

Elsevier Research Intelligence

# SciVal trial introduction

Presentation for NUI Galway 2/03/16

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# Agenda

1. Elsevier Research Intelligence Portfolio
2. Scopus – the data source for SciVal
3. SciVal overview
4. SciVal demonstration
5. SciVal practical guidance



# Elsevier Research Intelligence portfolio

## What we offer

### CORE

#### SciVal (External View)

Ready-to-use tools to analyze the world of research, and to establish, execute and evaluate optimized strategies for the research organization.

##### Modules:

- Overview
- Benchmarking
- Collaboration
- Funding

#### Pure (Internal View)

Comprehensive research information management system to enable evidence-based decisions, promote collaboration, simplify administration and optimize impact.

##### Modules:

- Administration
- Reporting
- Import
- CV
- Award Management
- Assessment
- Portal (Experts, Institutional)

#### Analytical Services

Customized analysis, reports and services.

- Analytical Report Services
- Data Integration Services
- Reviewer Finder
- Custom Solution for Funders
- Scopus Custom Data
- Author Profile Refinement Services
- Fingerprint Engine

### COMPLEMENTARY TOOLS AND RESOURCES

#### Scopus

The largest abstract and citation database of peer-reviewed literature; the broadest source of global, relevant scientific research, with tools that track, analyze and visualize research.

#### Mendeley

A free reference manager and academic social network that can help organize research, collaborate with others online, and discover the latest research, as well as other meaningful trends in global research activity.

## What we support

### ENABLE RESEARCH



Develop Strategy



Identify/Recruit Researchers



Secure Funding



Establish Partnerships



Manage Facilities

### CONDUCT RESEARCH



Search, Discovery, Read, Review



Collaborate, Network



Experiment



Analyze, Synthesize

### SHARE RESEARCH



Manage Data



Publish, Disseminate



Commercialize



Promote

## Who we support

- Research Institutions
- Funders
- Policy makers

- Provosts
- Vice Chancellors Research
- Research Administrators/ Development Professionals
- Researchers
- Research Managers
- Department Heads
- Librarians
- Students
- Communications Professionals
- Technology Transfer Officers
- Grant Managers
- Legislators
- Economic Development Officers

# Scopus – the data source

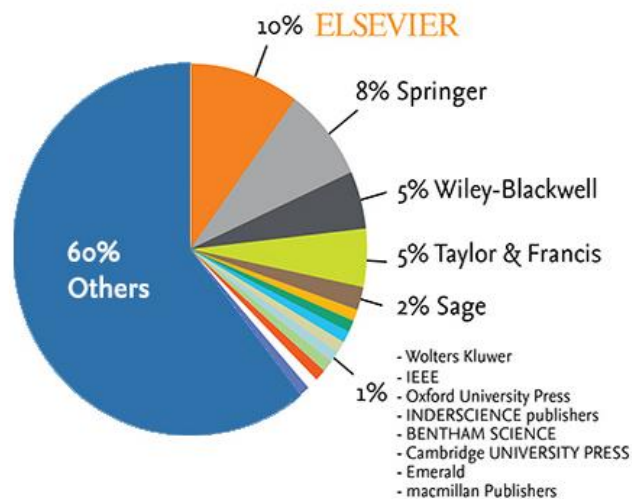
# Scopus®

The largest abstract and citation database of research information

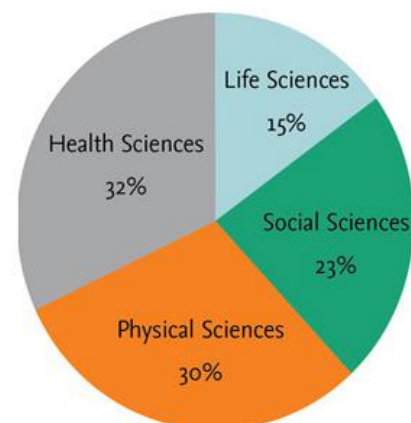
**60M+ records** and **22,000+** active titles from more than **5,000** international publishers including 4,200 gold open access journals

- **38M+ post-1995 records**
- **Includes articles-in-press**

Publishers indexed in Scopus



Subject coverage in Scopus



# Books

In 2013 Scopus began to cover scholarly books that represent fully referenced, original research or literature reviews.

