

# Research Discovery Through SHARE



**Research Data Access & Preservation Summit 2017**  
**Seattle, Washington**  
**April 19, 2017**

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Arizona State University

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Washington University in St. Louis



# SHARE

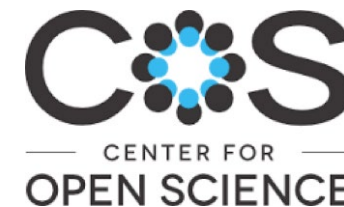
SHARE is a free, open dataset of research and scholarly activities across the research life cycle.

Funded by:



Alfred P. Sloan  
FOUNDATION

Built by:





# SHARE dataset



## 146+ data sources

Registries (e.g. CrossRef, DataCite)

Disciplinary repositories and preprint services

Data repositories

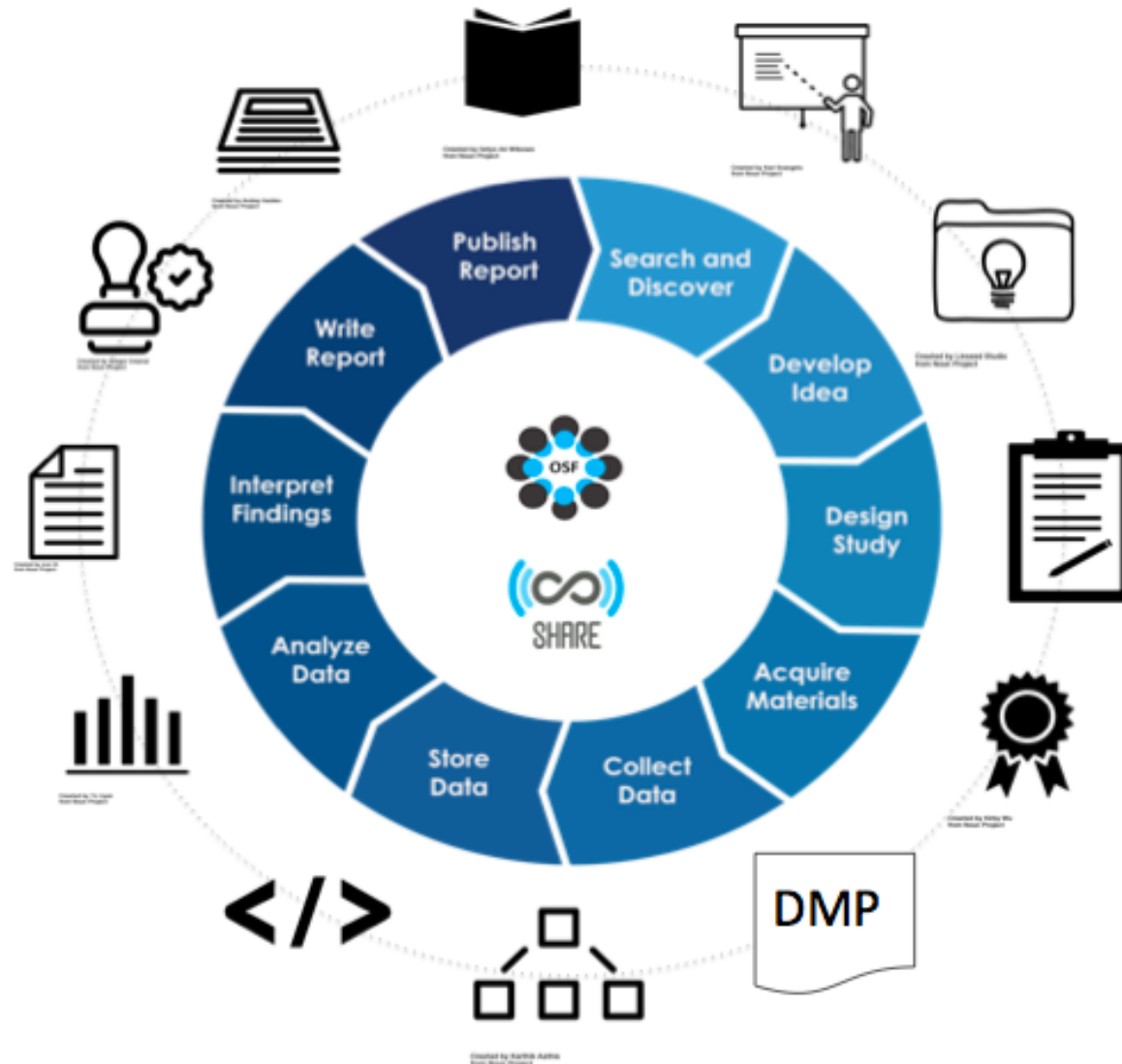
Institutional repositories

Agency repositories (e.g. DOE SciTech Connect)

## 24.6 million metadata records

<https://share.osf.io>

# Collecting the Research Lifecycle





## Meta(data) records by type

Dataset

Patent

Poster

Presentation

Publication

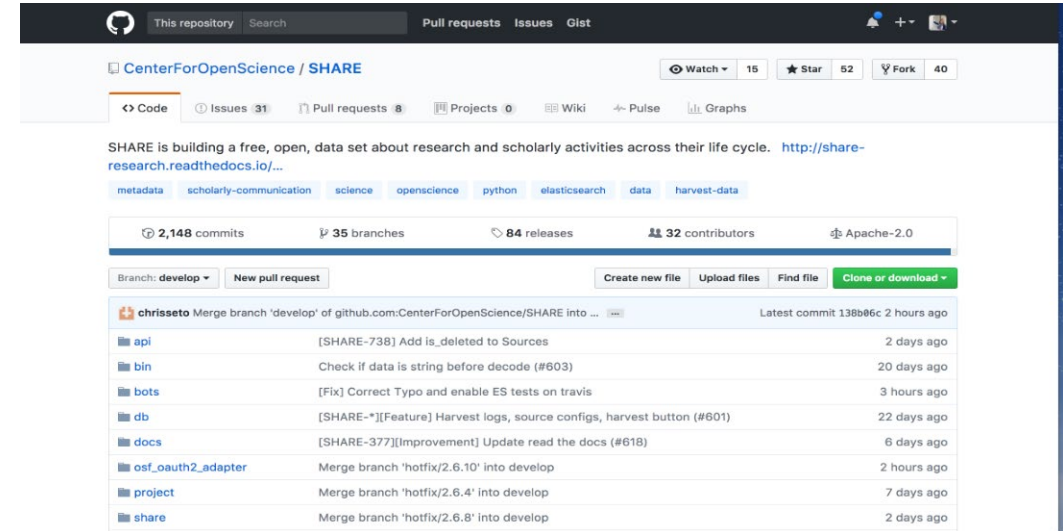
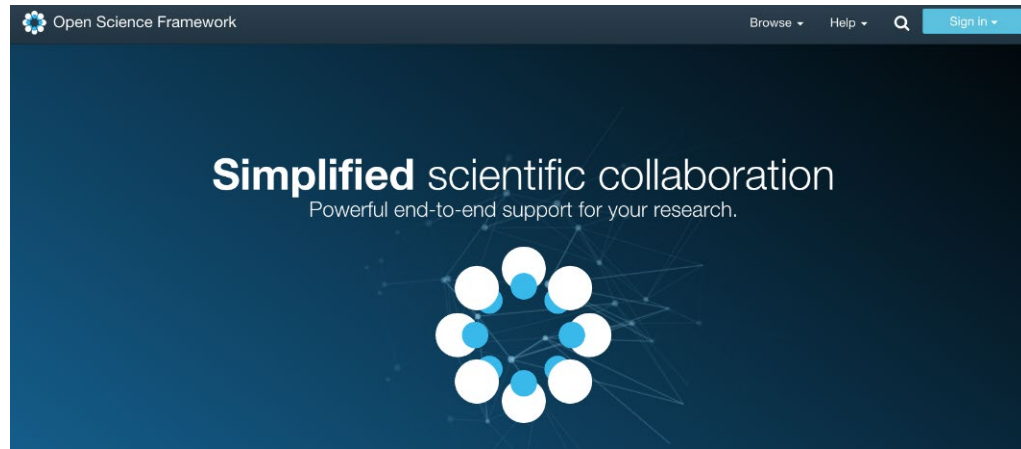
Repository

