Witamy w społeczności użytkowników SciVal w Polsce!

Created by Elsevier, February 2018.
Welcome to the Polish SciVal user community!

Starting January 2018, Elsevier’s SciVal solution is available to all universities and research institutions in Poland.

- **Who is SciVal for?** Researchers
  - Research managers
  - Research administrators
  - Research evaluators

- **SciVal enables analysis of...** research performance of individuals, research groups, institutions, collaboration networks, areas and topics of research.

- **SciVal is incredibly flexible and easy to navigate.**
  - Get started right away and perform insightful analysis within minutes!

- **Scival is based Scopus. The most comprehensive data source in the world**
  - Scopus is the most widely used and trusted data source for researchers and research evaluators worldwide. It has a distinct content advantage for Poland and Central&Eastern Europe.
Welcome to the Polish SciVal user community!

*Become an active user of Polish SciVal Community*

- **Join our**
  - **online** trainings
  - **SciVal Forum** in your city
  - **onsite** trainings
  - and most importantly, **SciVal Research Evaluation Academy**.

  *Currently, we’re working on more Polish content and guides, more information will come your way soon.*

- **Provide a feedback and tell your stories on how you use SciVal!**

  Just stay tuned!

<table>
<thead>
<tr>
<th>Check our webpage</th>
<th>elsevier.com/scival-polska</th>
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<tbody>
<tr>
<td>Subscribe for news</td>
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<td><a href="https://www.facebook.com/ElsevierPolska">https://www.facebook.com/ElsevierPolska</a></td>
</tr>
</tbody>
</table>
Accessing SciVal at www.scival.com

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.

Login using your Elsevier credentials

Username: m.walker.1@elsevier.com *
Password: ***********

If not, Register Now

Login Cancel

Forgot your username or password?

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. Use VPN off-campus or ask Shelly for a Remote Access link.
SciVal in a nutshell

SciVal offers quick, easy access to the research performance of 220 nations and 9,000 research institutions worldwide, and groups of institutions.

- **Visualize research performance**
- **Benchmark your progress**
- **Develop collaborative partnerships**
- **Analyze research trends**

**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**
**Analyze research trends to discover the top performers and rising stars**
The layers of SciVal

Data in SciVal is *updated every 2 weeks*. Thus, you’re always guaranteed with most up-to-date information.

Big Data technology

Publication, citation and usage data (Scopus & ScienceDirect)
Awarded grants, mass media mentions, patent-article citations
The foundation of SciVal

ScienceDirect
Usage data

Scopus
Publication, Citation, usage data

newsflo
bespoke media monitoring

Publication, citation and usage data (Scopus & ScienceDirect)
mass media mentions, patent-article citations
What can SciVal do?
**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.

<table>
<thead>
<tr>
<th>Role</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Vice chancellors of research</td>
<td>- 360 degree Performance Overview to inform strategic planning</td>
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<td></td>
<td>- Identify institution’s strengths and short-comings</td>
</tr>
<tr>
<td>Research administrators</td>
<td>- Create management-level reports</td>
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<td></td>
<td>- Accelerate institutional and cross-institutional collaboration</td>
</tr>
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<td></td>
<td>- Support and win large grants</td>
</tr>
<tr>
<td>Department heads</td>
<td>- Evaluate researcher and team performance for recruitment and retention decisions</td>
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<td></td>
<td>- Model-test scenarios by creating virtual teams</td>
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<tr>
<td>Researchers</td>
<td>- Raise visibility and highlight achievements</td>
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<tr>
<td></td>
<td>- Expand networks</td>
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<tr>
<td></td>
<td>- Locate collaborators and mentors</td>
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</table>
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?”

“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?”

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

“How can I see who’s excelling in a specific subject compared to my researchers, for potential collaboration opportunities?”
“How can we demonstrate excellence in a way that best shows our unique strengths to secure funding and attract students?”
Topic Prominence in Science

• We have identified ~97,000 global research topics by clustering all of Scopus and ranked them by Prominence.

• Prominence is a new indicator that shows the current momentum of a topic by looking at very recent citations, views and CiteScore values.

• Prominence = momentum (not the same as importance!).

• Prominence predicts funding – helps researchers and research managers identify topics which are likely to be well funded.

• Going way beyond what the competition can do…
**Topic Prominence in Science – First of its kind**

The first truly global detailed research portfolio analysis, which takes SciVal beyond evaluation and benchmarking. This has never been done before – we use all of Scopus to form topics.

