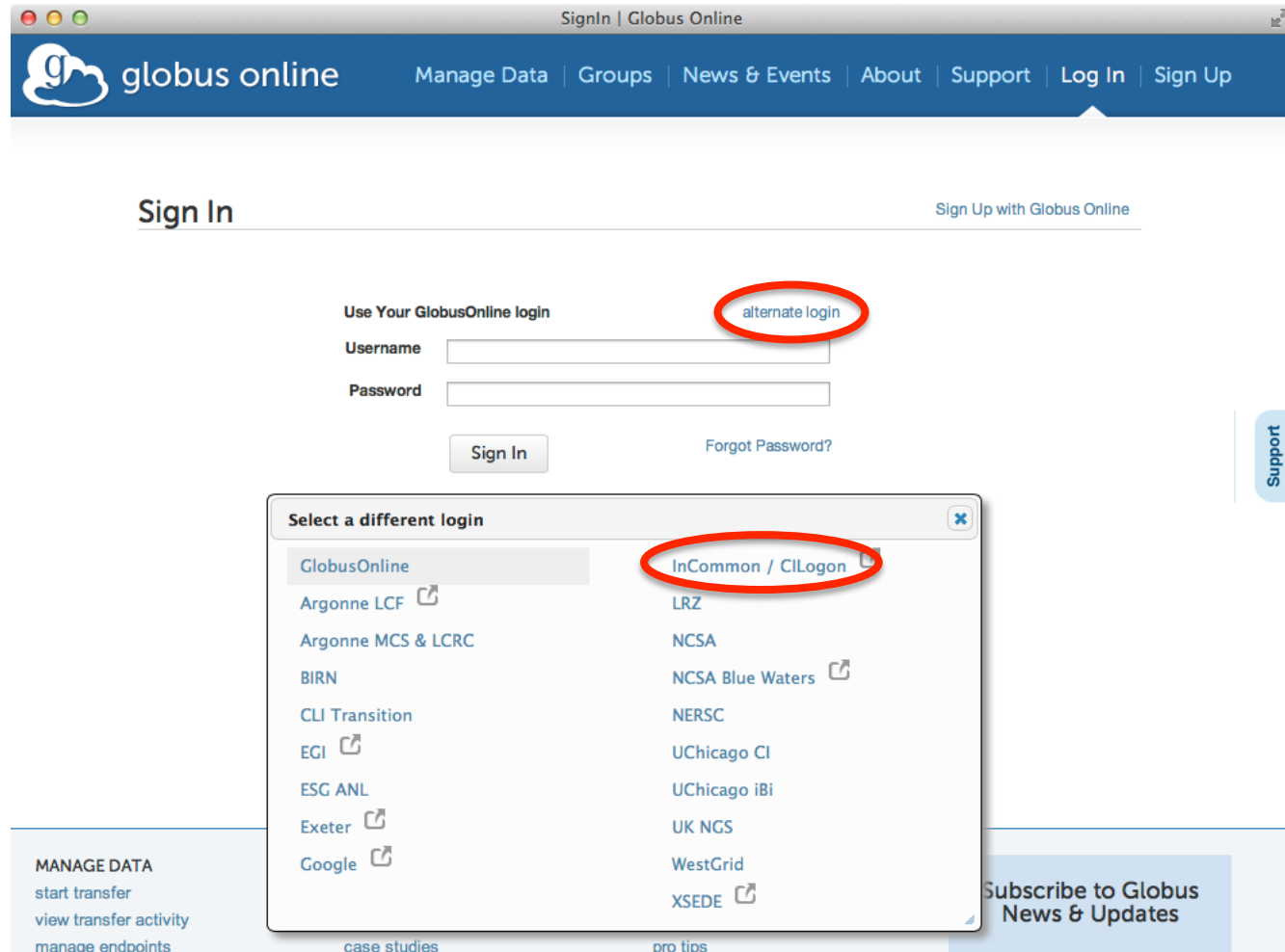
Remember this selection: ☐

LOG ON

By selecting "Log On", you agree to CILogon's privacy policy.

For questions about this site, please see the [FAQs](#) or send email to [help @ cilogon.org](#).
Know [your responsibilities](#) for using the CILogon Service.
See [acknowledgements](#) of support for this site.

