

SciVal overview

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September 25th, 2014

Table of contents

- Introduction
- Scopus the data source of SciVal
- SciVal overview
- Live demonstration



Elsevier Research Intelligence

SciVal

Pure

Analytical Services

Scopus Mendeley

External view

Internal view

Custom analysis Rich data assets

Researcher productivity

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

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

Customized analysis, reports and services to meet vour research management needs.

The largest abstract and citation database of peer-reviewed literature; the broadest source of global scientific research. Includes content from 5,000 publishers with tools to easily track, analyze and visualize research.

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

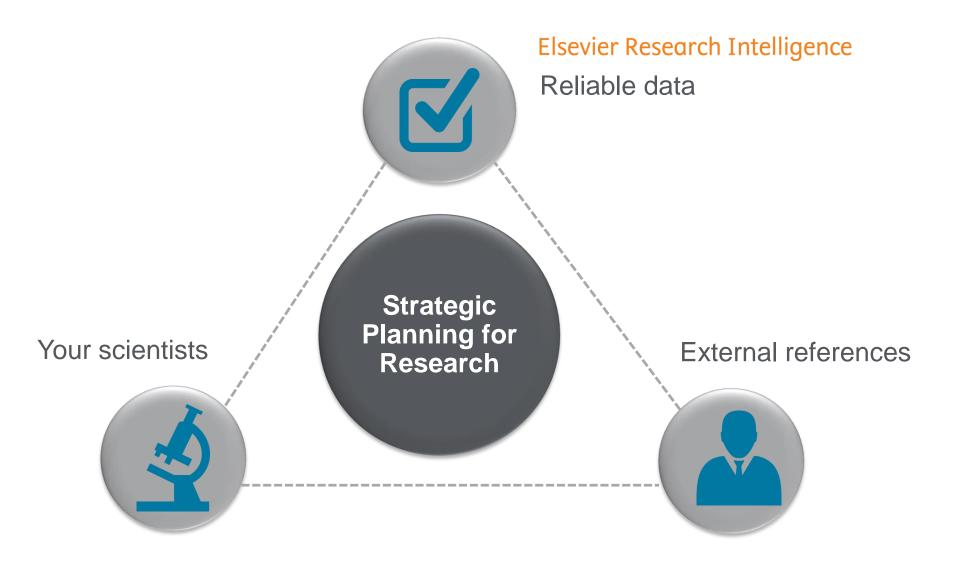
Informs research strategy







Make decisions by "triangulating" information sources





Scopus - The data source



About Scopus®



Scopus

- The largest abstract and citation database of research information with over 53 million records
- Updated daily, includes:
 - 21,900+ titles from more than 5,000 international publishers (independent review board)
 - 20,000+ peer-reviewed journals (including 2,800 open access journals)
 - 367 trade publications
 - 421 book series
 - **30,000 books** (75,000 by 2015)
 - 5.5 million conference papers
 - "Articles-in-Press" from more than 3,750 journals and publishers
- Coverage of:
 - Life Sciences
 - Health Sciences
 - Physical Sciences
 - Social Sciences
 - Arts and Humanities
- Cited Reference expansion of pre-1996 references (back to 1970 by 2016)
- Independent journal metrics:
 - SNIP: The Source-Normalized Impact per Paper
 - SJR: The SCImago Journal Rank
 - **IPP**: The impact per Paper
- Connectivity with ORCID

What content does Scopus include?

Physical Sciences 6.600

Health Sciences 6,300

Social Sciences 6,350

Life Sciences 4,050

JOURNALS

21,912 peer-reviewed journals367 trade journals

- Full metadata, abstracts and cited references (pre-1996)
- >2,800 fully Open Access titles
- Going back to 1823
- Funding data from acknowledgements

CONFERENCES

17k events5.5M records (10%)

Conf. expansion: 1,000 conferences 6,000 conf. events 400k conf. papers 5M citations

Mainly Engineering and Physical Sciences

BOOKS

421 book series

- 28K Volumes
- 925K items

29,917 books - 311K items

Books expansion: **75K** books by 2015

Focus on Social
 Sciences and A&H

PATENTS

24M patents from 5 major patent offices

Scopus cited references expansion program

Scopus will add cited references to 8 Million pre-1996 articles going back to 1970.



