

Current State of Seamless Access

September 2020



For the next 10 mins ...

1. Why is Seamless Access?
2. State of the project
3. How can you participate?

To recap ...

- The Resource Access in the 21st Century project (RA21) initiated in 2016, initially to explore the challenge of remote access.
- Stakeholders from the publishing, library, software, and identity communities; input from 60 organizations.
- Identified that Federated Authentication held the most promise for providing a robust, scalable solution for remote access to scholarly content.
- Investigated barriers to take-up, developed best practices, and piloted technical approaches to simplifying access

To recap ...

- Conclusions published as a draft NISO Recommended Practice in April 2019
- >200 comments helped identify further areas for investigation and confirm the value of testing a beta service
- Final NISO Recommended Practice* published in June 2019.

** Recommended Practices for Improved Access to Institutionally-Provided Information Resources: Results from the Resource Access in the 21st Century (RA21) Project*

What is SeamlessAccess?

A **coalition** of 4 organizations now building an operational service based upon the RA21 recommended practices



SeamlessAccess

SeamlessAccess enables true Single Sign-On. Your users will be able to sign in using their preferred sign in credentials, and will not be bothered for them again for all SeamlessAccess-enabled sites.



Access through your institution

Access through your institution

1904 Accesses | 2 Citations | 142 Altmetric | Metrics

Abstract

Urgent challenges posed by widespread degradation in tropical ecosystems with poor governance require new development pathways to reconcile biodiversity conservation and human welfare. Communit...

Why Are We Here?

- Improve remote access scenarios
 - Increase in off-campus access
 - Faulty use case assumptions
- Improve usability via a secure, single sign-on solution
- Personalized user services capabilities
- Enhance user privacy mechanisms

The image shows two side-by-side screenshots of documentation pages. The left page is titled 'Method 1: OpenAthens' and describes how to connect from off-campus. It lists features such as 'No software to install', 'Login with eID, password and Duo', and 'Only provides access to library resources'. Below the text is a video player with the title 'How to Connect with OpenAthens'. The right page is titled 'Method 2: Pulse Secure' and describes how to connect to library resources and secure JMU materials. It lists features such as 'Requires software install', 'Login with eID, password and Duo', and 'Provides access to library resources and sensitive JMU files (e.g. N: drive)'. Below the text is a video player with the title 'Start at the JMU Computing Website' and the URL 'http://www.jmu.edu/computing/'.

Method 1: OpenAthens
OpenAthens simplifies your connection to library resources from off-campus.

Features:

- No software to install
- Login with eID, password and Duo
- Only provides access to library resources

Connect from Off-Campus with OpenAthens

How to Connect with OpenAthens

Here's how it works:

1. To access library resources from off-campus, start at the [JMU Libraries website](#)
2. Find and click on the resource
3. Login to the JMU page with your eID and password
4. Complete Duo authentication
5. Access your resource

Once logged in, you will remain connected for 1 day or until you close the browser.

Please note that while most library resources can be accessed through OpenAthens, not all providers and publishers are set up for OpenAthens. If you are unable to access a particular resource through OpenAthens, please use Pulse Secure for off-campus access to that resource (continue reading).

Proxy Server
(retired July 31, 2019)

Please note that the proxy server is no longer an option to connect to resources from off-campus. To access the Libraries' online resources from off campus you will need to authenticate through either OpenAthens or Pulse Secure. Instructions for OpenAthens and Pulse Secure are above. If you have the library proxy server configured in your (Chrome) browser settings it is advisable to remove it. To do so, follow the steps below. [Ask the Library](#) for help or questions about this service.

Steps for Removing the Proxy from your Browser:

Method 2: Pulse Secure
Pulse Secure provides access to library resources and secure JMU materials.

While connected, all network traffic to and from your computer is routed through JMU's network as if you were on-campus.

