

SHARE and the Open Science Framework

Sara Bowman, Center for Open Science
Judy Ruttenberg, Association of Research Libraries

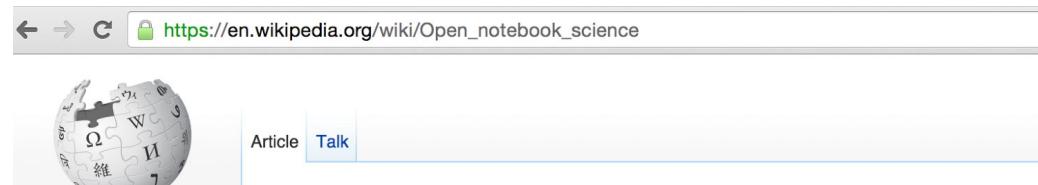
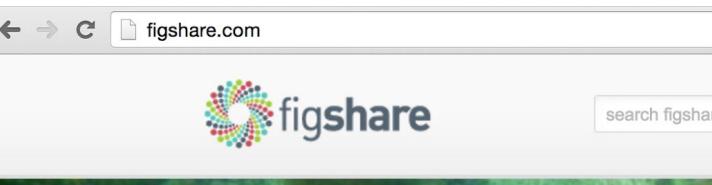
Charleston 2015

Open science and open scholarship



What do we mean when we talk
about open scholarship?

Open science and open scholarship

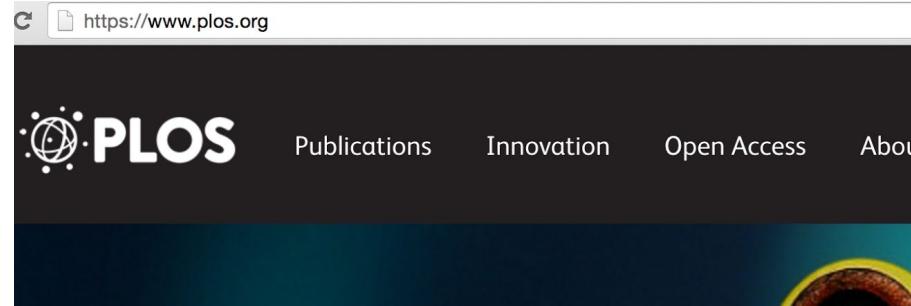


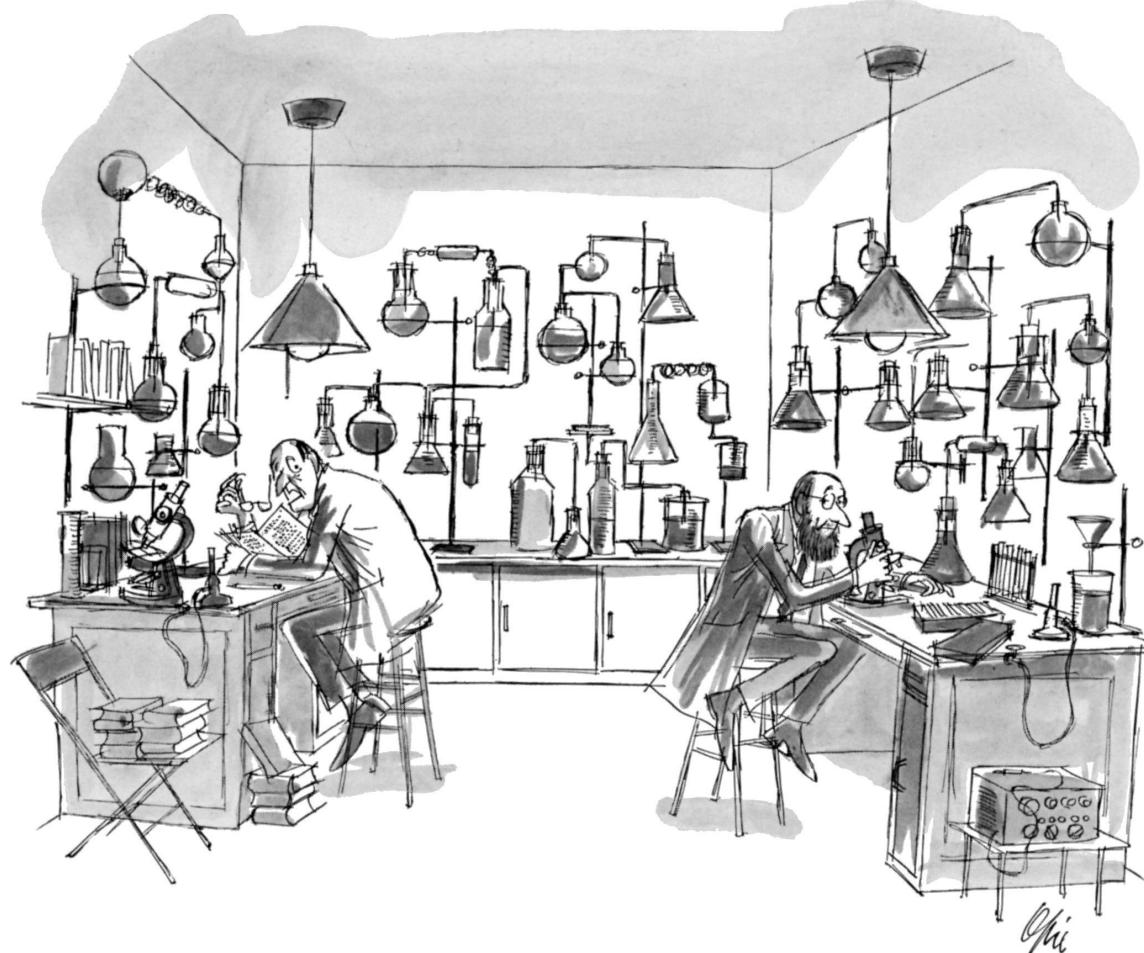
What do we know about open scholarship?



