Research Intelligence

SciVal
Quick Reference Guide

ELSEVIER

SciVal offers quick, easy access to the research performance of over 12,000 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 12,000 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 disciplinarity and more.

For further information about the metrics available in SciVal and how to use them together please see the Research Metrics Guidebook
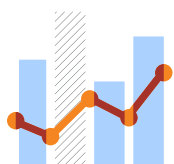
ELSEVIER

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

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

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 subject areas and metrics from a comprehensive set
- Identify your relative strengths and weaknesses to optimize your strategy

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

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

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Visualize research performance

Comprehensive summaries of any desired research entities such as institutions, countries, research groups and topics.
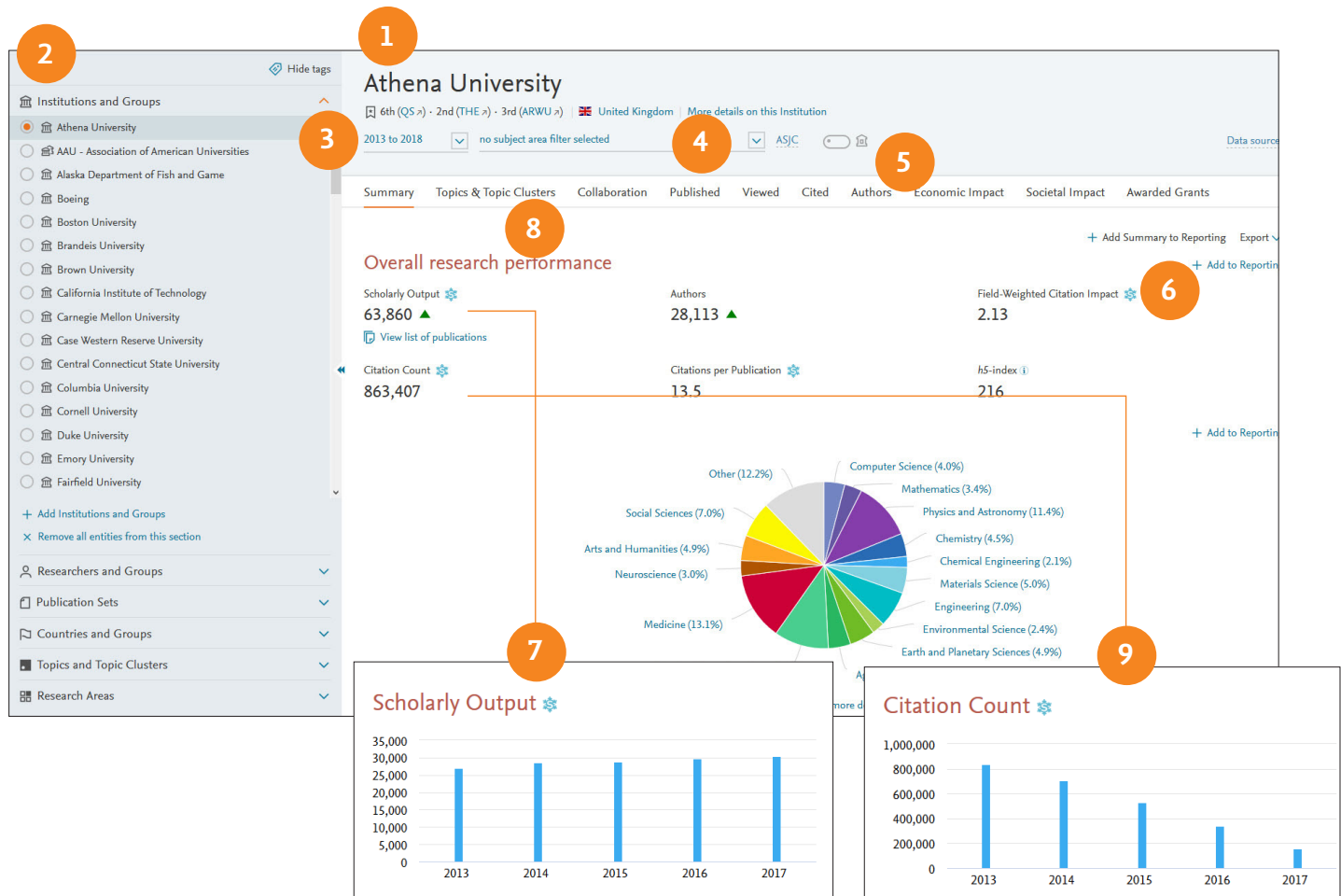
1. **Overview tab** provides you with at-a-glance research performance overviews of any selected institutions, countries, research topics and more.

