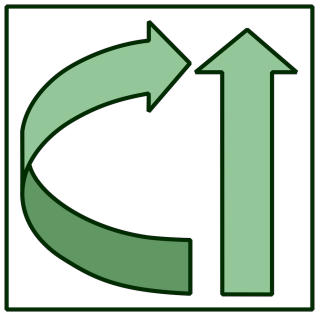
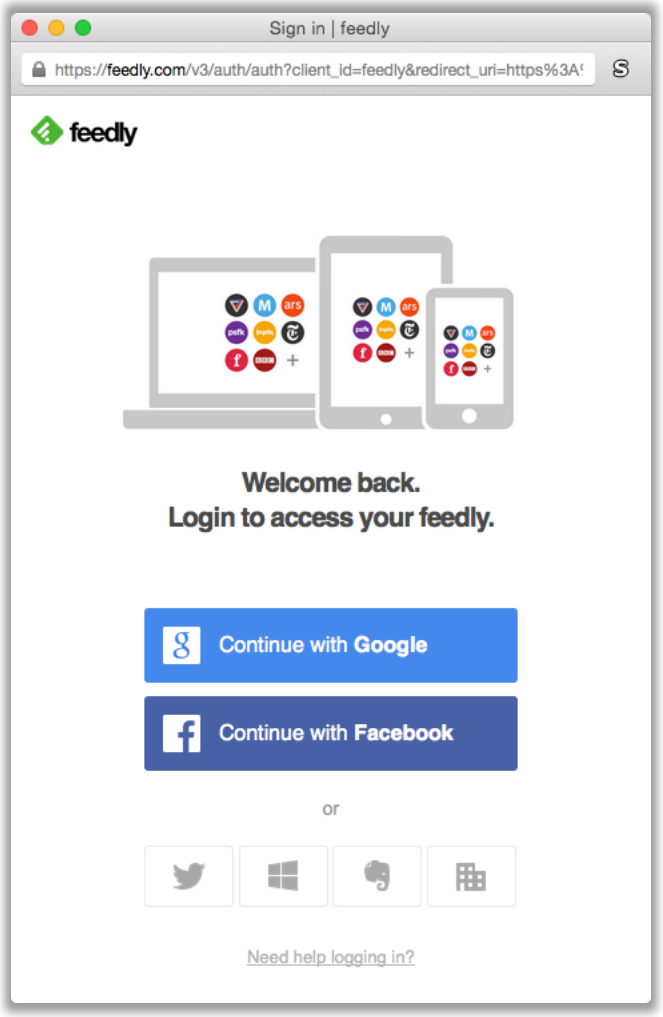
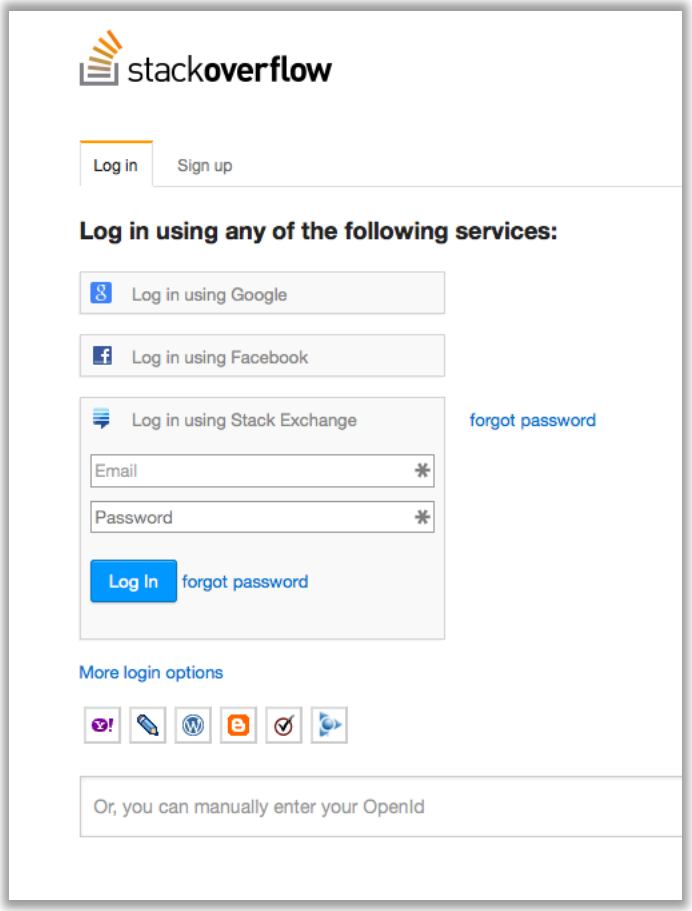


