



Ligue des Bibliothèques Européennes de Recherche  
Association of European Research Libraries

# LIBER Metrics Working Group

Sarah K. Coombs & Isabella Peters

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# LIBER Working Group on Metrics

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## Enabling Open Science

This Working Group is part of Strategic Priority #1: Enable Open Science.

- set up by Scholarly Communication & Research Infrastructures Steering Committee
- 2016-2017
- exchange best practices
- develop recommendations for the optimal use of metrics in research libraries and information infrastructures
  - regardless of its size, budget or experience level
- possibilities for Open Metrics and what this can entail



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## Members

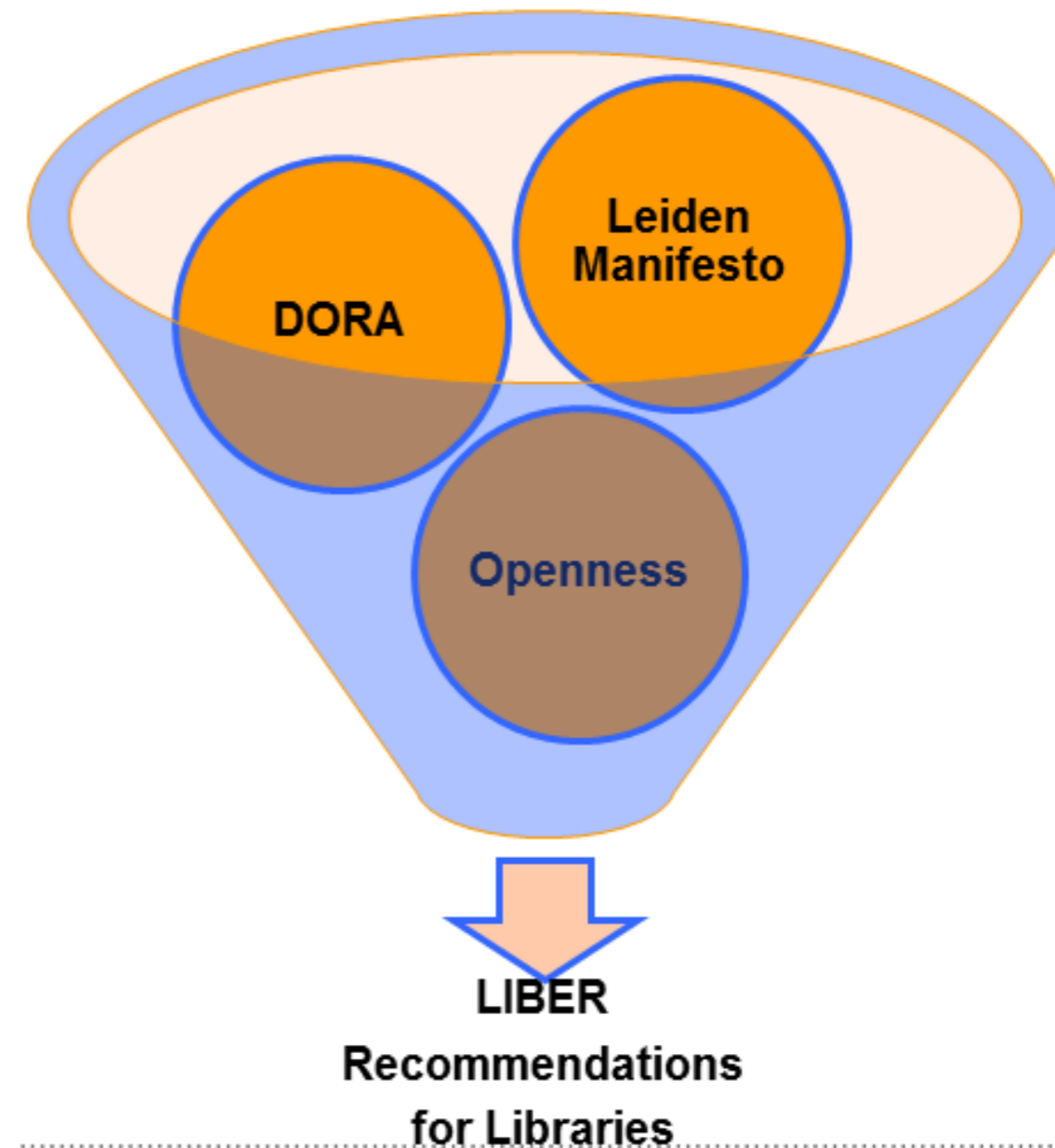
- Prof Dr [Isabella Peters](#), ZBW Leibniz Information Centre for Economics, Germany (co-chair)
- Ms [Sarah Coombs](#), Saxion University of Applied Sciences, Netherlands (co-chair)
- Dr [Kasper Abcouwer](#), University of Amsterdam, Netherlands
- Dr [Isidro F. Aguillo](#), Cybermetrics Lab, CSIC, Spain
- [Nathalie Cornée](#), Information Research Analyst and LSE Open Access Officer, LSE Library, London
- Dr Ellen Fest, Wageningen University, Netherlands
- Dr [Juan Gorraiz](#), University Library Vienna, Austria
- Dr [Stefanie Haustein](#), University of Montréal, Canada
- Dr [Kim Holmberg](#), University of Turku, Finland
- [Najko Jahn](#), Data Analyst, Göttingen State and University Library, Germany
- Dr [Peter Kraker](#), KNOW-CENTER, Austria
- Dr [Ania Lopéz](#), University of Duisburg-Essen, Germany
- [Marc Martinez](#), University III Lyon, France
- [Alenka Prinicic](#), Head of Research Support, Delft University of Technology Library, Netherlands
- Ms [Susan Reilly](#), Executive Director, LIBER Europe, Netherlands
- Dr [Birgit Schmidt](#), University of Goettingen, Germany



