



Scholarly Link Exchange

www.Scholix.org

RDA 11th plenary Berlin

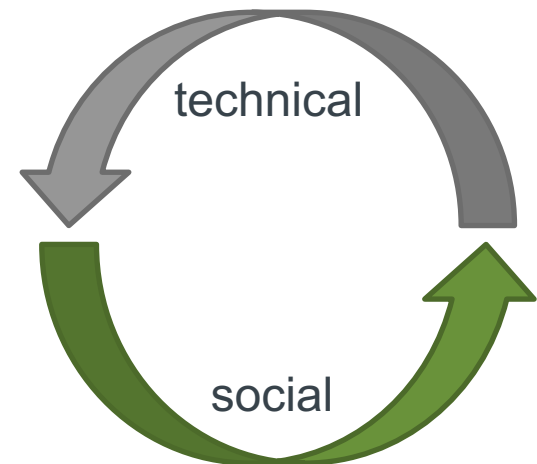
research data sharing without barriers
rd-alliance.org

Linking data with literature: what's the problem?²

Linking Research Data with the Literature is of great value,
yet current solutions are not realizing the potential

What is the problem?

1. Many disconnected sources (publishers, data centers, repositories, infrastructure providers, ...)
2. Heterogeneity of practices, for example:
 - Different PID systems (DOI, accession numbers)
 - Different ways of referencing data (formal citations, in-text references, ...)
 - Different moments of citing data (at publication, post publication, ...)



Scholix is a schema

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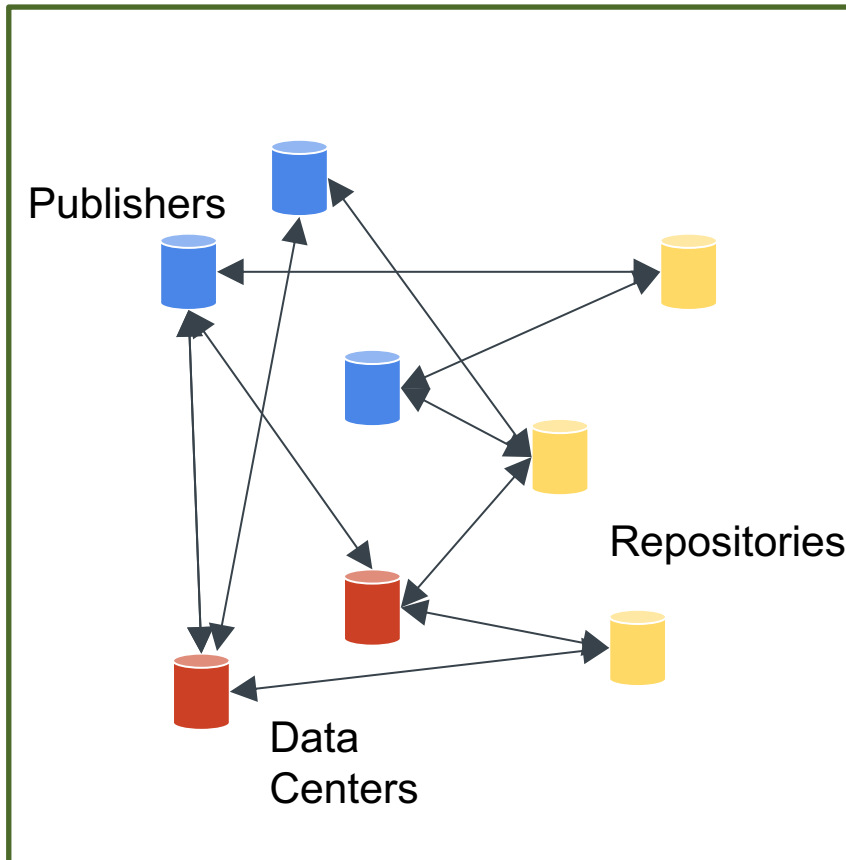
- A schema for standardizing the exchange of *scholarly link* information between scholarly infrastructure providers
 - Information Model for scholarly links representation
 - Recommendation and provision of exchange formats and protocols