**Subject areas:** Social Science and Arts Humanities, but also STM

**Coverage years:** Back to 2003

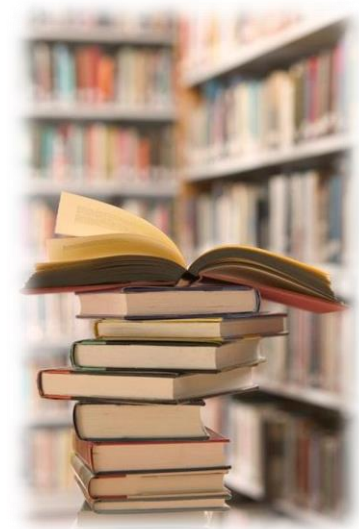
**Number of books:** >120,000

**Number of items (to chapter level):** >960,000

**Book types:** Monographs, Edited Volumes, Major Reference Works, Graduate level text books.

**Not in scope:**

Dissertation, Undergraduate level text book, Atlas,  
Popular science book, Manual, Abstract book,  
Yearbook, Biography



# Conferences

Scopus covers conference material as special issues of regular journals and dedicated conference proceedings.

**Number of conference items:** >7.2 million

**Dedicated conference proceedings:** >26,600

Coverage focused primarily on subjects where conference papers represent substantial portion of published research, e.g. engineering, computer science.





## How are titles selected?



- Titles are selected by the independent Content Selection & Advisory Board (CSAB)
- The CSAB is chosen for their expertise in specific subject areas; many will have previously been (Elsevier) Editors

	A	B	C	D	E	F
	Sourcerecord id	Source Title (CSA excl.) (Medline-sourced journals are indicated in Green). Including Conference Proceedings available in the scopus.com	Print-ISSN	E-ISSN	Coverage	Active or Inactive
1	Source Browse list					
14	19400157812	A.M.A. archives of pathology	00966711		1949-1960	Inactive
15	19400157813	A.M.A. archives of surgery	00966908		1950-1959	Inactive
16	5800207606	AAA, Arbeiten aus Anglistik und Amerikanistik	01715410		2002-ongoing	Active
17	28033	AAC: Augmentative and Alternative Communication	07434618	14773848	1995-ongoing	Active
18	50013	AACE International. Transactions of the Annual Meeting	15287106		2002-ongoing, 1996-1999, 1994, 1989	Active
19	19300156808	AACL Bioflux	18448143	18449166	2009-ongoing	Active
20	4700152443	AACN Advanced Critical Care	15597768		2006-ongoing	Active
21	26408	AACN clinical issues	10790713	15389812	1995-2006	Inactive
22	51879	AACN clinical issues in critical care nursing	10467467		1990-1994	Inactive
23	26729	AANA Journal	00946354		2002-ongoing, 1995-2000, 1986, 1978	Active
24	66438	AANNT journal / the American Association of Nephrology Nurses and Technicians	07441479		1982-1984	Inactive
25	5100155055	AAO Journal			2006-2008	Inactive
26	27096	AAOHN Journal	08910162		1986-2011	Inactive
27	30787	AAPG Bulletin	01491423		1968-ongoing	Active

Current title list available at

[http://www.elsevier.com/data/assets/excel\\_doc/0005/226742/title\\_list.xlsx](http://www.elsevier.com/data/assets/excel_doc/0005/226742/title_list.xlsx)



# Scopus data informs world rankings, national assessments and influential reports



## Trend:

- ✓ The most influential ranking body (**THE**), as well as the most prestigious national research assessments world-wide (**REF** and **ERA**) chose Scopus as their sole citation data provider
- ✓ 81% of the top 100 ranked universities use Scopus



Australian Government  
Australian Research Council



MAX-PLANCK-GESELLSCHAFT



Empowering Knowledge

# Scopus vs. Web of Science subject area compared



## Scopus

~22K titles

>5,000 publishers

Updated daily

**Scopus**  
22,245

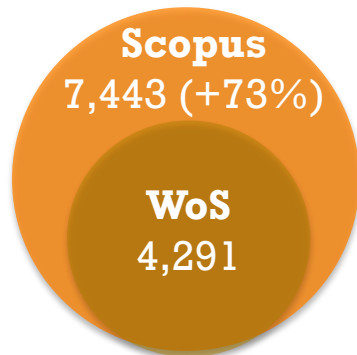
**Web of Science**  
12,410

## WEB OF SCIENCE™

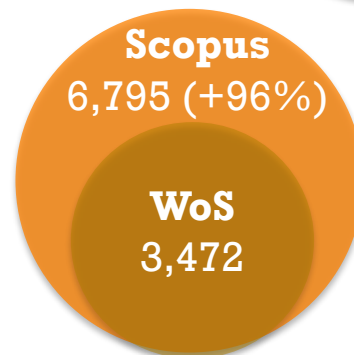
~12K titles (Core Collection)