- **Who’s leading the way** – we can identify emergent topics with high momentum to understand who is currently leading the way.
- **What’s related** – We can tell you how the topics are related to your research portfolio.
- **A better reflection of reality** – topics are an excellent reflection of reality since they are based on citation patterns and not journal categories and are therefore truly multidisciplinary.
### Warsaw University of Technology

<table>
<thead>
<tr>
<th>Topic</th>
<th>Scholarly Output</th>
<th>Publication Share</th>
<th>Field-Weighted Citation Impact</th>
<th>Worldwide Prominence percentile</th>
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</thead>
<tbody>
<tr>
<td>Ionic liquids; Phase equilibria; liquid-liquid equilibria</td>
<td>95</td>
<td>9.92% ↑</td>
<td>2.40</td>
<td>98.868</td>
</tr>
<tr>
<td>T.3334</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>conferences; Photonics; optical fibers</td>
<td>85</td>
<td>19.77% ↓</td>
<td>1.20</td>
<td>61.724</td>
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<td>T.23448</td>
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<tr>
<td>collisions; jets; jet quenching</td>
<td>79</td>
<td>6.02% ↑</td>
<td>2.37</td>
<td>97.731</td>
</tr>
<tr>
<td>T.649</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electromagnetic compatibility; Reliability; Measurements</td>
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<td>24.76% ↑</td>
<td>2.77</td>
<td>85.162</td>
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<tr>
<td>T.35447</td>
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<tr>
<td>collisions; ionic collisions; viscous hydrodynamics</td>
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<td>3.81% ↑</td>
<td>3.68</td>
<td>99.225</td>
</tr>
<tr>
<td>T.633</td>
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<td></td>
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</tr>
<tr>
<td>jets; production; parton shower</td>
<td>71</td>
<td>3.79% ↑</td>
<td>2.30</td>
<td>99.812</td>
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<tr>
<td>T.1026</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Holograms; Holographic displays; holographic projection</td>
<td>62</td>
<td>5.83% ↑</td>
<td>1.15</td>
<td>93.948</td>
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<tr>
<td>T.3619</td>
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</table>
Topic Prominence: Wheel of Science

Warsaw University of Technology

Researchers at the Warsaw University of Technology have contributed to 4,231 topics between 2012 to 2017.

Browse Topics

Bubble size: Scholarly Output of Warsaw University of Technology
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.

University of Warsaw

- Citation Count
  - 102,897: number of citations received by publications at the University of Warsaw

- Citations per Publication
  - 7.5: average number of citations per publication at the University of Warsaw

Field-Weighted Citation Impact

- 2017: 1.35

2012 to 2017: no subject area filter selected

Summary | Topics | Awarded Grants | Collaboration | Published | Viewed | Cited | Economic Impact | Societal Impact | Authors
---|---|---|---|---|---|---|---|---|---
“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.
International collaboration correlates strongly with publication impact (FWCI)
SciVal Metrics Guidebook Guidebook

Comprehensive metrics guidebooks intended to be a straightforward, practical companion for you to find the right metrics to meet your objectives.

- **Understanding metrics**
  - Scopus as data source
  - Usage data as a 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 short-comings
  - Worked examples

Available for *free* from www.elsevier.com/ri
“My VC is going to China; who do our academics collaborate with there and how can we expand?”

Drill into the Google map to identify your collaboration partners in China.
Identify existing and potential collaboration partners

Collaboration by the University of Warsaw

Current collaboration  Potential collaboration

Institutions collaborating with the University of Warsaw

<table>
<thead>
<tr>
<th>Institution</th>
<th>Co-authored publications</th>
<th>Co-authors at the University of Warsaw</th>
<th>Co-authors at the other institution</th>
<th>Field-Weight</th>
<th>Field-Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peking University</td>
<td>590</td>
<td>99</td>
<td>137</td>
<td>3.96</td>
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<tr>
<td>CAS – Institute of High Energy Physics</td>
<td>338</td>
<td>85</td>
<td>308</td>
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<td>Beihang University</td>
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<td>Tsinghua University</td>
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<td>279</td>
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<tr>
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<td>24</td>
<td>56</td>
<td>1.49</td>
<td>2.09</td>
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<tr>
<td>University of Science and Technology of China</td>
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<td>37</td>
<td>61</td>
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<td>Shanghai Astronomical Observatory Chinese Academy of Sciences</td>
<td>9</td>
<td>25</td>
<td>5</td>
<td>36.06</td>
<td>14.30</td>
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<tr>
<td>Sun Yat-Sen University</td>
<td>9</td>
<td>20</td>
<td>16</td>
<td>11.80</td>
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</table>
Assess the activity level and identify researchers

### Collaboration with Peking University

#### Year range: 2012 to 2017

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<tr>
<th>Overview</th>
<th>Current co-authors</th>
<th>Potential co-authors</th>
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<tr>
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</tr>
<tr>
<td>Authors</td>
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<tr>
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<tr>
<td>Field-Weighted Citation Impact</td>
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<td>279,413</td>
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</table>