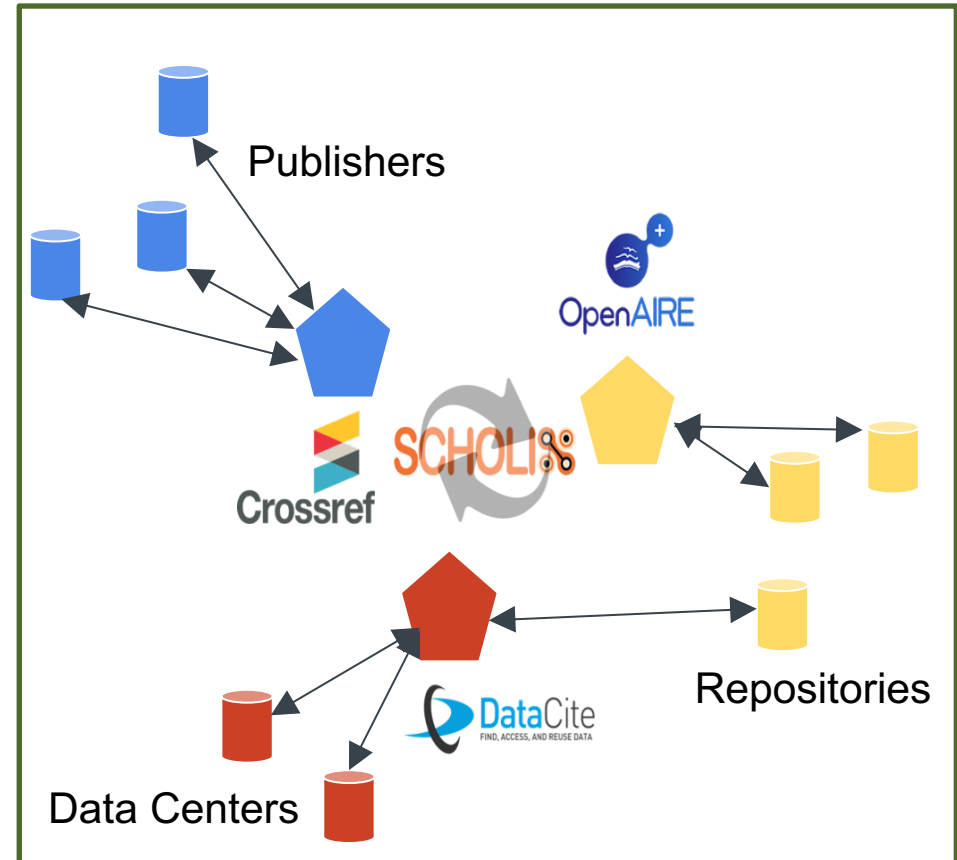
See also <http://www.scholix.org/guidelines>

Recap Scholix: connecting the dots

Past: disconnected sources using heterogeneity of practices



Future: standard set of guidelines for exposing and consuming links, supported by hubs



Scholix benefits

see: www.Scholix.org

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For data repositories and journal publishers

- increase their visibility and usage
- improve the user experience
- More scalable and robust

