DOI Event Tracker: new pathways to track research

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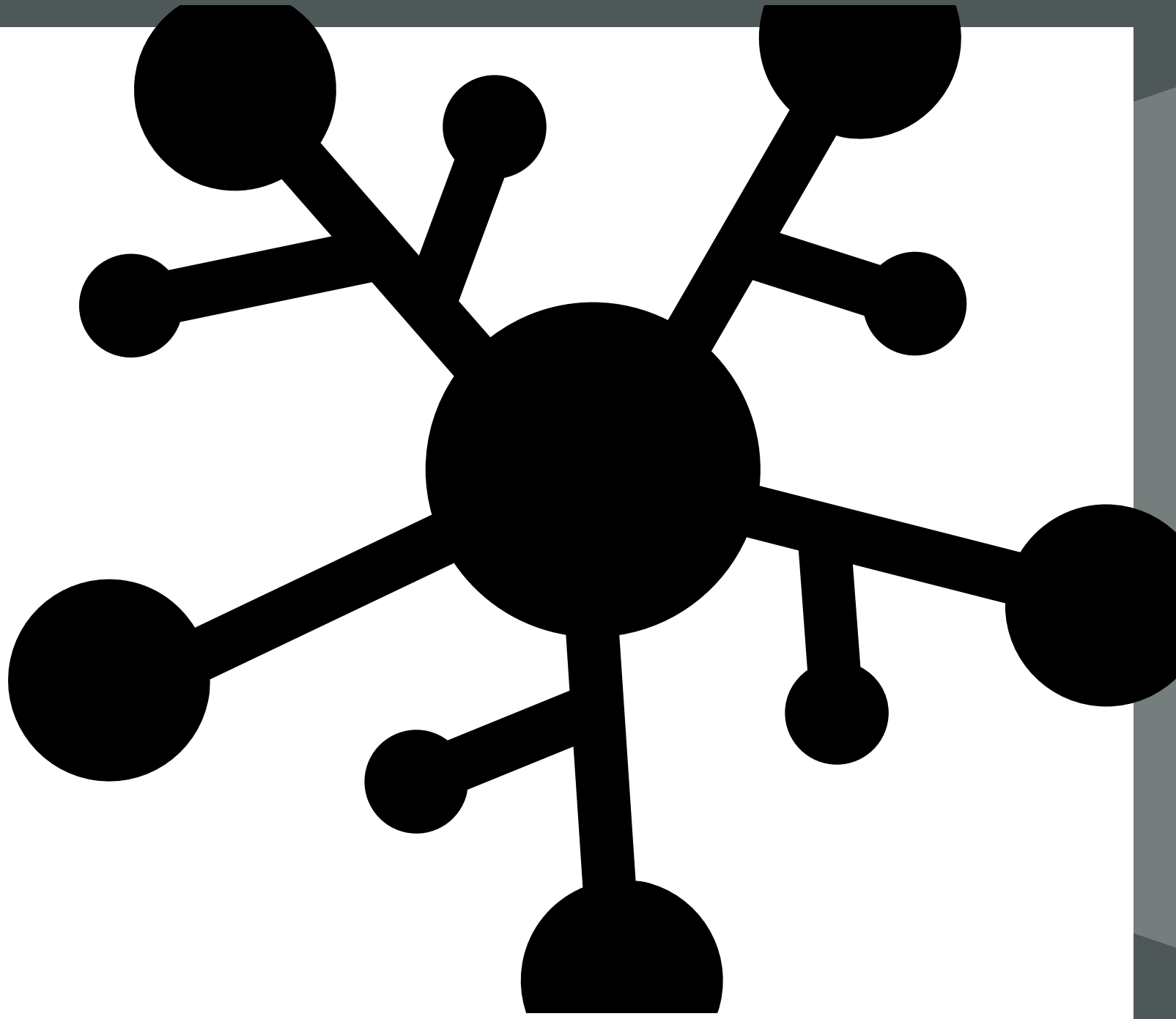
STM Innovations Seminar 2015