Features:

- Requires software install
- Login with eID, password and Duo
- Provides access to library resources and sensitive JMU files (e.g. N: drive)

Connect from Off-Campus with Pulse Secure

Start at the JMU Computing Website

<http://www.jmu.edu/computing/>

To Install, Use Pulse Secure

- Choose your platform for instructions:
- Windows
- Mac OSX
- iPad
- Android
- Windows Surface

Installation help with Pulse Secure can be found [here](#). You may also contact the IT Help Desk for questions or issues with Pulse Secure and/or Duo.



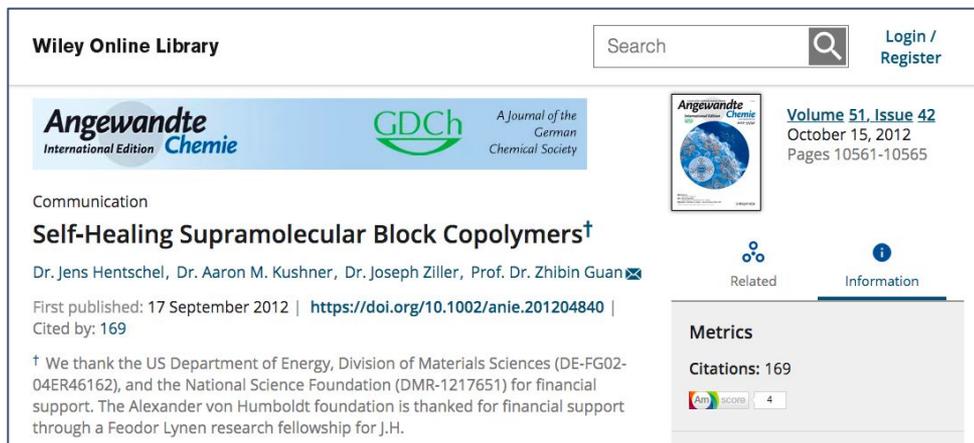
What does Seamless Access do?

Login placement and language inconsistent across sites



Springer Link » Sign up / Log in

Search



Wiley Online Library Search Login / Register

Angewandte Chemie *International Edition* **GDCh** *A Journal of the German Chemical Society*

Volume 51, Issue 42
October 15, 2012
Pages 10561-10565

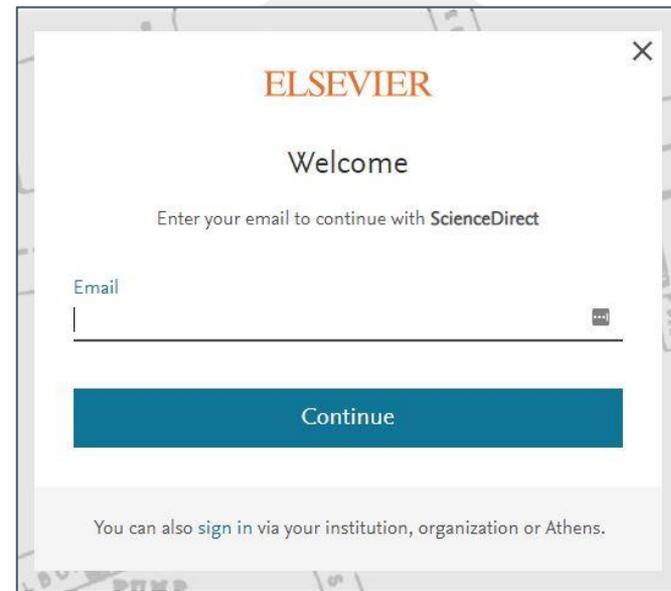
Communication
Self-Healing Supramolecular Block Copolymers[†]
Dr. Jens Hentschel, Dr. Aaron M. Kushner, Dr. Joseph Ziller, Prof. Dr. Zhibin Guan✉

First published: 17 September 2012 | <https://doi.org/10.1002/anie.201204840> | Cited by: 169

[†] We thank the US Department of Energy, Division of Materials Sciences (DE-FG02-04ER46162), and the National Science Foundation (DMR-1217651) for financial support. The Alexander von Humboldt foundation is thanked for financial support through a Feodor Lynen research fellowship for J.H.