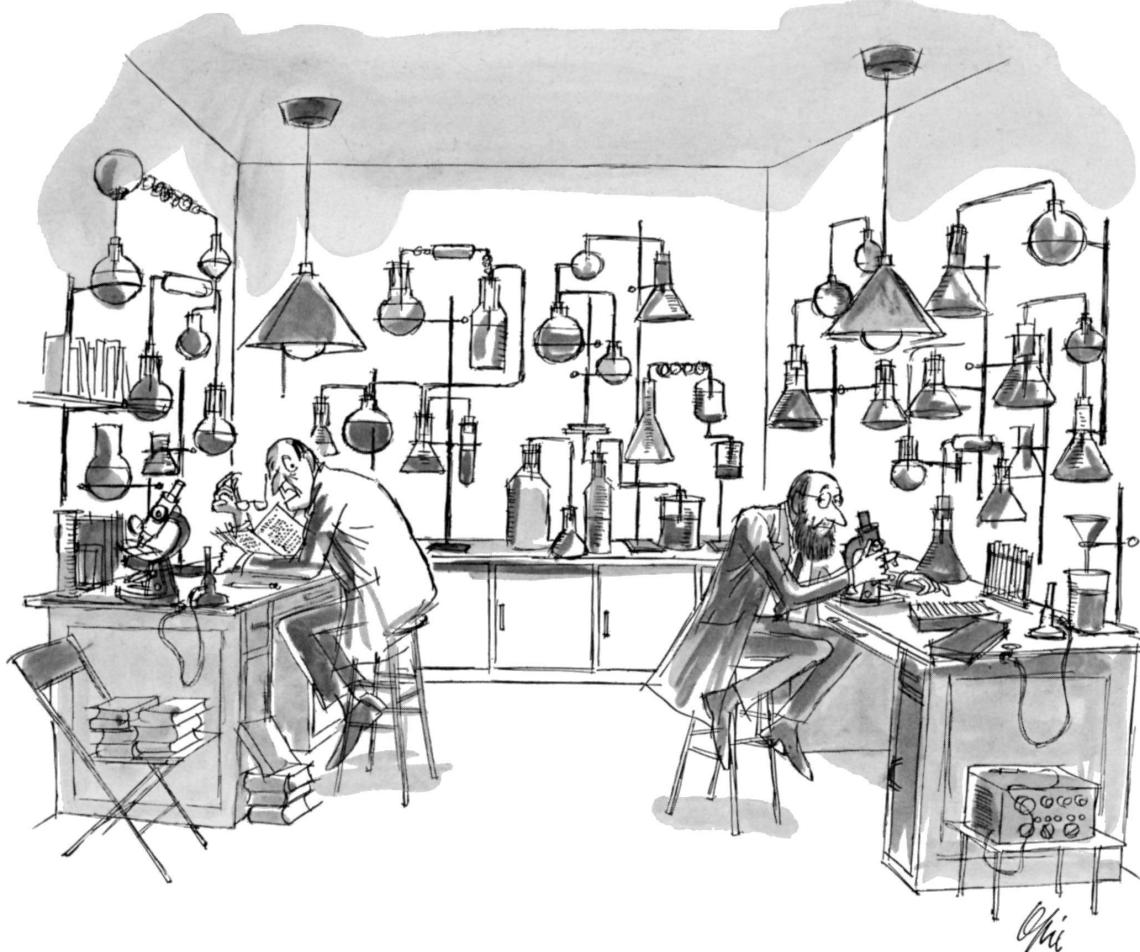
Welcome to CORE!

Welcome to the beta release of the *Commons Open Repository* and archiving digital work. *CORE* provides *MLA Commons* members with maximum discoverability and encouraging peer





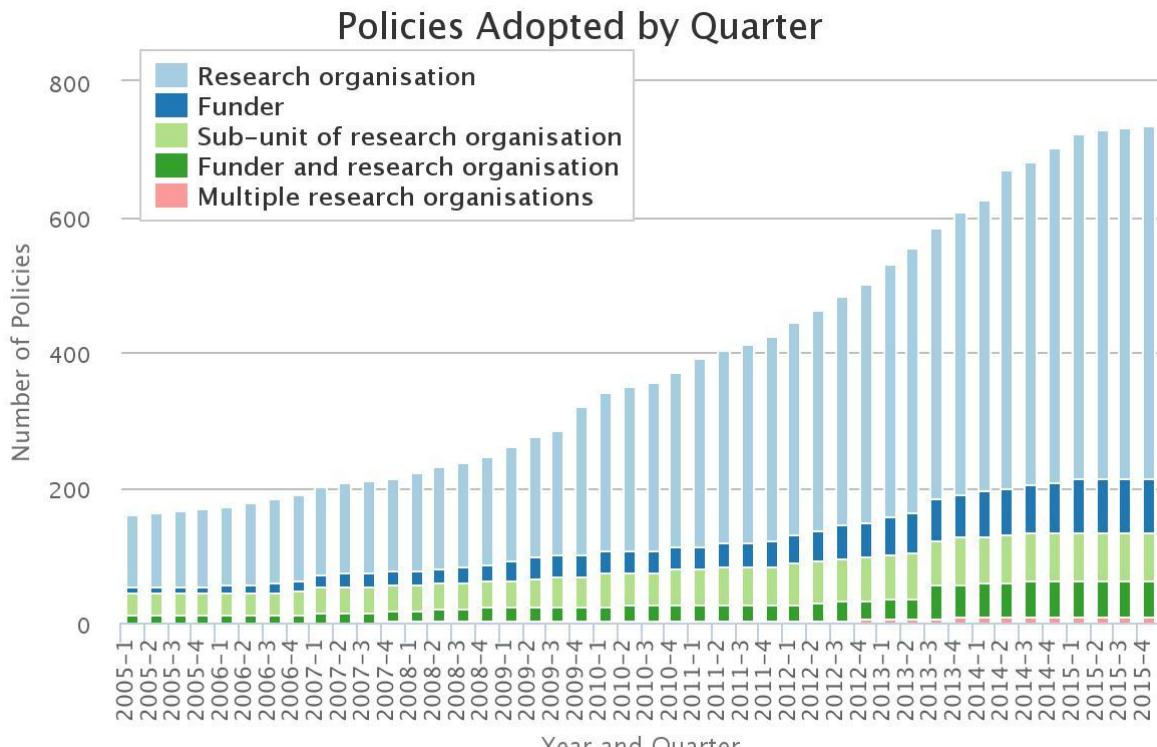
"I see by the current issue of 'Lab News,' Ridgeway, that you've been working for the last twenty years on the same problem I've been working on for the last twenty years."



