



ROSI

# Reference Implementation for **O**pen **S**cientometric **I**ndicators

# **Reference Implementation** for Open Scientometric Indicators

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Reusable prototyp for research  
information system VIVO



## Prof. Dr. Auer, Sören



### Positions

Director, Technische Informationsbibliothek (TIB) Leibniz-Informationszentrum Technik und Naturwissenschaften und Universitätsbibliothek 2017 -  
More...

### Research Areas

[Digital humanities](#) (LCSH)

[Knowledge representation \(Information theory\)](#) (LCSH)

[Linked data](#) (LCSH)

[Semantic Web](#) (LCSH)

[Software engineering](#) (LCSH)

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selected publications

#### academic article

Evaluating the quality of the LOD cloud: An empirical investigation. [Semantic Web](#). 9:859-901. 2018

 PlumX Metrics

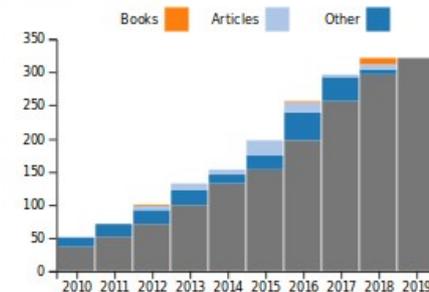
Wikidata through the eyes of DBpedia. [Semantic Web](#). 9:493-503. 2018  PlumX Metrics

ExConQuer: Lowering barriers to RDF and Linked Data re-use. [Semantic Web](#). 9:241-255. 2018

 PlumX Metrics

DESERT: A Continuous SPARQL Query Engine for On-Demand Query Answering. [International journal of semantic computing](#). 12:273-307. 2018

### Publications in VIVO



 Co-author Network

## Reference Implementation for Open **Scientometric Indicators**

metrics used to give additional information about publications or researchers

many different data sources possible (wikipedia, social media, video platforms, etc.)

## Reference Implementation for **Open** Scientometric Indicators

existing systems are  
intransparent and not  
customizable

we will implement a transparent  
and customizable solution

# Reference Implementation for Open Scientometric Indicators

First step: selecting data sources

# Registry of Scientometric Data Sources

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1	<a href="#">dissemin</a>	Dissemin detects papers behind pay-walls and invites their authors to upload them in one click to an open repository.
2	<a href="#">Crossref Event Data</a>	The Event Data service captures data on discussions about about scholarly content in non-traditional places (online platforms for discussion, publication and social media) and acts as a hub for the storage and distribution of this data. The service provides a record of instances where research has been bookmarked, linked, liked, shared, referenced, commented on etc, beyond publisher platforms. For example, when datasets are linked to articles, articles are mentioned on social media or referenced in Wikipedia.
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	1	<a href="#">dissemin</a>	Dissemin detects papers behind pay-walls and invites their authors to upload them in one click to an open repository.
	2	<a href="#">Crossref Event Data</a>	The Event Data service captures data on discussions about about scholarly content in non-traditional places (online platforms for discussion, publication and social media) and acts as a hub for the storage and distribution of this data. The service provides a record of instances where research has been bookmarked, linked, liked, shared, referenced, commented on etc, beyond publisher platforms. For example, when datasets are linked to articles, articles are mentioned on social media or referenced in Wikipedia.
	3	<a href="#">OpenAIRE</a>	"OpenAIRE's mission is closely linked to the mission of the European Commission: to provide unlimited, barrier free, open access to research outputs financed by public funding in Europe." <a href="https://www.openaire.eu/mission-and-vision">https://www.openaire.eu/mission-and-vision</a>

Svantje Lilienthal

<https://tib.eu/rosi-project>

[rosi.project@tib.eu](mailto:rosi.project@tib.eu)