Related Information

Metrics
Citations: 169



ELSEVIER

Welcome

Enter your email to continue with ScienceDirect

Email

You can also sign in via your institution, organization or Athens.

Authentication experience difficult to understand

Wiley Online Library Search

OpenAthens
Log in with Shibboleth

Federation

Select your region or federation ▼

- South African Identity Federation (SAFIRE)
- Spain - SIR
- Spain: Instituciones académicas (RedIRIS: SIR)
- Sweden - SWAMID
- Swiss Higher Education (SWITCHaail)
- U.S. - InCommon
- UK Higher Education
- US Higher Education (InCommon)
- Others

Log In

ELSEVIER ×

Find your institution

Enter your email or institution name to continue

Institutional email or name of institution ▶

Boston College

Boston College

Boston College

Boston University Wheelock College

Seamless Access Provides an Improved User Experience

Makes federated authentication (e.g. Shibboleth) easier to navigate

Preparation of Nonprecious Metal Electrocatalysts for the Reduction of Oxygen Using a Low-Temperature Sacrificial Metal

Talha Al-Zoubi, Yu Zhou, Xi Yin, Blanka Janicek, Chengjun Sun, Charles E. Schulz, Xiaohui Zhang, Andrew A. Gewirth, Pinshane Huang, Piotr Zelenay and Hong Yang*

✓ **Cite this:** *J. Am. Chem. Soc.* 2020, 142, 12, 5477-5481

Publication Date: March 2, 2020 ▾

<https://doi.org/10.1021/jacs.9b11061>

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Altmetric

2

Citations

-

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Access Through
Stanford University

More Access Options

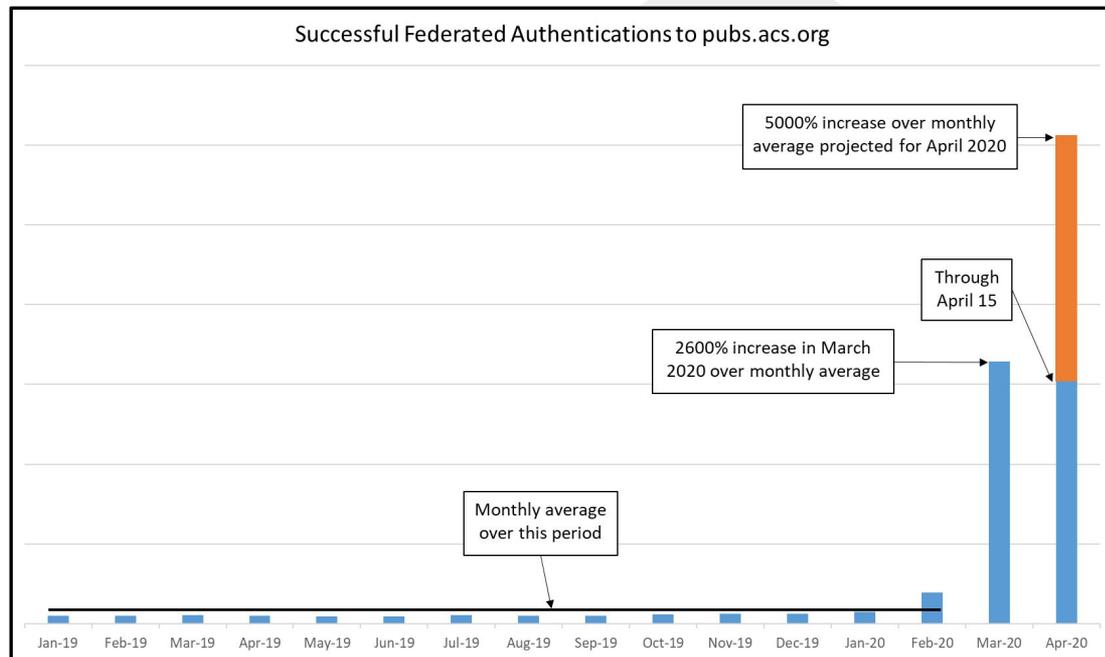
[Add or Change Institution](#)

