Elsevier’s new generation of SciVal offers quick, easy access to the research performance of 4,600 research institutions and 220 countries 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.
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

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

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 Google maps
- Identify your top collaborative institutions and co-authorship by drilling into specific subject areas and self-defined research topics

Data source
Information provided by SciVal is drawn from the Scopus dataset. Scopus is the largest abstract and citation database of peer reviewed literature which includes 21,915 titles and 30,000 books from more than 5,000 international publishers:

- 20,874 peer-reviewed journals (including 2,800 open access journals)
- 367 trade publications
- 421 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 is a 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.

www.scival.com
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 Groups

   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 (2011 to 2013)
   - 3 years + current year (2011 to 2014)
   - 3 years + current year + beyond current year (2011 to >2014)
   - 5 years (2009 to 2013)
   - 5 years + current year (2009 to 2014)
   - 5 years + current year + beyond current year (2009 to >2014)

4. **Filter subject area** using 27 top level and 334 lower level subject areas based on Scopus All Subject Journal Classification (ASJC).

5. **Metric themes’ tabs** provide comprehensive understanding of the selected research entity based on:
   - Summary
   - Publications
   - Citations
   - Authors (for institutions and research areas)
   - Collaboration
   - Competencies (circle map, matrix map)
   - Institutions (for countries)

**Competency maps**

In addition to the traditional metrics based on journal-based subject classifications, SciVal uses a bottom-up approach looking into actual citation patterns to identify highly specific research topics across scientific fields and provides insights into an institution’s and a country’s research competencies and its newly emerging interdisciplinary areas.
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.

4. **Filter subject area** using 27 top level and 334 lower level subject areas based on Scopus ASJC.

5. **Select any combination of metrics** from the pull down list.

6. **Switch view** between chart and table.

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.
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.

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

3. **Select map view** to understand an institution’s existing collaboration landscape on Google maps.

4. **Select year range** from:
   - 3 years (2011 to 2013)
   - 3 years + current year (2011 to 2014)
   - 3 years + current year + beyond current year (2011 to >2014)
   - 5 years (2009 to 2013)
   - 5 years + current year (2009 to 2014)
   - 5 years + current year + beyond current year (2009 to >2014)

5. **Filter subject area** using 27 top level and 334 lower level subject areas based on Scopus ASJC or your self-defined Research Areas.
Select table view to access list of collaborating institutions.

Search institutions by name.

Limit collaborating institutions by region, country and segments using a drop-down box.

Sort collaborating institutions by impact using:
- Citations
- Citations per Publication
- Field-Weighted Citation Impact

Select institutions to:
- Assess output and impact of co-authored publications relative to performance of the entire institution
- View the subject area spread of co-authored publications

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 overview module to:
  - gain comprehensive overview of selected institutions
  - specify top authors per subject field of your interest
  - explore the institution’s research competencies
- Compare candidate institutions using 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 collaboration module to:
  - find out if anyone from your institution have co-author relationship
  - understand the top collaborators per discipline and how beneficial those collaborations are
Create your own Research Areas

SciVal offers a flexibility to create 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

4. **Competencies**
   - Select and combine competencies of any desired institutions or countries

Note: Computation of Research Areas with more than 1500 publications will take between 24-48 hours. You will be notified when the Research Area is available.

5. **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
   - Explore new and potential collaboration partners

Pre-defined entities

SciVal is a ready-to-use solution with access to pre-defined 4600+ institutions, 220 countries and groups.

Several groups of institutions and countries are made available such as EU27, US states, German Bundesländer and more.

You can also define your own institution based on:
- Publication sets (+ groups)
- Researchers (+ groups)
- Institutions (+ groups)
- Countries (+ groups)
Define Researchers and Groups

SciVal allows you to assess “what if” scenarios by modeling your own team and comparing its performance against your peers.

Adding researchers from entity selection panel:
You can define researchers from entity selection panel by combining and refining Scopus pre-defined Author Profiles.

1. Define a new Researcher by name search.
2. Select the author name variants of the researcher you are looking for.
3. Click Next step and save your researcher or Review publications to refine author’s publication list before saving. These changes will be reflected to Scopus within two weeks.

[Repeat to define each researcher.]

4. Define a group of researchers by selecting and combining your self-defined researchers.

When you combine author name variants, these changes will be reflected in Scopus within 2 weeks. You can also review the list of publications that will be sent to Scopus for further refinement.
Define Researchers and Groups (continued)

Adding researchers from My SciVal:
My SciVal will allow you to view all your researchers (self-defined or pre-defined by Scopus) where you can choose, tag and add them to your entity panel.

1. Select researchers from the list or by name search.
2. Click Add to entity selection panel.
3. Select to add researchers to your existing list or replace them.
4. Clicking View in Benchmarking will take you directly to the benchmarking module.
5. Click Add to panel.

How is my team performing?
Once your research teams are defined, you can benchmark against institutions, countries, or the world's average using metrics such as Citations per Publication.
Importing researchers and groups:
You can upload up to 300 Scopus Author-IDs (one AU-ID per researcher) in one action rather than to create each researcher one-by-one.

1. Click Define a new entity, then Import a list of Researchers (text file).

2. Click Create a new Group within these x researchers to save them as a group.

Define Publication Sets and Groups

You can create publication sets which you can use for grant applications, performance assessment and project managements.

Creating 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 and save.

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.
Managing My SciVal

My SciVal can be used to manage large number of researchers and other entity types as well as to easily browse, filter, tag and move entities to the entity-selection panel.

1. **Add tags** by departments and projects to manage researchers and research groups with ease.

2. **Add researchers** to select-entity panel, import researchers and publication sets using your own list.

3. **View groups of countries and institutions.**

4. **Edit Research areas** by adding more search terms or applying more filters.
How to login

Access www.scival.com and enter your username and password. Existing ScienceDirect and Scopus users can use the same login credentials.

1. **New to SciVal?**
   Click [Register now](#) to register yourself to get started.

2. **Forgotten your username or password?**
   Enter your email address you have registered, and you will receive an email with a link to reset your password.

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How to export

SciVal allows users to export data and charts for further use and analysis.

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For more information

For more information about SciVal, please contact us at [elsevier.com/research-intelligence](http://elsevier.com/research-intelligence)

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