Retraction

Software



# Open science, open scholarship, open source

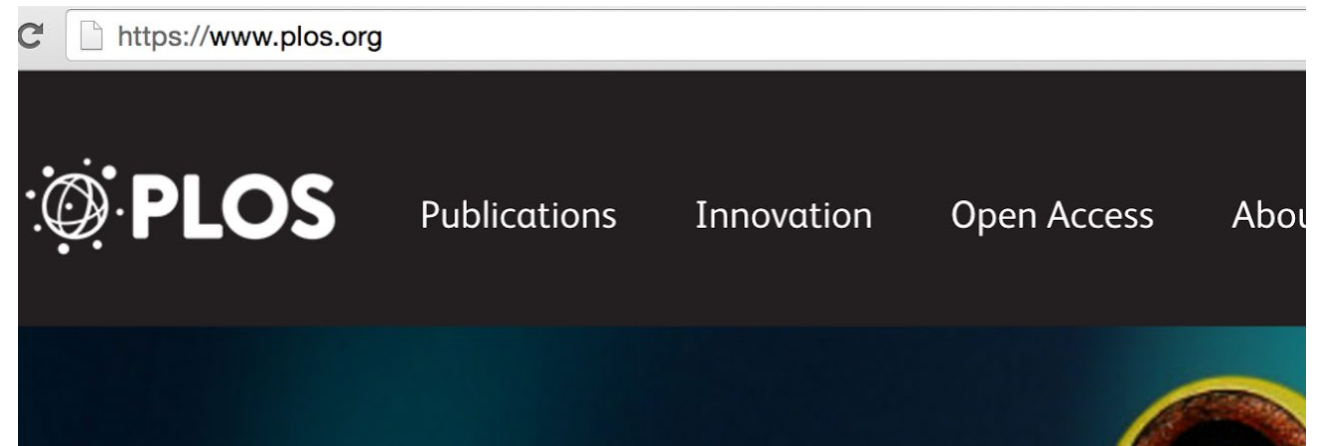


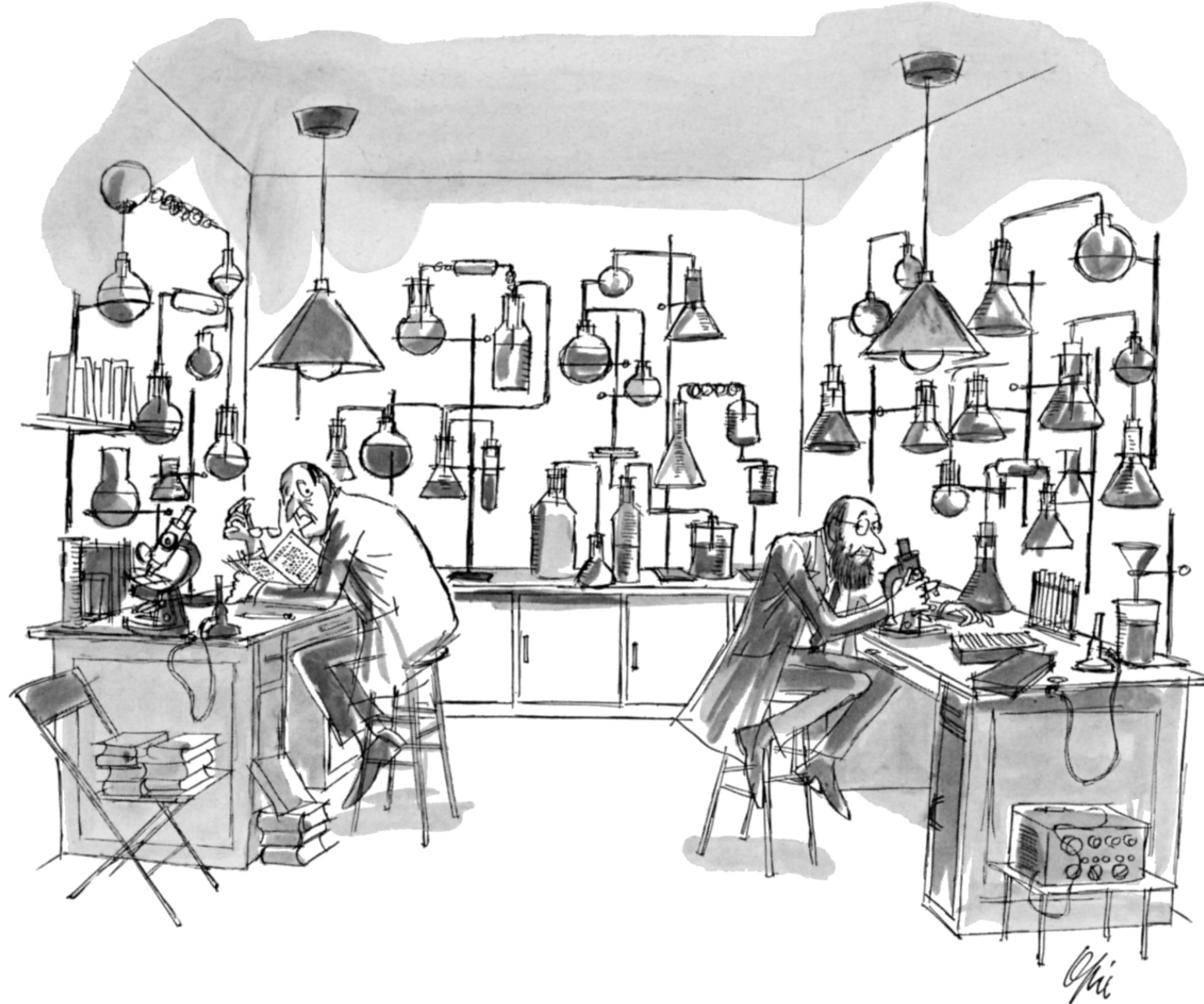
**MLA** COMMONS

GR

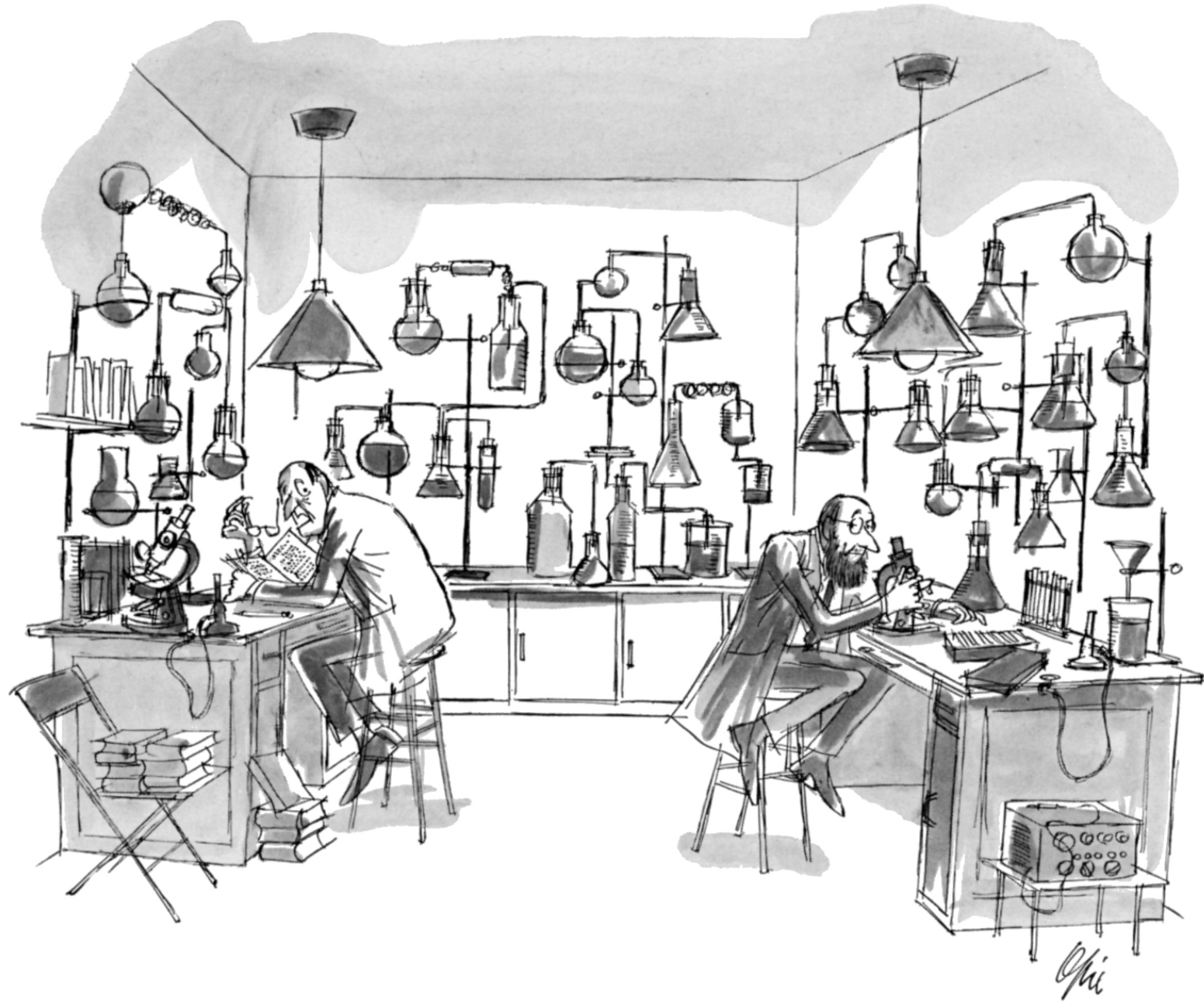
Welcome to *CORE!*

Welcome to the beta release of the *Commons Open Repository* and archiving digital work. *CORE* provides *MLA Commons* meml output, facilitating maximum discoverability and encouraging pe





*"I see by the current issue of 'Lab News,' Ridgeway, that you've been working for the last twenty years on the same problem I've been working on for the last twenty years."*