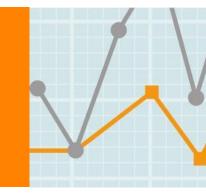
Development of required systems and processes has already started

The first content with pre-1996 cited references will be visible in Q4 2014 (Elsevier & Springer)

Project will be completed by 2016 when >8M articles from all major publishers have been loaded



SciVal overview



SciVal overview

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

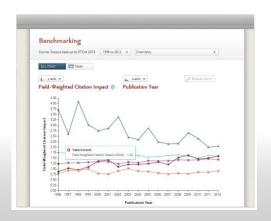


Ready-made-at a glance snapshots of any selected entity





Flexibility to create and compare any research groups





Identify and analyze existing and potential collaboration opportunities



Key questions SciVal addresses:

Because SciVal uses advanced data analytics and super-computer technology, users can instantly configure and process enormous amounts of data, and generate on-demand data visualizations relevant to specific challenges.



management

How can we demonstrate excellence in a way that best shows our unique strengths to secure funding and attract students?



Researcher

I want to use scenarios to assess the various options I'm considering to set up a centre of excellence. Which is the best option, based on insights from the data?



Research administrator

My vice chancellor is going to China. Whom do our academics collaborate with there?

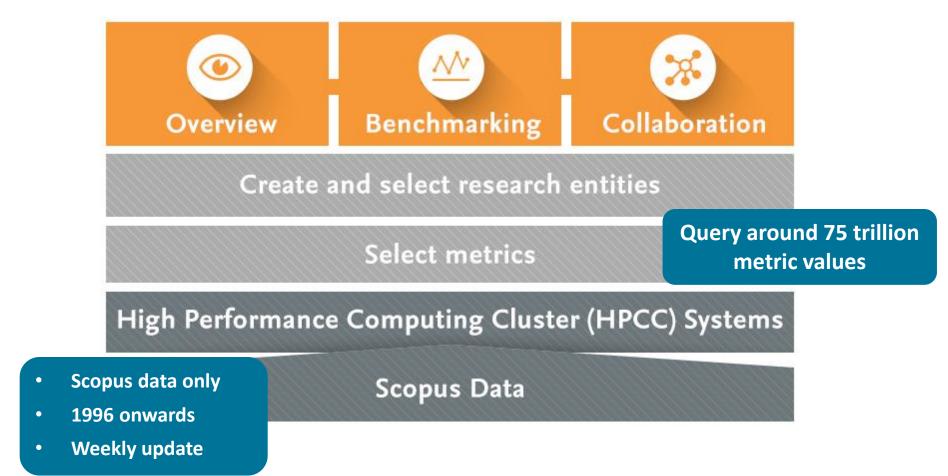
I want to benchmark my institute against its peers, and my departments also want to benchmark themselves. How can we all do this effectively to suit our different circumstances?



Research executive

The structure of SciVal

Using advanced data analytics technology, SciVal allows you to instantly process an enormous amount of data to generate powerful data visualizations on-demand, in seconds.

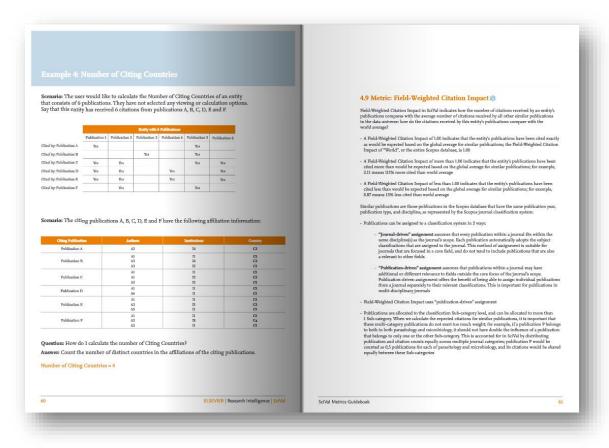


Groups of metrics in SciVal

	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						
h-indices						

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

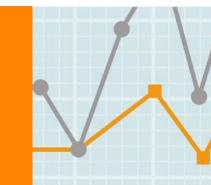
SciVal Metrics Guidebook



- 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



SciVal – Some live examples





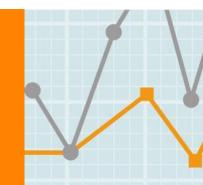
Thank you!

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Appendix: Examples of what SciVal can do for you?