Standard button design drives user recognition

Chosen institution is remembered for all future visits

ACS Publications' Experience

- ACS Publications deployed the Seamless Access user experience on March 1, 2020.
- Throughout March and April, ACS Publications significantly expanded institutions with federated access capability.





State of Seamless Access

When is Seamless Access?

December 2016 – June 2019

Piloting
phase RA21

July 2019 – December 2020

SeamlessAccess
Beta Phase
Operational

January 2021 - onwards

Full service
operational

Current State of Implementations

Live

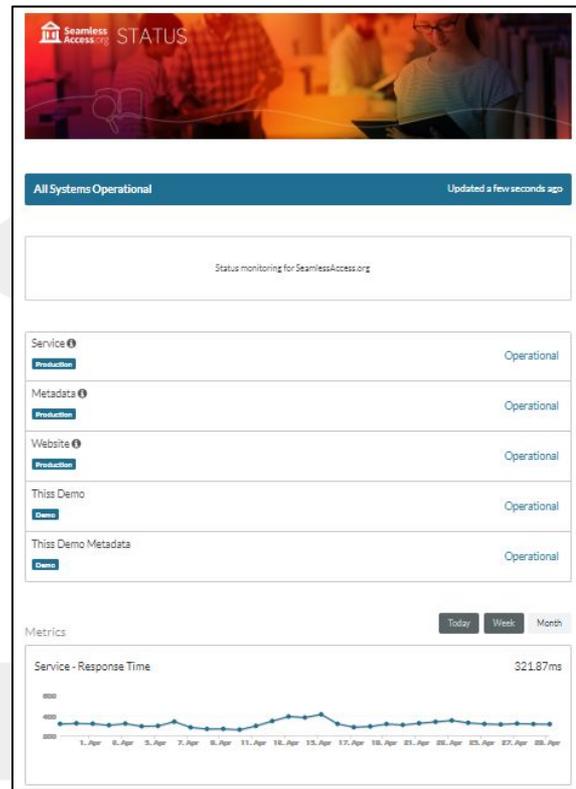
- ACS
- Elsevier ScienceDirect
- Springer Nature
- Wiley
- Atypon (enabler)

Committed & Upcoming

- Digital Science
- O'Reilly Media
- Taylor & Francis
- Elsevier Central
- DARIAH EU

Current Service Status

- Hosted via globally distributed CDN
- Monitoring and operations provided by SUNET (Swedish Academic Network Operator)
- Live status dashboard available at <https://status.seamlessaccess.org>





Seamless Access Activities

Proposed Entity Categories

Category	Use Case
Authentication Only	Service Providers who grant service access solely based on proof of successful authentication (completely anonymous)
Anonymous Authorization	Service Providers that grant service access based on proof of successful authentication AND which make authorization decisions based on affiliation and/or entitlement
Pseudonymous Authorization	Service Providers that grant service access based on proof of successful authentication AND which make authorization decisions based on affiliation, and/or entitlement, and offer personalization based on a pseudonymous user identifier

SPs may not combine more than one RAEC nor combine with the R&S entity category

Entity Category Next Steps

- The REFEDS Schema Editorial Board will manage a public consultation process
 - Public Comments closed Aug 31
 - Details at <https://seamlessaccess.org/posts/2020-07-08-entitycategories/>
- If approved, REFEDS will become custodians of the specs and NISO will endorse
- This work informs a new Seamless Access working group on Contract Language that will “define and promote language that may be used in contracts that include provisions for federated access.” This group is active now.

