

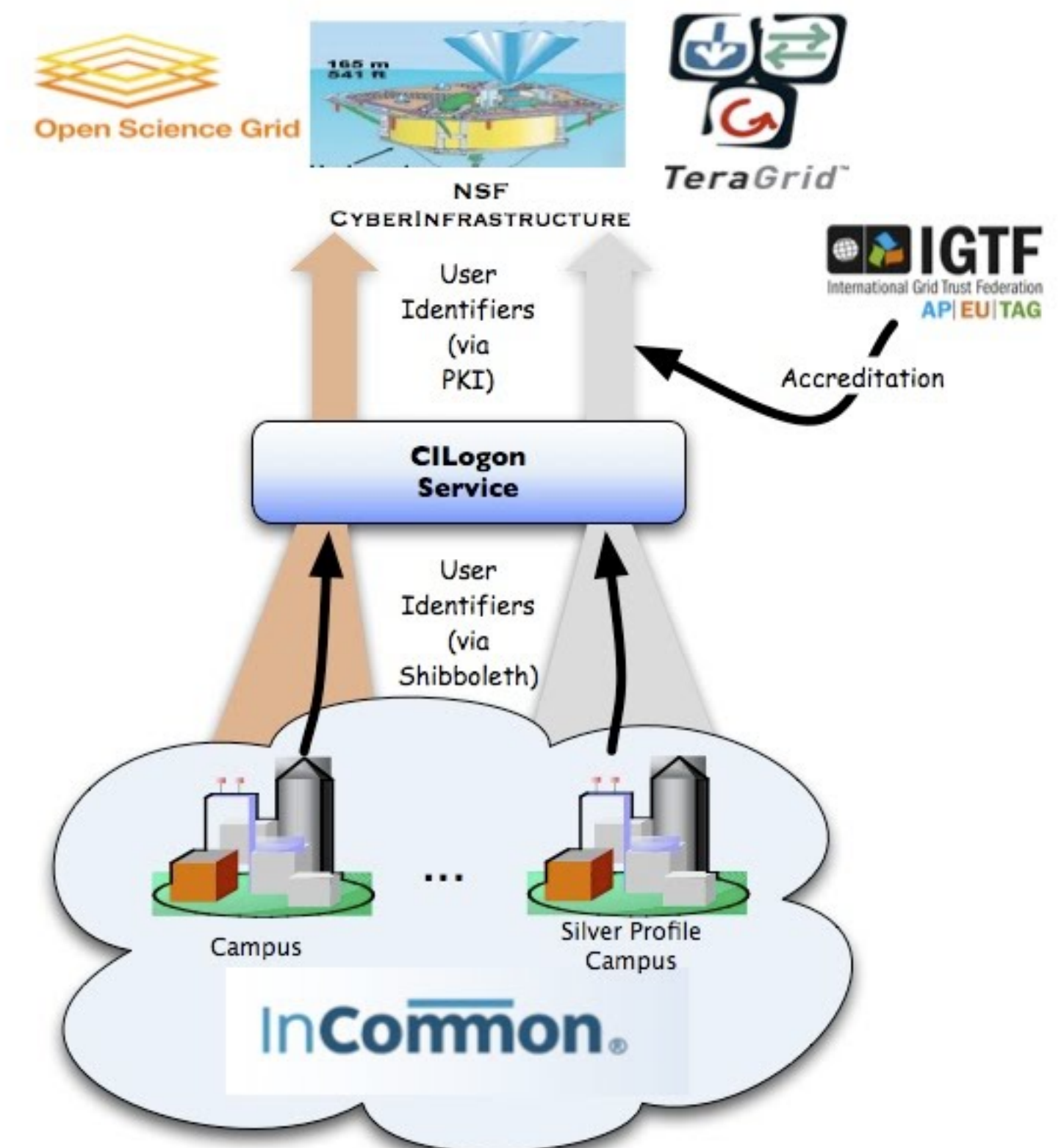
CILogon: Federated Logon to NSF Cyberinfrastructure

<https://cilogon.org>

The CILogon Project is deploying the open source, standards-based CILogon Service to provide the NSF research community with credentials for secure access to cyberinfrastructure (CI). The service bridges the identity credentials generated by the nation's universities, through the InCommon Federation, to credentials that satisfy the authentication and authorization needs of NSF's CI projects.

The primary technical challenge we face is the technology difference between InCommon, which is based on the Security Assertion Markup Language (SAML) as implemented by the Internet2 Shibboleth software, and NSF's cyberinfrastructure, which is based on public key infrastructures (PKIs) that emerged from computational grids. The CILogon Service will address this challenge by operating an online Certification Authority (CA) to issue certificates on demand based on an InCommon login.

This effort is a follow-on to TeraGrid's federated logon service (<https://go.teragrid.org>), deployed in September 2009, which allows TeraGrid researchers to access TeraGrid resources using their campus login, by bridging from InCommon Federation (SAML) to International Grid Trust Federation (PKI) credentials. The CILogon Service will extend this capability beyond TeraGrid to serve all InCommon member researchers. It is scheduled to officially begin operation in September 2010, after a testing period starting in April.



Welcome to the CILogon Service

CILogon Service

What Is The CILogon Service?

The CILogon Service allows users to authenticate with their home organization and obtain a certificate for secure access to [NSF Cyberinfrastructure](#) (CI) projects. Additional information can be found at www.cilogon.org.

CILogon + Your Organization = Secure Access to NSF CI

How Does The CILogon Service Work?

The CILogon Service is a member of [InCommon](#), a formal federation of over 200 universities, agencies, and organizations. Many of these organizations maintain an authentication service to provide their users with web single sign-on. An InCommon organization can partner with the CILogon Service to provide user information for the purpose of issuing certificates. These certificates can then be used for accessing cyberinfrastructure resources.

How Do I Use The CILogon Service?

Select your organization from the drop-down list, then click the "Log On" button. You will be redirected to your organization's login page. After you authenticate with your organization as you typically would, you will be redirected back to the CILogon Service. Then you will be able to fetch a certificate for use with cyberinfrastructure resources.

What If I Don't See My Organization Listed?

If you don't have an account with any of the organizations listed in the drop-down list in the "Start Here" menu, you can register for a free user account at [ProtectNetwork](#) for use with the CILogon Service. Alternatively, you can [make a request for your organization](#) to appear in the list of available organizations.

Start Here

Select An Organization:

University of Illinois at Urbana-Champaign

Remember this selection: ☐

Log On

The CILogon Service is funded by the National Science Foundation under grant number 0943633. This site uses software from the MyProxy and GridShib projects. Please send any questions or comments about this site to help @ cilogon.org.

ILLINOIS
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

This material is based upon work supported by the National Science Foundation under grant number 0943633. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.