Benefits for a broad range of users

SciVal supports the needs of a broad range of institutional users by providing ready-made, at-a-glance snapshots for flexible, institution-specific insight



Vice chancellors of research

- 360 degree Performance Overview to inform strategic planning
- Identify institution's strengths and short-comings



Research administrators

- Create management-level reports
- Accelerate institutional and cross-institutional collaboration
- Support and win large grants



Department heads

- Evaluate researcher and team performance for recruitment and retention decisions
- Model-test scenarios by creating virtual teams



Researchers

- Raise visibility and highlight achievements
- Expand networks
- Locate collaborators and mentors

What are the questions addressed using SciVal?

"How can we demonstrate excellence in a way that best shows our unique strengths to secure funding and attract students?"



"My VC is going to China; who do our academics collaborate with there and how can we expand?" "I want to explore the various scenarios I'm considering to set up a centre of excellence. How can the data provide me with insights?"

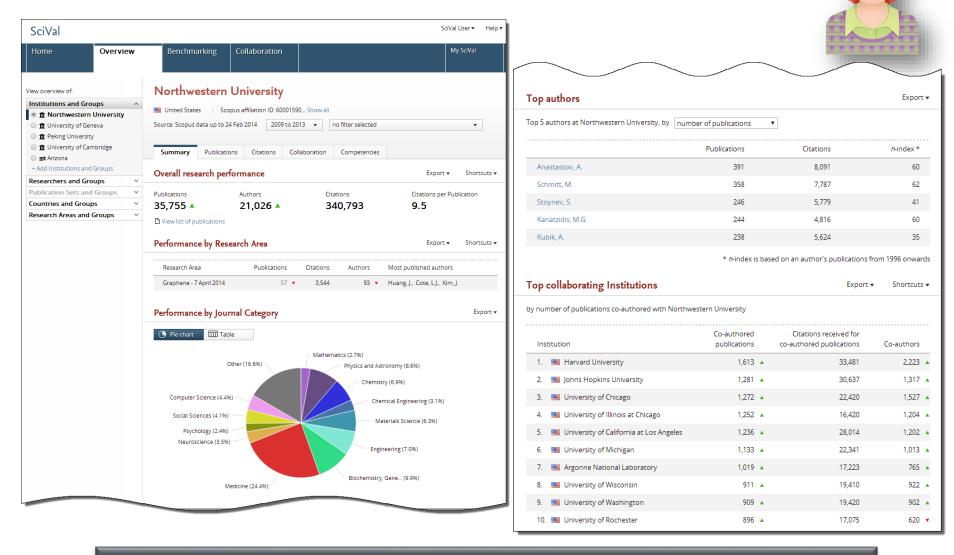


"I want to benchmark my institute, and my departments want to benchmark themselves. How can we all do this according to our different realities?"





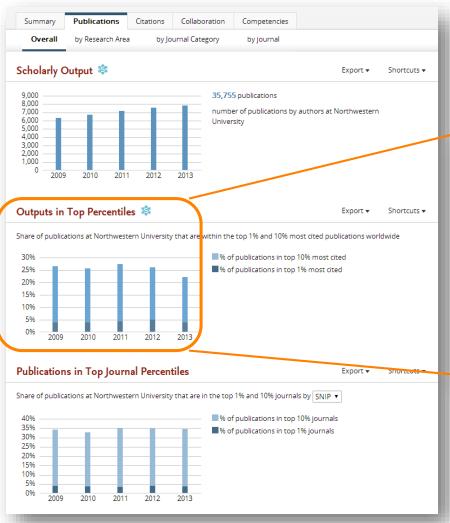
"How can we demonstrate excellence in a way that best shows our unique strengths to secure funding and attract students?"



View the disciplinary focus of your institutions and your top researchers



Look through different metrics to identify ones that demonstrates your institution's research excellence

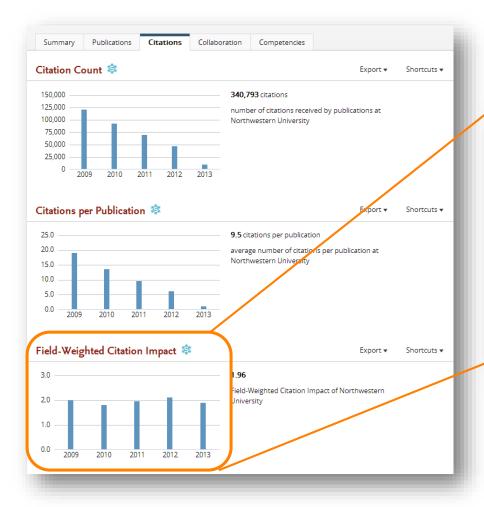


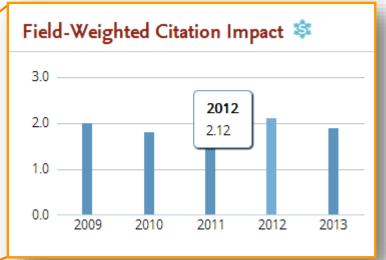


See how many of your publications fall into the top 1% and 10% of the most cited articles in the world