2. **Select entity panel** allows you to select any research entities from:

   - Institutions and Groups
   - Researchers and Groups
   - Publication Sets
   - Countries and Groups
   - Topics and Topic Clusters
   - Research Areas

   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.

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**

Top collaborating Institutions

+ Add to Reporting   Export ⌄   Shortcuts ⌄

by number of publications co-authored with Athena University

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 | ◯ 🏛 | **11** | Data sources |

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

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

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

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.
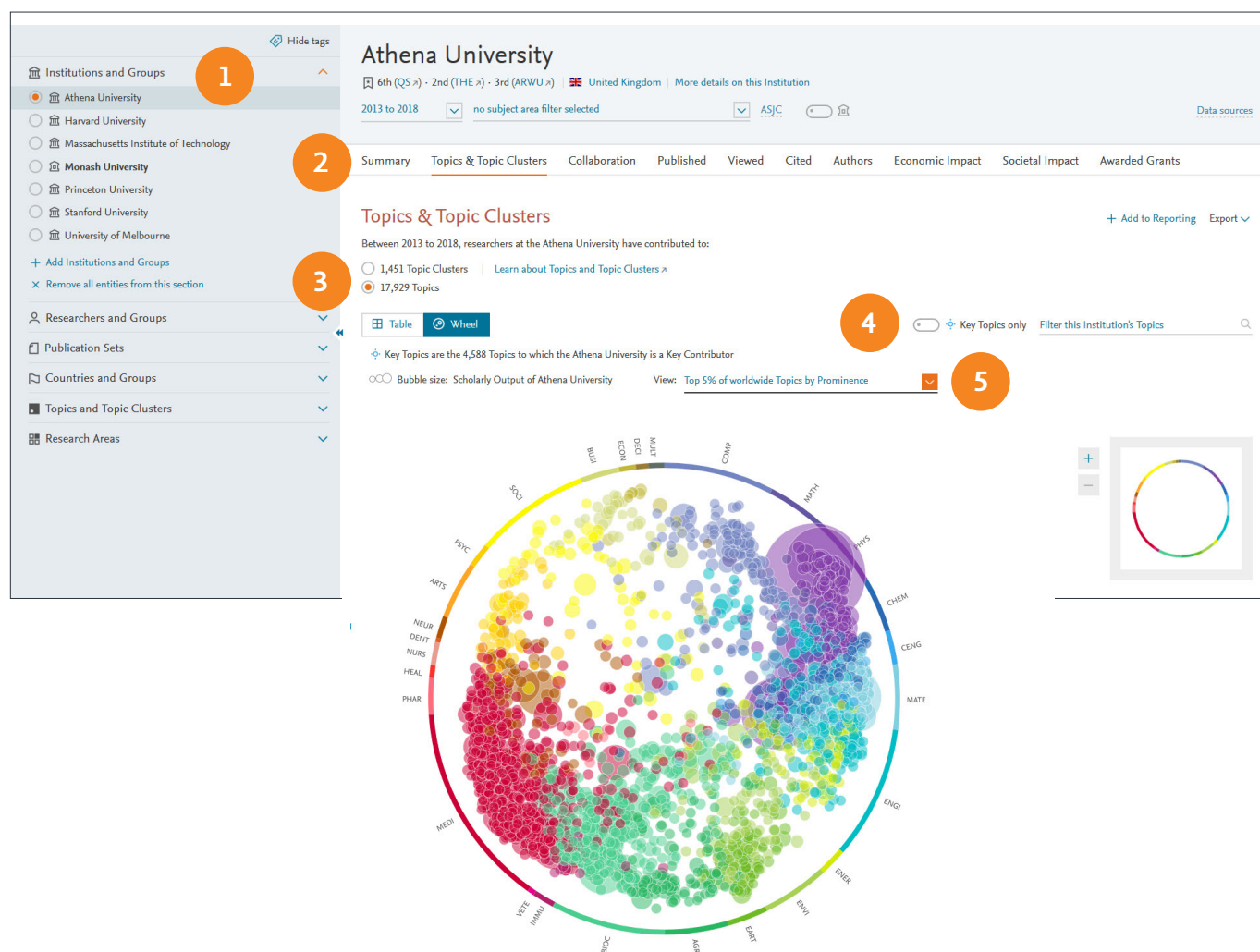
1. **Start in the Overview module** and select an institution
2. **Go to the Topics & Topics Clusters** section to see which Topics an institution has contributed to
3. **Using the toggle** you can either analyze the individual Topics or the higher-level Topic Clusters
4. **Use the Key Topics filter** 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

