

Wright State University

CORE Scholar

Open Access Symposium

Wright State University/Cleveland State
University 2014 Joint Open Access Symposium

Oct 22nd, 2:45 PM - 3:45 PM

SHARE (SHared Access Research Ecosystem) Keynote

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SHARE: A HIGHER EDUCATION SOLUTION

Caroline Whitacre
Vice President for Research
The Ohio State University



SHARED ACCESS RESEARCH ECOSYSTEM

- The OSTP memorandum of February 2013.
- John Holdren directed each Federal agency with >\$100m in federally funded research to develop a draft plan for the public access of peer-reviewed publications and digital data within 6 months.

SHARED ACCESS RESEARCH ECOSYSTEM

- Those 23 draft plans were developed and are starting to be made public
- Possible mechanisms for complying with directive:
 - Expansion of existing NIH PMC
 - Individual institutional approach(at PI level)
 - Publishers system (CHORUS)
 - **Consortium of higher education institutions**

SHARED ACCESS RESEARCH ECOSYSTEM

- A partnership of higher education associations: AAU, APLU, ARL
- A community-facing initiative involving IT professionals, librarians, research officers, digital repository managers, scholarly societies, publishers, private funders, and more

FORMATION AND CONTEXT OF SHARE

- Steering group formed to plan the SHARE project – fall 2013
- Composed of librarians, IT experts, reps from AAU, APLU and a research officer
- Working groups formed for technical, repository community, workflow, rights and communications

PROBLEM STATEMENT

- Difficult to keep abreast of the release of publications, datasets, and other research outputs
- No single, structured way to report research output releases in timely and ubiquitous manner
- My personal concern: multiple sets of rules researchers have to abide which differ by funding agency