DOI Event Tracker

Research & the spread of ideas



DOI Event Tracker

The DOI Event Tracker (DET) is an

- open clearinghouse of data on publications activity online
- tracking events such as shares, mentions, discussions, recommendations, usage, etc.
- for publishers, funders, institutions, media outlets, technology providers, etc. to enable research monitoring, discovery, and information management

Initial DET Sources

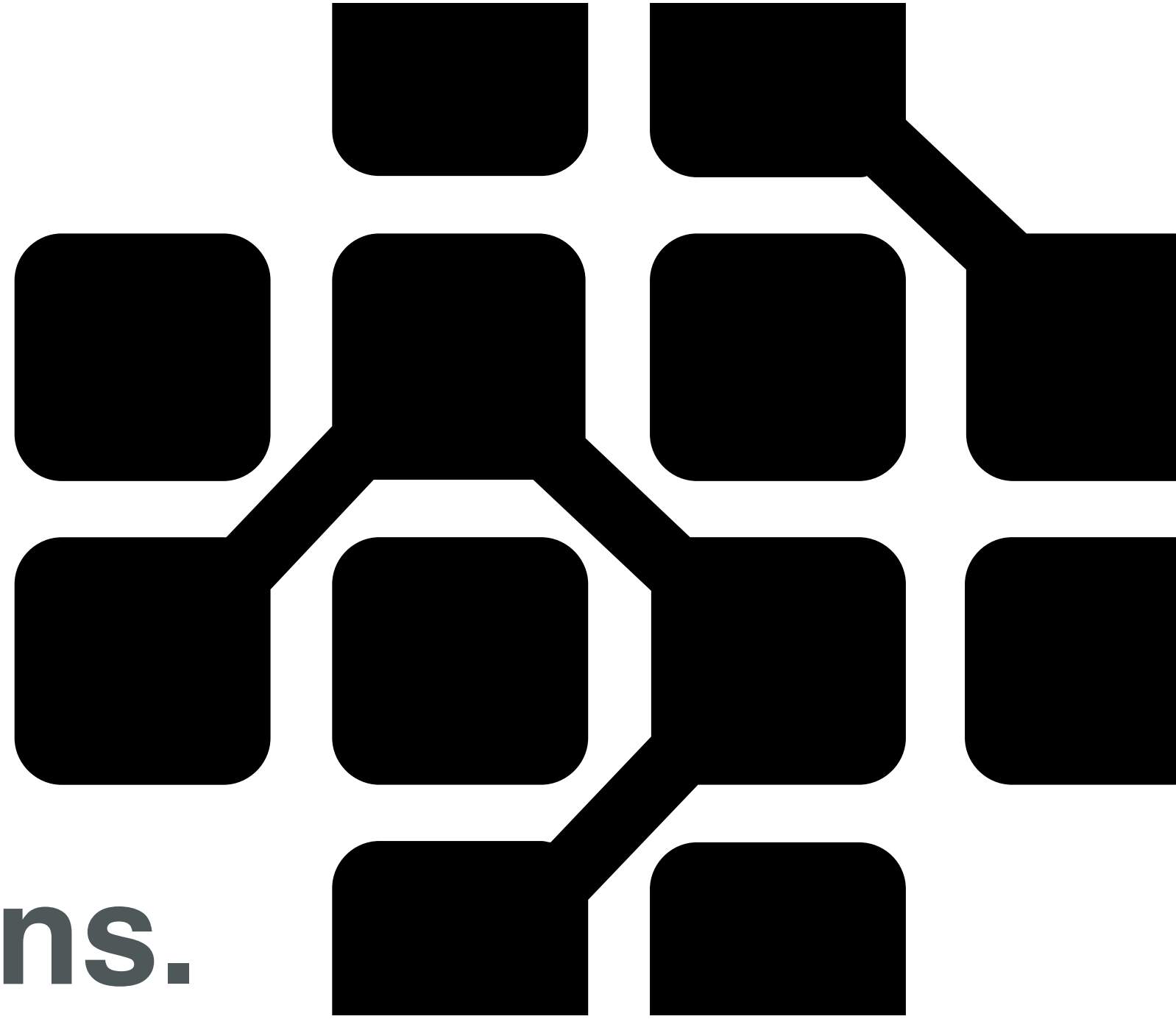
BLOGS & REFERENCE WORKS	SOCIAL BOOKMARKS	SOCIAL SHARES & DISCUSSIONS	LINKS TO RESEARCH ENTITIES
Research Blogging	CiteULike	Facebook	ORCiD
ScienceSeeker	Mendeley	Reddit	DataCite
Wordpress.com		[Twitter?]	Europe PMC Database Citations
Wikipedia		[F1000Prime?]	