CILogon & InCommon & Federated Identity

Jim Basney <jbasney@ncsa.illinois.edu>

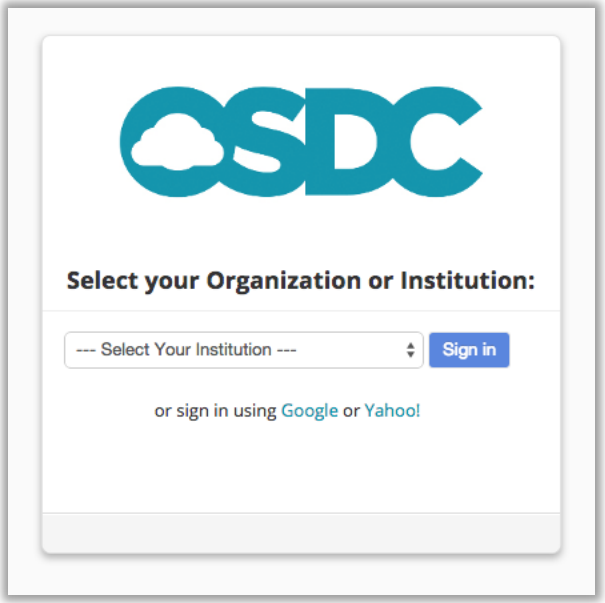
Federated Identity





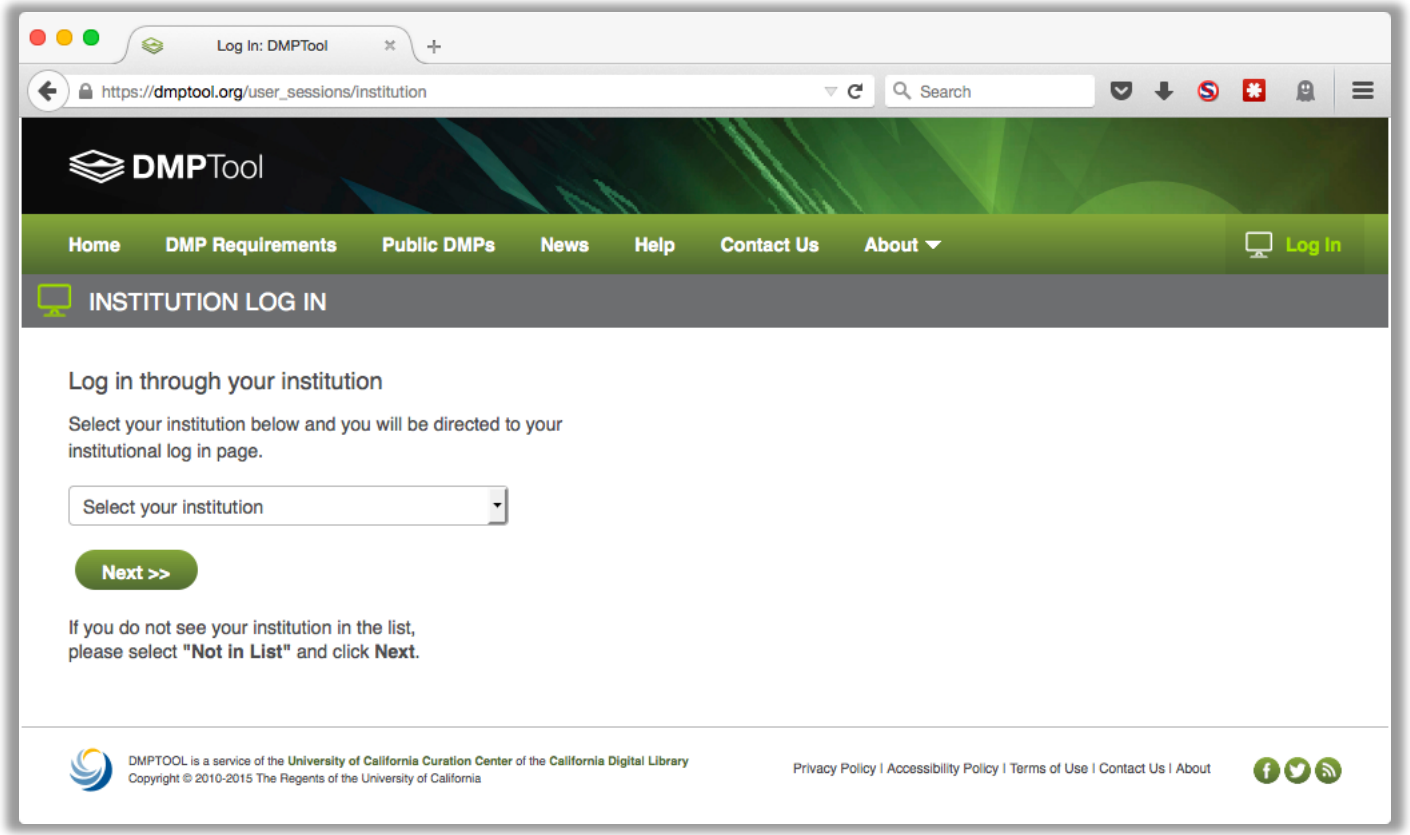
Federated Identity for R&E

geni.net



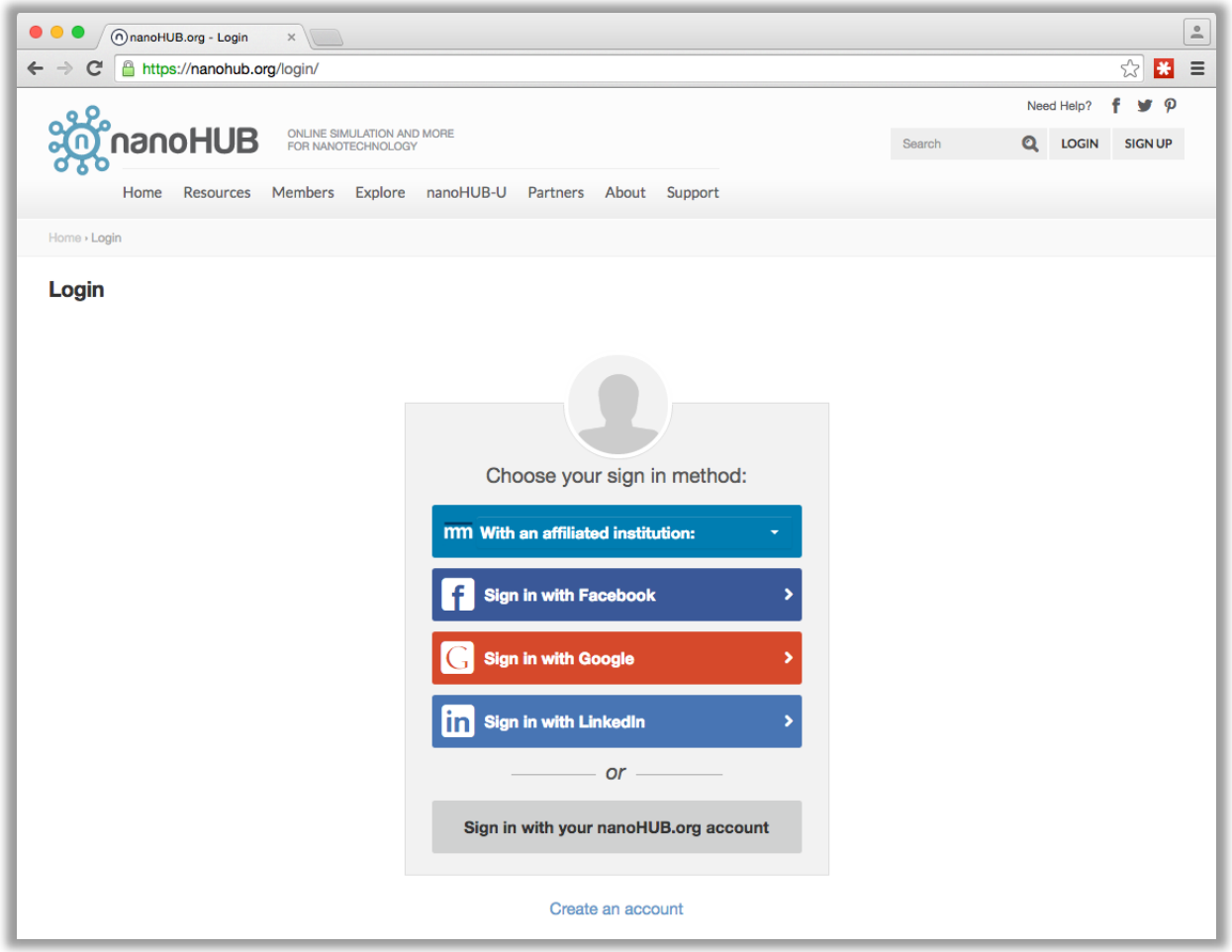
opensciencedatacloud.org

Federated Identity for R&E

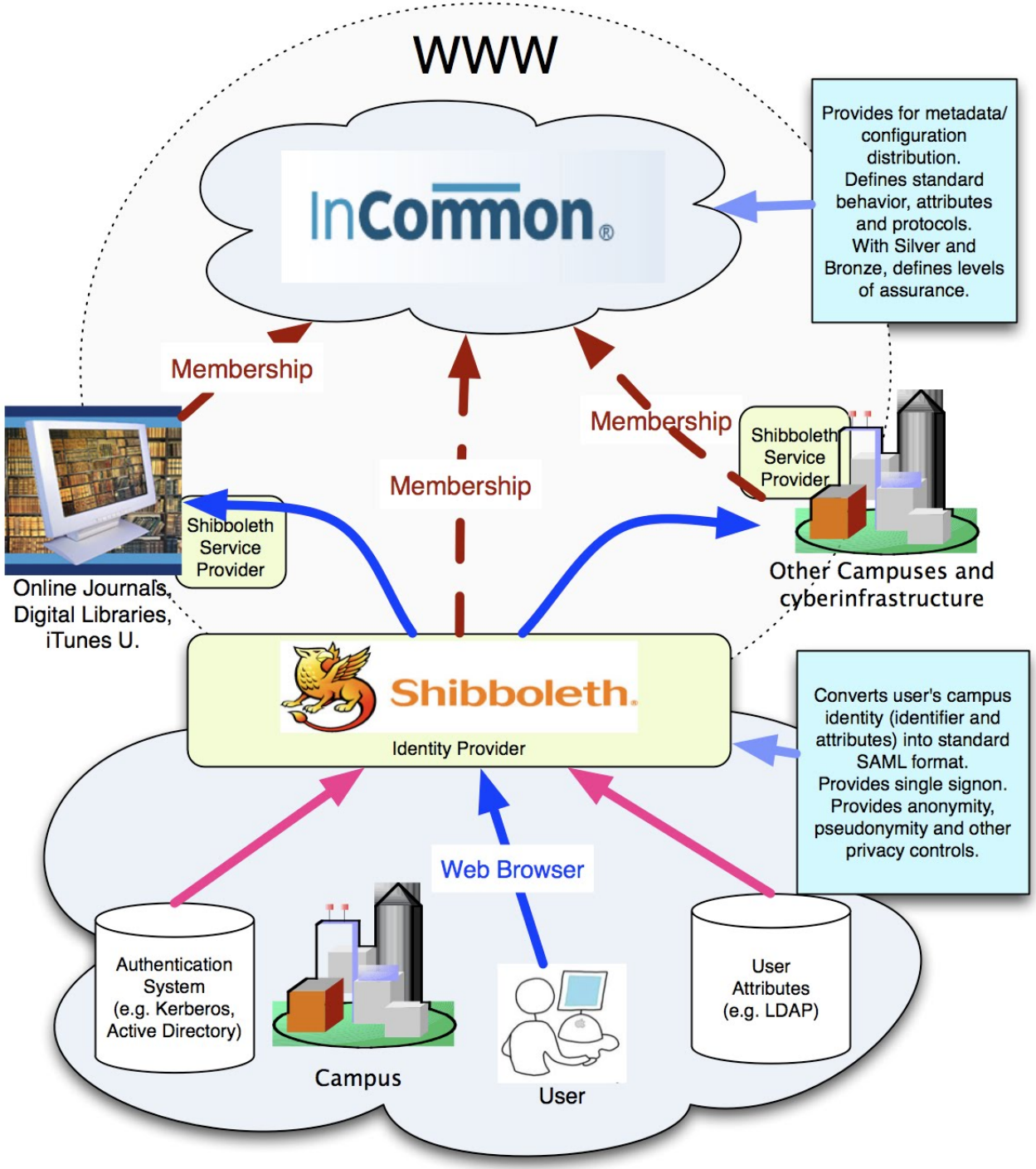


dmptool.org

Federated Identity for R&E



nanohub.org

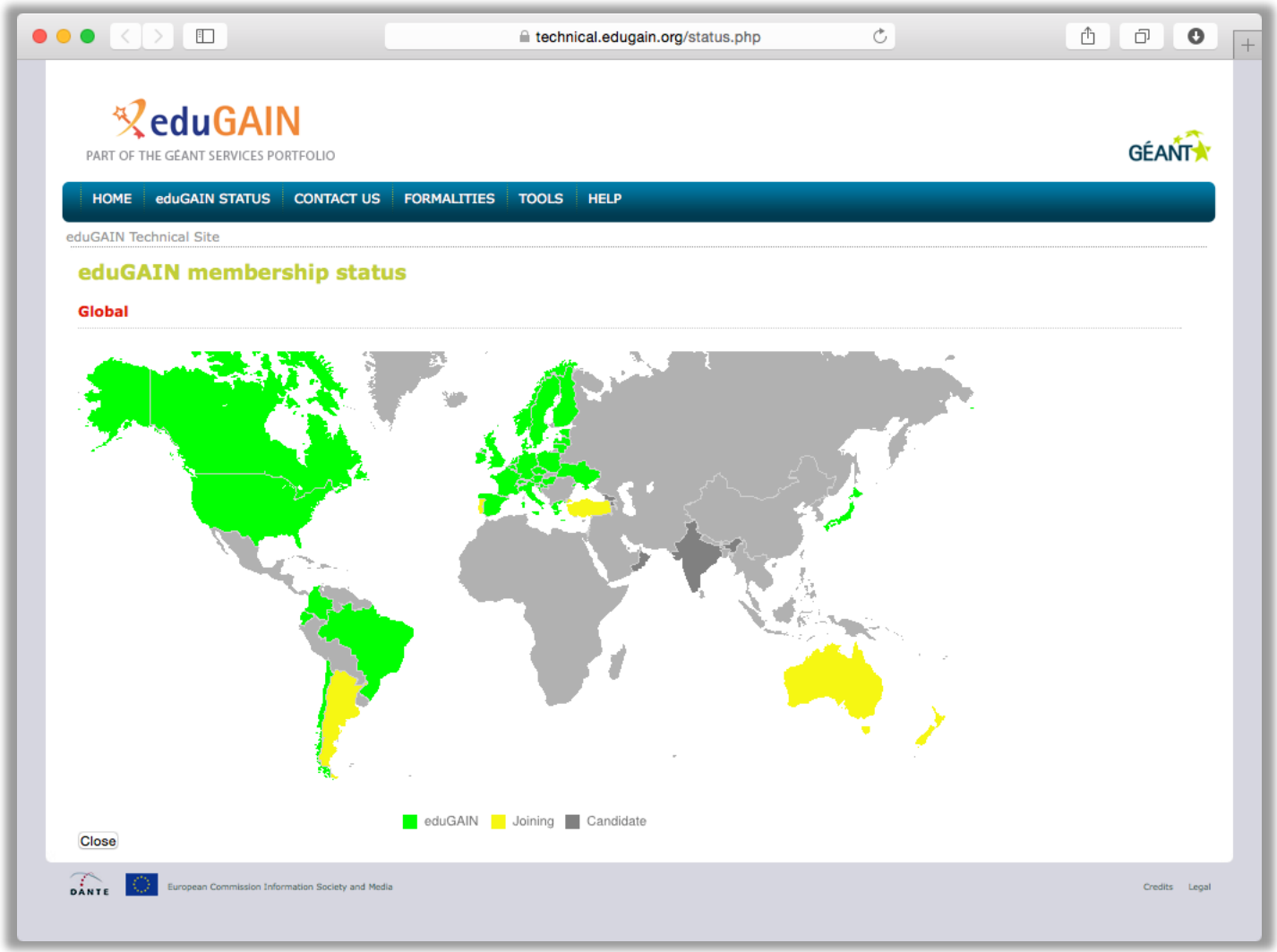

WWW
InCommon
Provides for metadata/ configuration distribution. Defines standard behavior, attributes and protocols. With Silver and Bronze, defines levels of assurance.
Membership
Membership
Membership
Shibboleth Service Provider
Shibboleth Service Provider
Online Journals, Digital Libraries, iTunes U.
Other Campuses and cyberinfrastructure
Shibboleth
Identity Provider
Converts user's campus identity (identifier and attributes) into standard SAML format. Provides single signon. Provides anonymity, pseudonymity and other privacy controls.
Web Browser