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

⦿ Key Topics only   Filter this Institution's Topics 🔍

		At this Institution			Worldwide
⦿ Topic		Scholarly Output ↓	Publication Share	Field-Weighted Citation Impact	Prominence percentile
⦿ jets; production; parton shower ... T.1026 **7**		281	14.31% ▲	3.97	99.875 ▬▬
⦿ galaxies; dust; infrared galaxies ... T.405 **8**		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

Export ▾

Scholarly Output ❄   Field-Weighted Citation Impact ❄   International Collaboration ❄
281   **3.97**   **271**

🗐 View list of publications

Views Count ❄   Citation Count ❄   Worldwide Topic Prominence
32,521   **6,016**   **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
0.25   0.5   0.75

collisions ▬▬▬▬▬▬
detectors ▬▬▬▬▬▬▬
luminosity ▬▬▬▬▬
protons ▬▬▬▬
transverse momentum ▬▬▬▬
center of mass ▬▬▬▬

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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.
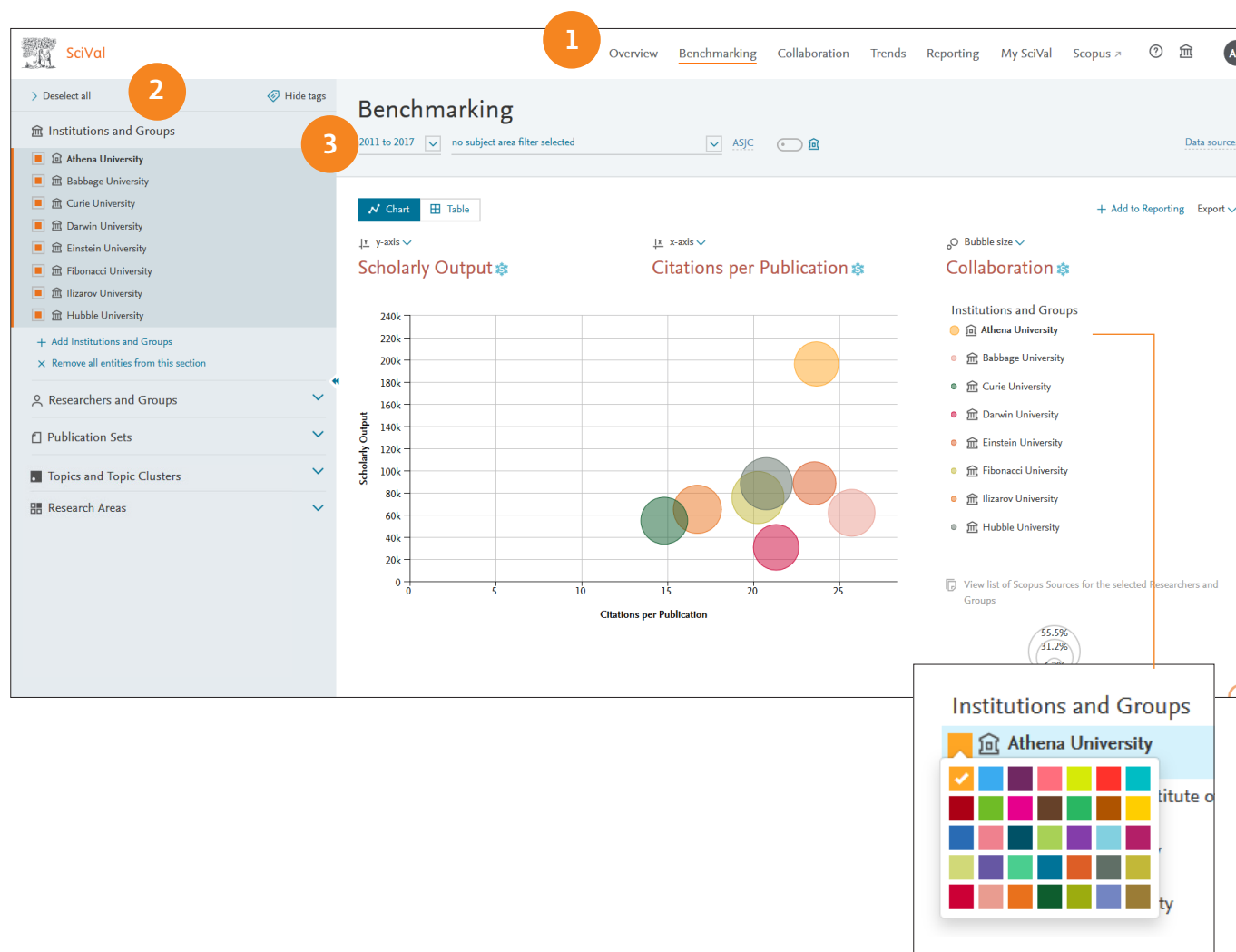
1. **Benchmarking tab** provides advanced capabilities to perform in-depth analyses by combining flexible set of entities and metrics.