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."

Rise of open & public access policies



<http://roarmap.eprints.org/>

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF SCIENCE AND TECHNOLOGY POLICY
WASHINGTON, D.C. 20502

February 22, 2013

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: John P. Holdren
Director

SUBJECT: Increasing Access to the Results of Federally Funded Scientific Research

1. Policy Principles

The Administration is committed to ensuring that, to the greatest extent and with the fewest constraints possible and consistent with law and the objectives set out below, the direct results of federally funded scientific research are made available to and useful for the public, industry, and the scientific community. Such results include peer-reviewed publications and digital data.

Scientific research supported by the Federal Government catalyzes innovative breakthroughs that drive our economy. The results of that research become the grist for new insights and are assets for progress in areas such as health, energy, the environment, agriculture, and national security.

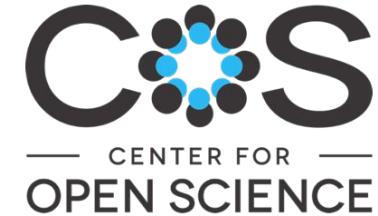
Access to digital data sets resulting from federally funded research allows companies to focus resources and efforts on understanding and exploiting discoveries. For example, open weather data underpins the forecasting industry, and making genome sequences publicly available has spawned many biotechnology innovations. In addition, wider availability of peer-reviewed publications and scientific data in digital formats will create innovative economic markets for services related to curation, preservation, analysis, and visualization. Policies that mobilize these publications and data for re-use through preservation and broader public access also maximize the impact and accountability of the Federal research investment. These policies will accelerate scientific breakthroughs and innovation, promote entrepreneurship, and enhance economic growth and job creation.

The Administration also recognizes that publishers provide valuable services, including the coordination of peer review, that are essential for ensuring the high quality and integrity of many scholarly publications. It is critical that these services continue to be made available. It is also important that Federal policy not adversely affect opportunities for researchers who are not funded by the Federal Government to disseminate any analysis or results of their research.

To achieve the Administration's commitment to increase access to federally funded published research and digital scientific data, Federal agencies investing in research and development must have clear and coordinated policies for increasing such access.

Highcharts.com

SHARE: Founded by academic leaders, built with open technology



Research universities are long-lived and are mission-driven to generate, make accessible, and preserve over time new knowledge and understanding.

What is research funding for?

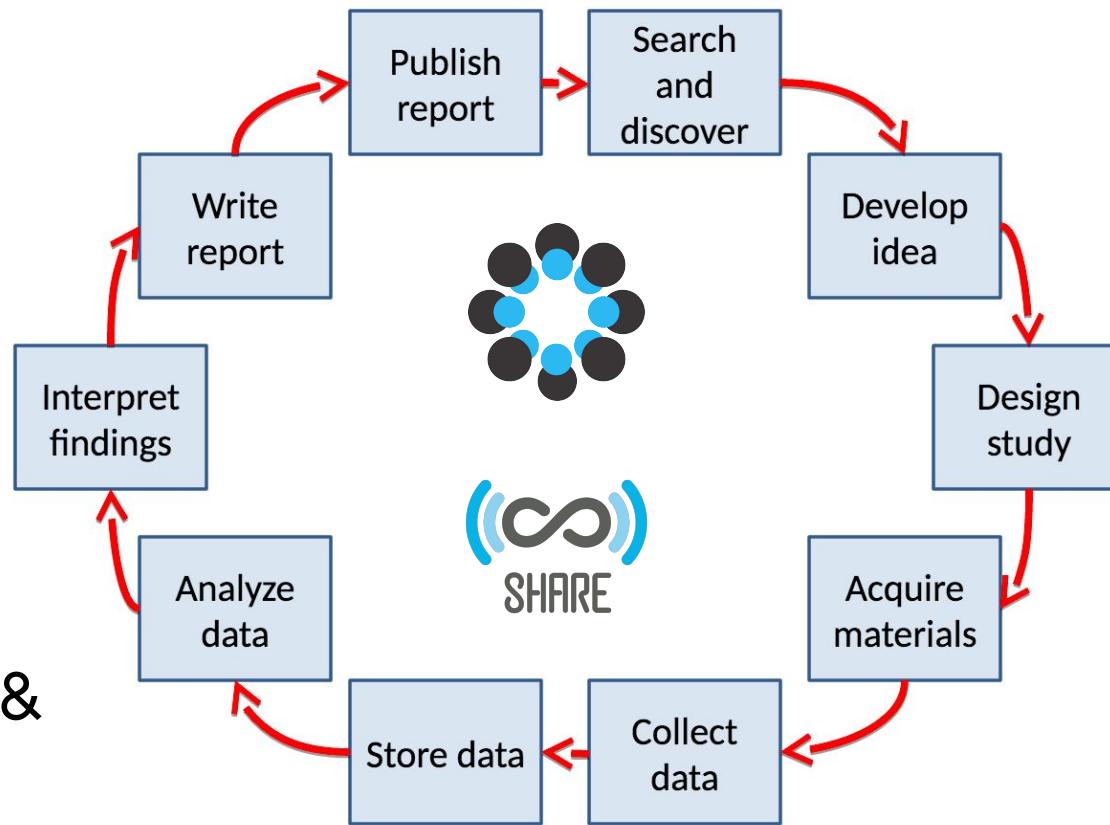
- ~~To produce scholarly journal articles~~
- To prevent or cure disease
- To eradicate poverty
- To create new knowledge