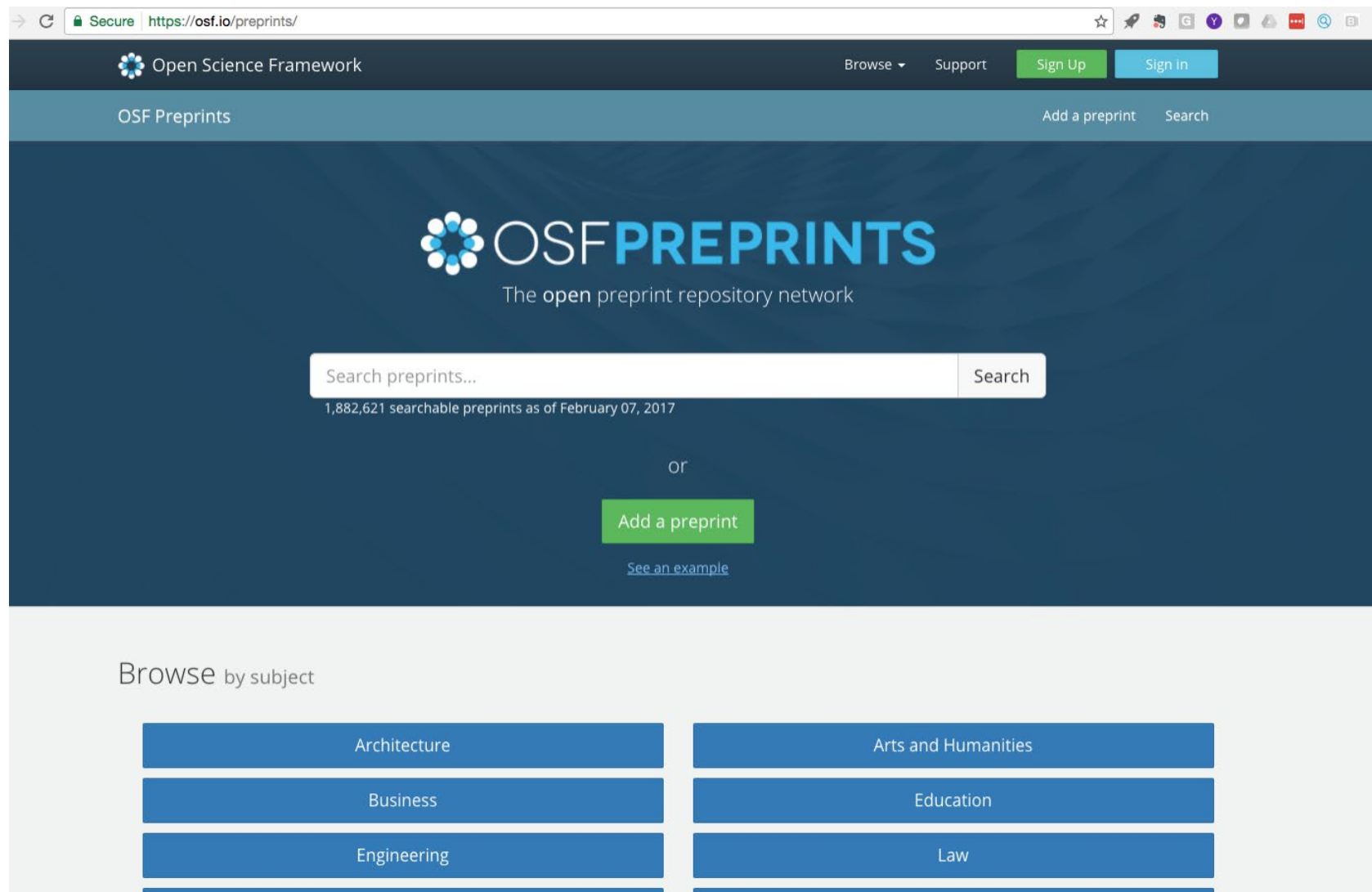


Everett Opie The New Yorker Collection/The Cartoon Bank, 1976

*"I see by the current issue of 'Lab News,' Ridgeway, that you've been working for the last twenty years on the same problem I've been working on for the last twenty years."*



# SHARE API powers new discovery services




The screenshot displays the OSF Preprints website interface. At the top, the browser address bar shows the URL <https://osf.io/preprints/>. The navigation bar includes the Open Science Framework logo, a 'Browse' dropdown menu, a 'Support' link, and 'Sign Up' and 'Sign in' buttons. Below this, the 'OSF Preprints' header features an 'Add a preprint' link and a search icon. The main content area has a dark blue background with the OSF Preprints logo and the tagline 'The open preprint repository network'. A search bar with the placeholder text 'Search preprints...' and a 'Search' button is present, with a note below it stating '1,882,621 searchable preprints as of February 07, 2017'. Below the search bar, there is an 'or' separator, an 'Add a preprint' button, and a link to 'See an example'. The bottom section, titled 'Browse by subject', lists several subject categories in blue buttons: Architecture, Business, Engineering, Arts and Humanities, Education, and Law.

Open Science Framework

Browse Support Sign Up Sign in

OSF Preprints Add a preprint Search

 **OSF PREPRINTS**  
The open preprint repository network

Search preprints... Search

1,882,621 searchable preprints as of February 07, 2017

or

Add a preprint

[See an example](#)

Browse by subject

- Architecture
- Business
- Engineering
- Arts and Humanities
- Education
- Law

Data and research output shared by the UC San Diego research community and indexed by SHARE.

[Read more](#)

