

Research Intelligence

SciVal

Quick Reference Guide



SciVal offers quick, easy access to the research performance of over 16,200 research institutions and 230 nations worldwide—so you can visualize research performance, benchmark relative to peers, develop collaborative partnerships and analyze research trends.

SciVal offers quick, easy access to the research performance of over 16,200 research institutions and 230 nations worldwide. A ready-to-use solution with unparalleled power and flexibility, SciVal enables you to navigate the world of research and devise an optimal plan to drive and analyze your performance.

Data source

SciVal is based on output and usage data from Scopus, the world's largest abstract and citation database for peer-reviewed publications.

SciVal uses Scopus data from 1996 to current date, which covers over 48 million records:

- 21,000 serials from 5,000 publishers. These include:
- 22,000+ peer-reviewed journals
- 360 trade publications
- 1,100 book series
- 5.5 million conference papers

Metrics

SciVal offers a broad spectrum of industry-accepted and easy-to-interpret metrics including Snowball Metrics which are global standard metrics defined and agreed by higher education institutions for institutional strategic decision making through benchmarking.

Metrics in SciVal help the institutions to measure an institution's or a country's productivity, citation impact, collaboration, subject disciplinaryity and more.

For further information about the metrics available in SciVal and how to use them together please see [the Research Metrics Guidebook](#)



ELSEVIER

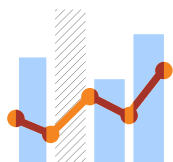
Build your views on the world's research



Visualize research performance

Access comprehensive research performance summaries of any desired research entities, identify their unique research strengths and multidisciplinary research areas.

- Retrieve at-a-glance, standardized reports instantly
- Access competency maps for all institutions and countries
- Topics allow you to create a complete portfolio overview in a matter of minutes



Benchmark your progress

Compare the performance of any institutions, countries, and pre-defined groups, or create your own research areas and monitor progress over time.

- Perform in-depth analyses to meet your specific objectives by selecting any combination of 7 subject areas and metrics from a comprehensive set
- Identify your relative strengths and weaknesses to optimize your strategy



Create customized Reports

Create analyses from across the modules, combine a selection of analyses to create uniquely tailored Reports. Save your most utilized reports in SciVal to export and share whenever you need it.

- Edit the analyses, adding and removing entities, changing the year range and/or selecting more metrics and save.
- Share Reports with other SciVal users within your Institution.



Develop collaborative partnerships

Identify and analyze existing and potential collaboration opportunities based on publication output and citation impact.

- Explore your institution's current and prospective partnerships on the map view
- Identify your top collaborative institutions and co-authorship by drilling into specific subject areas and self-defined research topics



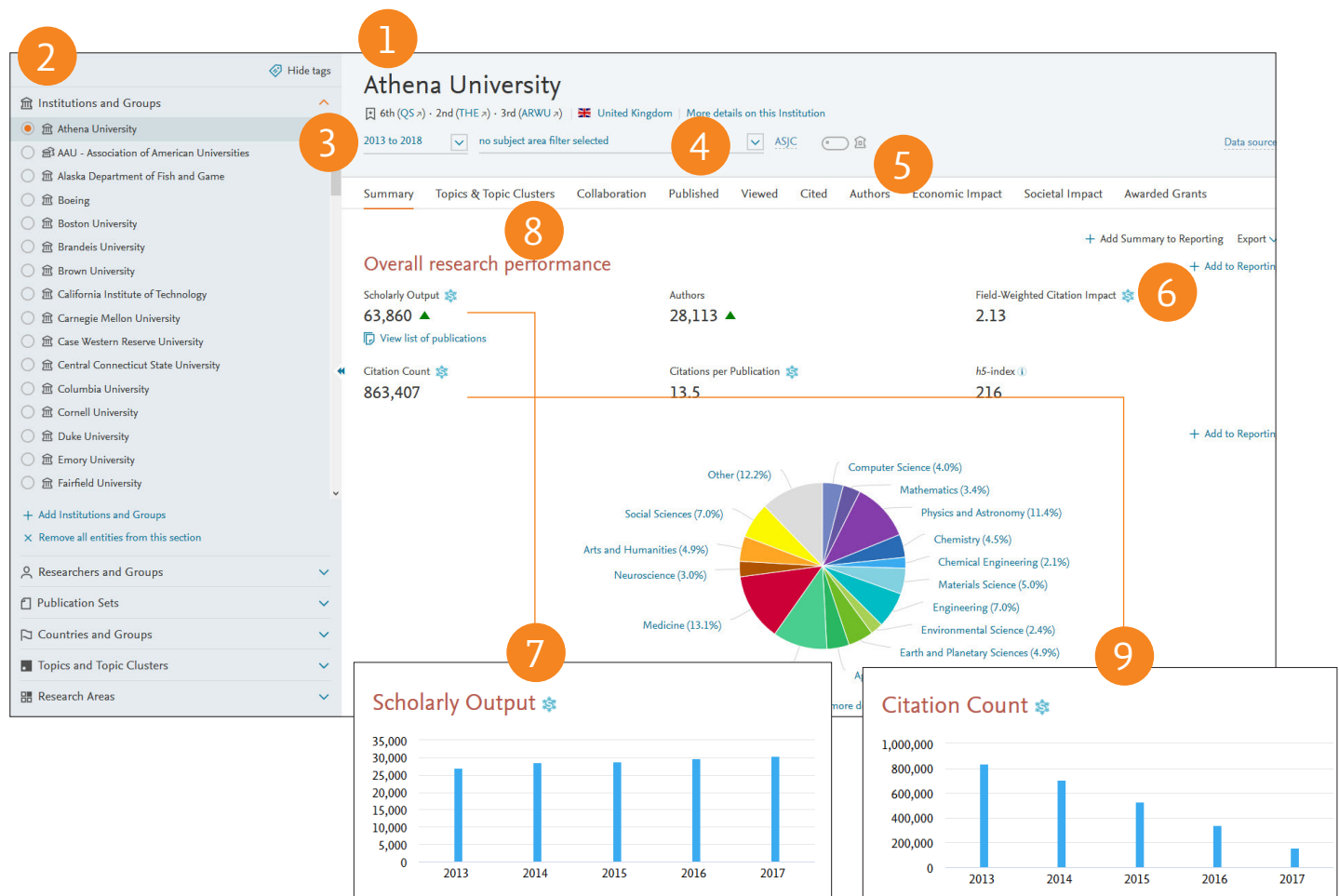
Analyze research trends

Analyze the research trends of any Research Area, Topic or Topic Cluster to create a complete portfolio overview in a matter of minutes with citation and usage data, to discover the top performers, rising stars and current developments in the field.

