



SciVal



# Introduction to SciVal: Methodologies for Comprehensive Research Performance Analysis and Benchmarking

**Scival Product overview**

Sept, 2024  
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# Housekeeping

- Please add your questions to the Q&A throughout the session
- We will review and address questions during the discussion section
- Recording and presentation will be sent to attendees after our session
- Thank you for your engagement!





# SciVal



**Dr Yoottapong  
Klinthongchai (Elsevier)**  
*Speaker*



**Lucia Schoombee, Senior  
Customer Success  
Consultant (SME), Elsevier**

## SciVal Webinars for Thailand

### WEBINAR 1



#### Topic: Introduction to SciVal: Methodologies for Comprehensive Research Performance Analysis and Benchmarking

SciVal is a comprehensive tool designed to analyze research performance and to support strategic decision-making in academic and research institutions. To effectively utilize SciVal, it is crucial to understand the source of its data, the functionalities of its various modules, and how to navigate its features, including benchmarking capabilities.

DATE: 30<sup>th</sup> September 2024 ■ TIME: 1:30 PM - 3:00 PM (TH time) ■ DURATION: 1.5 hrs

■ Dr Yoottapong Klinthongchai (Dr Win), Customer Success Manager, Elsevier ■ LANGUAGE: Thai (ไทย/ไทยถิ่นเหนือ)



### WEBINAR 2



#### Topic: Comprehensive Overview of Metrics in SciVal

To effectively evaluate and interpret research performance, it is essential to understand the various metrics available in SciVal. This section focuses on some of the most widely used indicators: Field-Weighted Citation Impact (FWCI), H-index, Top Citation Percentiles, and Journal Quantiles.

DATE: 14<sup>th</sup> October 2024 ■ TIME: 1:30 PM - 2:30 PM (TH time) ■ DURATION: 1 hr

■ Dr Yoottapong Klinthongchai (Dr Win), Customer Success Manager, Elsevier ■ LANGUAGE: Thai (ไทย/ไทยถิ่นเหนือ)



### WEBINAR 3



#### Topic: Understanding the Interpretation of Topics and Subject Areas in SciVal for Research Analysis

Prominence and how to use it to determine research speciality, expand collaboration as well as identify key journals which can help for your high quality of research.

DATE: 28<sup>th</sup> October 2024 ■ TIME: 1:30 PM - 2:30 PM (TH time) ■ DURATION: 1 hr

■ Dr Yoottapong Klinthongchai (Dr Win), Customer Success Manager, Elsevier ■ LANGUAGE: Thai (ไทย/ไทยถิ่นเหนือ)



### WEBINAR 4



#### Topic: Enhancing Your Research Report through Reporting and My SciVal

SciVal offers robust reporting capabilities to help institutions and researchers visualize and communicate research performance. This guide provides an overview of building custom reports, utilizing reporting templates, and managing entities effectively within SciVal.

DATE: 5<sup>th</sup> November 2024 ■ TIME: 1:30 PM - 2:30 PM (TH time) ■ DURATION: 1 hr

■ Lucia Schoombee, Senior Customer Success Consultant (SME), Elsevier ■ English (อังกฤษ/อังกฤษเหนือ)



### WEBINAR 5



#### Topic: SDG Alignment and University Ranking Analysis Using SciVal

Sustainable Development Goals (SDGs) are crucial for aligning research efforts with global sustainability targets. SciVal offers tools to analyze research contributions to SDGs, compare institutions, and understand rankings. This guide delves into how SDG contributions are calculated, how to analyze and benchmark SDG-related research, and provides insights into the Rankings Tab.

DATE: 2<sup>nd</sup> November 2024 ■ TIME: 1:30 PM - 2:30 PM (TH time) ■ DURATION: 1 hr

■ Lucia Schoombee, Senior Customer Success Consultant (SME), Elsevier ■ English (ไทย/อังกฤษเหนือ)



# Agenda

- **What SciVal is**; what challenges it tries to address; what are the data sources; what are the main use cases; architecture (modules)
- Focusing on the parameters for analysis - **Entities**, types of metrics, subject areas, topics, research areas
- **Benchmark**: In Compare, select comparators and select various metrics – this will put the performance in context
- Q&A



# What SciVal is

**What SciVal is;** what challenges it tries to address; what are the data sources; what are the main use cases; architecture (modules)