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   ⑦   + Add to Reporting   Export ⌄

▥ Metric 1 ⌄   ▥ Metric 2 ⌄   ▥ Metric 3 ⌄

Scholarly Output ✿   **Citations per Publication** ✿   **Collaboration** ✿

Entity ↑	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

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

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

Choose metric >

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

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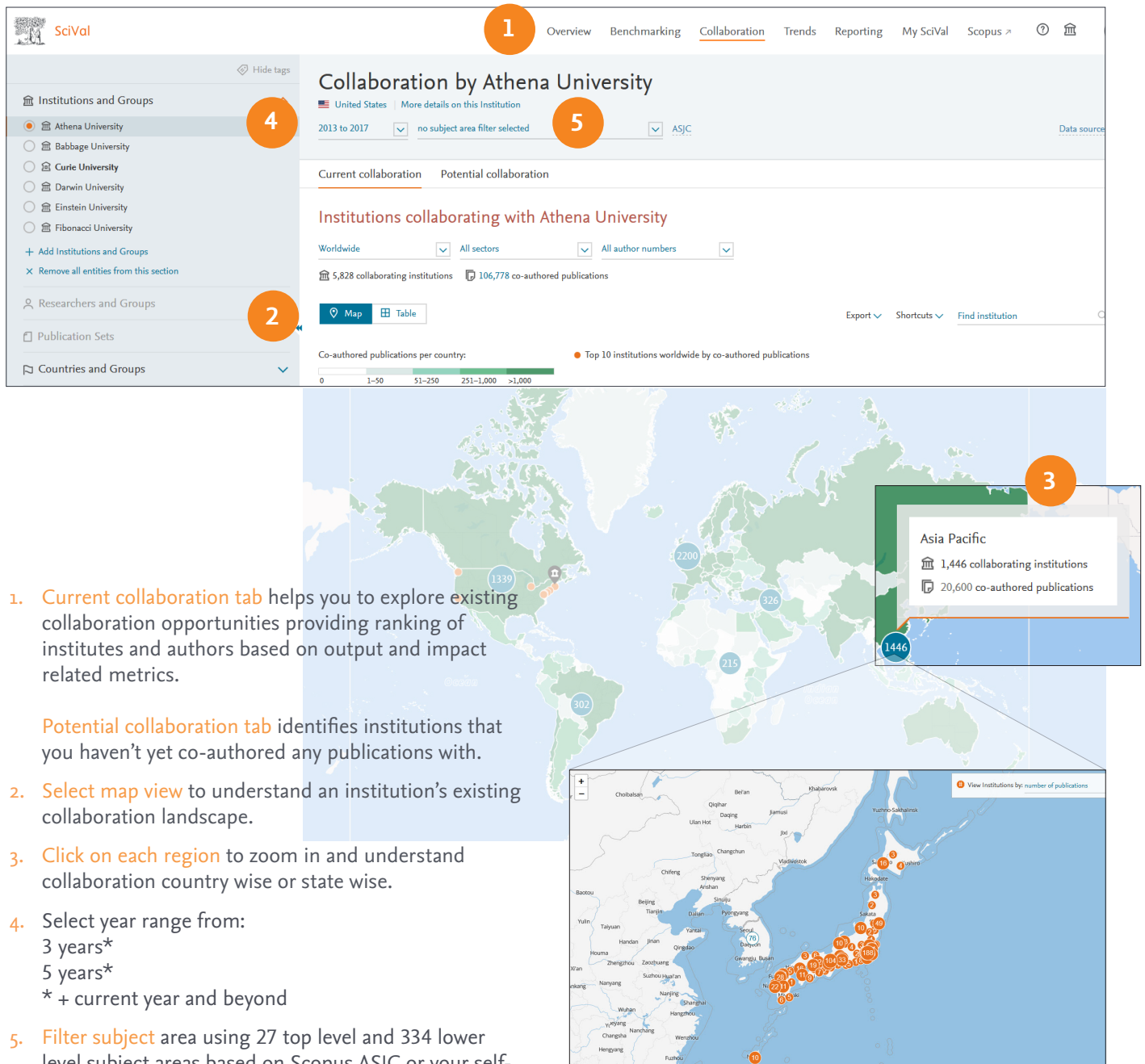
1. **Current collaboration tab** helps you to explore existing collaboration opportunities providing ranking of institutes and authors based on output and impact related metrics.