- View the overall performance of a Research Area, Topic or Topic Cluster, then dig deeper into the activity and impact of the institutions, countries, authors and journals involved and adjust your research strategy accordingly
- Usage information complements citation data to give a more complete picture of research performance

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 panel** allows you to select any research entities from:

- Institutions and Groups
- Researchers and Groups
- Countries and Groups
- Research Areas and Topics

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.

3. **Select year range** from:
 3 years*
 5 years*
 * + current year and beyond

4. **Filter subject area** using 27 top level and 334 lower level subject areas based on Scopus All Subject Journal Classification (ASJC). You can additionally filter by Fields of Research (FoR), Field of Science and Technology (FOS), Research Excellence Framework (REF), QS, THE or KAKEN.

5. Filter by 'home institution' to include only the publications affiliated with the home institution



ELSEVIER

Athena University
 3rd (QS) · 6th (THE) · 1st (ARWU) | United States | More details on this Institution

2013 to 2017 | no subject area filter selected | ASJC | Data sources

Summary Topics Awarded Grants **Collaboration** Published Viewed Cited Economic Impact Societal Impact Authors

Overall **Top collaborating Institutions** 10

by number of publications co-authored with Athena University

+ Add to Reporting Export Shortcuts

Institution	Co-authored publications ↓	Citations received for co-authored publications	Co-authors	Field-Weighted Cita... ↓
1. Massachusetts Institute of Technology	6,399 ▼	257,337	6,532 ▲	3.91
2. Dana-Farber Cancer Institute	6,274 ▲	214,958	4,774 ▲	3.59
3. Boston University	5,611 ▲	148,901	4,289 ▲	3.59
4. University of Pennsylvania	5,026 ▲	178,552	4,379 ▲	4.97
5. Johns Hopkins University	4,986 ▲	197,557	4,527 ▲	5.20
6. University of Washington	4,734 ▲	184,337	4,149 ▲	5.28

2013 to 2017 | no subject area filter selected | ASJC | Data sources

Summary Topics Awarded Grants Collaboration Published Viewed Cited Economic Impact Societal Impact **Authors** 11

Authors 12 + Add to Reporting Export

Top 500 authors, by number of publications at Athena University over the period 2013 to 2017.
 Note that some authors may no longer be affiliated with Athena University.

Add to panel

Name	Publications ↓	Most recent publication	Citations ↓	h-index
1. Franklin, Melissa E.B.	541	2017	16,026	98
2. Bhatt, Deepak L.	487	2017	15,050	110
3. Huth, John E.	484	2017	15,969	85
4. Morii, M.	474	2017	15,649	76
5. Skottowe, Hugh P.	421	2017	15,347	72
6. López Mateos, D.	420	2017	14,116	73

6. Metric themes' tabs provide comprehensive understanding of the selected research entity based on:

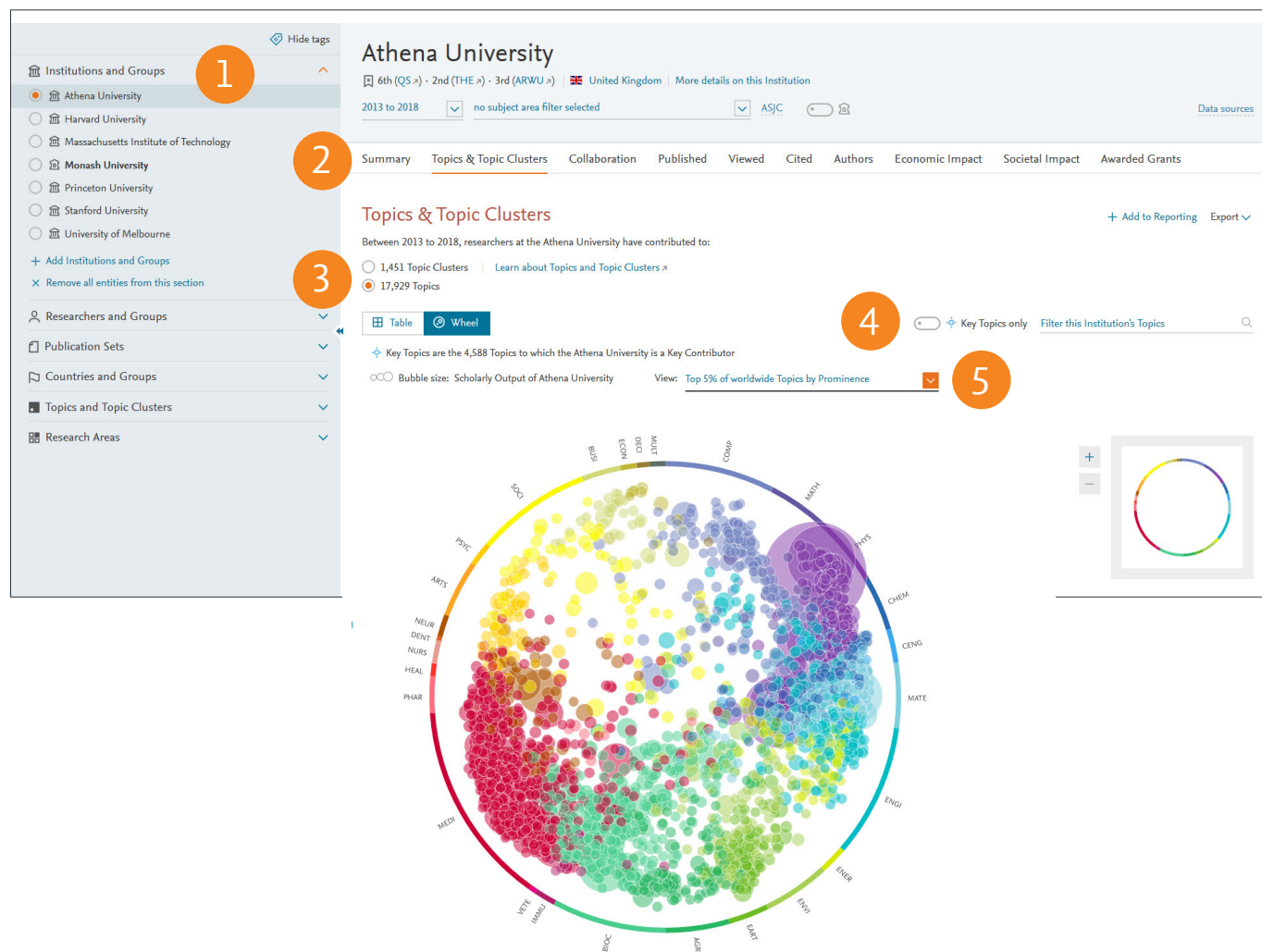
- Summary
- Topics & Topic Clusters (8)
- Publications (7)
- Citations (9)
- Authors (for Institutions and Research Areas) (11)
- Collaboration (10)
- Institutions (for countries)
- Economic Impact