DET SLA Service

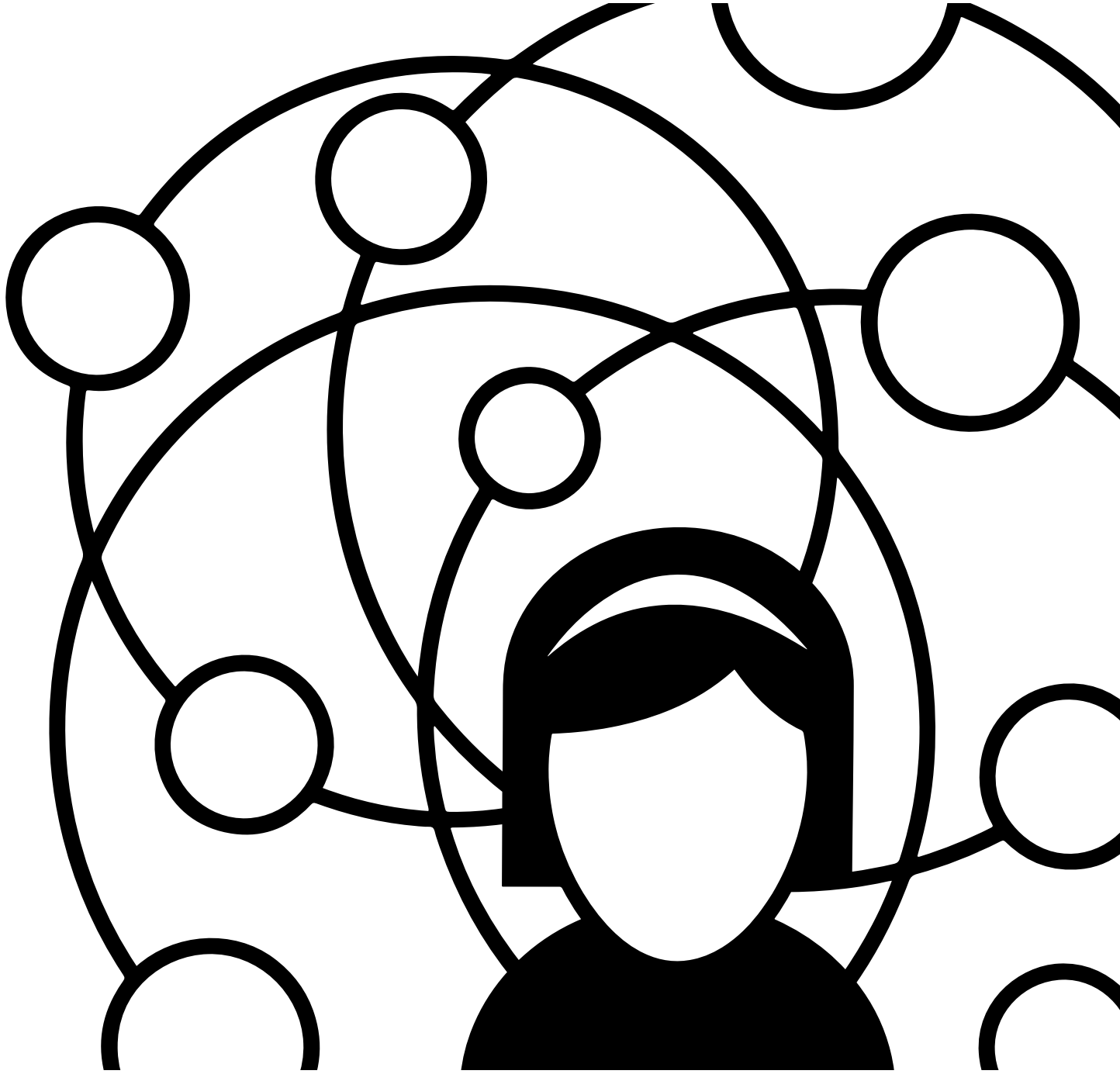
- Access to the complete suite of sources, which includes restricted and/or paid sources in addition to common data
- Guaranteed uptime and response time to the latest raw data
- Guaranteed support response time to questions and issues
- Flexible data access options
- Optimum retrieval rates and accelerated delivery speeds
- Access to a webhook API for events of interest as an alternative to polling DET
- Standardized and enhanced linkback service