   Potential collaboration tab identifies institutions that you haven't yet co-authored any publications with.

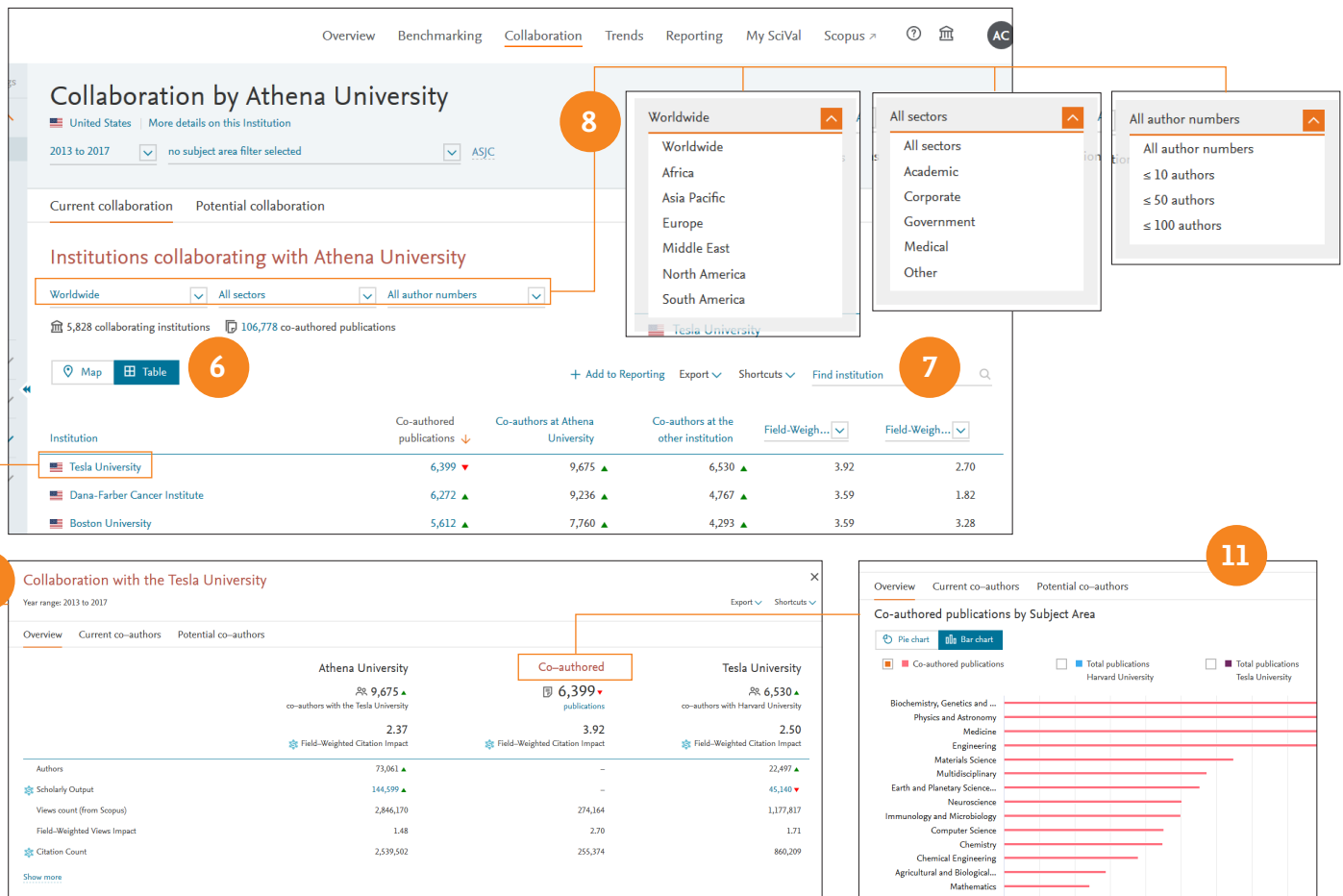2. **Select map view** to understand an institution's existing collaboration landscape.