Authentication System (e.g. Kerberos, Active Directory)
Campus
User
User Attributes (e.g. LDAP)

100+ InCommon Research and Scholarship Identity Providers

Arizona State University
Boston University
Brookhaven National Laboratory
Brown University
California Institute of Technology
California State Polytechnic University, Pomona
California State University, Fresno
California State University, Fullerton
Carleton College
Carnegie Mellon University
Clemson University
Colorado School of Mines
Colorado State University
Columbia University
Cornell University
Florida International University
George Mason University
Georgia Institute of Technology
GPN (Great Plains Network)
Indiana University
Indiana University of Pennsylvania
Internet2
Iowa State University
Johns Hopkins
Kansas State University
Lawrence Berkeley National Laboratory
Lehigh University
LIGO Scientific Collaboration
Louisiana State University
LTERN (Long Term Ecological Research Network)
Massachusetts Institute of Technology
Montana State University - Bozeman
New York University
North Carolina State University
Northwestern University
Ohio State University
Ohio Technology Consortium (OH-TECH)
Oregon State University
Pomona College
Purdue University Main Campus
Reed College
Rice University
Rockefeller University
Rutgers, The State University of New Jersey
San Diego State University
Southern Illinois University
Southern Methodist University
Stevens Institute of Technology
Stony Brook University
Syracuse University
Texas A & M University
The University of Arizona
Towson University
Tufts University
University At Albany, State University of New York
University of Alabama at Birmingham
University of Alaska Statewide System
University of Arkansas
University of California, Davis
University of California, San Francisco
University of California, Santa Cruz
University of California-Irvine
University of California-Los Angeles
University of Central Florida
University of Chicago
University of Cincinnati Main Campus
University of Colorado at Boulder
University of Dayton
University of Florida
University of Hawaii
University of Houston Libraries
University of Illinois at Chicago
University of Illinois At Springfield
University of Illinois at Urbana-Champaign
University of Iowa
University of Kansas
University of Maryland Baltimore
University of Maryland Baltimore County
University of Maryland College Park
University of Massachusetts Amherst
University of Michigan
University of Minnesota
University of Missouri System
University of Nebraska-Lincoln
University of North Carolina at Chapel Hill
University of Oregon
University of Pennsylvania
University of Pittsburgh
University of South Florida
University of Southern California
University of Utah
University of Vermont
University of Virginia
University of Washington
University of Wisconsin-Madison
University of Wisconsin-Milwaukee
Utah State University
Utah Valley University
Vanderbilt University
Virginia Polytechnic Institute and State University
Weill Cornell Medical College
West Virginia University
Western Michigan University
Wheaton College (MA)
Yale University