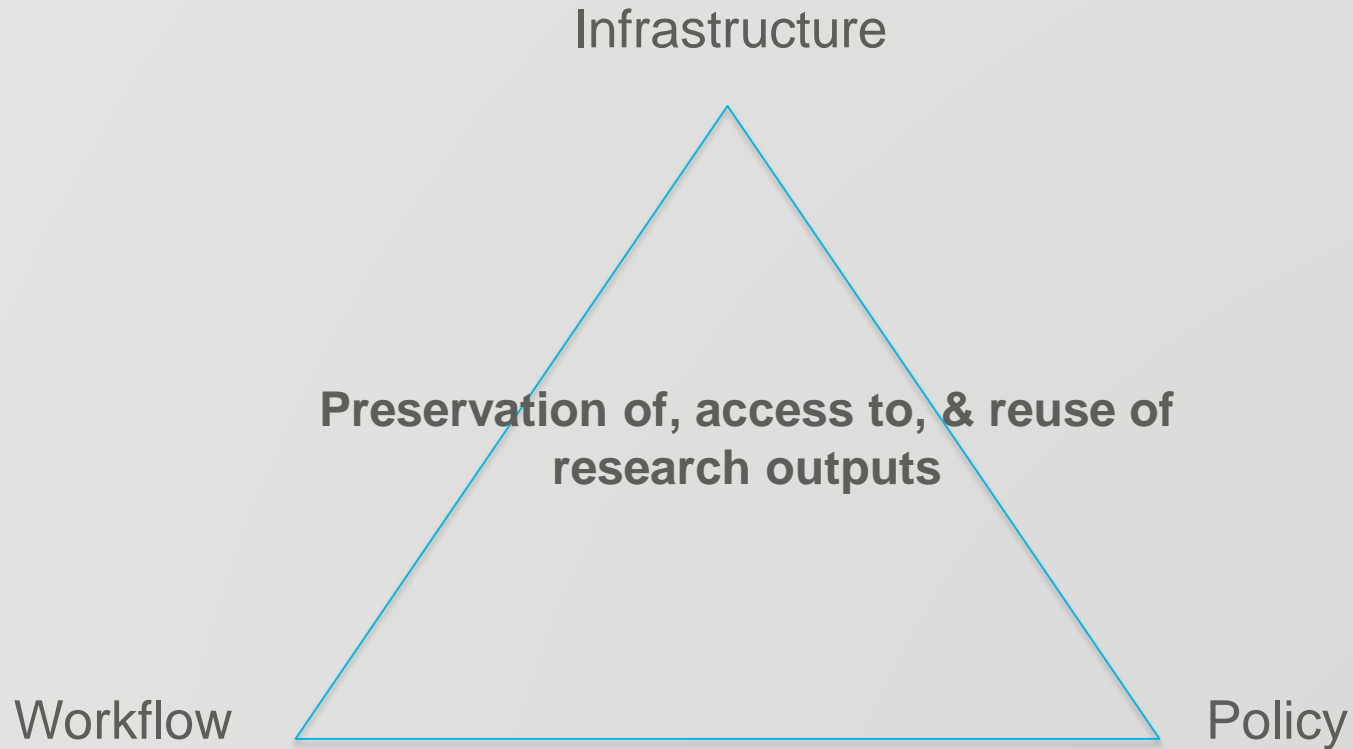
ADDRESSING THE PROBLEM

- The first project SHARE is addressing is a notification system
- Aims to notify stakeholders when research release events occur – publications, presentations, release of data, etc.
- Let key stakeholders know in a timely, structured and comprehensive manner