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.

Overview Benchmarking Collaboration Trends Reporting My SciVal Scopus ↗

Collaboration by Athena University

United States | More details on this Institution

2013 to 2017 ▽ | no subject area filter selected ▽ | ASJC

Worldwide ∧		All sectors ∧		All author numbers ∧
Worldwide		All sectors		All author numbers
Africa		Academic		≤ 10 authors
Asia Pacific		Corporate		≤ 50 authors
Europe		Government		≤ 100 authors
Middle East		Medical		
North America		Other		
South America				

Current collaboration   Potential collaboration

Institutions collaborating with Athena University

Worldwide ▽ | All sectors ▽ | All author numbers ▽

🏛 5,828 collaborating institutions   📄 106,778 co-authored publications

📍 Map ▦ Table   + Add to Reporting   Export ▽   Shortcuts ▽   Find institution 🔍

Institution	Co-authored publications ↓	Co-authors at Athena University	Co-authors at the other institution	Field-Weigh... ▽	Field-Weigh... ▽
Tesla University	6,399 ▼	9,675 ▲	6,530 ▲	3.92	2.70
Dana-Farber Cancer Institute	6,272 ▲	9,236 ▲	4,767 ▲	3.59	1.82
Boston University	5,612 ▲	7,760 ▲	4,293 ▲	3.59	3.28

Collaboration with the Tesla University

Year range: 2013 to 2017   Export ▽ Shortcuts ▽

Overview   Current co-authors   Potential co-authors

	Athena University	Co-authored	Tesla University
	👥 9,675 ▲ co-authors with the Tesla University	📄 6,399 ▼ publications	👥 6,530 ▲ co-authors with Harvard University
	2.37 Field-Weighted Citation Impact	3.92 Field-Weighted Citation Impact	2.50 Field-Weighted Citation Impact
Authors	73,061 ▲	–	22,497 ▲
Scholarly Output	144,599 ▲	–	45,140 ▼
Views count (from Scopus)	2,846,170	274,164	1,177,817
Field-Weighted Views Impact	1.48	2.70	1.71
Citation Count	2,539,502	255,374	860,209

Show more

Overview   Current co-authors   Potential co-authors

Co-authored publications by Subject Area

🕐 Pie chart   ▦ Bar chart

■ Co-authored publications   ☐ Total publications Harvard University   ☐ Total publications Tesla University

Biochemistry, Genetics and ...
Physics and Astronomy
Medicine
Engineering
Materials Science
Multidisciplinary
Earth and Planetary Science...
Neuroscience
Immunology and Microbiology
Computer Science
Chemistry
Chemical Engineering
Agricultural and Biological...
Mathematics

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, Topic or Topics Cluster. with usage and citation data.