- Viewed
- Societal Impact (for institutions)
- Awarded Grants (for institutions and countries)

12. Add to Reporting to create a Report based on several Analyses

Conduct a complete portfolio analysis

See which Topics your institution is currently active in, and which Topics have high momentum, therefore more likely to be well-funded. Get insight into which researchers are active in specific Topics, which Topics peers and competitors are active in and the related Topics of which you should be aware.



1. Start in the Overview module and select an institution
2. Go to the Topics & Topics Clusters section to see which Topics an institution has contributed to
3. Using the toggle you can either analyze the individual Topics or the higher-level Topic Clusters
4. Use the Key Topics filter to see only the Topics where an institution is considered to be a key contributor.
5. Limit to view the top x% of worldwide Topics by Prominence



Athena University

6th (QS) · 2nd (THE) · 3rd (ARWU) | United Kingdom | [More details on this Institution](#)

2013 to 2018

no subject area filter selected

ASJC

[Data sources](#)

Summary Topics & Topic Clusters Collaboration Published Viewed Cited Authors Economic Impact Societal Impact Awarded Grants

Topics & Topic Clusters

[+ Add to Reporting](#) [Export](#)

Between 2013 to 2018, researchers at the Athena University have contributed to:

1,451 Topic Clusters | [Learn about Topics and Topic Clusters](#)

17,929 Topics

Table

Wheel

6

Key Topics only

[Filter this Institution's Topics](#)

Q

Key Topics are the 4,588 Topics to which the Athena University is a Key Contributor

Topic	At this Institution			Worldwide
	Scholarly Output ↓	Publication Share	Field-Weighted Citation Impact	Prominence percentile
jets; production; parton shower ... T.1026	281	14.31% ▲	3.97	99.875
galaxies; dust; infrared galaxies ... T.405	188	15.65% ▼	2.28	99.111
				96.248
				99.755
				100.000

Activity of the Athena University

Within: [jets; production; parton shower](#) T.1026 | Year range: 2013 to 2018 | [Analyze Topic worldwide](#)

9

Summary Authors Compare to your Institution

Performance

Scholarly Output

281

[View list of publications](#)

Views Count

32,521

Field-Weighted Citation Impact

3.97

[View list of publications](#)

Citation Count

6,016

International Collaboration

271

[View list of publications](#)

Worldwide Topic Prominence

99.875

Collaboration

International Collaboration

Publications co-authored with Institutions in other countries

Athena University
96.4%

Academic-Corporate Collaboration

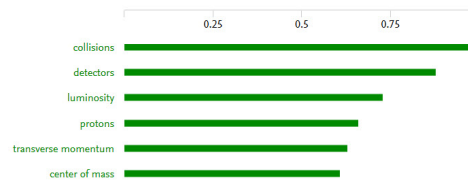
Publications with both academic and corporate affiliations