We need to tell a more complete story to maximize research funding and impact

Research life cycle

Preserve scholarly record

Build
research
library
collections &
services



Expose research results faster

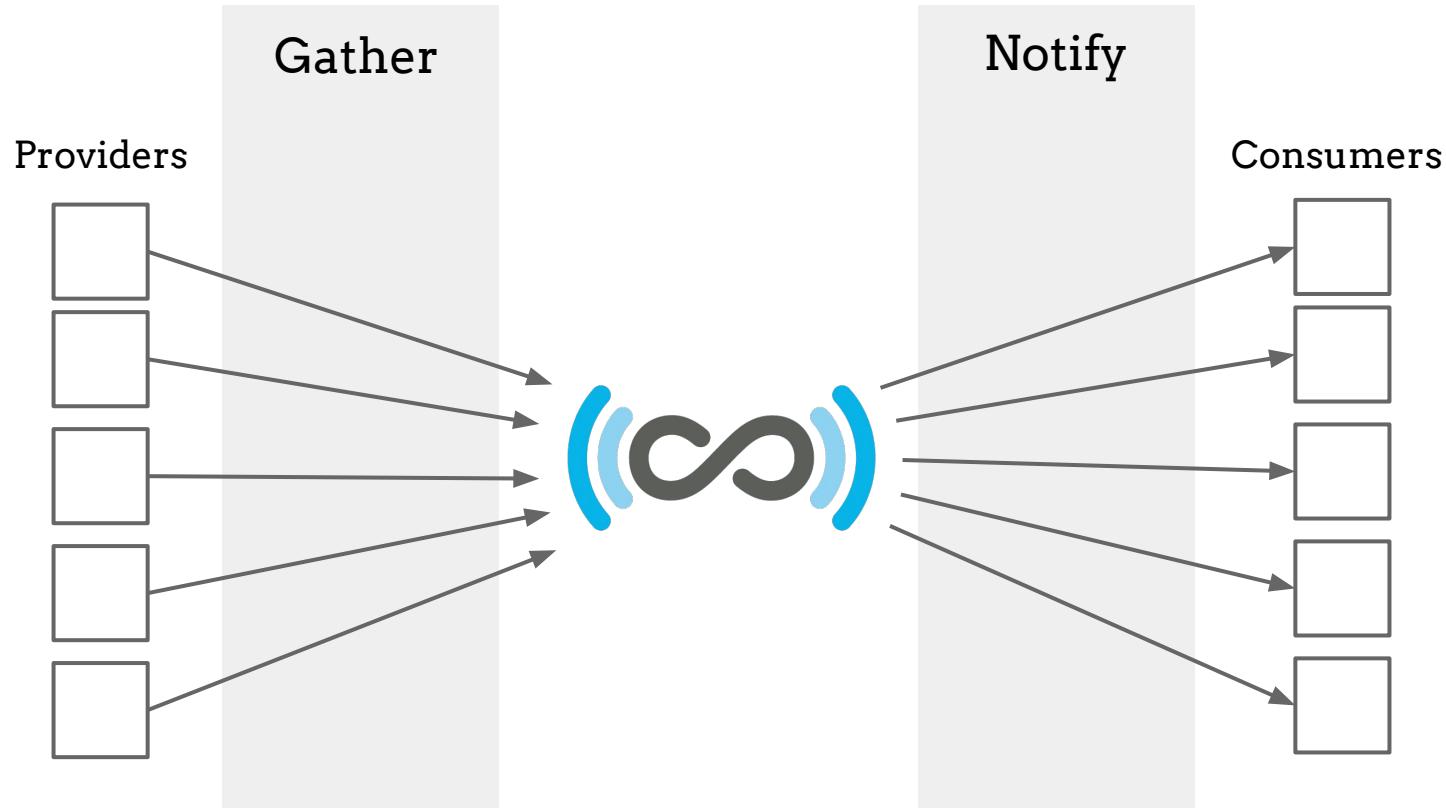