2. Using the entity selection panel, select the Research Area, Publication Set, Topic or Topics Cluster 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, Topic or Topics Cluster. 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, Topic or Topics Cluster 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.

SciVal

Overview Benchmarking Collaboration **Trends** Reporting My SciVal Scopus ↗

Hide tags

🏛 Institutions and Groups

👤 Researchers and Groups

📄 Publication Sets

🏳 Countries and Groups

📊 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

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

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

Summary │ Institutions │ Countries Authors Scopus Sources Keyphrases Related Topics

+ Add Summary to Reporting   Export ⌄

Overall research performance

+ Add to Reporting

Scholarly Output ❄   Field-Weighted Citation Impact ❄   International Collaboration ❄
716   2.14   243

📄 View list of publications

Views Count   Citation Count ❄   Topic Prominence percentile ⓘ
32,726   7,397   99.070

Topic character   +

🔘 Keyphrase analysis   ⚪ Representative publications

Top 50 keyphrases by relevance, based on 716 publications │ Learn about keyphrase calculations ↗

Topic character   + Add to Reporting

⚪ Keyphrase analysis   🔘 Representative publications

Top 10 representative publications, published 2013 - 2017 │ Learn about Representative publications calculation ↗

Publication	Citations
Emerging approaches, challenges and opportunities in life cycle assessment. Hellweg, S., Canals, L.M.I. (2014) Science, 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) International Journal of Life Cycle Assessment, 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. Koellner, T., De Baan, L., Beck, T. and 7 more (2013) International Journal of Life Cycle Assessment, 18 (6), pp. 1188-1202. View in Scopus ↗	139

United Nations Environment Program Biofuels
Climate change greenhouse gas
health impact decision making Waste treatment
environmental impact stakeholder methodology
market toxicity database emission
life cycle Carbon footprint
uncertainty analysis Greenhouse gases water
manufacturing flow **inventory** modeling biodiversity
Ecology Tools energy data footprint freshwater
Sustainable development assessment method industrial ecology
life cycle analysis water use model sensitivity analysis
Global warming land use **Environmental impact assessments**
environmental impact assessment Supply chains
Environmental management Eutrophication biofuel damage
technology water footprint
environmental assessment

Authors   + Add to Reporting
Top 5 by Scholarly Output

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

2013   2014   2015   2016   2017
> Analyze in more detail

Scopus Sources   + Add to Reporting
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

2013   2014   2015   2016   2017
> Analyze in more detail

Size: Scholarly Output ❄ ⌄ ⊙ total value   Color: Views Count ⌄ ▮ total value

Define your own Research Areas

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

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 5,000 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 over 12,000 pre-defined institutions and 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)

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

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

Subject areas	› Total matching publications (2013-present)	19,372 ▬▬
Scopus sources	Name	Publications ↓
Institutions	☐ Materials Science	11,848 ▬▬
Countries	☐ Chemistry	7,796 ▬▬
Organization types	☐ Engineering	4,672 ▬
	☐ Energy	4,653 ▬
	☐ Physics and Astronomy	4,511 ▬
	☐ Chemical Engineering	3,091 ▪
	☐ Medicine	1,045 ▪
	☐ Biochemistry, Genetics and Molecular Biology	896 ▪
	☐ Environmental Science	599 ▪
	☐ Arts and Humanities	543 ▪
	☐ Social Sciences	423 ▪
	☐ Multidisciplinary	337 ▪
	☐ Computer Science	305 ▪
	☐ Mathematics	261 ▪
	☐ Business, Management and Accounting	168 ▪
	☐ Pharmacology, Toxicology and Pharmaceutics	125 ▪
	☐ Earth and Planetary Sciences	90 ▪

Currently applied filters:
No filters applied yet

Limit to › | Exclude › | ▣ Limit to publications in the past 5 years

‹ Previous step | Next step ›

6

Define a new Research Area   ⓘ View quick guide   ✕

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

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.12)

‹ 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

    • 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.

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.

