

SHARE

SHared Access Research Ecosystem

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for the SHARE Steering Group, a joint committee of
the ARL, the AAU, and the APLU*

Slides from Tyler Walters, Eric Celeste, plus Caroline Whitacre

What is SHARE?

- SHARE is a partnership of higher education associations:
 - ARL, AAU, and APLU
 - Purpose: Network institutional, disciplinary, and data repositories to:
 - Comply with sponsoring agency requirements for public access and notify them of meeting requirements.
 - Document research objects and render them easily discoverable in a global research context.
 - Promote the use of research objects through computational means to accelerate and improve research.
- Create a coherent integrated strategy for notifying, registering, providing access to, preserving, and enabling further research on research objects.**
- Leverages and builds upon the existing research ecosystem. It involves IT professionals, librarians, research officers, scholarly societies, publishers, digital repository managers, private funders, and others.
 - Developing research infrastructure in the U.S. to engage in the emerging Global Research Ecosystem
 - Includes: faculties, laboratories, students, libraries, technologies, and other forms of infrastructure.

SHARE Steering & Working Groups

- Steering Group (17), comprised of:
 - Provost, Library directors, CIO, SRO
 - ARL, AAU, APLU, CNI, SPARC, NLM (federal agency liaison), consultants
- Communications
 - Conveys SHARE's developments with the scholarly communication community and general public in a timely and transparent manner
- Workflow
 - Engage with research community and mandating funders to ensure the efficiency of the SHARE workflow
- Repository Community
 - Engage with repositories stakeholders to ensure that they are kept apprised of, and can efficiently contribute to, SHARE's development
- Technical
 - Advises SHARE Steering Group on matters of technology, standards, operational policies and procedures, scale, and innovation in the development of SHARE components

Who Benefits?

Researchers

- Current funder workflows have 20+ steps
- Multiple funders = tangle of compliance requirements and procedures; could overwhelm PI's
- No direct participation of PI's to be required by SHARE
- Opportunity space for optimizing workflow
- Better compliance = more information to be discovered, reused, and mined

Funding Agencies

- Streamlines receipt of information about funded research outputs
- Increases likelihood of compliance and data integrity
- Metrics and other participation data to help measure impact and compliance
- Discovery layer via IRs or centralized repository a possible access and preservation solution

Who Benefits?

Universities

- Optimizes interaction among funded researcher, SRO, and granting agency
- Creates organic link between grant compliance and analytics that universities use for tenure and promotion and other purposes
- Enables institutions with open access policies to better facilitate and track participation
- Increases content in IR
- Better compliance = more information to be discovered, reused, and mined

General Public

- Makes it easier for public to access, reuse, and mine research outputs and research data
- SHARE's adoption of standards and protocols will make it easier for commonly used search engines and third-party services to render information discoverable and usable
- Involvement of universities, provides signal of confidence that access will be available over the long term

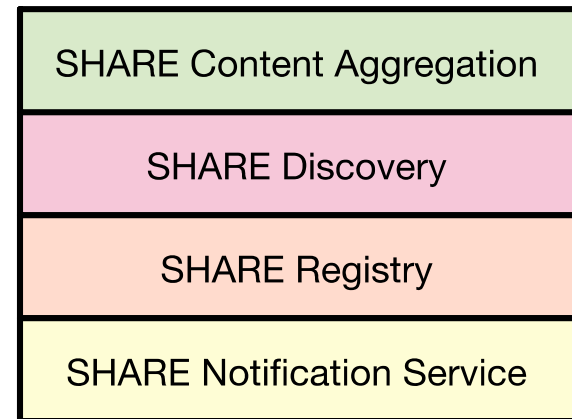
SHARE Components

Current:

- Notification Service: *Project underway*
 - Beta release fall 2014
 - Full release fall 2015

Concurrent planning for interactive systems:

- Registry
- Discovery
- Aggregation



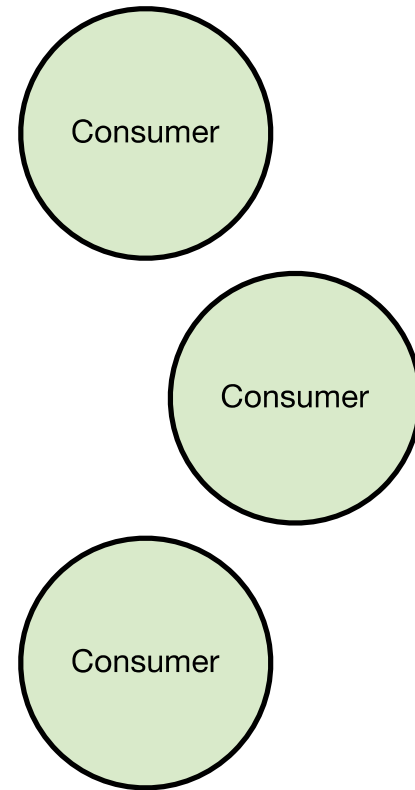
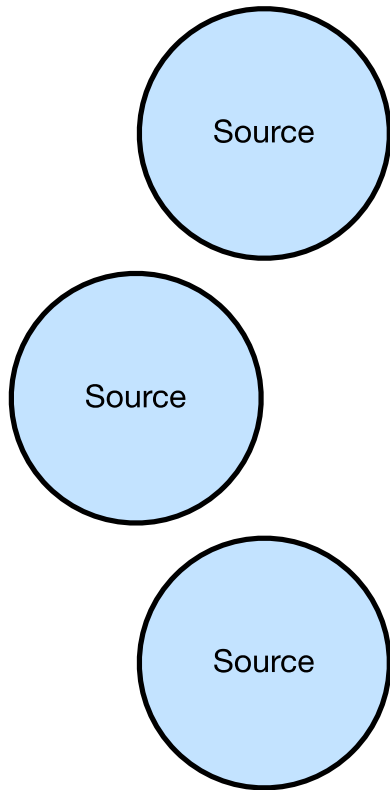
SHARE: Notification Service

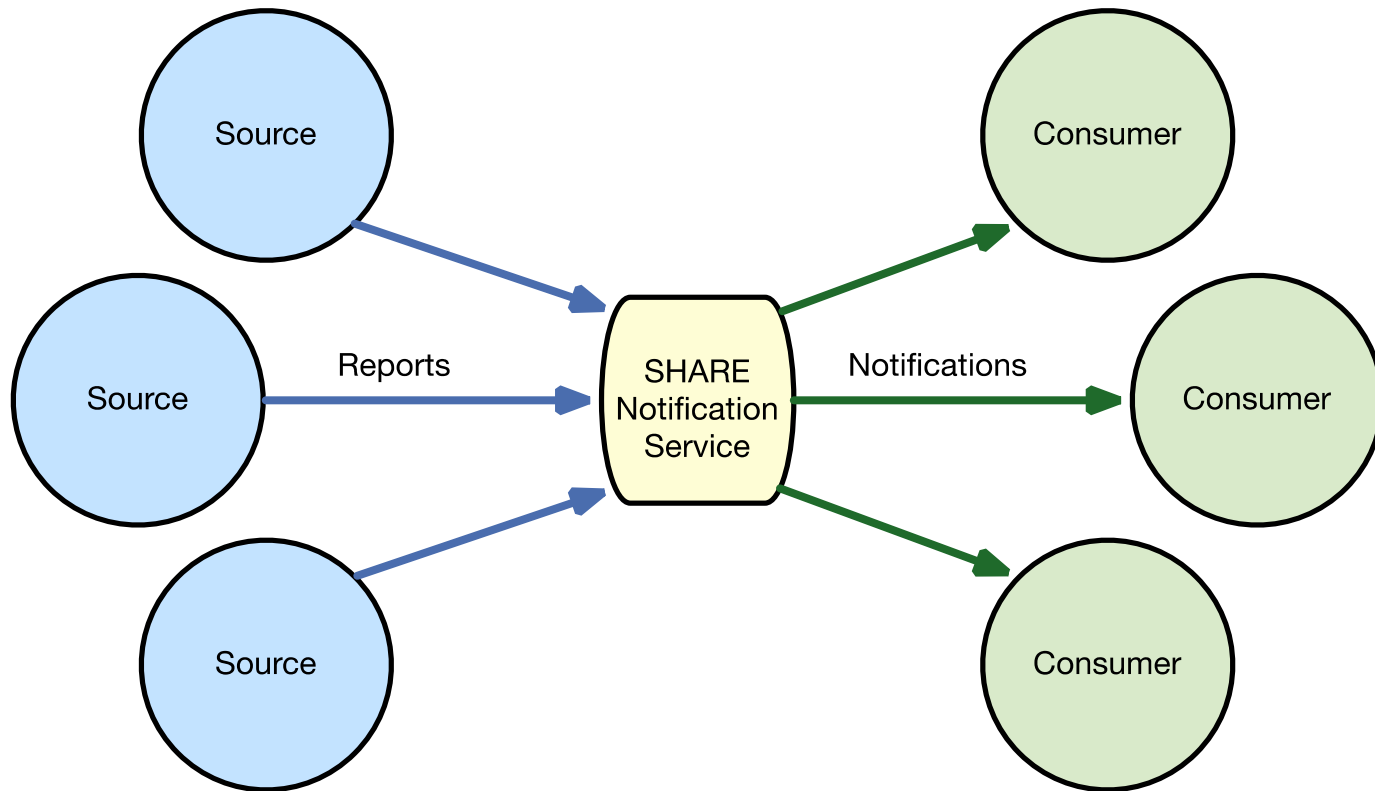
Dilemma:

- Stakeholding organizations find it difficult to keep abreast of the release of publications, datasets, other research outputs
- No single, structured way to report research output releases in timely and ubiquitous manner

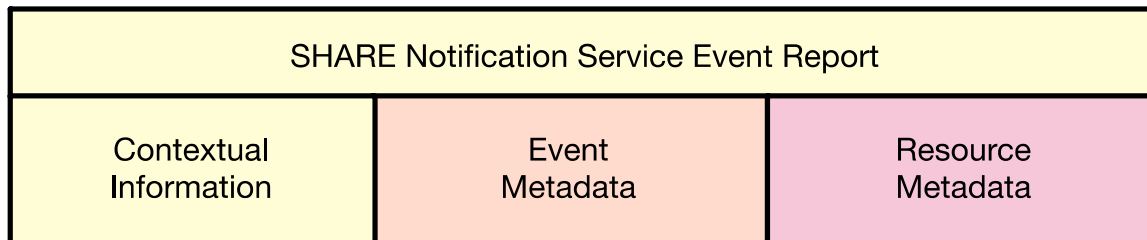
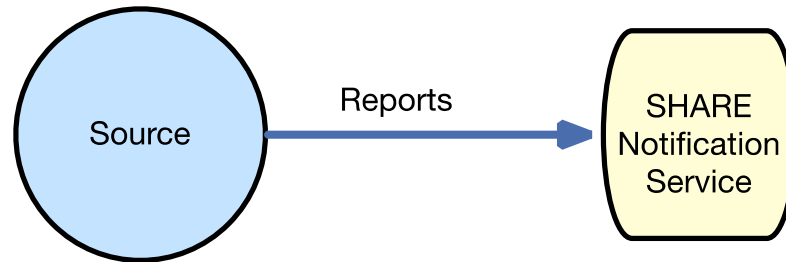
Outcome and Goal:

- Address the system-wide problem of knowing that research output exists—that an article has been published, a pre-print shared, or a dataset made available
- Enables, in the short-term:
 - Repository Managers to identify articles/papers/reports for deposit
 - University and funding agency grant administrators to determine compliance with public access policies

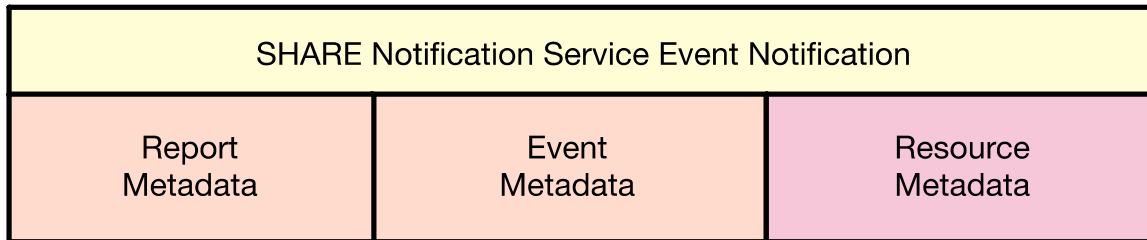
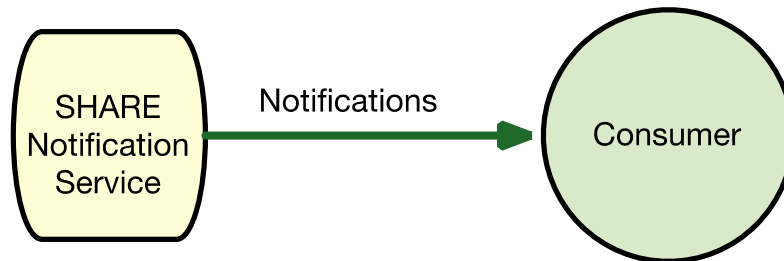