Athena University
0.0%

Top 15 keyphrases

Based on 281 publications

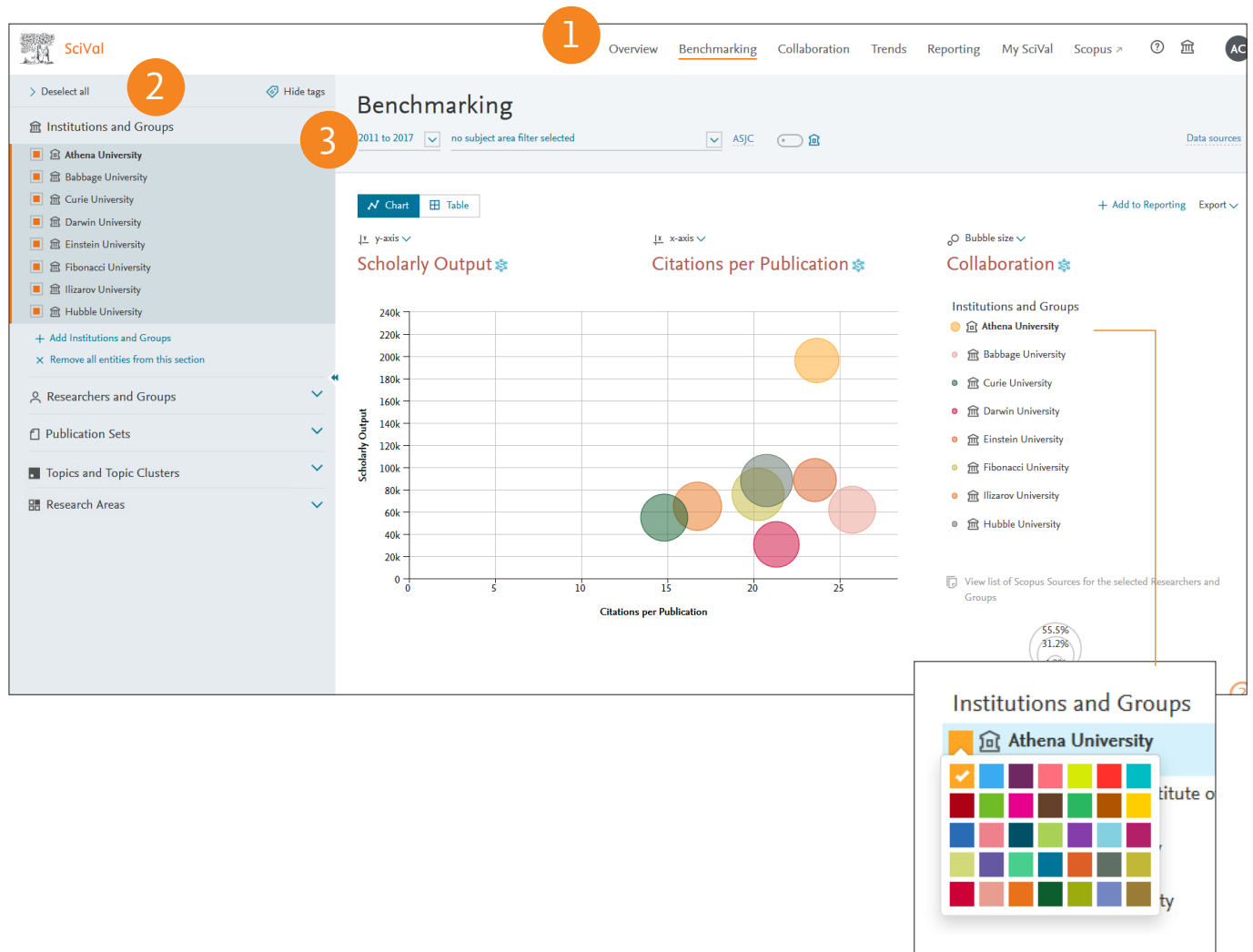
Relevance of keyphrase



6. Select the **Table view** to get an overview of the Topics or Topic Clusters ranked by Scholarly Output
7. Select a **Topic or Topic Cluster** and analyze it in further detail for an institution
8. Get a **quick overview of the Topic** for an institution, the Field-Weight Citation Impact, the level of international collaboration and the underlying keyphrases sorted by relevance
9. Or analyze the Topic globally via the **Trends module** (see pg. 12)

Benchmark your progress

Assess your relative strengths and weaknesses by making custom selections of research groups, indicators and subject areas to compare and benchmark against.



1. **Benchmarking tab** provides advanced capabilities to perform in-depth analyses by combining flexible set of entities and metrics.
2. **Using the entity panel**, select any desired combination of research entities you wish to benchmark.

Add institutions or countries by typing in the name, and SciVal will provide you with a list of pre-defined institutions and countries to select from.

Add researchers, publication sets, research areas and groups by creating your own (see pages 8 and onwards).

3. **Select year range** between 1996 and the current year.

Select a country, region or “world” from Country and Groups to benchmark your relative performance, or create research areas using journals and subject classifications to benchmark against a research topic.



Benchmarking

2011 to 2017 no subject area filter selected

4

ASJC

[Data sources](#)

Chart **Table**

6

Metric 1

Scholarly Output

Metric 2

Citations per Publication

7

+ Add to Reporting Export

Metric 3

Collaboration

Entity

Entity <input type="checkbox"/>	Scholarly Output	Citations per Publication	Collaboration (%)
Athena University	196,219	23.7	41.0
Babbage University	61,859	25.7	45.4
Curie University	54,800	14.8	46.0
Darwin University	30,662	21.3	43.4
Einstein University	88,565	23.5	38.5
Fibonacci University	75,692	20.2	55.5
Ilizarov University	65,030	16.7	46.6
Hubble University	88,159	20.7	55.4

View list of Scopus Sources for the selected Researchers and Groups

5

Collaboration

The extent of international, national and institutional co-authorship.

Show as field-weighted

View:

International collaboration
 National collaboration
 Institutional collaboration
 Single authorship

Show as:

Percentage
 Total value

Include:

All publication types
 Articles only
 Articles and reviews
 Articles, reviews and conference papers
 Articles, reviews and editorials
 Articles, reviews, editorials, short surveys
 Conference papers only
 Articles and conference papers

Awarded Grants

Collaboration

< Collaboration

Collaboration Impact

Academic-Corporate Collaboration

Academic-Corporate Collaboration Impact

Published

Viewed

Cited

Economic Impact

Societal Impact

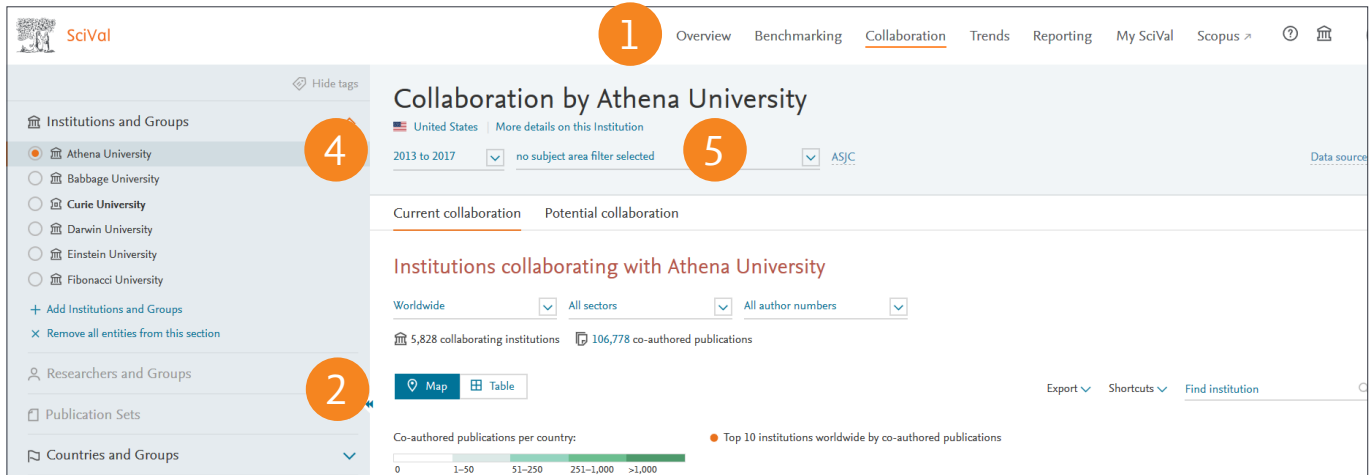
Don't show a third metric

The numbers within the table are clickable, and will show you the underlying publication data.

