CILogon
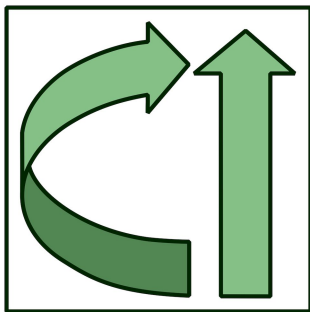
An Integrated Identity and Access Management Platform for Science

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April 2017

NCSA

spherical cow group

MOO

CILogon - Launched Sep 2010

- ❑ Enables use of federated identities for access to cyberinfrastructure
- ❑ Translates across federations and protocols
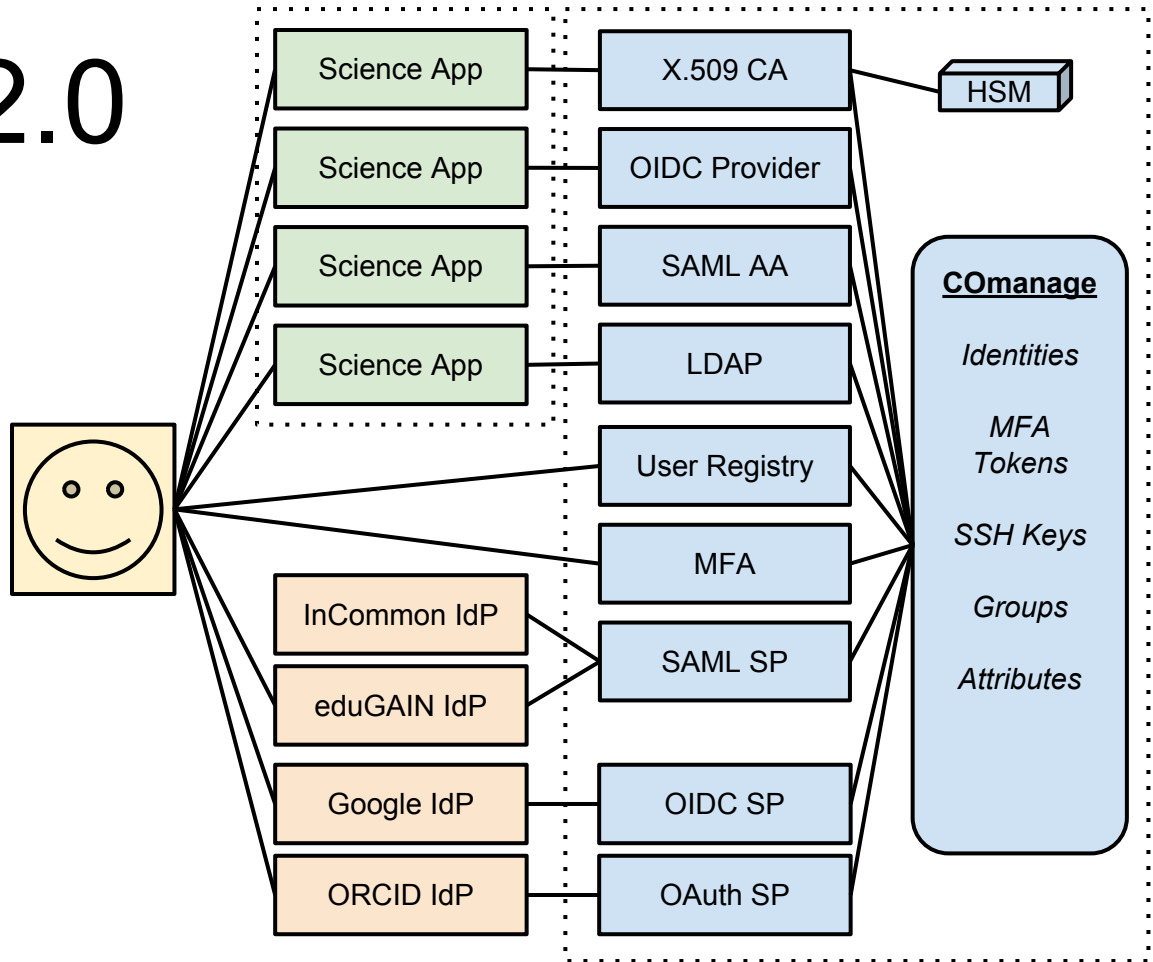- ❑ Supported by **XSEDE** Extreme Science and Engineering Discovery Environment