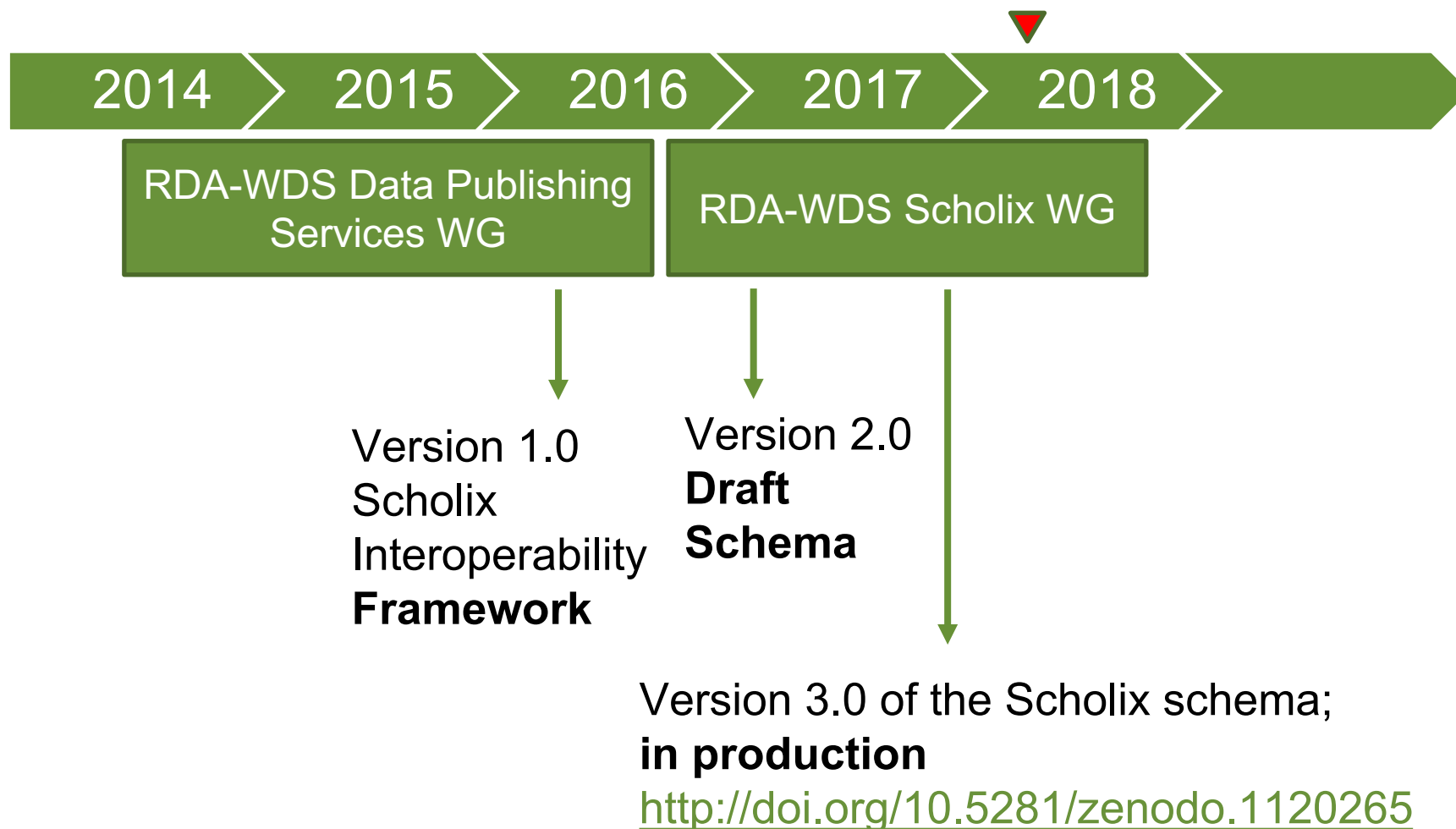
For research institutes, bibliographic service providers, and funding bodies

- Make data count
- track datasets and publications within common and comprehensive framework

For researchers:

- Easier finding and accessing
- track long-term impact of their data
- additional incentives to share data.

Scholix Timeline



Information model: properties

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Link Information Package

Link Publication Date (1)

Link Provider (1..N)

Relationship Type (1)

License URL (0..1)

Source Object

Object Identifier (1)

Object Type (1)

Object Title (0..1)

Object Publisher (0..1)

Object Creator (0..N)

Object Publication Date (0..1)

Target Object

Object Identifier (1)

Object Type (1)

Object Title (0..1)

Object Publisher (0..1)

Object Creator (0..N)

Object Publication Date (0..1)

Scholix in practice: the Hubs

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Event Data

<https://www.datacite.org/eventdata.html>



<https://www.crossref.org/services/event-data>



<http://scholexplorer.openaire.eu/>



<https://europepmc.org/>
WORLD DATA SYSTEM

Use-cases & examples



ScienceDirect

Scopus®



API: link
search/resolution

WebUI: link
discovery/navigation



20 Million
Accesses since
November 2017

Harvesting of links

SCHOLIX API



Next steps

- Scholix schema is now operational; seeking endorsements & improvements to the Scholix schema
- Further adoption & input (publishers)
- Coordination between hubs
- Schema 'home'
- Scaling the support organization