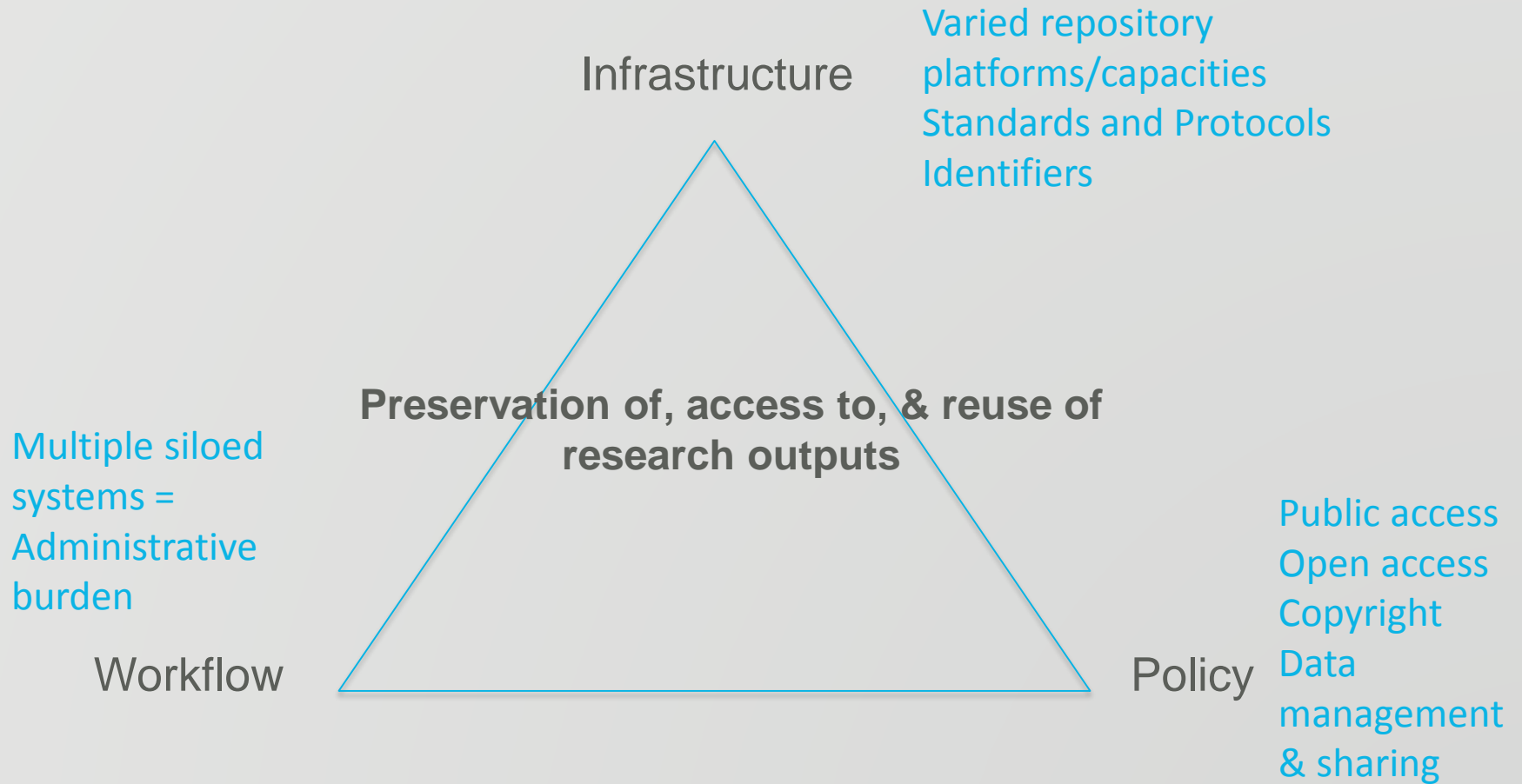
CHALLENGES

**Preservation of, access to, & reuse
of research outputs**

CHALLENGES



CHALLENGES



PROBLEM SPACE

Knowing who is producing what, and under whose auspices, is critical to a wide range of stakeholders - funders, sponsored research offices, government agencies, tenure and promotion committees, and repository managers, and the research community.

SHARE COMPONENTS

December 2013:

Notification Service

Registry – curated metadata

Discovery

Mining and Reuse

Alfred P. Sloan Foundation Planning Grant



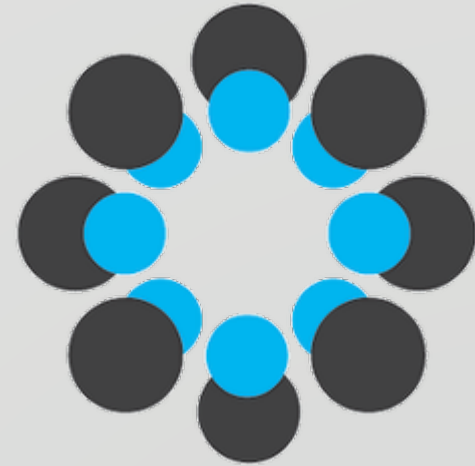
SHARE

EARLY 2014

- Joint grant from IMLS and the Sloan Foundation: March, 2014 through September, 2015
- \$1,000,000 to develop Notification Service and long term SHARE vision

CENTER FOR OPEN SCIENCE

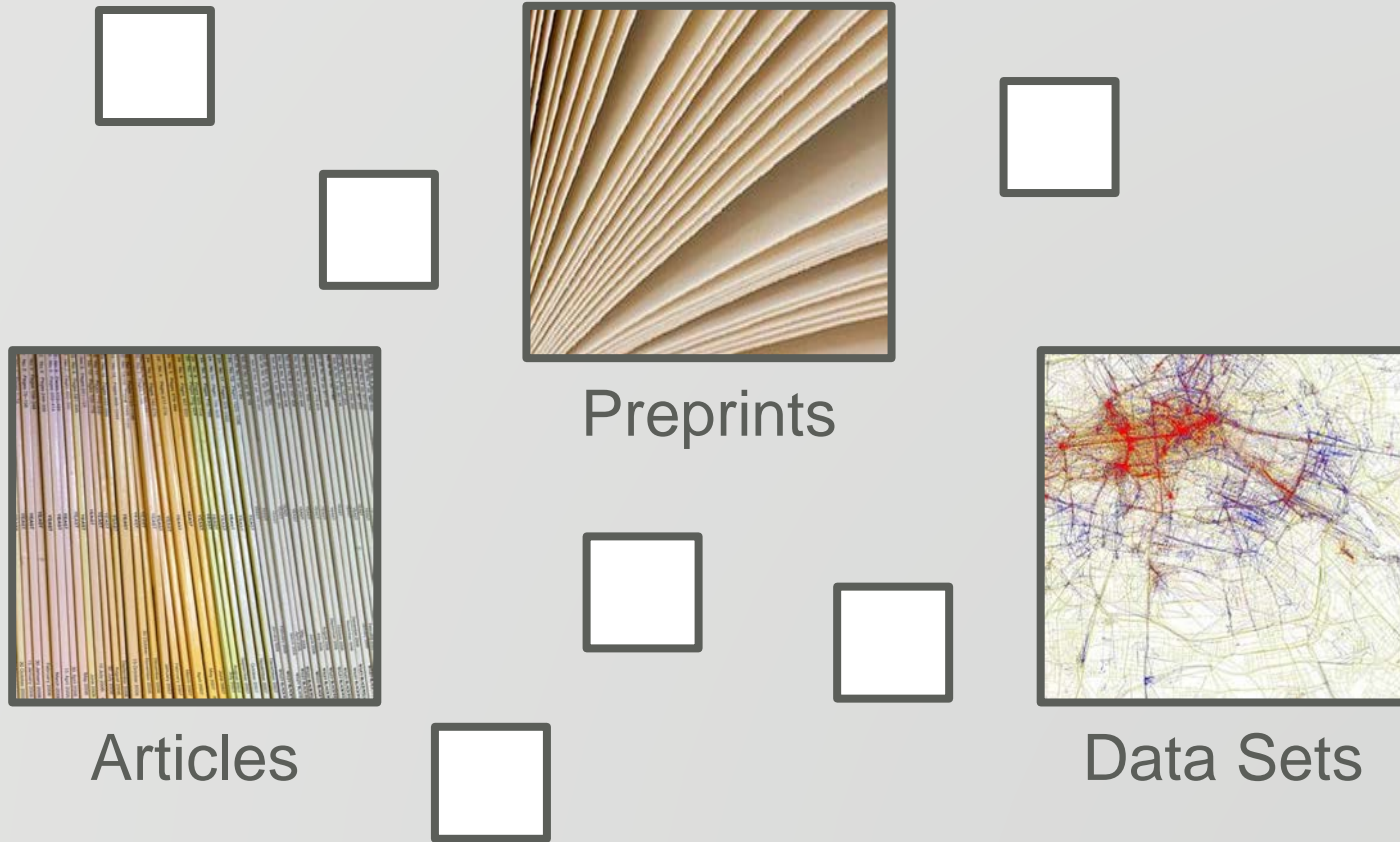
Mission alignment with
development partner