CILogon   *www.cilogon.org*

CILogon 2.0

CILogon:
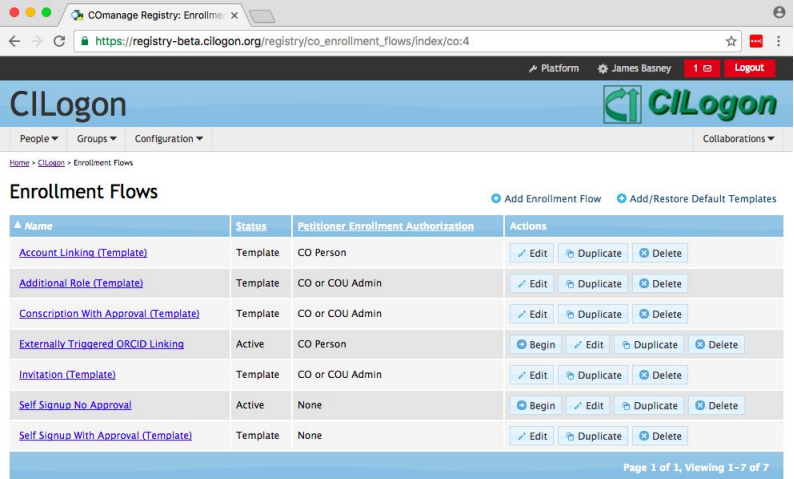federated identity
management

COmanage:
collaborative
organization
management

CILogon

www.cilogon.org

Managing Project Groups/Roles

COmanage provides:

- ❑ enrollment flows
- ❑ expiration policies
- ❑ self service
    permissions
- ❑ pipelines

Use Cases

- ❏ Research projects with collaborators across multiple institutions
- ❏ Using federated identity
- ❏ Managing group memberships and application authorization

- ❏ OAuth, OpenID Connect, SAML, LDAP, SSH, X.509
- ❏ Outsourcing IAM services
- ❏ Consistent with InCommon Research & Scholarship definition

CILogon-enabled Sites

ATLAS Connect

Brandeis

Clemson

CyberGIS

CERN

CMS Connect

DataONE

DOE KBase

Duke CI Connect

Fermilab

Globus

Indiana University

LIGO

LRZ

MIT

NANOGrav (Pilot)

Northwestern

Notre Dame

OOI

OSC OnDemand

OSG Connect

SciGaP

SeedMe

SWAMP

UNL

XSEDE

Timelines

July 2017:

- ❏ Ready for new pilot projects
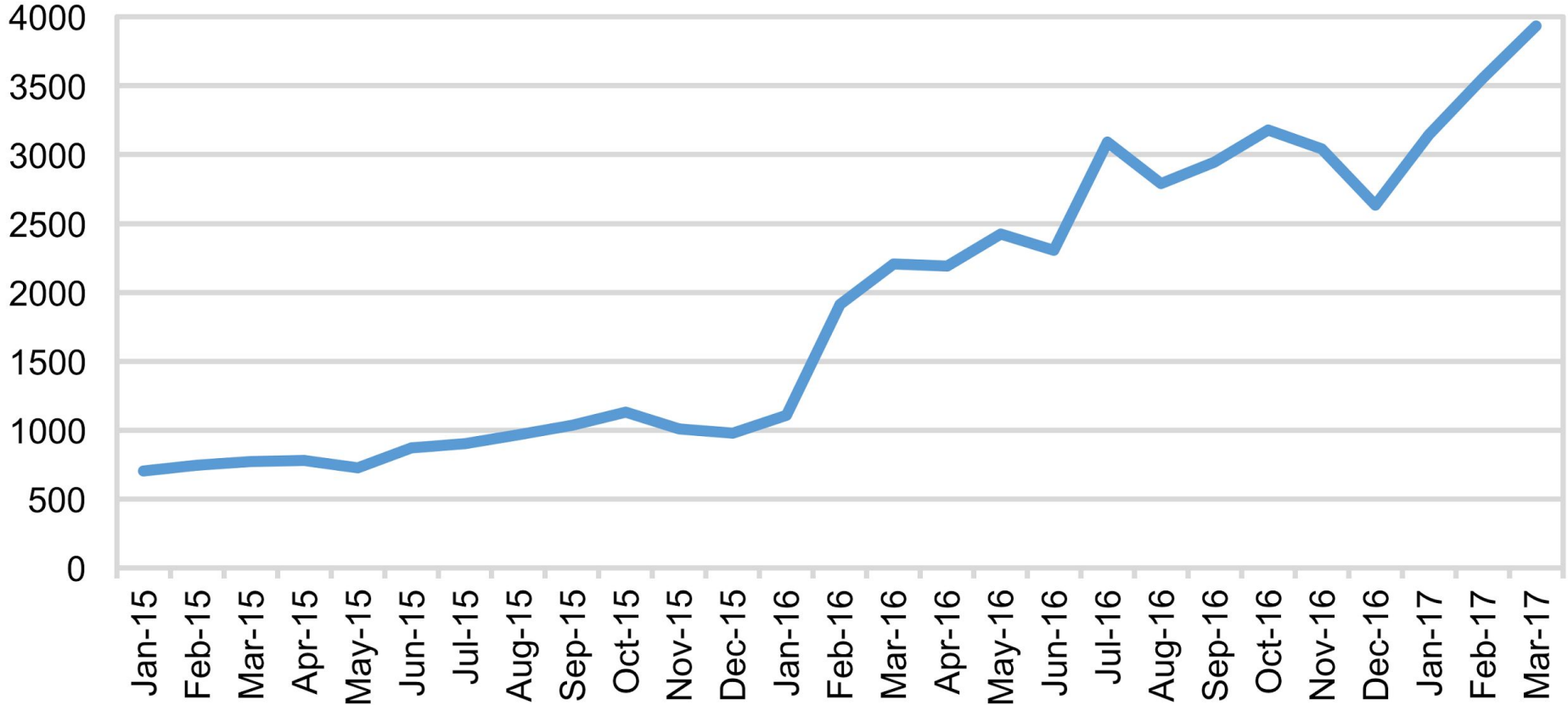- ❏ Launch of fee-based service

December 2018:

- ❏ End of CILogon 2.0 NSF grant
- ❏ Fully transitioned to sustainability model

Expectations

- ❏ Knowledge of your collaboration needs
- ❏ Ability to integrate IAM with your apps
- ❏ InCommon R&S IdP on your campus
- ❏ Support for https://refeds.org/sirtfi

Active CILogon Users Per Month

CILogon   **www.cilogon.org**

192 Active IdPs (Mar 2017)

Fermi National Accelerator Laboratory
LIGO Scientific Collaboration
University of Michigan
National Institutes of Health
Ohio State University
Purdue University Main Campus
University of Illinois at Urbana-Champaign
Google
University of Chicago
Johns Hopkins
University of Minnesota
University of California-Los Angeles
University of Colorado at Boulder
University of Florida
University of California, Berkeley
The George Washington University
Indiana University
Lawrence Berkeley National Laboratory
University of Nebraska-Lincoln
Oak Ridge National Laboratory
Argonne National Laboratory
Cornell University
The University of Arizona
Stanford University
University of Washington
Princeton University
Michigan State University
New York University
Yale University
University of Southern California
Iowa State University
University of Texas at Austin
University of Kansas
Northwestern University