4. Filter subject area using 27 top level and 334 lower level subject areas based on Scopus ASJC. You can additionally filter by Fields of Research (FoR), Field of Science and Technology (FOS), Research Excellence Framework (REF), QS, THE or KAKEN.
5. Select any combination of metrics from the pull down list. You can add up to an extra 20 metrics which will be displayed in a table.
6. Switch view between chart and table.
7. Add to Reporting to create a Report based on several Analyses

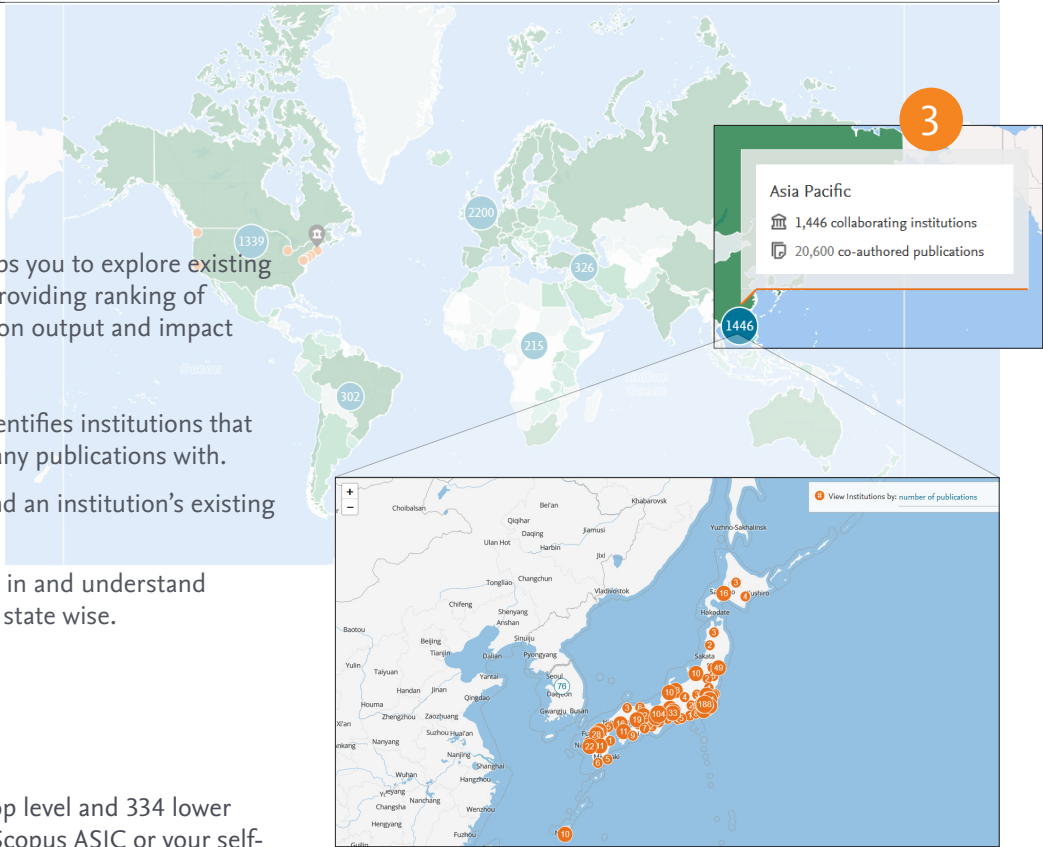
Identify and evaluate existing and potential collaboration partners

Get access to a list of institutions that you collaborate or have the potential to collaborate with. Start with a worldwide view of your institution's collaboration landscape, and then zoom in to individual collaborating institutions and researchers anywhere in the world.



1. **Current collaboration tab** helps you to explore existing collaboration opportunities providing ranking of institutes and authors based on output and impact related metrics.

Potential collaboration tab identifies institutions that you haven't yet co-authored any publications with.
2. **Select map view** to understand an institution's existing collaboration landscape.
3. **Click on each region** to zoom in and understand collaboration country wise or state wise.
4. **Select year range from:**
 3 years*
 5 years*
 * + current year and beyond
5. **Filter subject area** using 27 top level and 334 lower level subject areas based on Scopus ASJC or your self-defined Research Areas.



The screenshot displays the 'Collaboration by Athena University' interface. At the top, navigation tabs include Overview, Benchmarking, Collaboration (selected), Trends, Reporting, My SciVal, and Scopus. The main section shows filters for 'Worldwide' (region), 'All sectors' (sector), and 'All author numbers' (author count). A table lists institutions with columns for 'Institution', 'Co-authored publications', 'Co-authors at Athena University', 'Co-authors at the other institution', and 'Field-Weighted Citation Impact'. A detailed view for Tesla University compares its metrics with Athena University and Harvard University. A subject area chart shows the distribution of co-authored publications across various disciplines.

6. Select table view to access list of collaborating institutions.
7. Search institutions by name.
8. Limit collaborating institutions by region, country, number of authors and sector.
9. Sort collaborating institutions by impact using:
 - Citations
 - Citations per Publication
 - Field-Weighted Citation Impact
 - Awarded Grants
 - Views
 - Views per Publication
 - Field-Weighted View Impact
10. Select institutions to: Assess output and impact of co-authored publications relative to performance of the entire institution and view the subject area spread of co-authored publications
11. Identify collaborating authors from each institution and identify which authors collaborate with each other.

Evaluate your potential collaboration partners

Once you have identified potential institutions and researchers to collaborate with, you can:

- Glance through the Overview module to:
 - gain a comprehensive overview of selected institutions
 - specify top authors per subject field of your interest
 - explore the institution's Topics and Topic Clusters
- Compare candidate institutions using the Benchmarking module to:
 - assess unique strengths of selected institutions by combining different metrics
 - test scenarios by modeling teams with selected researchers
 - benchmark performance against potential competitors
- Review their collaboration partners using the Collaboration module to:
 - find out if anyone from your institution have co-author relationships
 - understand the top collaborators per discipline and how beneficial those collaborations are

Analyze Research Trends

Analyze the research trends of any Research Area with citation and usage data, to discover the top performers, rising stars and current developments in the field.