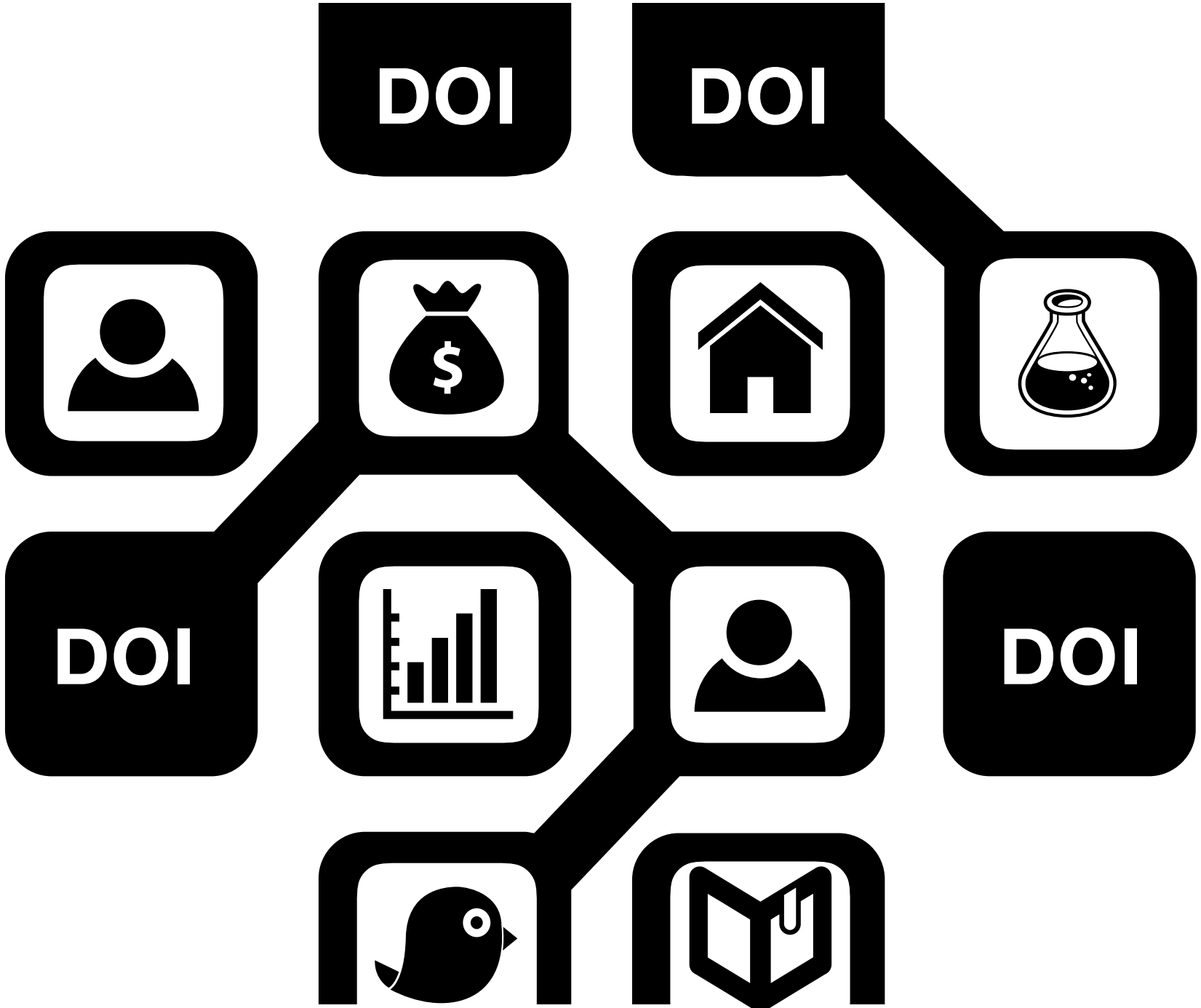
Crossref Infrastructure

Metadata enable connections.