#### Co-authored publications by Subject Area

- Physics and Astronomy
- Earth and Planetary Sciences
- Mathematics
- Agricultural and Biological Sciences
- Biochemistry, Genetics and Molecular Biology
- Chemistry
- Computer Science
- Engineering
- Environmental Science
- Social Sciences
- Arts and Humanities

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<table>
<thead>
<tr>
<th>Author</th>
<th>Co-authored publications</th>
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<td>Kaczynski, Jaromir</td>
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<td>Konieczki, Mariusz</td>
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<td>Knoll, Jan</td>
<td>556</td>
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<td>Kudlikowski, Karol</td>
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<td>Mieczka, Marek</td>
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<td>Bener, Grzegorz</td>
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<td>16,938</td>
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<td>Oleckiewicz, Michal</td>
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<tr>
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<td>( )</td>
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</table>
“How can I see who’s excelling in a specific subject compared to my researchers, for potential collaboration opportunities?”

Choose or create your own Research Area in SciVal
Choose a specific key phrase within the Research Area, then view the performance of the top institutions, countries, authors and journals and compare them to your institution for potential synergies.
SciVal - Solution to your strategic planning challenges

Gain immediate access to view and analyze the world’s research to:

• View the ready-made, at-a-glance snapshot of your research performance or of any team or institution around the world
• Benchmark your team’s or institution’s performance against any set of peers.
• Model test scenarios by creating virtual teams and newly emerging research areas.
• Evaluate existing and identify potential collaborative partnerships, locally or globally
• Track and monitor top performers and rising stars for any research topic of interest.

www.elsevier.com/research-intelligence
Background to Research Metrics and Data
Research Metrics Can Be Used to...

- Analyze the strengths of research at the institution
- Determine where research is a good potential investment
- Demonstrate Return on Investment of research money
- Identify rising stars amongst the early career researchers
- Tell a better narrative about everything that is happening with research
How to choose a metric

Always use both qualitative and quantitative input into your decisions

Always use more than one research metric as the quantitative input

There are 6 factors, which can affect the value of a metric:
• Size
• Publication-type
• Manipulation
• Discipline
• Database coverage
• Time

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<td>Collaboration</td>
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<td>Collaboration Impact</td>
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<td>Academic-Corporate Collaboration</td>
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<td>Academic-Corporate Collaboration Impact</td>
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<td>Outputs in Top Percentiles</td>
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<tr>
<td>h-indices</td>
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</table>
SciVal Metrics Guidebook

This comprehensive metrics guidebook is intended to be a straightforward, practical companion for you to find the right metrics to meet your objectives.

- **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 short-comings
  - Worked examples
A basket of >30 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
- Outputs in Top Percentiles
- Publications in Top Journal Percentiles

**Citation Impact metrics**
- Citation Count
- Citations per Publication
- Cited Publications
- Number of Citing Countries
- $h$-indices ($h, g, m$)
- Field-Weighted Citation Impact
- Citing-Patent Count
- Patent-Cited Scholarly Output
- Patent-Citations Count
- Patent-Citations per Scholarly Output

**Collaboration metrics**
- Collaboration (geographical)
- Collaboration Impact (geographical)
- Academic-Corporate Collaboration
- Academic-Corporate Collaboration Impact

**Disciplinarity metrics**
- Journal count
- Journal category count

**Usage metrics (Trends module)**
- Views Count
- Views per Publication
- Field-Weighted Views Impact

**Societal Impact Metrics**
- Mass Media
- Media Exposure

Snowball Metric; [www.snowballmetrics.com/metrics](http://www.snowballmetrics.com/metrics)
**Scopus** is the largest abstract and citation database of peer-reviewed literature, and features smart tools that allow you to track, analyze and visualize scholarly research.

**Scopus** delivers a comprehensive view on the world of research. No packages, no add-ons. One all-inclusive subscription.
The Scopus data model

The Scopus data model is designed around the notion that **articles** are written by **authors** that are **affiliated with institutions**. Visually and rather simplistically, this relational model is represented below.

Scopus Data Model Simplified

**What is the value of this structured data?** This relational data model means that Scopus can tell you **who is doing what** in global literature and **where they are doing it** with **higher accuracy** than anyone else.
Global Representation means global discovery
Across all subjects and content types

Scopus includes content from more than 5,000 publishers and 105 different countries

- 40 different languages covered
- Updated daily
- Multiple regional content types covered (journals, conferences, books, book series)