1. **Trends tab** provides the ability to perform advanced Topics centric analysis of any Research Area, Publication Set or Topic with usage and citation data.
2. **Using the entity selection panel**, select the Research Area, Publication Set or Topic you wish to analyze. Either choose one you have defined or select from the 334 pre-defined Research Areas based on the Scopus journal classifications (ASJC).
3. Select year range from:
3 years*
5 years*
* + current year and beyond
4. **Summary tab** provides an at-a-glance view of your Research Area, Publication Set or Topic. Key metrics at the top of the page highlight the overall research performance. The word cloud gives a visual description of the developments within the field.
5. **Entity tabs** provide comprehensive understanding of the selected Research Area, Publication Set or Topic based on:
 - Institutions
 - Countries
 - Authors
 - Journals
 - Keyphrases
 - Scopus Source
 - Related Topics (for Topics)
 - Funding Bodies (for pre-defined Research Areas)
6. **The Representative publications toggle** allows you to filter on the top 10 publications which are strongly linked to a Topic
7. Scroll down the page to see the top Institutions, top Authors, top Countries and top Scopus Sources related to the Topic, Topic Cluster and Research Area
8. **Institutions tab** shows you the global dispersion of the top 100 Institutions via the map view
9. **Keyphrases tab** allows you to analyze the top 50 keyphrases relating to the Topic or Research Area in further detail

How are keyphrases calculated?

SciVal uses the Elsevier Fingerprint Engine to extract distinctive keyphrases within the Research Area, Publication Set, Topic or Topic Cluster..

The text mining is done through applying a variety of Natural Language Processing techniques to the titles and abstracts of the documents in the Research Area, Publication Set, Topic or Topic Cluster in order to identify important concepts.

Concepts are matched against a set of thesauri spanning all major disciplines. For each document the distinctive keyphrases are selected based on Inverse Document Frequency (IDF), by incorporating a factor that diminishes the weight of words that occur frequently in the document set, and increases the importance of words that occur rarely. The top 50 keyphrases with the highest word weight are then selected to populate the word cloud for your chosen Research Area, Publication Set, Topic or Topic Cluster.

Each keyphrase is then given a relevance between 0 and 1 with 1 given to the most frequently occurring keyphrase. Remaining keyphrases are given a value based on their relative frequency. The relevancy value dictates the size of the keyphrase in the word cloud. discipline and how beneficial those collaborations are.



SciVal Overview Benchmarking Collaboration Trends Reporting My SciVal Scopus

life cycle; life cycle analysis; cycle inventory T.8714

2013 to 2017 no subject area filter selected ASJC

Summary **Institutions** Countries Authors Scopus Sources Keyphrases Related Topics

Overall research performance

Scholarly Output: 716

Field-Weighted Citation Impact: 2.14

International Collaboration: 243

Views Count: 32,726

Citation Count: 7,397

Topic Prominence percentile: 99.070

Topics and Topic Clusters:

- life cycle; life cycle analysis; cycle inventory T.8714
- Automobile manufacture; Analog to digital conversion; appliance steered T.94353
- Colorectal Neoplasms; Neoplasms; molecular subtypes T.37444
- jets; production; parton shower T.1026
- Manganites; Manganese oxide; double exchange

Topic character

Keyphrase analysis Representative publications

Top 50 keyphrases by relevance, based on 716 publications

life cycle

environmental impact

inventory

assessment method

water footprint

carbon footprint

global warming

land use

environmental management

biofuel

damage

supply chains

industrial ecology

water use

model

sensitivity analysis

environmental impact assessment

water footprint

environmental assessment

technology

environmental assessment

water footprint

damage

supply chains

industrial ecology

water use

model

sensitivity analysis

environmental impact assessment

water footprint

environmental assessment

technology

Topic character

Keyphrase analysis Representative publications

Top 10 representative publications, published 2013 - 2017

Publication	Citations
Emerging approaches, challenges and opportunities in life cycle assessment. Hofweg, S., Canals, L.M.I. (2013) <i>Science</i> , 344 (6188), pp. 1109-1113. View in Scopus	289
Identifying best existing practice for characterization modeling in life cycle impact assessment. Hauschild, M.Z., Goedkoop, M., Guinée, J. and 9 more (2013) <i>International Journal of Life Cycle Assessment</i> , 18 (3), pp. 683-697. View in Scopus	276
UNEP-SETAC guideline on global land use impact assessment on biodiversity and ecosystem services in LCA. Koolen, T., De Baan, L., Beck, T. and 7 more (2013) <i>International Journal of Life Cycle Assessment</i> , 18 (6), pp. 1188-1202. View in Scopus	139

Authors

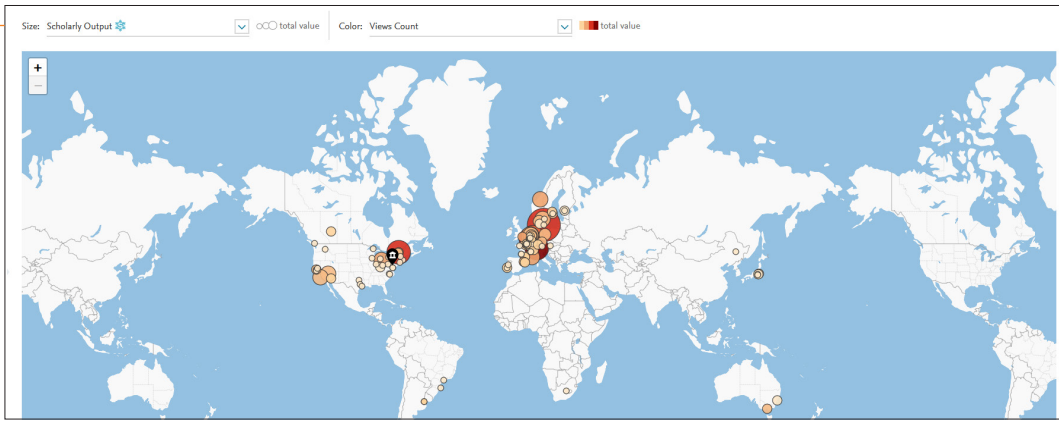
Top 5 by Scholarly Output

Hauschild, Michael Zwiely	32
Huijbregts, Mark AJ	28
Pfister, Stephan	27
Heijungs, Reinout	26
Margni, Manuele D.	23

Scopus Sources

Top 5 by Scholarly Output

International Journal of Life Cycle Assessment	178
Journal of Cleaner Production	62
Environmental Science & Technology	57
Journal of Industrial Ecology	37
Science of the Total Environment	16



Define your own Research Areas

SciVal offers a flexibility to define your own Research Areas, representing a field of research defined by you.