1. Go to My SciVal, select Publication Sets from select-entity panel, then click Define a new entity and select Import a Publication Set.

2. 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.

3. 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.

1. 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.

2. Select a Researcher from your list.

3. Select your desired publications.

4. 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:

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

Notes
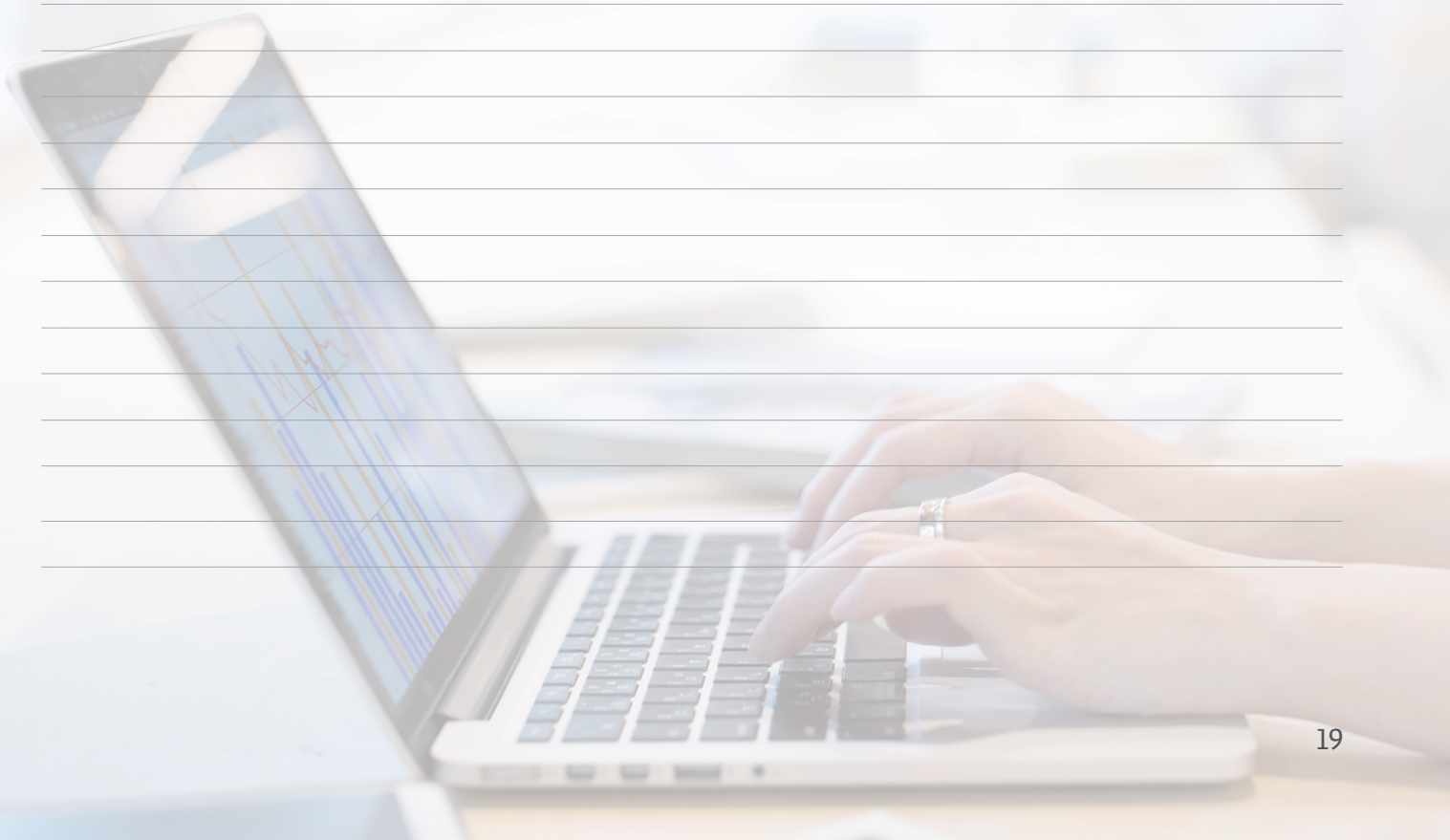
SciVal

For more information about SciVal,
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