“We foster openness, integrity, and
reproducibility of scientific research”

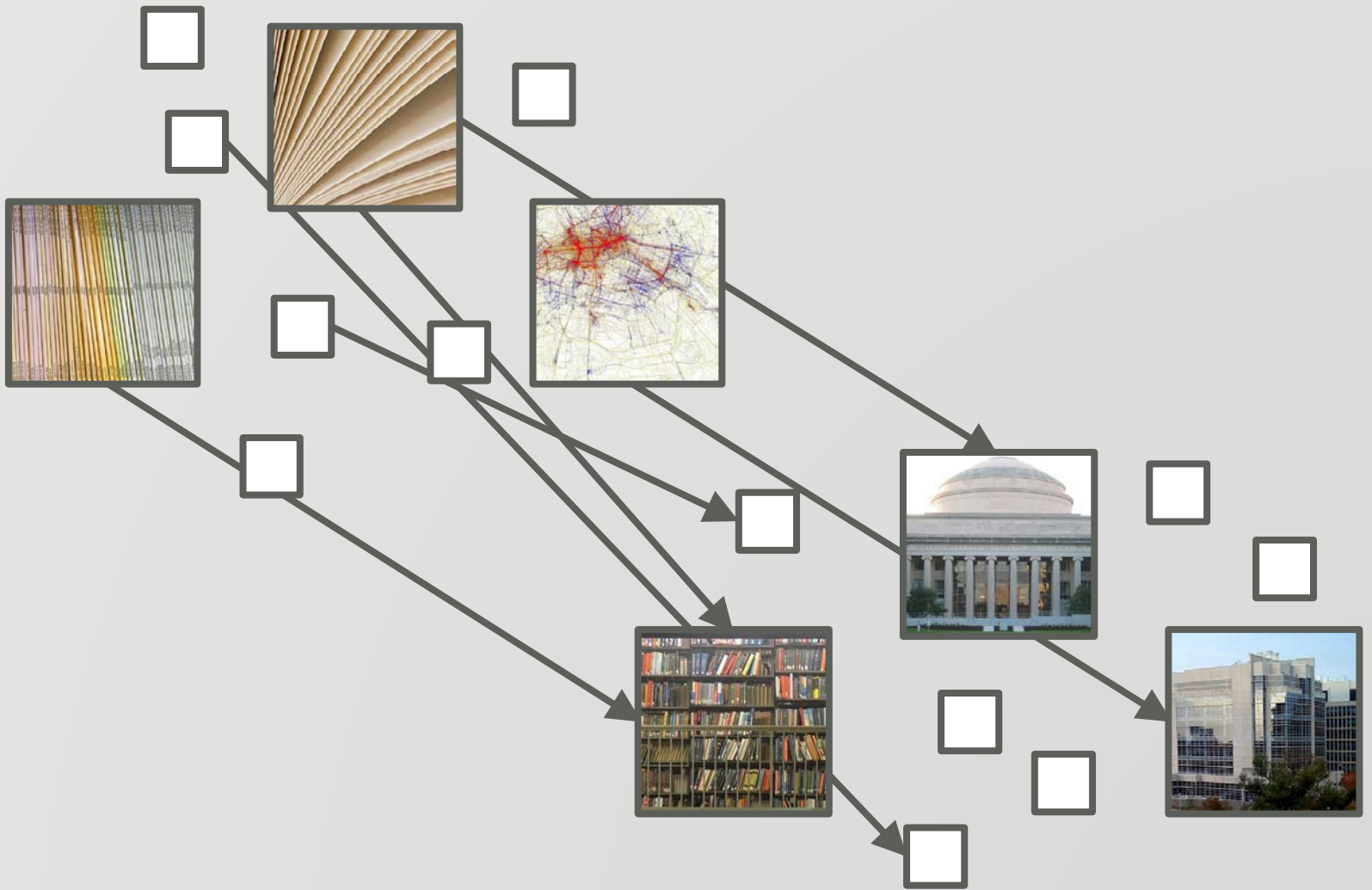
Charlottesville, VA-based nonprofit technology
start-up