id.incommon.org/category/research-and-scholarship

International Federation: eduGAIN

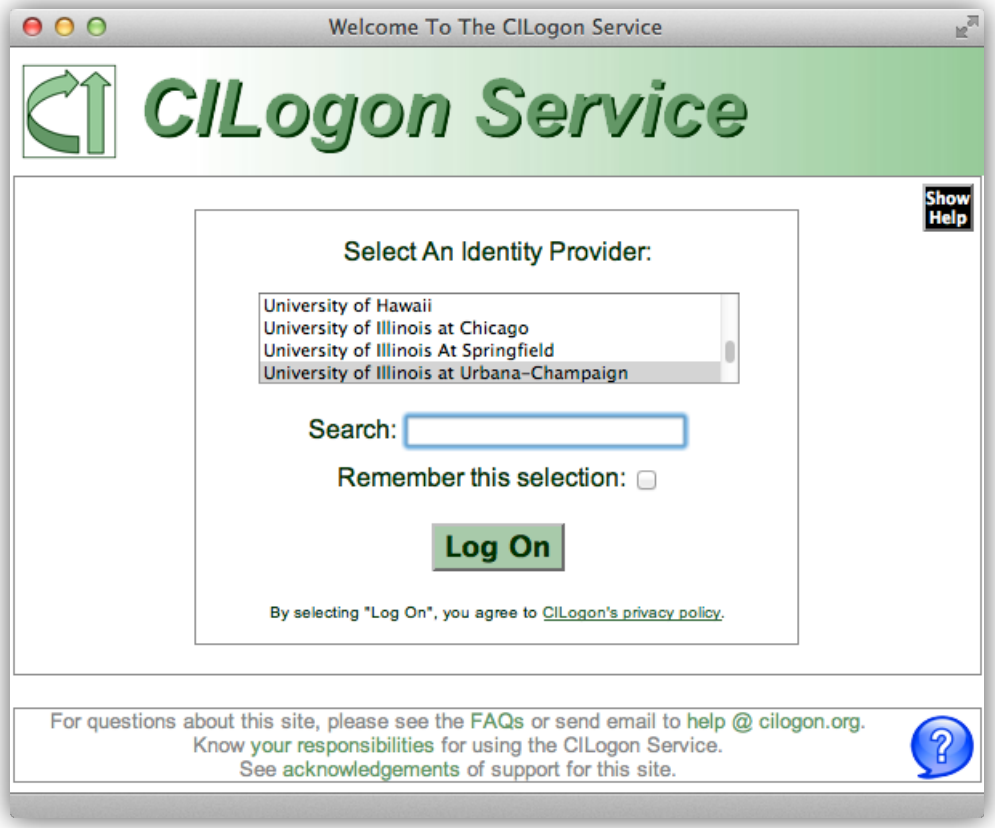


CILogon Project
www.cilogon.org

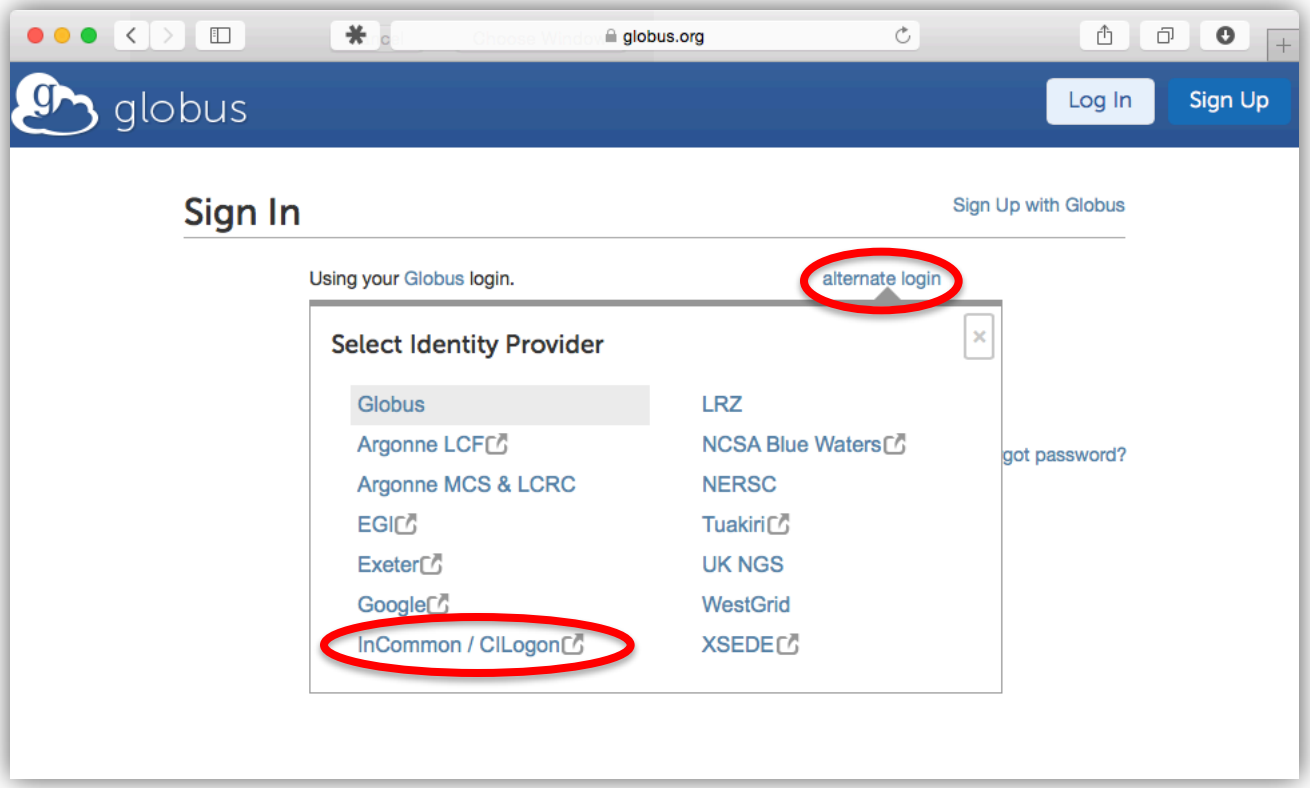
- Project goal: enable federated access to cyberinfrastructure (CI)
- Project team: Jim Basney, Terry Fleury, Jeff Gaynor, Venkat Yekkirala
- Open Source – cilogon.sf.net
  - Using MyProxy and Shibboleth software