Find existing Topic or Research Area

- Advanced Topic search
- Advanced Research Area search
- Define a new Research Area 1

2 Define a new Research Area View quick guide ✕

1. Create definition 2. Refine definition 3. Save definition

Use search terms Use entities Use Topics

Define a new Research Area based on publications that match...

all of these words:

any of these words:

none of these words:

Want to create a query yourself?
Use advanced search

3 Select one or more entities to represent your new Research Area

1. Create definition 2. Refine definition 3. Save definition

Use search terms Use entities Use Topics

Institutions All tags

Copy selected to my new Research Area Type to filter

- > "Angel Kanchev" University of Ruse
- > 23andMe Inc.
- > ZIE
- > 302 Hospital of PLA
- > 3M
- > SD Health Protection Group Limited
- > AlbiNovus srl
- > A.V. Dumansky Institute of Colloid and Water Chemistry
- > A.V. Bogatsky Physico-Chemical Institute of the N
- > Aachen University of Applied Sciences
- > Aalborg University
- > Aalen University
- > Aalto University
- > Aarhus University

4 Define a Research Area based on Topics

1. Create definition 2. Refine definition 3. Save definition

Use search terms Use entities Use Topics

no subject area filter selected Sort by Scholarly Output

Copy selected to my new Research Area Type to filter

- Industry; Petrochemicals; motor gasoline
T.6003 - 13,930 publications - 54.134 percentile
- Solar cells; Heterojunctions; organic photovoltaics
T.0 - 12,045 publications - 99.993 percentile
- Perovskite; Solar cell; methylammonium lead
T.20 - 9,929 publications - 100.000 percentile
- Electrolytic capacitors; Capacitance; asymmetric supercapacitors
T.0 - 8,423 publications - 99.992 percentile
- Molybdenum compounds; Monolayers; dichalcogenides TMDs
T.0 - 8,284 publications - 99.999 percentile
- RNA; Long Untranslated; Neoplasms; cancer tissues
T.115 - 7,791 publications - 99.986 percentile

Drag and drop at least one entity from the list on the left to define your Research Area

1. **Research Areas** can represent a strategic priority, an emerging area of science, or any other topic of interest using below as the building blocks:

2. **Search terms**

Search for publication sets using keyword(s)

3. **Entities**

Select and combine any of the below

- Institutions (+ groups)
- Countries (+ groups)
- Journal categories
- Journals
- Subject area
- Scopus source

4. **Topics**

Select and combine a number of Topics to create a new Research Area

Note: Computation of Research Areas with more than 5000 publications will take up to 6 hours. There is a 100,000 publication limit. You will be notified when the Research Area is available.

Pre-defined entities

SciVal is a ready-to-use solution with access to pre-defined over 16,200 institutions, 230 nations and groups.

Several groups of institutions and countries are made available such as EU28, US states, German Bundesländer and more.

Pre-defined Research Areas are available using the 334 subject areas based on Scopus All Subject Journal Classification (ASJC)

i This Research Area has 40,114 matching publications (2013 - present). It could take about 6 hours to be computed. No processing is done during weekends. You will be notified as soon as the Research Area is available. Note that Research Areas with less than 5,000 matching publications can be computed and used immediately. You can apply filters to further reduce the number of matching publications.

Continue to next step >
Refine further >



ELSEVIER

5

1. Create definition 2. Refine definition 3. Save definition

Refine your definition by applying one or more filters

Definition of your Research Area: Industry; Petrochemicals; motor gasoline (T.6003) OR Solar cells; Heterojunctions; ... (T.0) Show all

19,372 Total matching publications (2013-present)

Currently applied filters: No filters applied yet

Subject areas	Name	Publications
<input type="checkbox"/>	Materials Science	11,848
<input type="checkbox"/>	Chemistry	7,796
<input type="checkbox"/>	Engineering	4,672
<input type="checkbox"/>	Energy	4,653
<input type="checkbox"/>	Physics and Astronomy	4,511
<input type="checkbox"/>	Chemical Engineering	3,091
<input type="checkbox"/>	Medicine	1,045
<input type="checkbox"/>	Biochemistry, Genetics and Molecular Biology	896
<input type="checkbox"/>	Environmental Science	599
<input type="checkbox"/>	Arts and Humanities	543
<input type="checkbox"/>	Social Sciences	423
<input type="checkbox"/>	Multidisciplinary	337
<input type="checkbox"/>	Computer Science	305
<input type="checkbox"/>	Mathematics	261
<input type="checkbox"/>	Business, Management and Accounting	168
<input type="checkbox"/>	Pharmacology, Toxicology and Pharmaceutics	125
<input type="checkbox"/>	Earth and Planetary Sciences	90

Limit to > Exclude > Limit to publications in the past 5 years

< Previous step Next step >

6

1. Create definition 2. Refine definition 3. Save definition

Define a new Research Area View quick guide X

Save your Research Area as **Medicine Research Area** 22 of 300

Add tags (optional)

This Research Area will be updated approximately every two weeks with new publications matching the definition.

[View Research Area Summary ^](#)

This Research Area is defined as:

Entities:

- RNA, Long Untranslated; Neoplasms; cancer tissues (T.115)
- Aortic Valve; Aortic ... (T.32)
- Stroke; Thrombectomy; anterior circulation (T.22)
- Brain computer interface; Electroencephalography; steady-state visual (T.23)
- Carcinoma, Non-Small-Cell Lung; Receptor, Epidermal Growth Factor; lung cancer; (T.19)
- Immunotherapy; Melanoma; immune-related adverse (T.403)
- Atrial Fibrillation; Catheter Ablation; fractionated atrial (T.10)
- Anticoagulants; Atrial Fibrillation; direct factor (T.65)
- Fatty Liver; Liver Diseases; non-alcoholic steatohepatitis (T.13)

< Previous step Save and finish > Save and define another Research Area >

Refine the Research Area by limiting it to select subject areas, Scopus sources, Institutions, Counties or Organization types

5. Save your new Research Area with a unique name and add relevant tags

6. Research Areas will be made available across the platform to:

- Assess your institution's performance within the field
- Identify top institutions and keywords
- See the publication and citation trends

Define Researchers and Groups

Define one or many Researchers or Groups via a number of options:

1 Define a new Researcher

2 Import Researchers

3 Define a new Group of Researchers

4 Drag and drop authors from the Authors tab across to the selection panel

Name	Publications	Most recent publication	Citations	h-index
1. Franklin, Melissa E.B.	465	2018	10,163	100
2. Bhatt, Deepak L.	443	2018	7,430	112
3. Huth, John E.	437	2018	10,015	89
4. Morii, M.	428	2018	9,811	79
5. Sun, S.	360	2018	9,235	54

1. Define a new Researcher

- Search by name
- Select the author name variant of the researcher you're looking for

2. Import Researchers

- Import a list of up to 1,000 Scopus authors
- Refine the profiles
- Put the profiles into a group e.g. faculties and schools

3. Define new Group of Researchers

- Select and combine your self-defined Researchers into one or more Groups

4. Drag and drop authors from the Authors tab across to the selection panel



Define Publication Sets and Groups

You can create Publication Sets which you can use for grant applications, performance assessment and project management. Publication Sets are static.

The image contains four numbered screenshots illustrating the process of defining and importing publication sets in SciVal:

- 1:** The left sidebar menu is shown with 'Publication Sets' highlighted. A callout box shows the 'Define a new Publication Set' and 'Import a Publication Set' options.
- 2:** The 'Define a new Publication Set' dialog box is shown, with a callout box indicating the 'Define a new Publication Set' button.
- 3:** The 'Import Publication Set' dialog box is shown, with a callout box indicating the 'Upload file or paste IDs' option.
- 4:** The 'Define a new Publication Set' dialog box is shown, with a callout box indicating the 'Save Publication Set' button. A table of selected publications is visible:

Researcher(s)	Title	Authors	Year	Scopus Source	Citations
Aarstrup, Frank Møller and 5 more	Identification of acquired antimicrobial resistance genes	Zanbari, E., Haerman, H., Cozzolino, S. and 5 more	2012	Journal of Antimicrobial Chemotherapy	868
Andoni, A., Indyk, P. and 1 more	Near-optimal hashing algorithms for approximate nearest neighbor to high dimensions		2008	Communications of the ACM	687

Importing publication lists:

In case you have a set of publications that cannot be retrieved by keyword search, you can now upload them to SciVal.

- Go to My SciVal, select **Publication Sets** from select-entity panel, then click **Define a new entry** and select **Import a Publication Set**.
- Select **ID format** and upload text file.
 - Scopus EID**
Unique identifier assigned to all of Scopus records.
 - PubMed ID**
Unique identifier assigned to PubMed records.
 - DOI (Digital Object Identifier)**
Unique identifier assigned to a digital object such as journal articles.
- Confirm **publications** and save.

Create a subset of Researcher's publications:

You can select publications from your researcher's publication history to create a group.

- Click to **Define a new Publication Set**
Note: You need to have pre or self-defined researchers added to your select-entity panel to activate this menu.
- Select a **Researcher** from your list.
- Select your desired publications.
- Save publication set.

Managing My SciVal

Within My SciVal you can do the same things as you can in each module plus you can also:

1. Edit this Research Area

1. Create definition | 2. Refine definition | 3. Save definition

Refine your definition by applying one or more filters

Definition of your Research Area: Industry; Petrochemicals; motor gasoline (T.6003) OR Solar cells; Heterojunctions; ... (T.0) Show all

2,351 Total matching publications (2013-present)

Currently applied filters: (Multidisciplinary X OR Environmental Science X)

Name	Publications
<input type="checkbox"/> Multidisciplinary	1,190
<input type="checkbox"/> Environmental Science	1,161
<input type="checkbox"/> Energy	629
<input type="checkbox"/> Chemical Engineering	502
<input type="checkbox"/> Engineering	359
<input type="checkbox"/> Chemistry	317
<input type="checkbox"/> Materials Science	245
<input type="checkbox"/> Biochemistry, Genetics and Molecular Biology	75
<input type="checkbox"/> Business, Management and Accounting	65
<input type="checkbox"/> Agricultural and Biological Sciences	48
<input type="checkbox"/> Earth and Planetary Sciences	48
<input type="checkbox"/> Computer Science	41
<input type="checkbox"/> Social Sciences	38
<input type="checkbox"/> Medicine	35
<input type="checkbox"/> Physics and Astronomy	20
<input type="checkbox"/> Pharmacology, Toxicology and Pharmaceutics	14
<input type="checkbox"/> Mathematics	13

Limit to > Exclude > Limit to publications in the past 5 years

2. Add tags to this entity

Tags ^ Share Edit Delete

Add tags to this entity Manage tags X

Enter a tag

Tag name Private

Sun

3. Sharing settings for "Artificial Intelligence"

Invite users Tags Currently invited / shared with Invitation lists

Invite others to use the entity

1. Enter emails 2. Manage tags

Enter E-mail address(es) or list name(s) (comma separated), or pick from the existing ones.

E-mail

harry.potter@hogwarts.uk Can view

Message (optional)

4. Synchronize Groups

1. Upload file 2. Organize and save

Import Researchers and Groups

Upload a text file containing Scopus author profiles and groups, and synchronize the data with your existing Researchers and Groups in My SciVal.

Drop file here or click to upload (CSV, XLS, JSON, or text file)

Entities can be deleted from the left panel, but will remain in my SciVal

1. **Edit Research Areas** by adding more research terms or applying more filters.
2. **Add tags** by departments or projects to manage Researchers and Groups of Researchers with ease. See all you tags in your Tag Manager, where entities can be untagged, or tags can be merged or deleted.
3. **Share** entities with other SciVal users
4. **Synchronize** a master spreadsheet with the existing hierarchy in SciVal



ELSEVIER



For more information about SciVal,
visit elsevier.com/scival

Elsevier offices

ASIA AND AUSTRALIA
Tel: + 65 6349 0222

JAPAN
Tel: + 81 3 5561 5034

KOREA AND TAIWAN
Tel: +82 2 6714 3000

EUROPE, MIDDLE EAST AND AFRICA
Tel: +31 20 485 3767

NORTH AMERICA, CENTRAL AMERICA AND CANADA
Tel: +1 888 615 4500

SOUTH AMERICA
Tel: +55 21 3970 9300

Local SciVal Representative:

Linda Galloway, l.galloway@elsevier.com
Tel: +1 949 280 6029