3,300 publishers

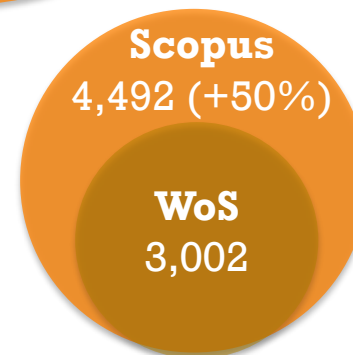
Updated weekly



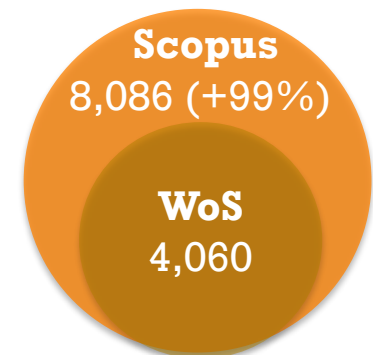
Physical Sciences



Health Sciences



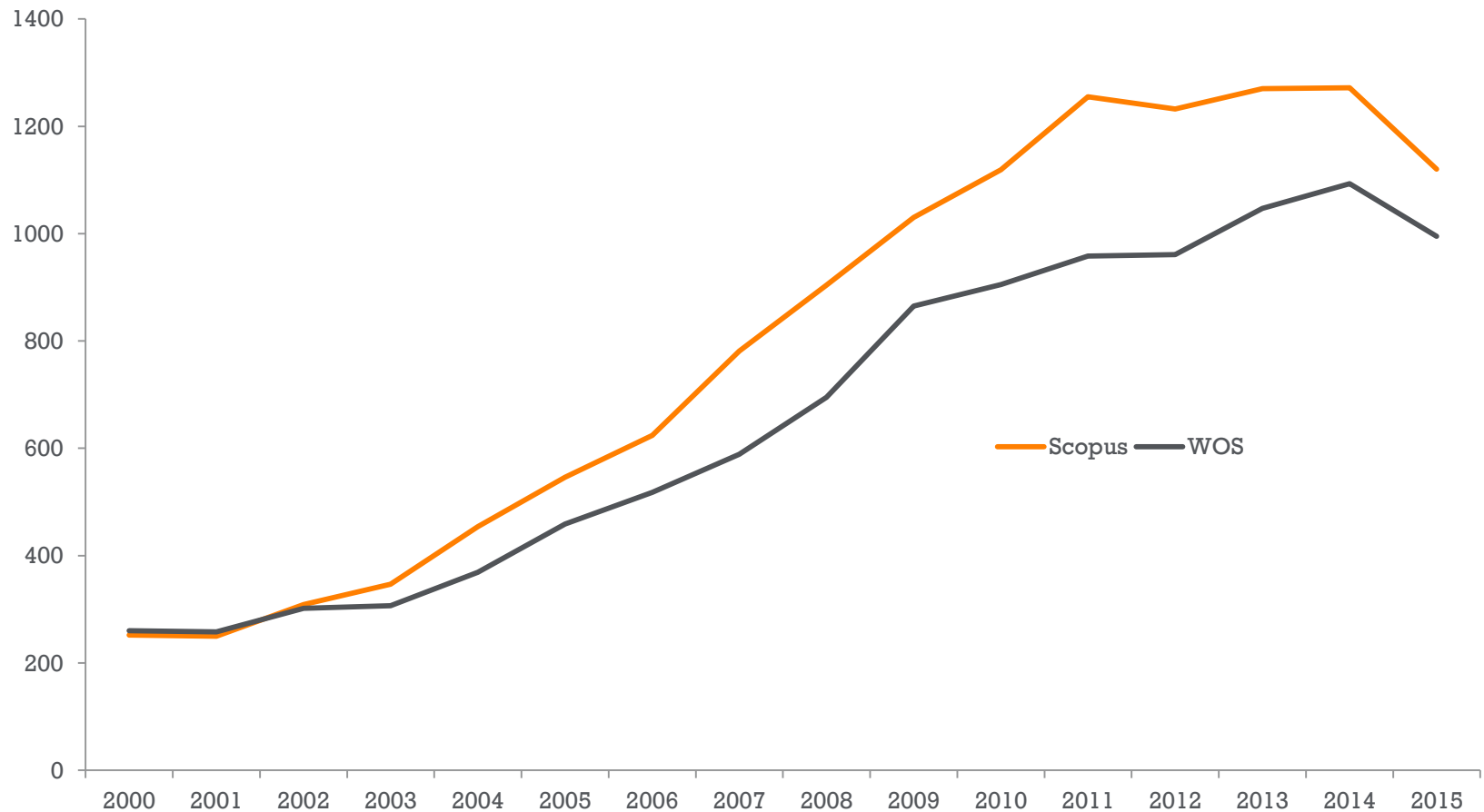
Life Sciences



Social Sciences

Empowering Knowledge