Optimize workflow

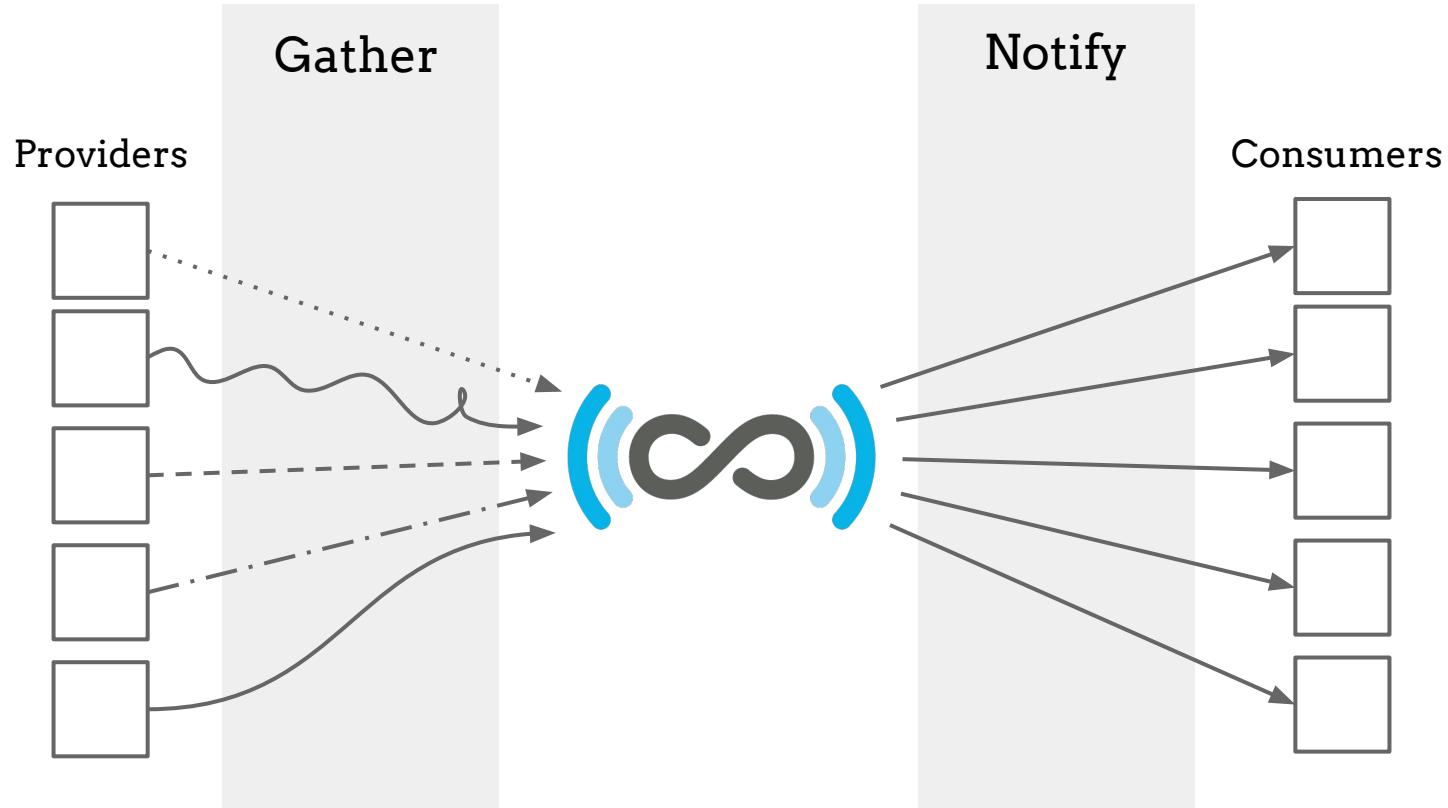
SHARE

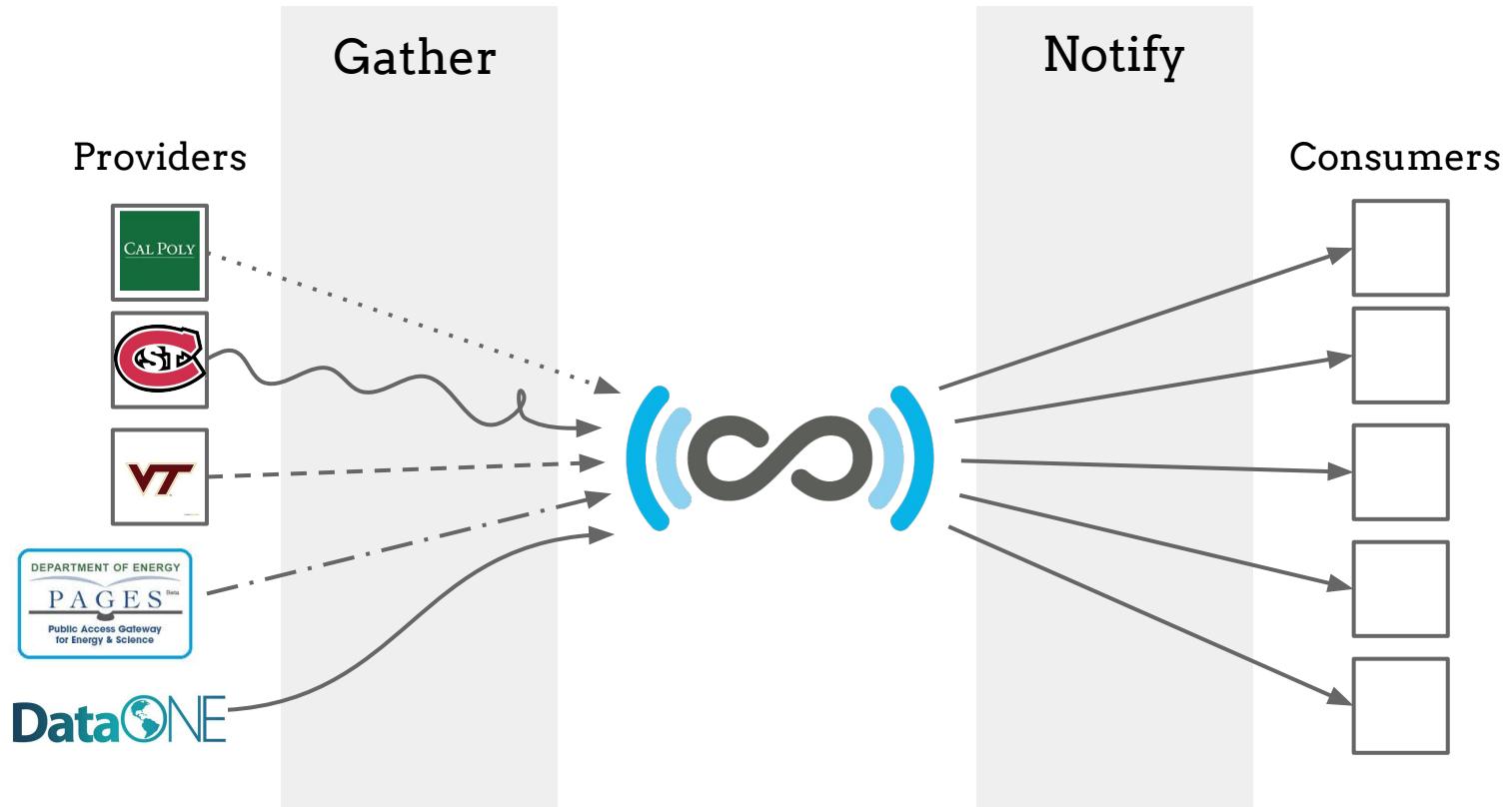
SHARE is building a free, open data set about research and scholarly activities across their life cycle.