Look through different metrics to identify ones that demonstrates your institution's research excellence



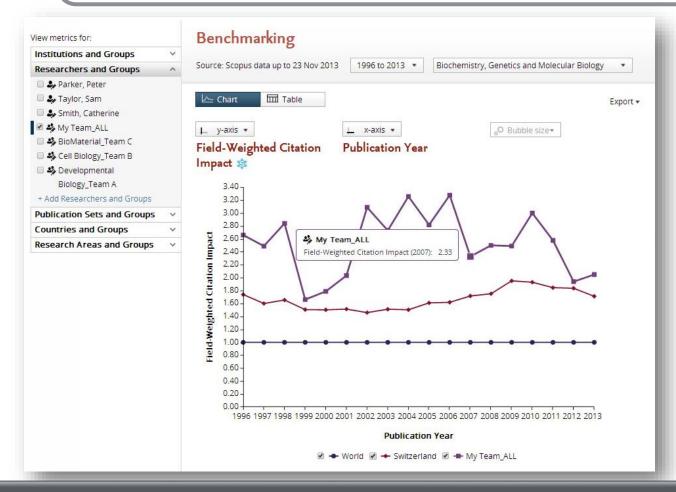


View Field-Weighted Citation Impact that normalizes citation behavior for differences in size, field and publication-type



"I want to explore the various scenarios I'm considering to set up a centre of excellence. How can the data provide me with insights?"





Test scenario by creating virtual teams and compare using multiple metrics

17 sets of metrics at your disposal

Slice and dice your data from multiple angles to identify your core strengths and weaknesses

Productivity metrics



Scholarly Output h-indices (h, g, m)

Citation Impact metrics



Citations per Publication

Cited Publications

h-indices (*h*, *g*, *m*)

Field-Weighted Citation Impact

Publications in Top Percentiles

Publications in Top Journal Percentiles

Collaboration Impact (geographical)

Academic-Corporate Collaboration Impact

Collaboration metrics



Authorship Count
Number of Citing Countries

Collaboration (geographical)

