Open Science and the value of documenting, notifying, and sharing

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What is SHARE?

SHARE is creating an open data set about research activities across their life cycle. This comprehensive inventory of research will be widely accessible, discoverable, and reusable.
Research universities are long-lived and are mission-driven to generate, make accessible, and preserve over time new knowledge and understanding.
Stakeholders/beneficiaries

- Researchers
- Higher ed administration
- Libraries
- Repositories
- Research funders
- The Public / communities
Open data allows for innovation
Notify Providers Consumers

Gather

Providers Consumers
osf.io/share/registration

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

Register as a Provider

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

We will look at your data, and see if it can be added to the system.

If your data already conforms to the SHARE data schema, no registration is necessary. You can push it directly to our system. See the documentation for more information.
otherProperties: object
  name
  description
  properties
  uri
SHARE API Documentation

The SHARE API allows you to access all Research Release Events in the SHARE database and publish your organization's publications, data, repository holdings, or other research directly to SHARE. The API has three endpoints: "search," "data," and "stats." "search" allows you to access information in SHARE, "data" allows you to post to SHARE, and "stats" gives metrics on the different providers in SHARE.

Created by the Center for Open Science
See more at http://osf.io/share
Contact the developer

SHARE : API endpoints

<table>
<thead>
<tr>
<th>Method</th>
<th>Endpoint</th>
</tr>
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<tbody>
<tr>
<td>GET</td>
<td>/share/search</td>
</tr>
<tr>
<td>POST</td>
<td>/share/data</td>
</tr>
<tr>
<td>GET</td>
<td>/share/stats</td>
</tr>
</tbody>
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[ BASE URL: /api/v1, API VERSION: 1.0.0 ]
http://osf.io/share

1,023,951 research release events since 16 June 2015

42 content providers
Technology Focus

- Modularity
- Reliability
- Flexibility
- Scalability
What we’ve learned

● Metadata is applied inconsistently across the research ecosystem (quality and consistency)
● Providers are unsure of their rights to share metadata (availability)
● Solutions will involve improvements to workflow, policy, and technical infrastructure
Where we’re going

- Analyze stakeholders’ current processes through which research passes from conception to completion
- Promote and reward policies that encourage data sharing
- Deploy multiple strategies to enhance metadata in the open data set
Enhancement – the challenge

Software Techniques for:

• Identifying conflicts and duplication
• Normalizing metadata
• Inferring metadata
• Improving metadata supplied to SHARE
• Professional curation of metadata
• Crowdsourcing abilities
SHARE is a Community Project

Opportunities for participation:

- **Infrastructure**
  - [https://github.com/centerforopencience/share](https://github.com/centerforopencience/share)
  - [https://osf.io/wur56/wiki/](https://osf.io/wur56/wiki/)

- **Policy/Workflow**
  - SHARE Working Group
  - Standards, identifiers, behaviors
http://share-research.org

www.facebook.com/SHARE.research

www.twitter.com/share_research

SHARE@ARL.org

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