connecting & linking at scale

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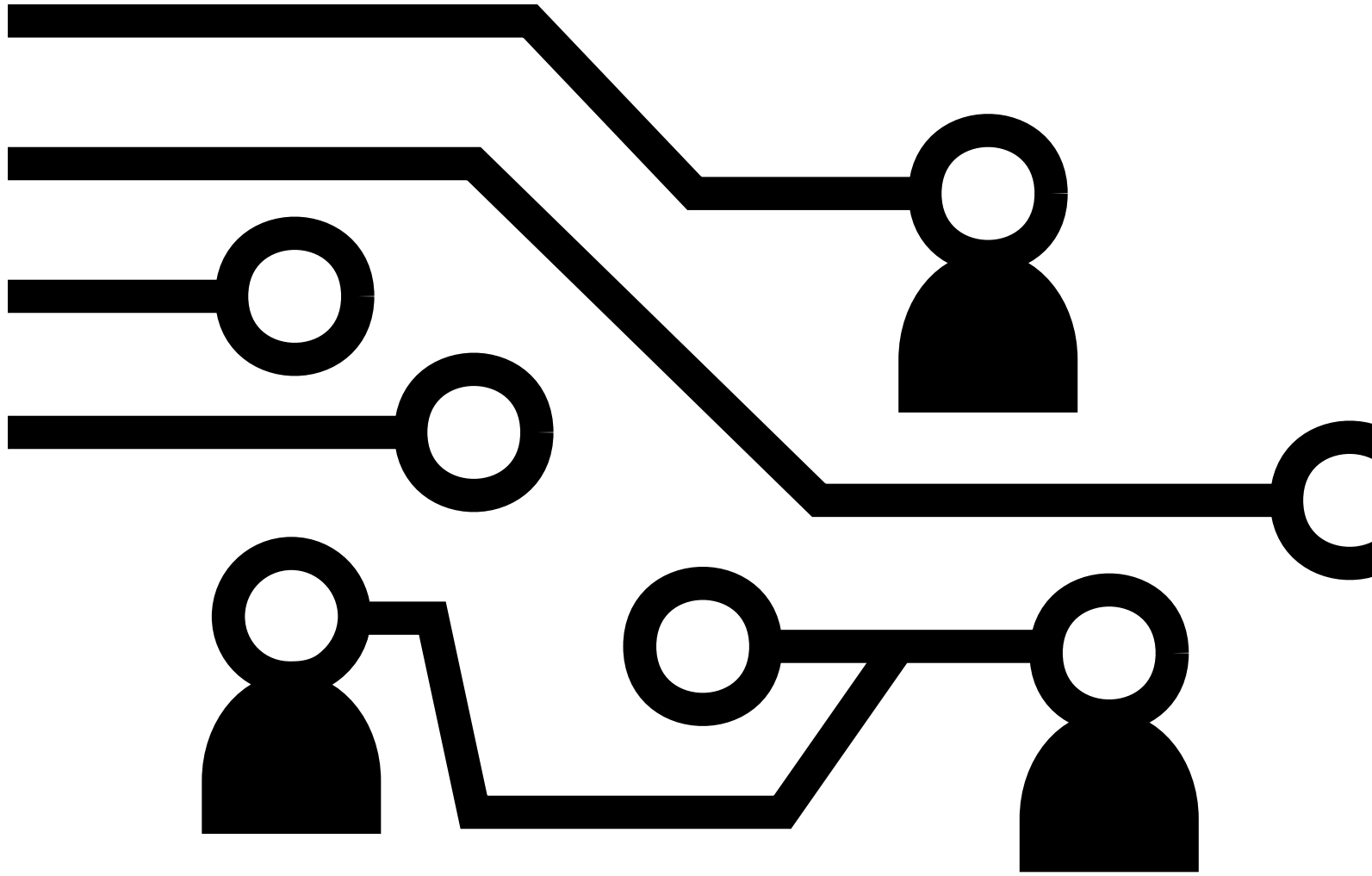
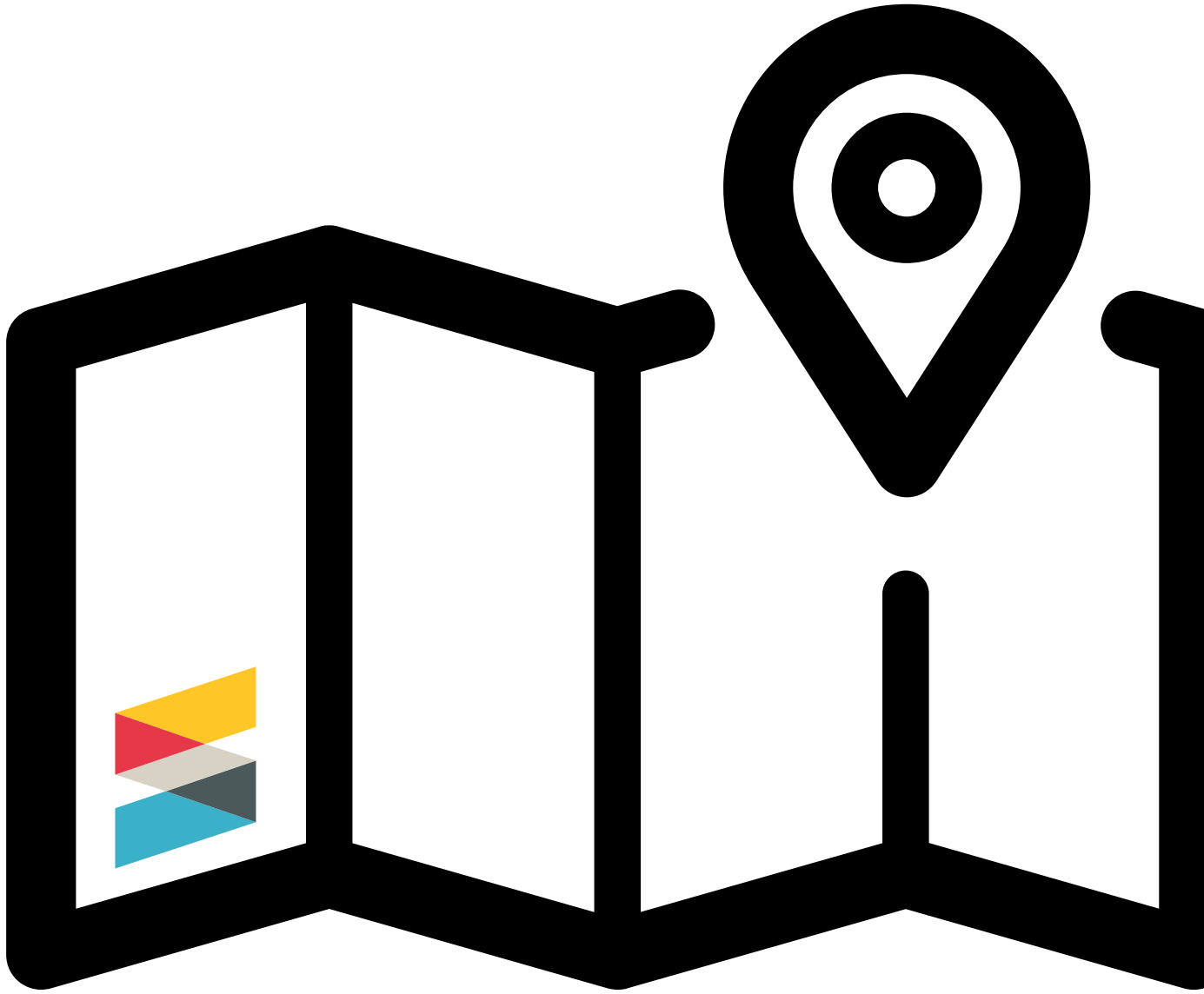
making connections across the scholarly web



an open scholarly map for the whole research enterprise



Interactive layers on the scholarly map

- Contributors
- Funders
- Publication history (versions, corrections, retractions)
- Access indicators (licensing for text & data mining)
- Research artifacts (publications, research data, software, protocols, resources, clinical trials)