Academic-Corporate Collaboration

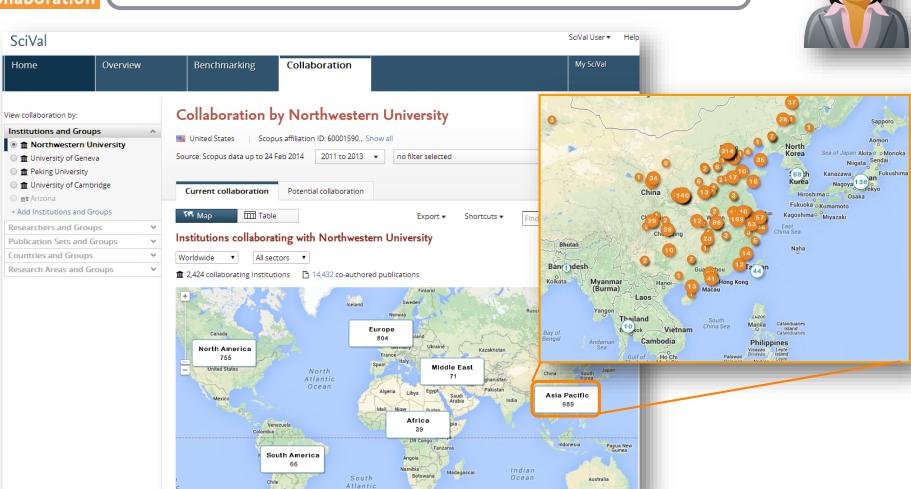
Disciplinarity metrics

Journal count
Journal category count





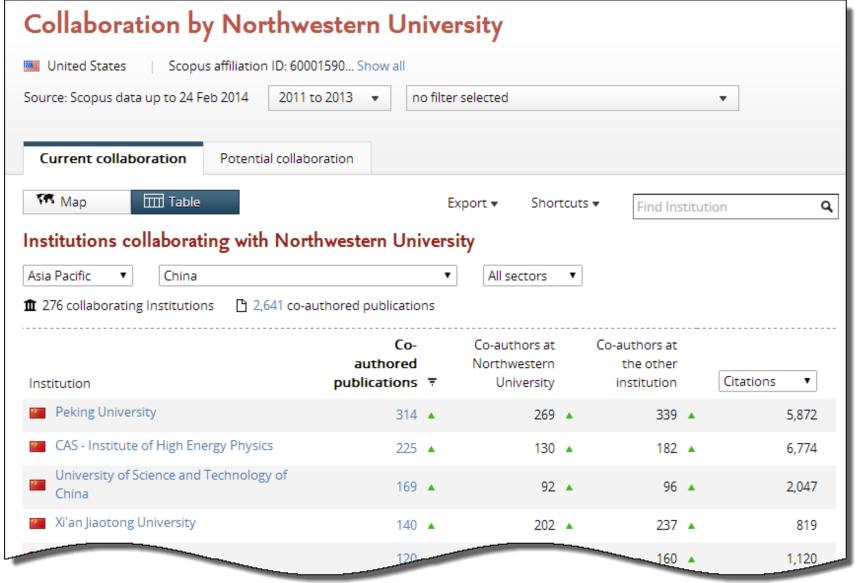
"My VC is going to China; who do our academics collaborate with there and how can we expand?"



Drill into the Google map to identity your collaboration partners in China

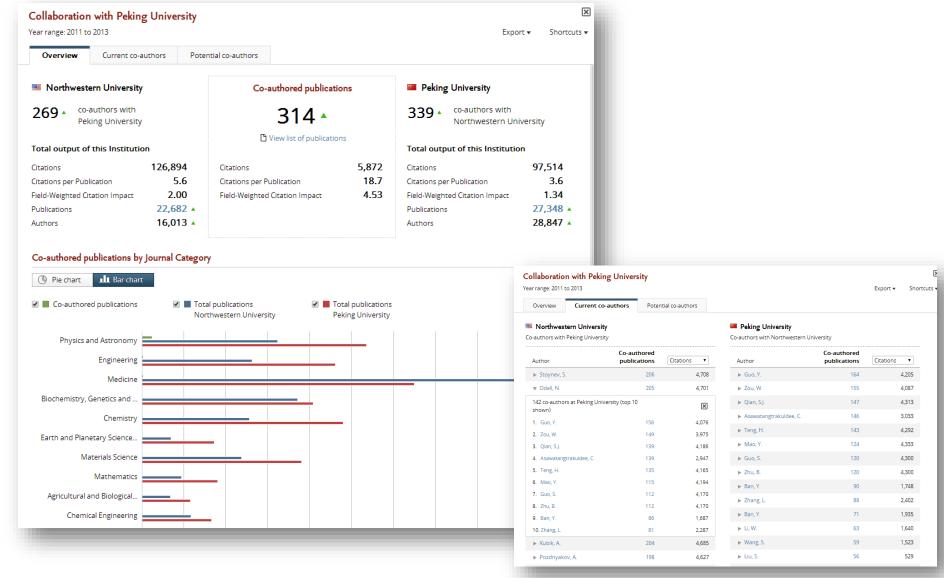


Identify existing and potential collaboration partners



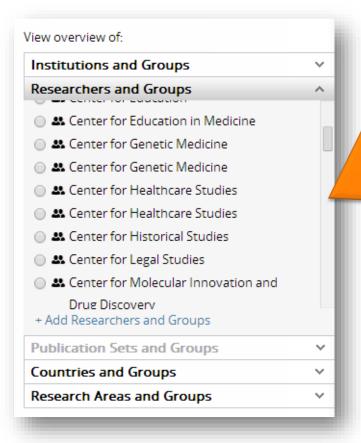


Assess the activity level and identify researchers



"I want to benchmark my institute, and my departments want to benchmark themselves. How can we all do this according to our different realities?"





SciVal provides an option to:

- create your own researcher groups (publication groups soon), or
- as an optional paid service, have pre-populated groups of researchers added to SciVal as your institution's pre-defined entities. Elsevier will perform the manual refinement of researcher. profiles to ensure appropriate matching of Scopus records to each identified researcher.

You can easily benchmark departments and teams by pre-populating the organizational hierarchy in SciVal