Integrated with Globus Online



The screenshot shows the Globus Online Sign In page. The header includes the Globus Online logo and navigation links: Manage Data, Groups, News & Events, About, Support, Log In, and Sign Up. The main heading is "Sign In" with a link to "Sign Up with Globus Online". Below this, there are two login options: "Use Your GlobusOnline login" and "alternate login" (circled in red). The "Use Your GlobusOnline login" section has fields for "Username" and "Password", a "Sign In" button, and a "Forgot Password?" link. The "alternate login" section has a dropdown menu titled "Select a different login". The dropdown menu lists various login providers, with "InCommon / CILogon" (circled in red) being the selected option. Other providers listed include GlobusOnline, Argonne LCF, Argonne MCS & LCRC, BIRN, CLI Transition, EGI, ESG ANL, Exeter, Google, LRZ, NCSA, NCSA Blue Waters, NERSC, UChicago CI, UChicago iBi, UK NGS, WestGrid, and XSEDE. At the bottom, there are links for "MANAGE DATA", "case studies", "pro tips", and "Subscribe to Globus News & Updates".

Sign In | Globus Online

globus online Manage Data Groups News & Events About Support Log In Sign Up

Sign In Sign Up with Globus Online

Use Your GlobusOnline login alternate login

Username Password

Sign In Forgot Password?

Select a different login

- GlobusOnline
- Argonne LCF
- Argonne MCS & LCRC
- BIRN
- CLI Transition
- EGI
- ESG ANL
- Exeter
- Google
- InCommon / CILogon
- LRZ
- NCSA
- NCSA Blue Waters
- NERSC
- UChicago CI
- UChicago iBi
- UK NGS
- WestGrid
- XSEDE

MANAGE DATA start transfer view transfer activity manage endpoints

case studies pro tips

Subscribe to Globus News & Updates

Add Your Identity Provider

- If your campus identity provider isn't yet working with CILogon, please let us know!

<https://cilogon.org/requestidp/>

Contact Information
Your Name:
Email Address:

Home Organization
Select an Organization:
Don't See It? Enter Here:

Additional Information (Optional)
Please tell us more about yourself and your interest in the CILogon Service:

<https://cilogon.org/testidp/>

Verify SAML Attribute Release Policy
Thank you for your interest in the CILogon Service. This page allows the administrator of an Identity Provider (IdP) to verify that all necessary SAML attributes have been released to the CILogon Service Provider (SP). Below you will see the various attributes required by the CILogon Service and their values as released by your IdP. If all required attributes are present, you can add your IdP to the list of organizations available to the CILogon Service (assuming it has not already been added).

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.

SAML Attributes

Metadata Attributes



Federation Info: [About](#) [Organizations](#) [Entities](#)

Federation entities provide services to InCommon participants at their discretion, and collaboration opportunities among InCommon participants. Our value as a community is...

InCommon Service Categories

IdPs

SPs

The following service providers belong to the indicated service category:

Service Provider Name	Service Category
CarmenWiki	research-and-scholarship
CILogon	research-and-scholarship
Collaboration Wiki Spaces at Internet2	research-and-scholarship
FileSender	research-and-scholarship
GENI Experimenter Portal	research-and-scholarship
Indiana CTSI HUB	research-and-scholarship
LIGO CBC Wiki	research-and-scholarship
LIGO Wiki	research-and-scholarship
Narada Metrics	research-and-scholarship
Open Science Data Cloud Console	research-and-scholarship
Penn State WikiSpaces	research-and-scholarship
UW-Milwaukee CGCA Wiki	research-and-scholarship

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

Service Category	# of SPs	# of IdPs
research-and-scholarship	12	55

Conclusions

- CILogon issues personal digital certificates using federated authentication
 - Bridging InCommon and IGTF
 - Supporting multiple levels of assurance
 - Integrated with cyberinfrastructure
- InCommon supports cyberinfrastructure providers through the R&S program
- Let's collaborate on the use of federated identities with cyberinfrastructure!

Thanks!

info@cilogon.org
jbasney@illinois.edu

www.cilogon.org/faq

Please
visit our
poster!