- Social activity on the publication (peer reviews, discussions, mentions, bookmarks, shares, recommendations)

Clearinghouse as infrastructure

A central point for collecting and propagating data to the community, benefits of scale and ease of access:

- no need to manage multiple online sources where scholarly activity occurs
- no need for individual bilateral agreements between consumer and sources
- comprehensive tracking coverage across publishers

Infrastructure transparency & trust

Data is:

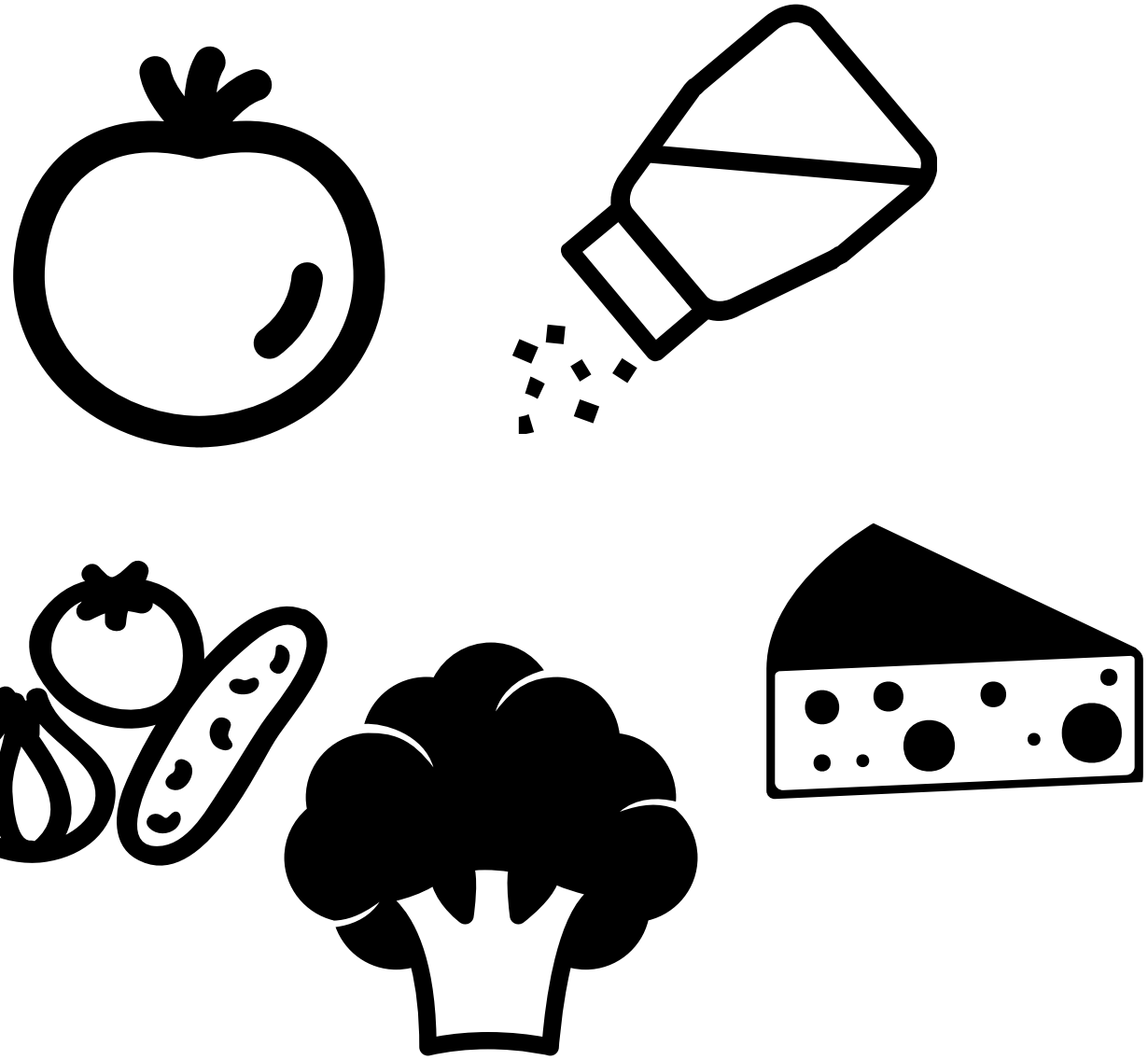
- comprehensive - collected for all Crossref DOIs, regardless of publisher
- open - made openly available to all
- comparable - collected in a standard way across aggregators
- auditable & portable
- long term data preservation