What we're working through

- T&Cs for Service Providers
- User Consent workflow
- Access to IdP choices prior to authentication
- Feature requests e.g. ability to customize list of IdPs





How can you participate?

Next steps for Service Providers

Visit <https://seamlessaccess.org/work>



THE SERVICE

ABOUT

GETTING STARTED

BLOG

Getting Started

SeamlessAccess.org supports a streamlined federated authentication experience when using scholarly collaboration tools, information resources, and shared research infrastructure through one's home institution, while maintaining an environment that protects personal data and privacy. The service aims to enable simple, trusted use of scholarly resources and service anytime, anywhere, and on any device.

The Steps

1

Gather
information and
plan

2

Select your
flavor

3

Implement the
service

4

Tell your users

5

Tell us about it

Contact us:

Heather Flanagan

contact@seamlessaccess.org



Next steps for Identity Providers / Libraries

- Plan for transition
 - Is SAML supported at your institution?
 - Privacy policies and attribute release
 - Working with IT
- Evaluate vended solutions
- Get involved



Next steps if you want to learn more

- Sign-up for our monthly email updates
- Join a working group

contact@seamlessaccess.org

<https://seamlessaccess.org/>

contact@seamlessaccess.org



thank you!



**Seamless
Access.org**

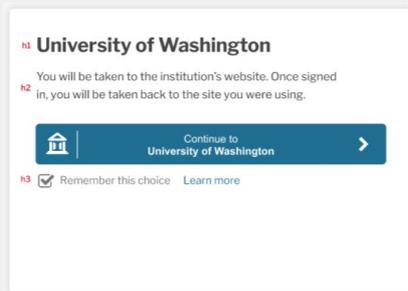


@seamlessaccess

Just-in-case slides



User Consent Workflows



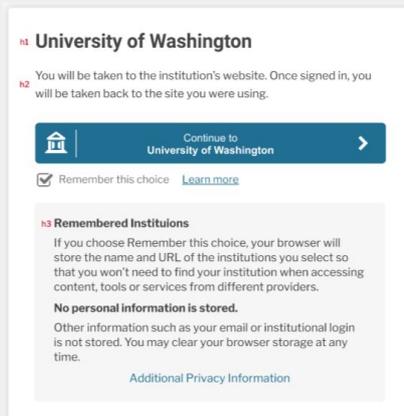
h1 University of Washington

h2 You will be taken to the institution's website. Once signed in, you will be taken back to the site you were using.

h3 Remember this choice [Learn more](#)

Continue to University of Washington

Un-check box to opt out



h1 University of Washington

h2 You will be taken to the institution's website. Once signed in, you will be taken back to the site you were using.

h3 Remember this choice [Learn more](#)

h3 Remembered Institutions

If you choose Remember this choice, your browser will store the name and URL of the institutions you select so that you won't need to find your institution when accessing content, tools or services from different providers.

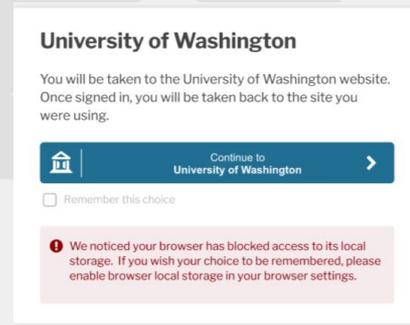
No personal information is stored.

Other information such as your email or institutional login is not stored. You may clear your browser storage at any time.

[Additional Privacy Information](#)

Continue to University of Washington

Click to 'Learn more'



University of Washington

You will be taken to the University of Washington website. Once signed in, you will be taken back to the site you were using.

Remember this choice

! We noticed your browser has blocked access to its local storage. If you wish your choice to be remembered, please enable browser local storage in your browser settings.

Continue to University of Washington

Access to local storage blocked