<table>
<thead>
<tr>
<th>Journals</th>
<th>Conferences</th>
<th>Books</th>
</tr>
</thead>
<tbody>
<tr>
<td>23,507</td>
<td>106K</td>
<td>613</td>
</tr>
<tr>
<td>Peer-reviewed journals</td>
<td>Conference events</td>
<td>Book series</td>
</tr>
<tr>
<td>301</td>
<td>8.3M</td>
<td>38K</td>
</tr>
<tr>
<td>Trade journals</td>
<td>Conference papers</td>
<td>Volumes</td>
</tr>
<tr>
<td>3,784</td>
<td>Mainly Engineering and Computer Sciences</td>
<td>1.5M</td>
</tr>
<tr>
<td>Active Gold Open Access journals</td>
<td></td>
<td>Stand-alone books</td>
</tr>
<tr>
<td>&gt; 8,000</td>
<td></td>
<td>165,768</td>
</tr>
<tr>
<td>Articles in Press</td>
<td></td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Full metadata, abstracts and cited references</td>
<td>1.34M</td>
</tr>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Source: Scopus.com, January 30, 2018
Global Representation means global discovery
Across all subjects and content types

Global Representation (number of titles)

North America
6,000+
50% more than nearest competitor

Middle East & Africa
750+
212% more than nearest competitor

Western Europe
11,000+
69% more than nearest competitor

East Europe incl. Russia
1,400+
168% more than nearest competitor

Latin America
700+
168% more than nearest competitor

Asia Pacific
2,000+
230% more than nearest competitor

Australia/New Zealand
300+
206% more than nearest competitor
Scopus Data: The Gold Standard

The Gold Standard

Scopus is selected for its excellence by

4,500 universities

150 leading research organizations

who continue to choose Scopus for research assessment and evaluation purposes over any other competitor.
Scopus is the Gold Standard:
More than 150 leading research organizations rely on Scopus data

Rankings:
Comparison with nearest peer

**Scopus**

~22K titles >5,000 publishers Updated daily

**Web of Science**

~18.6K titles (Core Collection + ESCI)
3,300 publishers Updated weekly

Source: Web of Science Real Facts, Web of Science title list and Scopus’ own data (October 2017)
Scopus selects high quality journals via the independent Content Selection & Advisory Board (CSAB)

The CSAB is chosen for their expertise in specific subject areas; many have (journal) Editor and Reviewer experience.

Research Intelligence

**SciVal**

**Strategic positioning**

Ready-to-use tools to visualize research performance, benchmark relative to peers, develop partnerships and analyze research trends to evaluate and execute optimized strategies for the research organization.

**Pure**

**Resource optimization**

Comprehensive research information management system and research networking tool to enable evidence-based decisions, promote collaboration, facilitate faculty activity reporting, simplify administration and optimize impact.

**Expert Lookup**

Find researchers who meet your funding priorities and locate the right reviewers for papers and grant applications based on text mining of abstracts.

**Analytical Services**

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

**Scopus**

**Rich data assets**

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.

**Mendeley**

**Researcher productivity**

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

**Elsevier Fingerprint Engine™**

Mines the text of scientific documents – from publication abstracts and proposals to funding announcements, awards, and patents – to create a semantic Fingerprint™ index of key weighted terms for a single text. Search across Fingerprints of people, publications, funding opportunities and ideas to reveal insightful connections.
Scopus: Underlying data and metrics for Research Intelligence portfolio
Getting help
Getting Help

• The spine menu will provide a line to help documentation

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What is SciVal?

SciVal is a set of integrated modules that enables your institution to make evidence-based strategic decisions. SciVal consists of four modules:

- **Overview** - Get an overview of the research performance of your institution and others based on output, impact, and collaborations.

- **Benchmarking** - Determine your strengths and weaknesses. Compare your research institution and teams to others based on performance metrics. Model different test scenarios.

- **Collaboration** - Identify and analyze existing and potential collaboration opportunities. Identify suitable collaboration partners. See who others are collaborating with.

- **Trends** - Analyze Research Areas to find top performing universities, authors and Scopus sources. Spot growing and declining topics in the field.
SciVal online manual

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Visualize research performance

Comprehensive summaries of any desired research entities such as institutions, countries, research groups and topics.

1. Overview tab provides you with at-a-glance research performance overviews of any selected institutions, countries, research topics and more.
2. Select entity tab allows you to select any research entities from:
   - Institutions and Groups
   - Researchers and Groups
   - Countries and Groups
   - Research Areas and Groups
3. Add an institution or a country by typing the name in the search box, and SciVal will provide you with a list of pre-defined institutions, countries and groups to select from.
4. Select year range(s):
   - 3 years
   - 3 years current year
   - 5 years
c
5. Select year range(s):
   - 3 years + current year
   - 3 years + current year + beyond current year
   - 5 years + current year
What’s new in SciVal?

Stay up-to-date on our latest releases and improvements via scival.com
• Read and share our exciting Twitter updates
• “New in this Release” news section >> see the latest release elements
• SciVal Development Roadmap >> see what’s coming up for SciVal in 2018 and beyond
• Access the latest SciVal Webinars
• Learn exciting new Tips & Tricks via our virtual tour guide in SciVal