e.g., Ocean



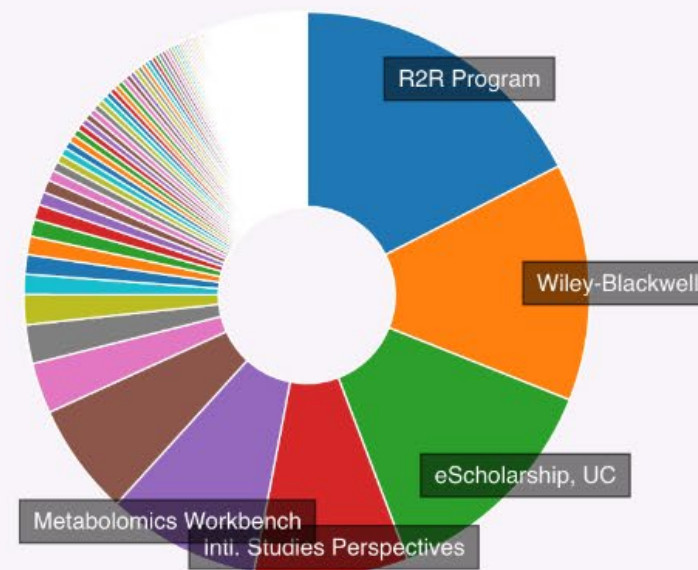
Total Results

12,361

Highlighted Collections

- 1 CAVEcam Virtual Reality Photography Collection
- 2 Data from: Carbonic Anhydrases, EPF2 and a Novel Protease Mediate CO2 Control of Stomatal Development
- 3 Heavy Metals in the Ocean Insect, Halobates
- 4 Keith Rayner Eye Movements in Reading Data Collection
- 5 Stack Gas and Plume Aerosol Measurements from Renewable Diesel and Ultra Low Sulfur Diesel in At-Sea Operation of Research Vessel Robert Gordon Sproul

Data Providers



Types



Top Contributors

1674	Scripps Institution of Oceanography
564	SIO Geological Data Center (GDC)
323	Global Change Data Center
252	DOC/NOAA/NESDIS/NODC > National Oceanographic Data Center, NESDIS
59	Ucsd Language And Development Lab
35	Argonne
28	University of California
21	Univ. of California

# Explore the latest research being performed in Arizona's best learning institutions:

[Advanced Search](#)

Searching 54,404 records with 77,620 contributors from  
36 research centers across 3 universities

## Recent Additions

Lithic technological responses to Late Pleistocene glacial cycling at Pinnacle Point Site 5-6, South Africa



A Low Gastric pH Mouse Model to Evaluate Live Attenuated Bacterial Vaccines



Males Under-Estimate Academic Performance of Their Female Peers in Undergraduate Biology Classrooms



Lrp Acts as Both a Positive and Negative Regulator for Type 1 Fimbriae Production in Salmonella enterica Serovar



## Popular This Week

Fremont Cottonwood Prelim RADSeq



Effects of Professional Mitigation in Cases Involving Illegal Sexual Behavior



Recipe for a Guaguancó Sabroso: Understanding Quinto Drum Improvisation in Cuban Rumba



Multilingualism, Identity, and Ideology in Popular Culture Texts: A Multimodal Critical Discourse Analysis



## Research News

ASU researchers taking bold steps toward engineering new lungs

ASU

June 2, 2015

NewSpace Initiative connects ASU with space industry

ASU

May 21, 2015

Professor named 'most creative person' by Fast Company for Ebola drug research

ASU

May 11, 2015

Auditory masked priming in Maltese spoken word recognition

**In Development**

Data and research output shared by the UC San Diego research community through SHARE.

[Read more](#)

Search for:



Total Results

10,347

Highlighted Collections

1 CAVE  
Collection

2 Data from: Carbonic Anhydrases, EPF2 and  
a Novel Protease M... CO<sub>2</sub> Control  
Stomat... develop...

3 Heavy Metals in the Ocean Insect: Halobates

4 Keith R... Eye  
Data Collection

5 Stack C... and Plus... Ag...  
Measurements from...  
Ultra Low Sulfur Diesel in At-Sea Operation  
of Research Vessel...  
of Research Vessel...  
of Research Vessel...

Data Providers

## Research Arizona (2.0)

- SHARE Technology
- Statewide Tri - University Effort
- Combined Data Dashboard
- Replaces stand alone website

Types

project: 32.83%

creative work: 27.53%

article: 16.72%

data set: 10.32%

Top Contributors

1674 Scripps Institution of Oceanography

[View on SHARE](#)



Get more information

[www.share-research.org/updates](http://www.share-research.org/updates)

@SHARE\_Research

Get involved!

[info@share-research.org](mailto:info@share-research.org)