# Scopus v Web of Science for NUIG



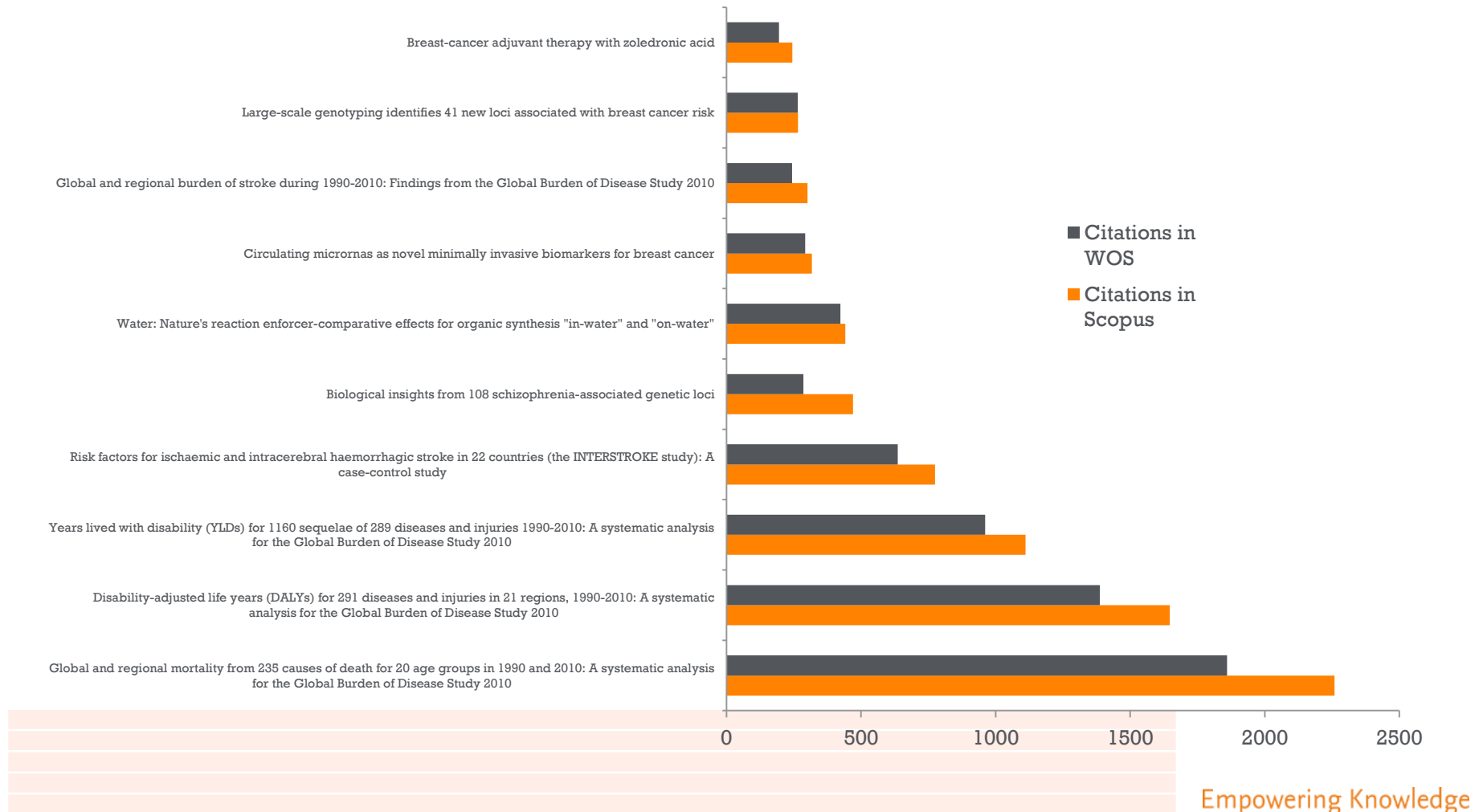
ORGANIZATION-ENHANCED: (National University of Ireland (NUI) Galway)

Refined by: DOCUMENT TYPES: ( ARTICLE OR PROCEEDINGS PAPER OR REVIEW )

Timespan: All years. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC.