CILogon Service
https://cilogon.org/

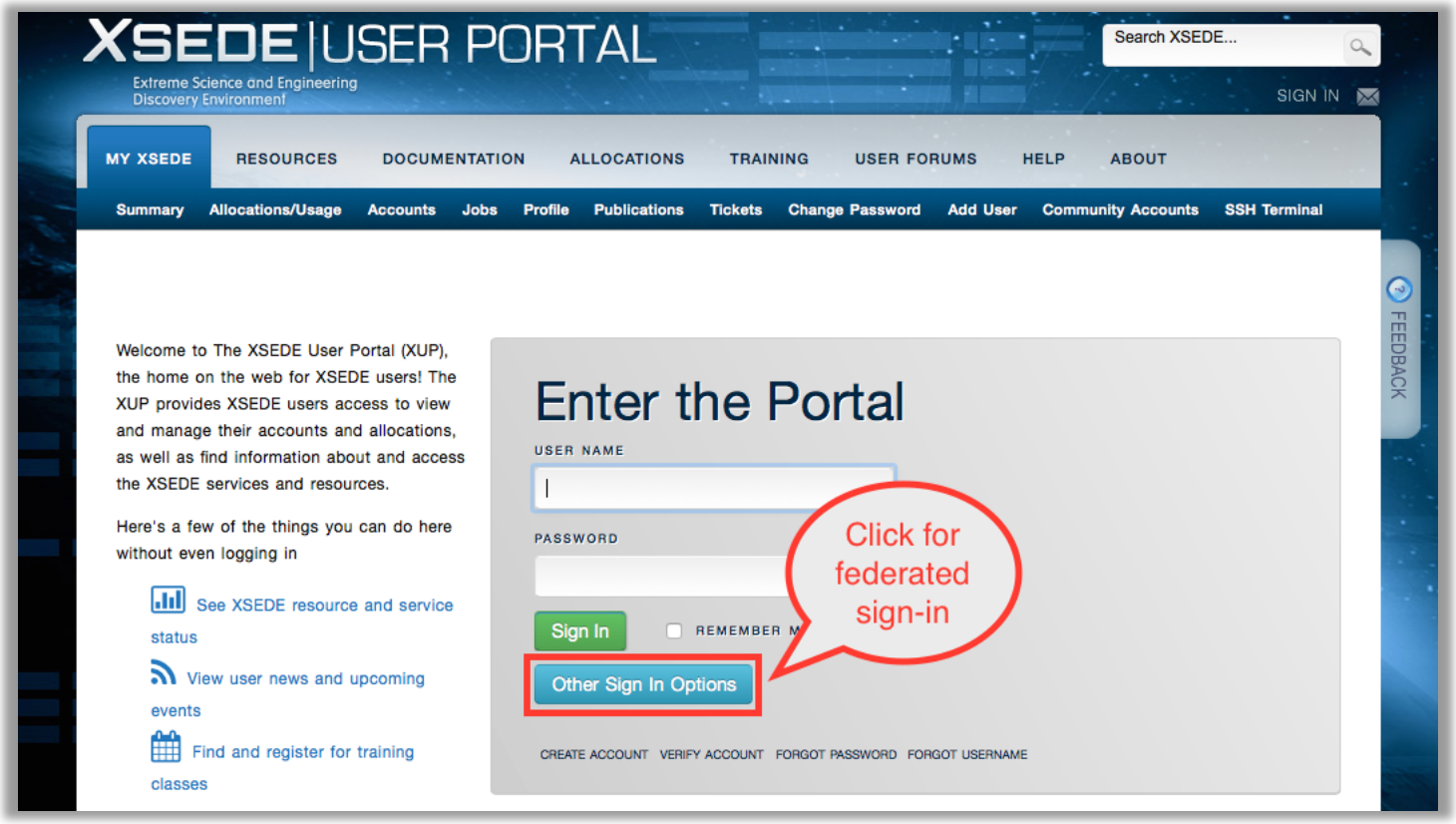
- Provides OAuth interface to federated IDs
- Issues X.509 certificates