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## What did we do?



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Hicks, D., Wouters, P., Waltman, L., de Rijcke, S., & Rafols, I. (2015). Bibliometrics: The Leiden Manifesto for research metrics. *Nature* 520, 429–431. doi:10.1038/520429a



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## The Leiden Manifesto Under Review: What Libraries Can Learn From It

Please cite as: Coombs, S. K., & Peters, I. (2017). The Leiden Manifesto Under Review: What Libraries Can Learn From It. *Digital Library Perspectives*. [accepted for publishing].

### Purpose

This paper is a critical discussion of the Leiden Manifesto for libraries already engaged in bibliometric practices. It offers practical recommendations based on the work of the Association of European Research Libraries (LIBER) Working Group on Metrics. This work is in the beginning phase and summarizes literature on the topic as well as the experiences of the members of the Working Group. The discussion reflects today's growing popularity of (quantitative) research assessment which is seen in enthusiasts introducing new metrics (i.e. altmetrics) and by critics demanding responsible metrics that increase objectivity and equity in evaluations.

### Design/methodology/approach

This paper is the result of the Working Group on Metrics of the Association of European Research Libraries (LIBER) that critically discussed the practicality of the Leiden Manifesto for libraries.

### Findings

Full compliance with the Manifesto is time-consuming, expensive and requires a significant increase in bibliometric expertise with respect to both staffing and skill level. Despite these apparent disadvantages, it is recommended that all libraries embrace the Manifesto's principles. To increase practicality it is advised that libraries collaborate with researchers, management and other libraries at home and around the world to jointly design and provide services that can be reused within the library community.





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## What did we do?

Recommendations for discovery and discoverability	Practical information and examples	Recommended resources
Recommendations focus on the use of scholarly metrics for discovery of scholarly works and/or researchers and show how to increase their discoverability.		
Remember: Context helps evaluating scholarly works and stakeholders of the scientific enterprise, for example if to address the right target group in articles or to find the right publication outlet for the topic (besides the Journal Impact Factor which can serve a similar purpose; jump to recommendation for research assessment). Metadata and scholarly metrics are rich sources for the provision of context on works, institutions, and people. Moreover, scholarly metrics support knowledge discovery, i.e. finding information not explicitly mentioned in the dataset (e.g., influential authors in a scientific field). Re-using methods used in studies of scholarly metric can open up new search opportunities and, at the same time, get customers of the library (e.g., researcher, students, university administration) acquainted with these methods.		
Provide context information that allows for browsing and discovery of related research and people interested in scholarly works inside and outside of the library.	*track appearances of the scholarly works and people from your institution (to facilitate this a full record of scholarly works inclusive bibliographic metadata and persistent identifier is needed) and link to or provide information on the context	* Google Analytics, Twitter search profile, Crossref event data
	*add metadata that is available to you to the scholarly works and people (e.g., customers of the libraries, authors in the catalog, users generating impact indicators) to provide rich context information	*Journal information: Sherpa/RoMEO, DOAJ, SciMago *Author information: institutional website, ORCID, Web of Science ID, Scopus ID, Google Citation Profile *Article level information: citation information, altmetrics (via <a href="http://www.lagotto.io/">http://www.lagotto.io/</a> )
	*establish links between CRISs and digital repositories and interface institutional research information services with shared infrastructures in the field of scholarly communication (e.g., ORCID)	
	*process context data and implement it accordingly	*VOSViewer, Pajek, BibExcel, Publish or Perish, ropensci.org, open knowledge maps



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## Goals of recommendations

- prompt academic libraries to get engaged with scholarly metrics
- build a solid fundament of knowledge about scholarly metrics
- receive a realistic picture about why and how scholarly metrics can and should be used
- serve as checklist, 'have you thought about this', when academic libraries engage in exercises or development of services around scholarly metrics
- address academic libraries in their various roles - as
  - bearers of bibliometric expertise
  - executors of assessments
  - developers of services around scholarly metrics
  - providers of data for scholarly metrics
  - educators, that teach responsible use of scholarly metrics