Alfred P. Sloan
FOUNDATION









Notice: this is a public beta release

Search



2,470,867 events as of Sat Oct 31
2015

64 content providers

 Arizona State University Digital Repository

 ArXiv

 Biodiversity Heritage Library OAI Repository

 BioMed Central

 Calhoun: Institutional Archive of the Naval Postgraduate School

 Harvard DataVerse

 Huskie Commons @ Northern Illinois University

 Inter-University Consortium for Political and Social Research

 Iowa Research Online

 Open Science Framework

- → C https://osf.io/share/registration/    

 Open Science Framework Browse ▾ Help ▾  Sign in ▾



To include your organization's publications, data, repository holdings, or other research in
[SHARE](#), please register here.

[Register as a Provider](#)

2,467,358 research events and counting

Questions or feedback? Contact us at share-support@osf.io



This repository Search

Pull requests Issues Gist



CenterForOpenScience / scrapri

Unwatch 7

Unstar 10

Fork 30

A data processing pipeline that schedules and runs content harvesters, normalizes their data, and outputs that normalized data to a variety of output streams. This is part of the SHARE project, and will be used to create a free and open dataset of research (meta)data. Data collected can be explored at <https://osf.io/share/>, and viewed at <https://...>

3,518 commits

11 branches

35 releases

20 contributors



Branch: develop

scrapri / +

Code

Issues 19

Pull requests 12

Wiki

Pulse

Graphs

SSH clone URL

git@github.com:Cer



You can clone with HTTPS, SSH, or Subversion.

Clone in Desktop

Download ZIP

Merge pull request #383 from erinspace/feature/readme_update ...

fabianvf authored 23 hours ago

latest commit 4468986eea



img/favicons Merge remote-tracking branch 'fabianvf/develop' into develop 9 days ago

scrapri Merge pull request #382 from CenterForOpenScience/feature/random-impr... 5 days ago

tests fix authors list cleaning algorithm; compatible with multiple dois; s... 7 days ago

.codeclimate.yml add codeclimate configuration file 4 months ago

.coveragerc fix authors list cleaning algorithm; compatible with multiple dois; s... 7 days ago

.gitignore Add sublime files to gitignore 13 days ago

.travis.yml Python 3.5 is out 12 days ago

SHARE Phase II objectives

- Enhance metadata collected from existing providers (60+)
- Expand the number and variety of providers
- Look for opportunities for institutional use and integration

Open Science Framework



Open Science Framework

Browse ▾

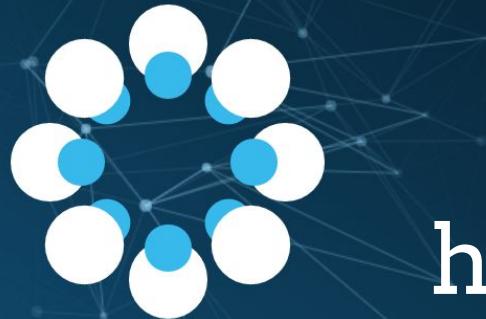
Help ▾



Sign in ▾

Simplified scientific collaboration

Powerful end-to-end support for your research.