Penn State
University of Rochester
University of Cincinnati Main Campus
University of Hawaii
Rutgers
University of North Carolina at Chapel Hill
Texas A & M University
Carnegie Mellon University
Texas Tech University
Columbia University
Clemson University
University of Pittsburgh
University of Wisconsin-Madison
University of Notre Dame
University of California-San Diego
Rice University
University of Wyoming
University of Utah
Case Western Reserve University
University of Tennessee
Oklahoma State University System
University of South Dakota
University of California, Davis
West Virginia University
Boise State University
University of California-Santa Barbara
Ohio University Main Campus
Massachusetts Institute of Technology
Duke University
University of Pennsylvania
Montana State University - Bozeman
Vanderbilt University
University of Virginia
University of Maryland College Park
Baylor College of Medicine

Arizona State University
Georgia Institute of Technology
Brown University
Boston University
Woods Hole Oceanographic Institution
University of Iowa
University of Dayton
Stony Brook University
Leibniz Supercomputing Centre
Lehigh University
California Institute of Technology
Brookhaven National Laboratory
XSEDE
Weill Cornell Medical College
Virginia Polytechnic Institute and State University
ETHZ - ETH Zurich
Colorado School of Mines
University of Missouri System
University of Massachusetts Amherst
University of Delaware
University of Central Florida
University of California, San Francisco
University of California-Irvine
Marshall University
Colorado State University
Wayne State University
Uppsala University
University of Wisconsin-Milwaukee
University of Oklahoma
University of Arkansas
Tufts University
Oregon State University
Old Dominion University
Lund University
Ludwig-Maximilians-Universität München (LMU)

Georgia State University
Georgetown University
George Mason University
CERN
California State Polytechnic University, Pomona
Utah State University
University of Nevada, Reno
University of Nebraska Medical Center
University of Miami
University of Illinois at Chicago
University of California, Santa Cruz
The State University of New York
The Broad Institute
Texas State University - San Marcos
Technical University of Munich
Ohio Technology Consortium
North Carolina State University
National Center for Supercomputing Applications
Mississippi State University
Louisiana State University
Linköping University
Lamar University
Korean Access Federation
Harvey Mudd College
Florida International University
ESnet
Emory University
Cardiff University
California State University, Fullerton
University of Zurich
University of Texas at Dallas
University of South Carolina
University of North Carolina At Charlotte
University of Maryland Baltimore County
University of Cape Town

United ID
The University of Memphis
Syracuse University
South Dakota State University
ProtectNetwork
Portland State University
GitHub
Florida Atlantic University
EPFL - EPF Lausanne
Brandeis University
Auburn University
Western Michigan University
University of Vermont
University of Texas Southwestern Medical Center
University of Padova
University of Oregon
University of North Carolina at Greensboro
University of Nebraska at Omaha
University of Maryland Baltimore
University of Copenhagen
University of California, Riverside
University of Alabama, The
University At Albany, State
University of
Universität Basel
Towson University
Temple University
Stockholm University
Stevens Institute of Technology
Southern Methodist University
Southern Illinois University
Smithsonian Institution
San Diego State University
PSI - Paul Scherrer Institut
Northern Illinois University
National Institute for Astrophysics - INAF

Miami University
Medical University of South Carolina
Loyola University of Chicago
LMU Munich
Lafayette College
Kansas State University
Johannes Kepler University Linz
James Madison University
Internet2
INFN - National Institute for Nuclear IGTF
ICER - Mali
HES-SO : UAS Western Switzerland
Florida State University
Cedarville University
Boston College
Baylor University

International IdPs are highlighted

CILogon
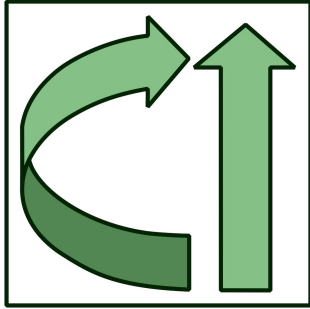
www.cilogon.org

Thanks!

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help@cilogon.org