Data, not metrics

Data, not metrics

Ready to use:

programmatically available for tool development & reuse



Use cases

- Surface qualitative stories about researcher work
- Report on the reach of research within specific communities & public at large
- Identify hot, new areas for journal development
- Inform editor and reviewer recruitment efforts
- Discover relevant research
- Discover new collaborators
- Track funding results
- Report on institutions and consortia outputs…

Interested?

sign up for more information

bit.do/CrossrefDET

Thank you!

Ed Pentz

@CrossrefOrg

STM Innovations Seminar

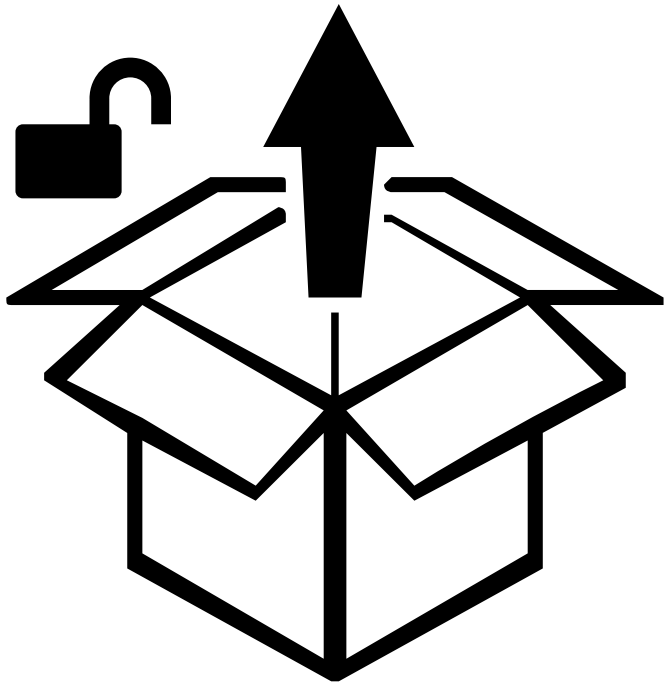
Crossref

What is Distributed Usage Logging?

Distributed Usage Logging (DUL) is a:

- peer-to-peer channel to securely exchange & process private usage records from hosting platforms
- for publishers to measure usage in a distributed environment

DET & DUL



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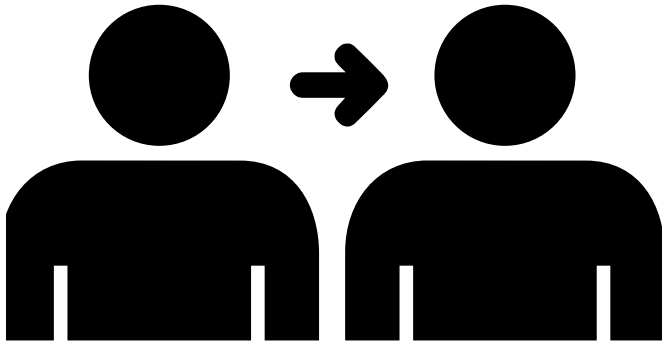

Distributed Usage Logging

DUL

Research Collaboration Networks

Mendeley

Academia.edu

Research Gate

?

Digital Reading Environments

Papers

Utopia Docs

ReadCube

?

DUL messaging protocol

Original Publishers (A, B, C, D, etc.)