AF-ID ( "National University of Ireland Galway" 60008539 ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) OR LIMIT-TO ( DOCTYPE , "cp" ) OR LIMIT-TO ( DOCTYPE , "re" ) )

# Scopus v Web of Science for NUIG



# SciVal overview

## SciVal provides research intelligence

SciVal can help..

- Identify research strengths
- Inform publication strategy – where do we/others publish
- Assess publication impact
- Demonstrate international reach
- Measure effectiveness and impact of collaborations
- Support recruitment & retention
- Provide objective research intelligence data



# Accessing SciVal at [www.scival.com](http://www.scival.com)

SciVal

Scopus SciVal

## Login

SciVal is a ready-to-use solution with unparalleled power and flexibility, which enables you to navigate the world of research and devise an optimal plan to drive and analyze your performance.

(\*required fields)

**Login using your Elsevier credentials**

Username:  \*

Password:  \*

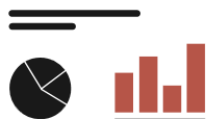
☒ Remember me

[Forgotten your username or password?](#)

If not, [Register Now](#)

New to SciVal? [Find out](#) what the new generation of SciVal can do for you.

Configure, visualize and export information according to your personal needs through SciVal's integrated modular platform:



### Overview

Get a high-level overview of the research performance of your Institution, other Institutions, Countries and Groups of Researchers.



### Benchmarking

Compare and benchmark your Institution to other Institutions, Researchers and Groups of Researchers using a variety of metrics.



### Collaboration

Explore the collaboration network of both your Institution and other Institutions.



### Trends

Get the current scientific trends to determine a new research strategy, find collaboration opportunities and rising stars.

Don't have access to SciVal? Complete the [consultation request form](#) to be contacted by your local account manager.

If you haven't previously registered for Scopus or ScienceDirect then please go to **Register Now**

# SciVal overview

With SciVal you have quick, easy access to the research performance of 220 nations and 4,600 research institutions worldwide.



## Overview

Overview

Get a high-level overview of the research performance of your Institution, other Institutions, Countries and Groups of Researchers.



## Benchmarking

Compare and benchmark your Institution to other institutions, Researchers and Groups of Researchers using a variety of metrics.



## Collaboration

Explore the collaboration network of both your Institution and other Institutions.



## Trends NEW

Get the current scientific trends to determine a new research strategy, find collaboration opportunities and rising stars.

# Research Entities

Entities in SciVal are groups of unique publications listed in Scopus. SciVal de-duplicates this set of publications when entities are combined



## Institutions and Groups

- Includes all research outputs where an author is listed as affiliated to that particular institution



## Researchers and Groups

- Includes all research outputs for a particular researcher, irrespective of affiliation



## Publication Sets

- A customised set of publications from an authors or authors. Can also be imported using DOI, PMID or EID



## Countries and Groups

- Includes all research outputs where an author is listed as affiliated to an institution within a particular country



## Research Areas

- A publication set defined by keywords, Scopus journal categories, by a set of journals or by SciVal competencies

# Groups of metrics in SciVal

	Productivity	Citation Impact	Collaboration	Disciplinarity	Snowball Metric	“Power metric”
Scholarly Output						
Journal Count						
Journal Category Count						
Citation Count						
Cited Publications						
Citations per Publication						
Number of Citing Countries						
Field-Weighted Citation Impact						
Collaboration						
Collaboration Impact						
Academic-Corporate Collaboration						
Academic-Corporate Collaboration Impact						
Outputs in Top Percentiles						
Publications in Top Journal Percentiles						
<i>h</i> -indices						

**Elsevier endorse the wider use of Snowball Metrics as an industry standard and use Snowball metrics in products such as Pure and Scival**