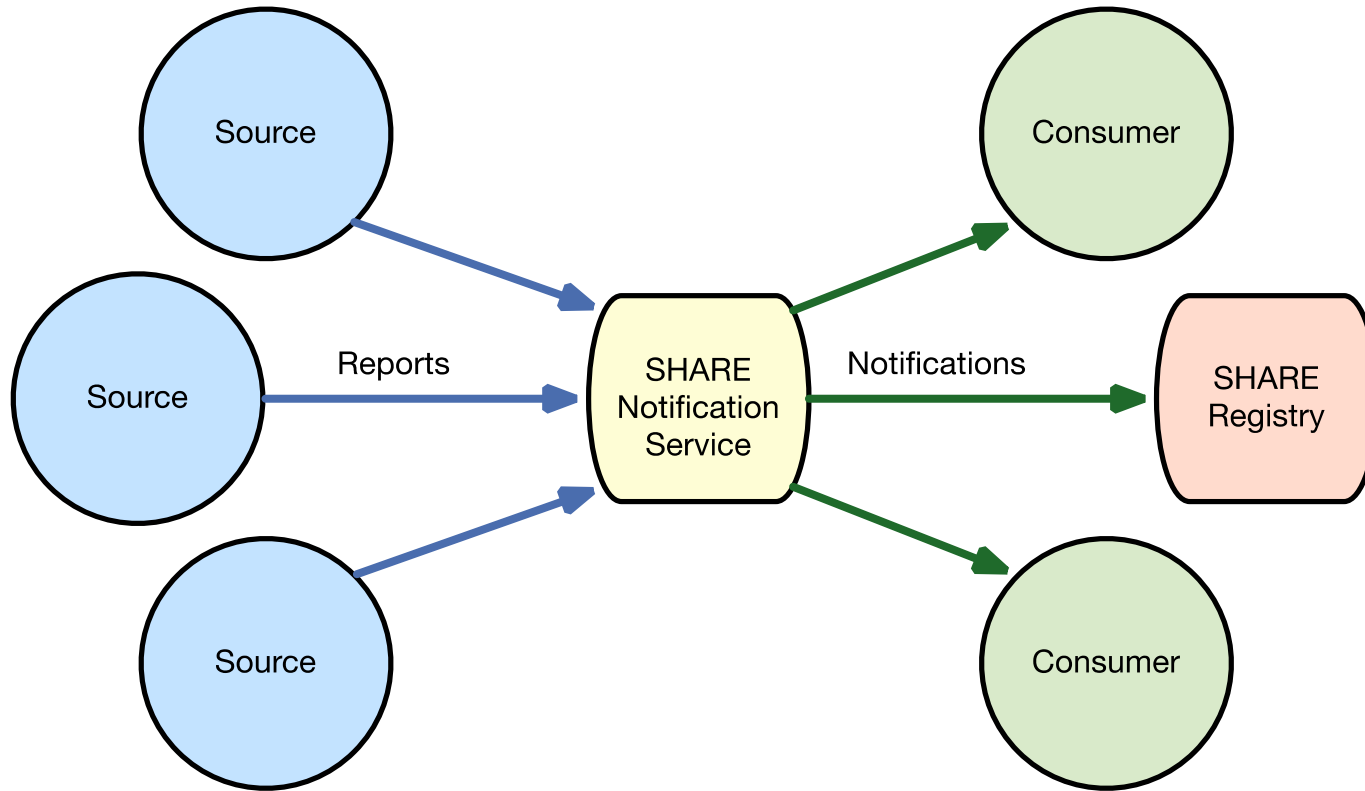


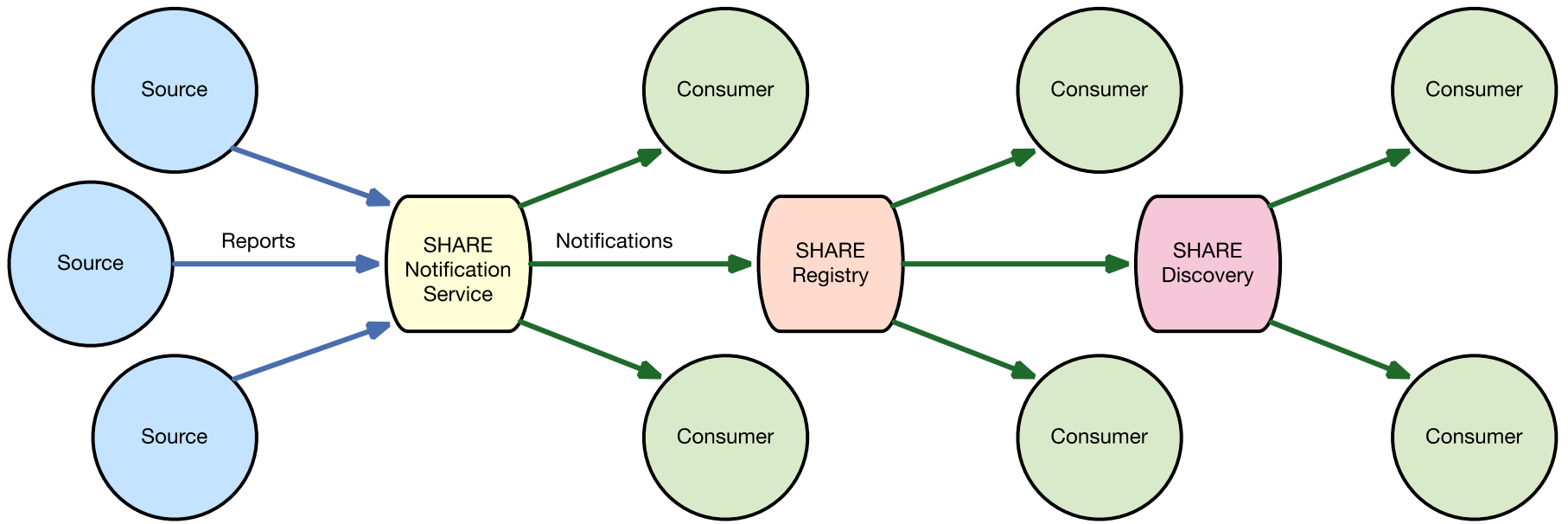
SHARE Research Release Events



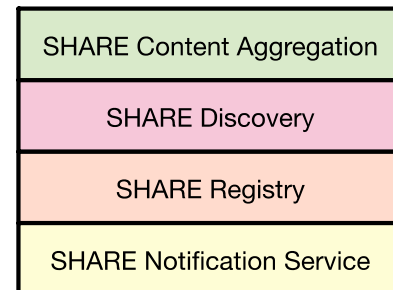
SHARE Research Release Events







Future SHARE Components:



Registry

- Accommodate research datasets, scholarly and scientific publications
- SHARE leaders foresee that research information systems can be leveraged and modified to meet, in part, the goals of this leg of the program

Discovery

- Comprised of new and existing systems
- Optimized by interested parties, improve finding research outputs across repositories
- Leverages and adds value to the more than 400 open access repositories in operation in the United States and over 2,200 worldwide

Aggregation

- Moves beyond curation and discovery
- Facilitates mining, analysis, and visualization of large corpora of text, image, and other data as well as other community-driven value added services
- There are “at scale” initiatives that SHARE envisions exploiting in the use and analysis of research content

Under what framework of authorities and rights can SHARE operate? (A complex and contentious topic)
Federal condition to a university in accepting a grant.

Rights Strategy

- Includes the promotion of university-based open access policies and favorable licensing terms
- Is part of the the scaffolding that will enable the layers of SHARE to develop
- SHARE will look to the leadership and experience of SPARC and COAPI on this effort
- ...Coordinated with AAU and APLU

Recent Grants News:

- \$ 1M Sloan Foundation and Institute of Museum and Library Services funding
 - Technical Project manager: search underway
 - IMLS desires to see SHARE formalize involvement of federal agencies

Staying connected with SHARE:



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