# CILogon

An Integrated Identity and Access Management

Platform for Science

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# 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 2.0

CILogon:

federated identity

management

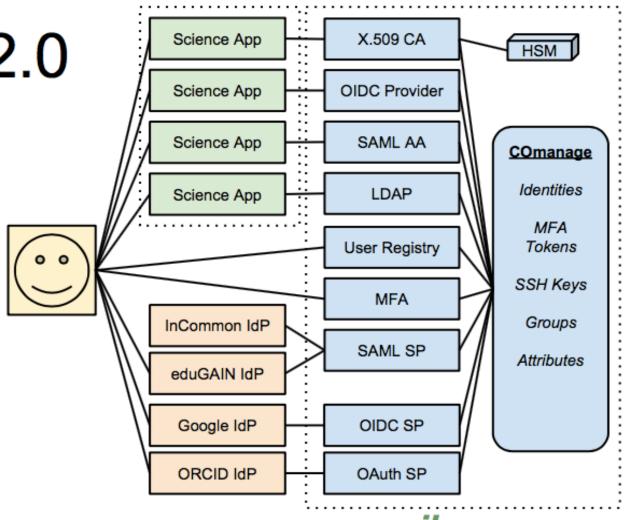
COmanage:

collaborative

organization

management

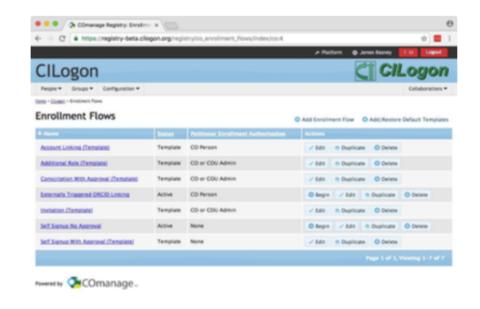




# Managing Project Groups/Roles

### 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

CI CILogon

## 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** 

001

OSC OnDemand

**OSG Connect** 

SciGaP

SeedMe

**SWAMP** 

UNL

**XSEDE** 



## **Timelines**

#### July 2017:

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

#### December 2018:

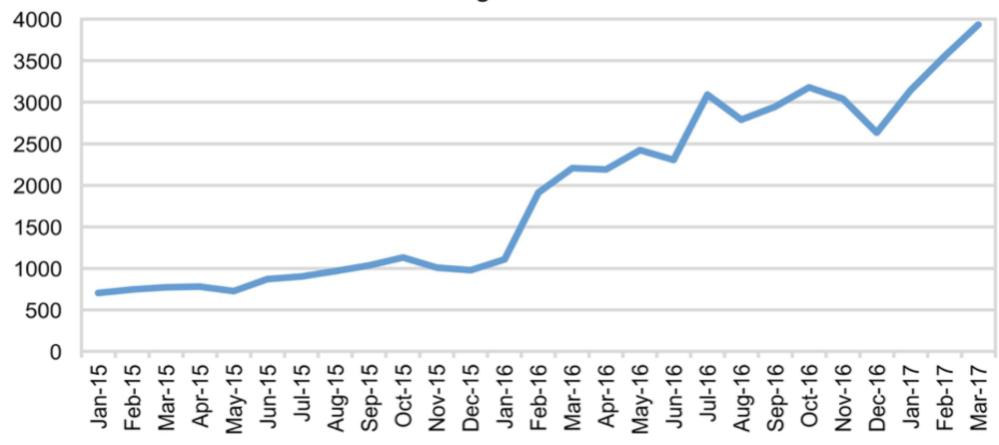
- End of CILogon 2.0 NSF grant
- Fully transitioned to sustainability model

## 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





# 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 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** 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 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

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

Brandels 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 -

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

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





## Thanks!



Contact us:

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