CILogon & Globus

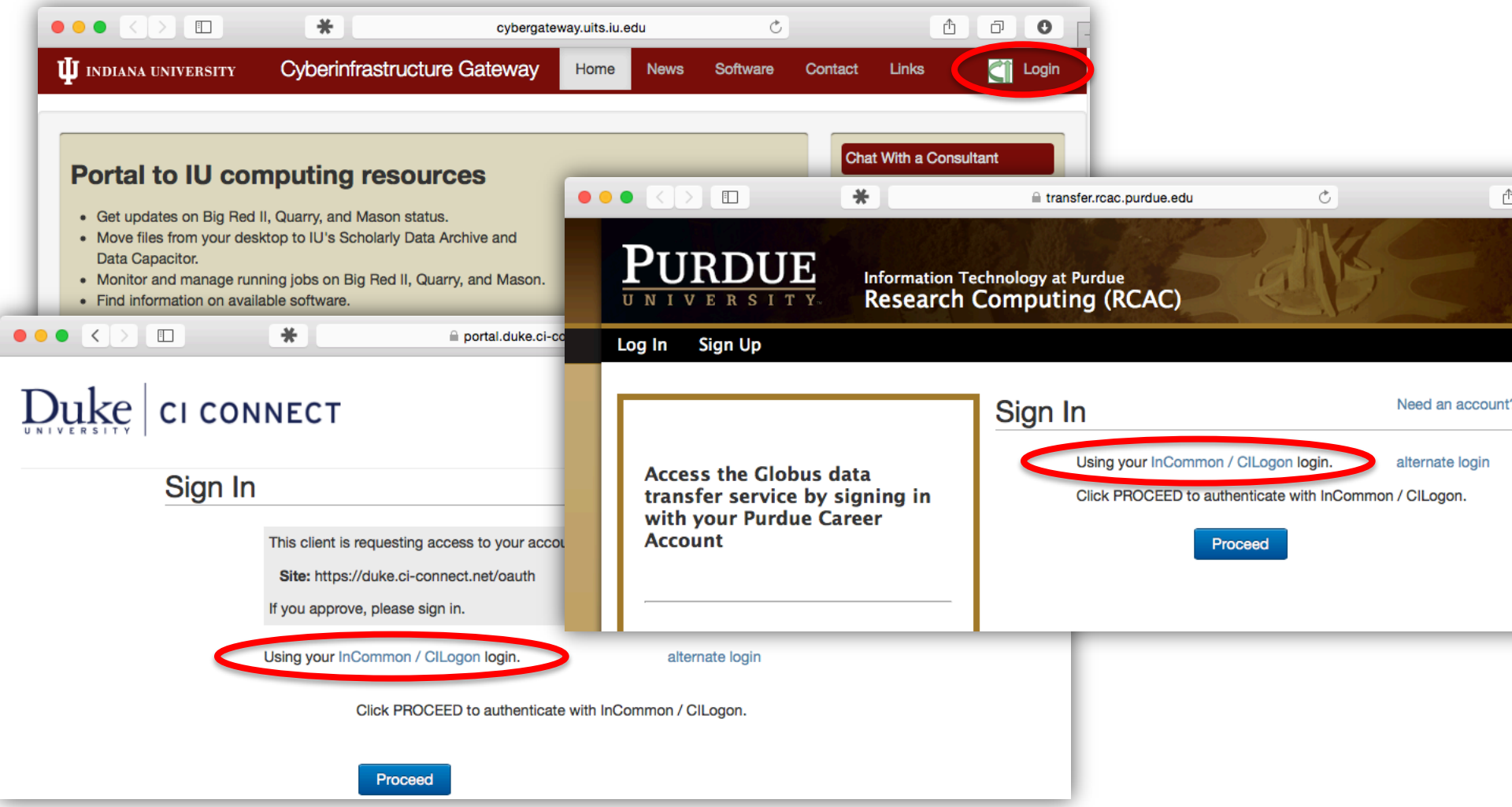


CILogon & XSEDE



www.cilogon.org/xsede

CILogon & Campus CI



Demos / Discussion