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## Executive summary & highlight recommendations

- build efficient library network which offers information enrichment as well as innovative services for users, researchers, and administration
- scholarly metrics: do not mistake the map for the territory
- context
  - offer a broader and more complete context to scholarly products
- engagement
  - be engaged and be in constant dialogue with peers and further communities
- diversity
  - use library collections, metadata, and repositories
- openness
  - embrace openness





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## Workshop program: 1st part

<b>9:10-9:25</b>	Almost a decade of bibliometric services: experiences and insights from the Vienna University Library (skype)	<b>Juan Gorraiz</b>
<b>9:25-9:40</b>	DuEPublicA – Automated bibliometric reports at the University of Duisburg-Essen based on the University Bibliography and Scopus Data (skype)	<b>Ania Lopez</b>
<b>9:40-9:55</b>	Altmetrics for discovery	<b>Peter Kraker</b>
<b>9:55-10:10</b>	Scholarly Communication Analytics at the Göttingen State and University Library: Services and Tools (skype)	<b>Najko Jahn</b>



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## Workshop program: 2nd part

<b>10:10-10:30</b>	working group formation +first discussion in working groups and asking for clarification	<b>Sarah &amp; Isabella</b>
<b>10:30-11:00</b>	<b>coffee break</b>	
<b>11:00-11:35</b>	working group 1: discovery	<b>Peter</b>
	working group 2: research assessment	<b>Isabella</b>
	working group 3: showcasing achievements	any volunteer?
	working group 4: library services	<b>Sarah</b>
<b>11:35-11:55</b>	reporting back (5min per group)	
<b>11:55-12:00</b>	wrap-up, next steps, good bye	<b>Sarah &amp; Isabella</b>



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## Tasks for working groups

- **Order recommendations: what is the most important one?**
- **Indicate suitability**
  - **Beginner (red)...****Advanced (blue)....****Expert (green)**
- **Collect best practices or further recommendations**
  - Add to list
- **Collect additional resources from participants**
  - Add to list
- **Choose one to report back**



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## Wrap up

- **Order recommendations: what is the most important one?**
  - working group 1: discovery
  - working group 2: research assessment
  - working group 3: showcasing achievements
  - working group 4: library services
- **Indicate suitability**
  - **Beginner (red)...****Advanced (blue)....****Expert (green)**
- Collect best practices or further recommendations
- Collect additional resources from participants



# LIBER Working Group on Metrics

## What's next?

**OpenUP** HOME PROJECT PROJECT MATERIAL NEWS AND EVENTS CONTACT

### OPENUP PROJECT

OPENING UP new methods, indicators and tools for peer review, dissemination of research results, and impact measurement

Open Access and Open Scholarship have revolutionized the way scholarly artefacts are evaluated and published, while the introduction of new technologies and media in scientific workflows has changed the “how and to whom” science is communicated, and how stakeholders interact with the scientific community. OpenUP addresses key aspects and challenges of the currently transforming science landscape and aspires to come up with a cohesive framework for the review-disseminate-assess phases of the research life cycle that is fit to support and promote Open Science.

### \*metrics

#### MEasuring The Reliability and perceptions of \*metrics Indicators for interactions with sScientific productsS

- Aims**
  - Develop a deeper understanding of \*metrics (aka altmetrics / social media metrics)
  - Assess their general significance and perception amongst stakeholders
  - Critical examination of the quality of \*metrics' underlying data (in terms of validity and reliability)
  - Evaluate ability to adequately assess scientific outputs against the background of disciplinary specificities
- ACTIVITIES**
  - Capturing of status quo through exploratory user- and usage studies in the field of economics and social sciences
  - Launching of a social media registry
  - Recommendations for standardization
  - Technology analysis for the collection and provision of \*metrics
- COMMUNITY**
  - Networking via \*metrics information platform and social media
  - Project workshops to present and discuss current research topics and outcomes
  - Early feedback on developments, i.e. input for social media registry
- PROJECT PARTNERS**
  - Göttingen State and University Library (SUB Göttingen)
  - ZBW – Leibniz Information Centre for Economics
  - GESIS Leibniz-Institute for the Social Sciences
  - Verbundzentrale des gemeinsamen Bibliotheksverbunds (VZG) - common library network of seven German federal states

**\*metrics Project**

- Duration: 2017-01-01 - 2018-12-31
- Funding: German Research Foundation DFG
- Project Management: SUB Göttingen
- Contact: Astrid Orth [metrics-project@sub.uni-goettingen.de](mailto:metrics-project@sub.uni-goettingen.de)

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[@metrics\\_project](https://twitter.com/metrics_project)  
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**DFG** **SUR** **ZBW** **gesis** **VZG**



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# Thank you!



Sarah K. Coombs & Isabella Peters



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