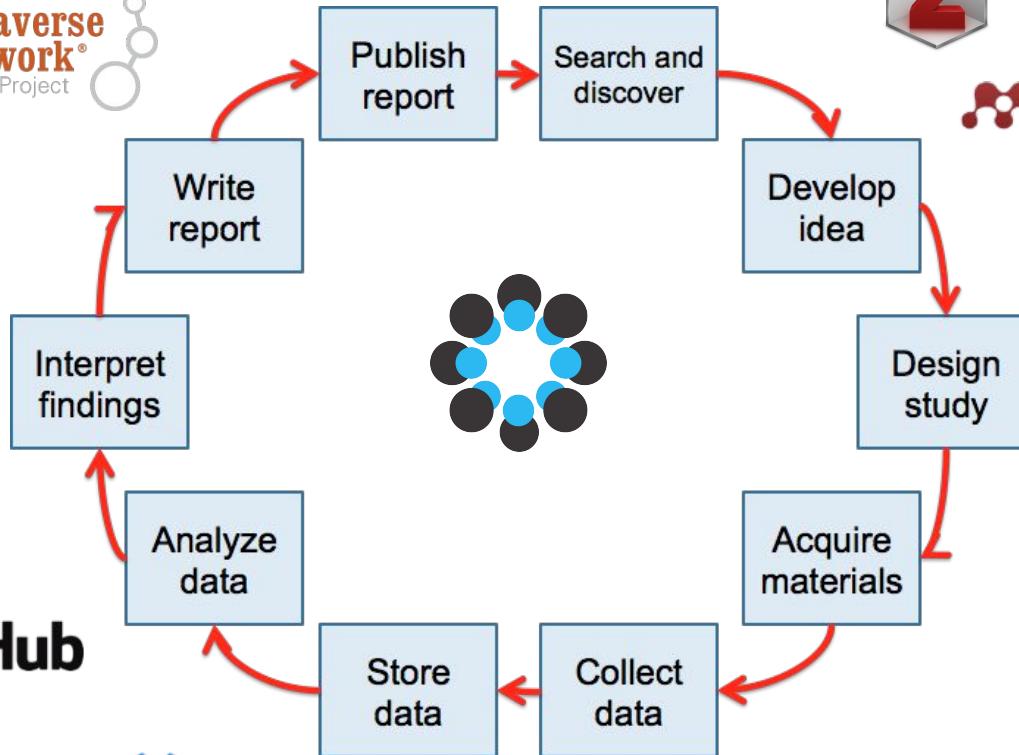


<https://osf.io>

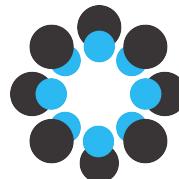


The
Dataverse Network®
Project

GitHub



MENDELEY



Google Drive



box

NeuroVault

zenodo



OJS
Open Journal Systems

Ju[ubiquity press
open scholarship

VIVO
connect • share • discover



Write report

Publish report

Search and discover

Develop idea

Interpret findings

Design study

Analyze data

Acquire materials

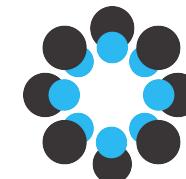


GitLab



Bitbucket

GitHub



Store data

Collect data

Dropbox

amazon
aws™

ownCloud

OneDrive

box

Google Drive

Galaxy

PsychoPy
Psychology software in Python

OpenSesame

DMPTool



EVERNOTE

NeuroVault

zenodo



Google docs



GitLab



Bitbucket



GitHub



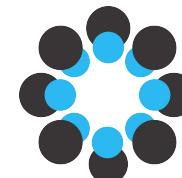
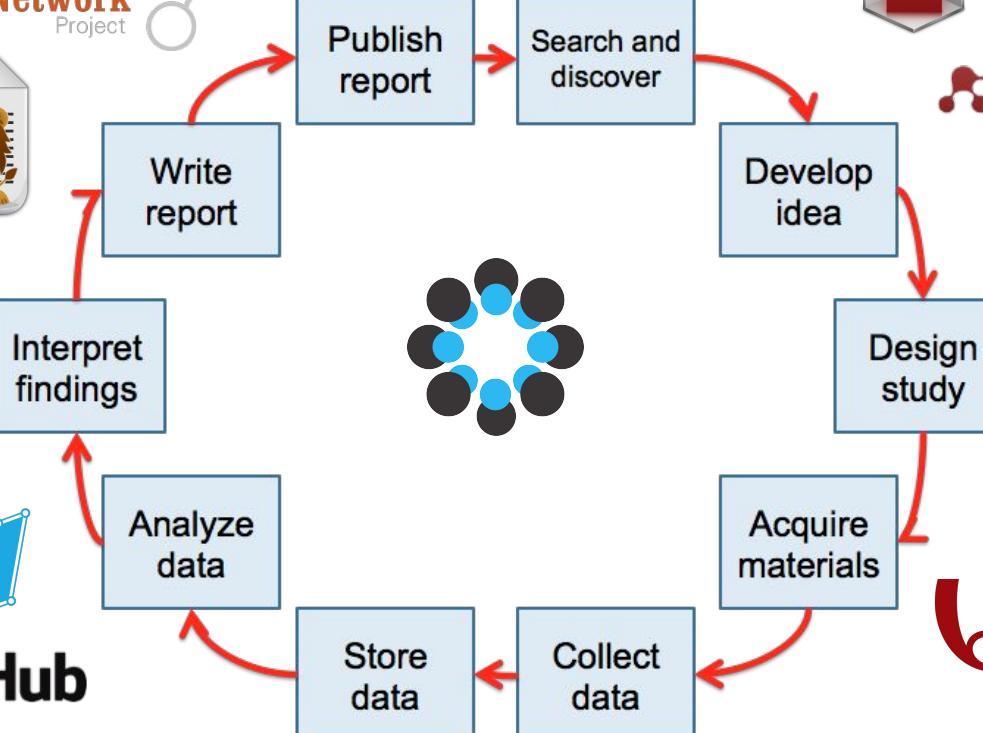
OneDrive



Amazon
web services™



Ju[ubiquity press
open scholarship



EVERNOTE



OpenSesame



SurveyMonkey

Institutional Views



Open Science Framework

Home Browse Help ⚙️ Clair Patterson 🌐

3ie International Initiative for Impact Evaluation

A paragraph of text submitted by 3ie. Things about them, things about their projects.
Their contact person perhaps.

<https://www.3ieimpact.org>

Create project allows users to create a project affiliated with this institution. How do we authenticate?

Information icon takes you to the context information for this item.

Filter list

Collections	Title	Contributors	Last Edited
Dashboard	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
All Projects	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Evidence Gap Maps	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Impact Evaluations	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Policy Briefs	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Filter by tags	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Biology 21	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Science Journal 19	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Reproducibility 8	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Health sciences 5	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
More 13	>Lorem Ipsum Dolor Sit Amet	Joan Ovark, Henry Deforth and 5 more	2015-12-12 5:00
Filter by contributors	Joan Ovark 12		
	Henry Deforth 8		
	Leo Nordivinci 2		
	More 3		

Create Project

Information icon takes you to the context information for this item.

Lorum Ipsum Dolor Sit Amet

Tags: Health science | Biology

Contributors: Joan Ovark, Henry Deforth, Miles Davis, Joe Monona

Jump to: [Files](#), [Wiki](#), [Settings](#)

Recent Activity

Clair Patterson worked on the project Something Else to do
2015-08-17 09:23:12

Clair Patterson worked on the project Something Else to do
2015-08-17 09:23:12

Clair Patterson worked on the project Something Else to do
2015-08-17 09:23:12

Clair Patterson worked on the project Something Else to do
2015-08-17 09:23:12

Clair Patterson worked on the project Something Else to do
2015-08-17 09:23:12

TOP Guidelines

Transparency and Openness Promotion

Low barrier to entry

Modular

Agnostic to discipline

TOP Guidelines

1. Data citation
2. Design transparency
3. Research materials transparency
4. Data transparency
5. Analytic methods (code) transparency
6. Preregistration of studies
7. Preregistration of analysis plans
8. Replication

TOP Guidelines Signatories

Journals, Organizations, Funders



525+ journals
50+ organizations

AGU
American Geophysical Union



WILEY



PLOS



The
Dataverse
Project



Making Behaviors Visible Promotes Adoption



Psychological SCIENCE

Research, Theory, & Application in Psychology and Related Sciences

A Journal of the Association for Psychological Science



Open Data



Open Materials



Preregistered

Click here
for more
information

This Week in *Psychological Science* (TWiPS)



The links below take you to the journal via the APS website. If not already logged in, you will be redirected to log-in using your last name (Nosek) and Member ID (16341).