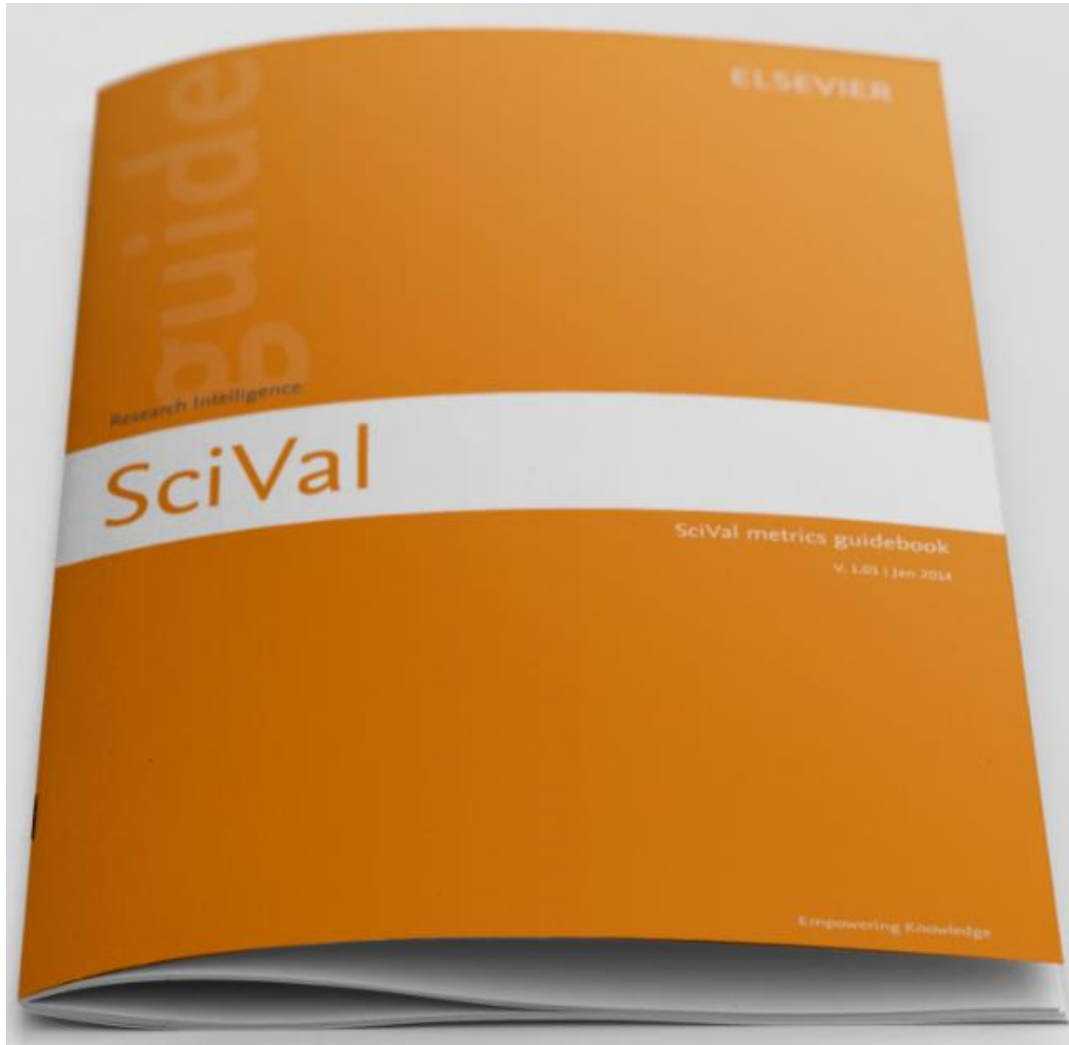
## The only metrics rule: triangulate!

Broad range of metrics is essential for you to be able to address your many questions, and to play by the only rule...

No single metric is perfect. Always use **at least two metrics** to give insight into your question

No data set is perfect. Always reinforce your evidence-based conclusions with at least one of, and ideally both, **peer review** and **expert opinion**

# SciVal Metrics Guidebook



- **Understanding metrics**
  - Scopus as data source
- **Selection of appropriate metrics**
  - What affects their values, besides performance?
- **For each metric**
  - Situations in which they are useful
  - When to take care and how to address shortcomings
  - Worked examples



# Live demonstration

Elsevier Research Intelligence

# Thank you!

For product info, please visit: [www.elsevier.com/research-intelligence](http://www.elsevier.com/research-intelligence)

Empowering Knowledge