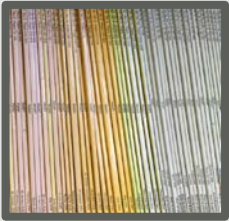
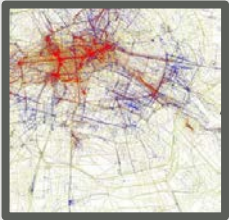
TYPES OF RESEARCH RELEASE EVENTS



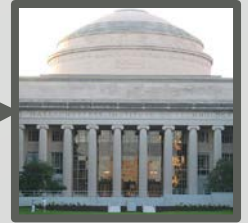
CONSUMERS OF RESEARCH RELEASE EVENTS







SHARE
Notification
Service



SHARE WIKI @ GITHUB

The screenshot shows a web browser window displaying the GitHub repository page for CenterForOpenScience/SHARE/wiki. The browser's address bar shows the URL https://github.com/CenterForOpenScience/SHARE/wiki. The GitHub logo and navigation links (Explore, Features, Enterprise, Blog) are visible at the top. The repository name is CenterForOpenScience / SHARE, with 10 stars and 5 forks. The main content area is titled 'Home' and contains a welcome message from 'efc' edited 20 hours ago. The message states that the page is in the very early stages of development and that the current demo is available at http://share-dev.osf.io. It lists several resources: a demonstration search interface, a demonstration RSS feed, and some XML lists for self-documentation. A sidebar on the right lists various wiki pages, including 'Wiki Home', 'Creating a Harvester', 'Installing a Harvester Outside of ScrAPI', 'Using the Feed', 'Issues & Using the Issue Tracker', 'Metadata Schema', and 'Glossary'. At the bottom of the sidebar, it mentions that SHARE is a project of the ARL, AAU, and APLU, and is supported by funding from The Institute of Museum and Library Services (IMLS).



BENEFITS OF NOTIFICATION SYSTEM

- To track and connect a principal investigator with an award, and the research output resulting from that award
- To enable repository managers to identify manuscripts for deposit, and University and funding agency grant administrators to determine compliance with public access policies

BENEFITS TO RESEARCH OFFICERS

- Optimizes interaction among funded researcher; SRO, and granting agency
- Creates organic link between grant compliance and analytics for tenure and promotion and other purposes
- Enables institutions with open access policies to better facilitate and track participation

NOTIFICATION SERVICE STATUS

Initial data harvest from:

- Clinical Trials
- DOE's SciTech and Pages
- PloS
- UC eScholarship
- Wayne State Digital Commons
- VtechWorks
- NLM PubMed Central
- CrossRef
- arXiv
- DataONE

PROTOTYPE PLANS FALL 2014

Plans for prototype expansion include 10 more campus sites from DuraSpace and bepress, inclusion of more data sets, addition of DMPTool data.

“Push API” and further subscription methods to the prototype.



GOVERNANCE

www.arl.org/share

Advisory Board & Executive Committee

Director: Tyler Walters
Operations Group

Community Working Groups



For Systems via Protocol & API

For People

SHARE
Notification
Service

SHARE
Registry

SHARE
Discovery

timely, structured,
comprehensive

organized and
related source of
linked data

searchable and
friendly



SHARE

AGGREGATION/REUSE