[Inferring Character From Faces: A Developmental Study](#)

Emily J. Cogsdill, Alexander T. Todorov, Elizabeth S. Spelke, and Mahzarin R. Banaji



Trustworthiness



Dominance

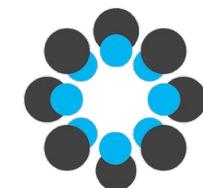


Competence

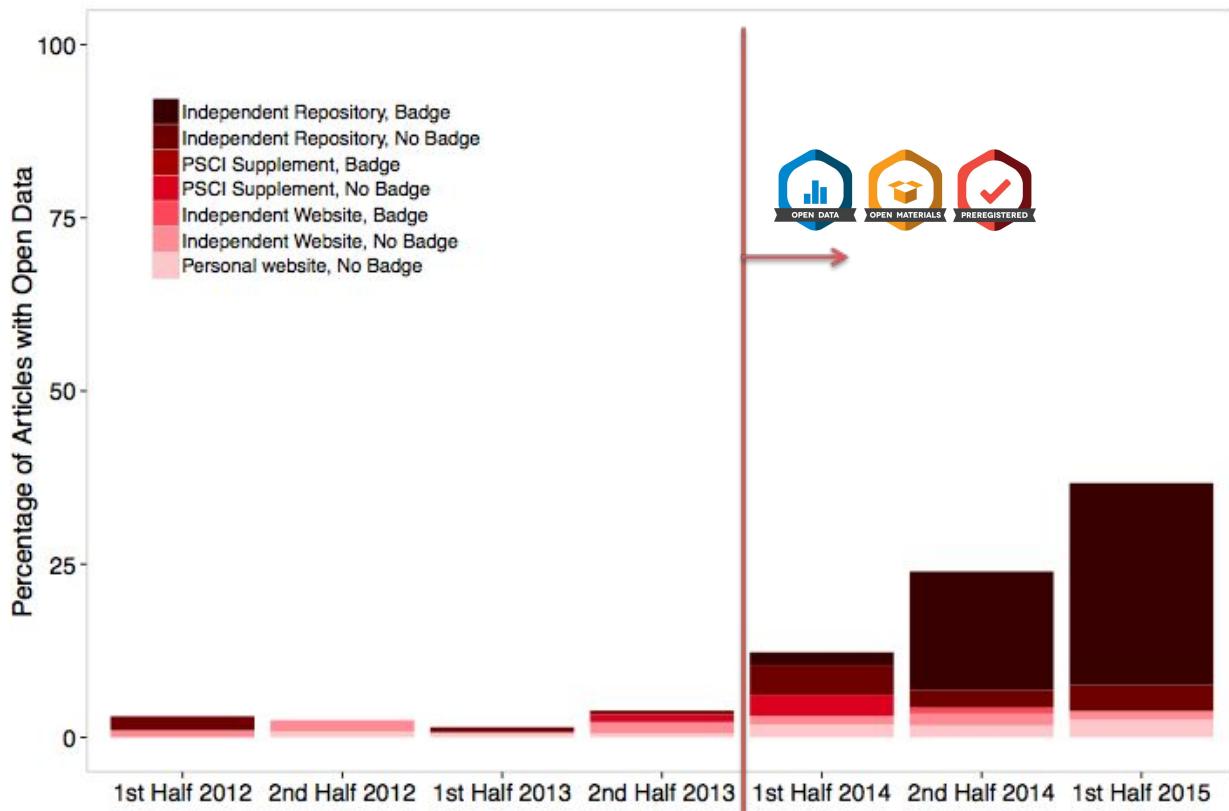


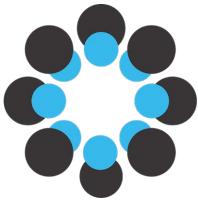
Adults automatically and intuitively make character assessments about people from looking at their faces. Does this ability emerge early in life, or is it something that gradually develops across childhood? Adults and children (ages 3 to 10) were shown pairs of faces with features generated to portray high or low levels of trustworthiness, dominance, or competence. The participants were asked to indicate which of the two faces possessed the respective trait. Children as young as 3 to 4 made reliably consistent inferences about character based on facial characteristics. By age 7, their inferences showed a level of consensus matching that seen in adults, suggesting that the ability to make face-to-trait inferences arises early in life and does not require a prolonged period of social experience to reach an adult level.

Come listen to Mahzarin R. Banaji give the Fred Kavli Keynote Address "[Group Love: How the Mind Creates 'Us' and 'Them'](#)" at the [26th APS Annual Convention](#) in San Francisco, CA, USA.



Case Study: Psychological Science





info@share-research.org
contact@cos.io

The screenshot shows the Open Science Framework (OSF) interface. At the top, there's a navigation bar with links for 'My Dashboard', 'Browse', 'Help', 'Search', a user profile for 'Sara Bowman', and settings. Below the navigation is a main content area. In the center, there's a presentation slide with the title 'Bowman.Ruttenberg.Charleston.2015.11.05.pdf'. On the left, a sidebar titled 'Component: Presentations' lists several files, including 'OSF Storage' and 'Bowman.Ruttenberg.Charleston.2015.11.05.pdf'. To the right of the slide, there are buttons for 'Delete', 'Check out', 'Share', 'Download', 'View', and 'Revisions'. The slide itself features the SHARE logo and the text 'SHARE and the Open Science Framework'.

Bowman.Ruttenberg.Charleston.2015.
11.05.pdf

Component: Presentations

- OSF Storage
- Bowman.ACS.2015.08.17.pptx
- Bowman.LJAF.2015.04.22.pdf
- Bowman.Ruttenberg.Charles...**
- Bowman.SSP.2015.05.29.pptx
- Bowman.STM.2015.04.22.pdf
- Cohoon.Sallans.BITSS.2013.1...
- geiger.intern_orientation.2015...
- geiger.pycon.2015.04.10.pdf
- Mellor_TransparencyFedEvals...
- Nosek.AAS.2015.05.11.pptx
- Nosek.AMS.2013.06.10.pptx

Page: 1 of 29

SHARE and the Open Science Framework

Sara Bowman, Center for Open Science
Judy Ruttenberg, Association of Research Libraries

Find these slides:
<https://osf.io/e92ub>