# SciVal- Flexibility to build your insights into global research



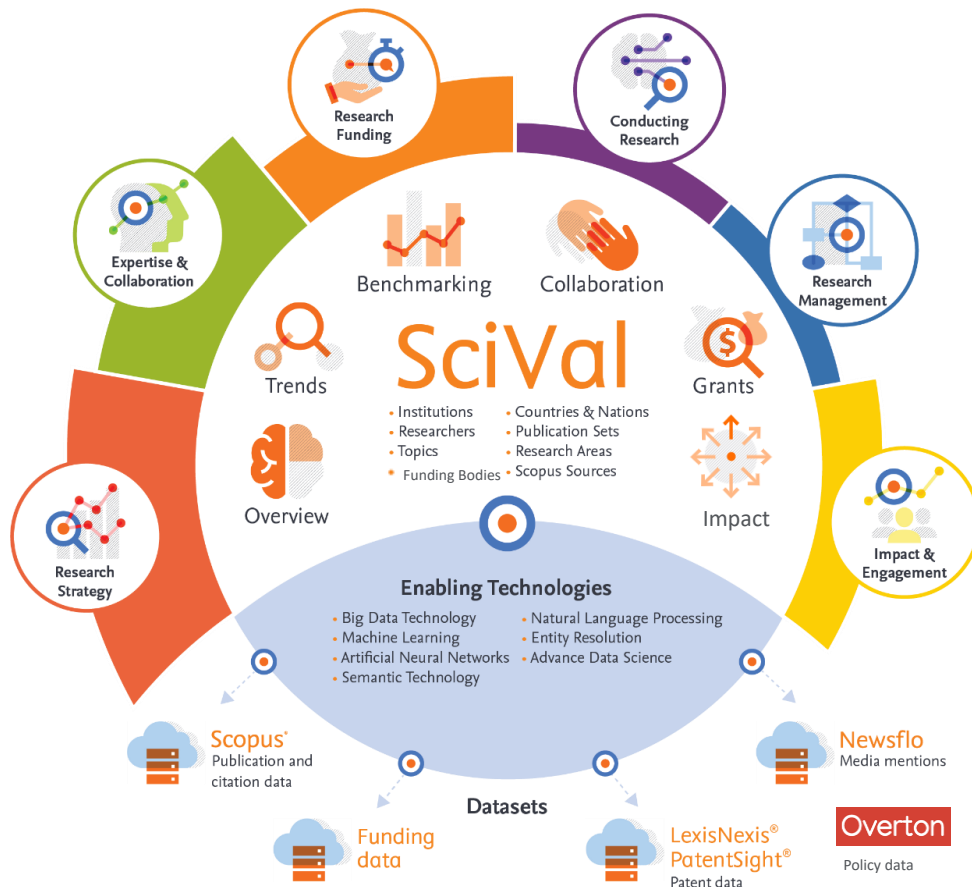
## Entities available to analyze

- 24,000+ Institutions from over 230 nations
- 17+M Researchers
- ~ 96,000 Topics
- Research Areas
- Publication Sets
- Scopus Sources
- Funding Bodies

Over 300 trillion metric values

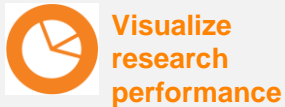
Data *updated weekly*

Connected, robust, enriched datasets

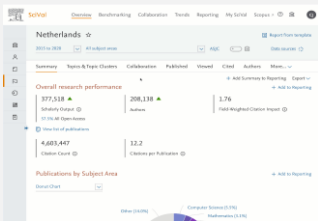


## Insightful analyses to inform research strategy and enhance research success

SciVal provides access to the research performance of over 24,000 research institutions and their associated researchers from more than 230 nations worldwide



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



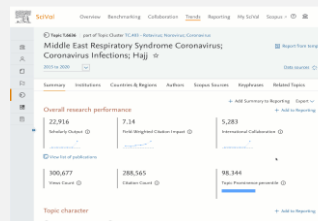
Flexibility to create and compare any research group or entity of interest



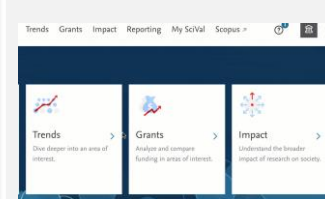
Identify and analyze existing and potential collaboration opportunities



Analyze research trends to discover the top performers and rising stars



Uncover and demonstrate the broader impact of your research on society





# SciVal Impact

Advance your research programs with outcome and impact analytics from powerful analyses of research information.



# SciVal Impact

Helping research organizations understand and demonstrate the broader impact of their research on society with authoritative impact analytics



## University Leaders

- Identify and **understand** the **societal, technological** and **political outcomes and impact** of their institution's research activities
- Identify the **research outputs** and researcher's **influencing policy making**
- Understand the health of their **innovation pipeline** and **technological outcomes and impact** through **citation** of research outputs in **patents**
- Demonstrate and **communicate** the **broader impact** of your research to key stakeholders with clear **impact narratives** and **impact metrics**



## Deans and Heads of Department

- Identify and understand the **policy impact** of their **Faculty/Departments** research activities
- Identify the **research outputs** and **researcher's influencing policy** making internally and externally
- Understand the health of their **innovation pipeline** and **technological outcomes and impact** through **citation** of research outputs in **patents**
- Enhance **promotion and tenure** applications and exercises



## Faculty and Researchers

- Identify, understand and demonstrate the **societal, technological** and **political impact** of their **research group**
- Identify the **research outputs** being **cited in policy documents** and **patents** to help build **impact narratives** and showcase expertise
- Enhance **promotion and tenure** applications with **impact narratives** and **metrics**
- Enrich **grant applications** and **impact case studies** with clear **impact narratives**



## Research Services

- Enhance **management-level reports** with data and insights around **broader research impact**
- Expand **support for promotion and tenure** exercises and grant applications
- Identify **research outputs** and **researchers** having **technological impact** and/or **societal** and **political impact** through influencing **policy making**

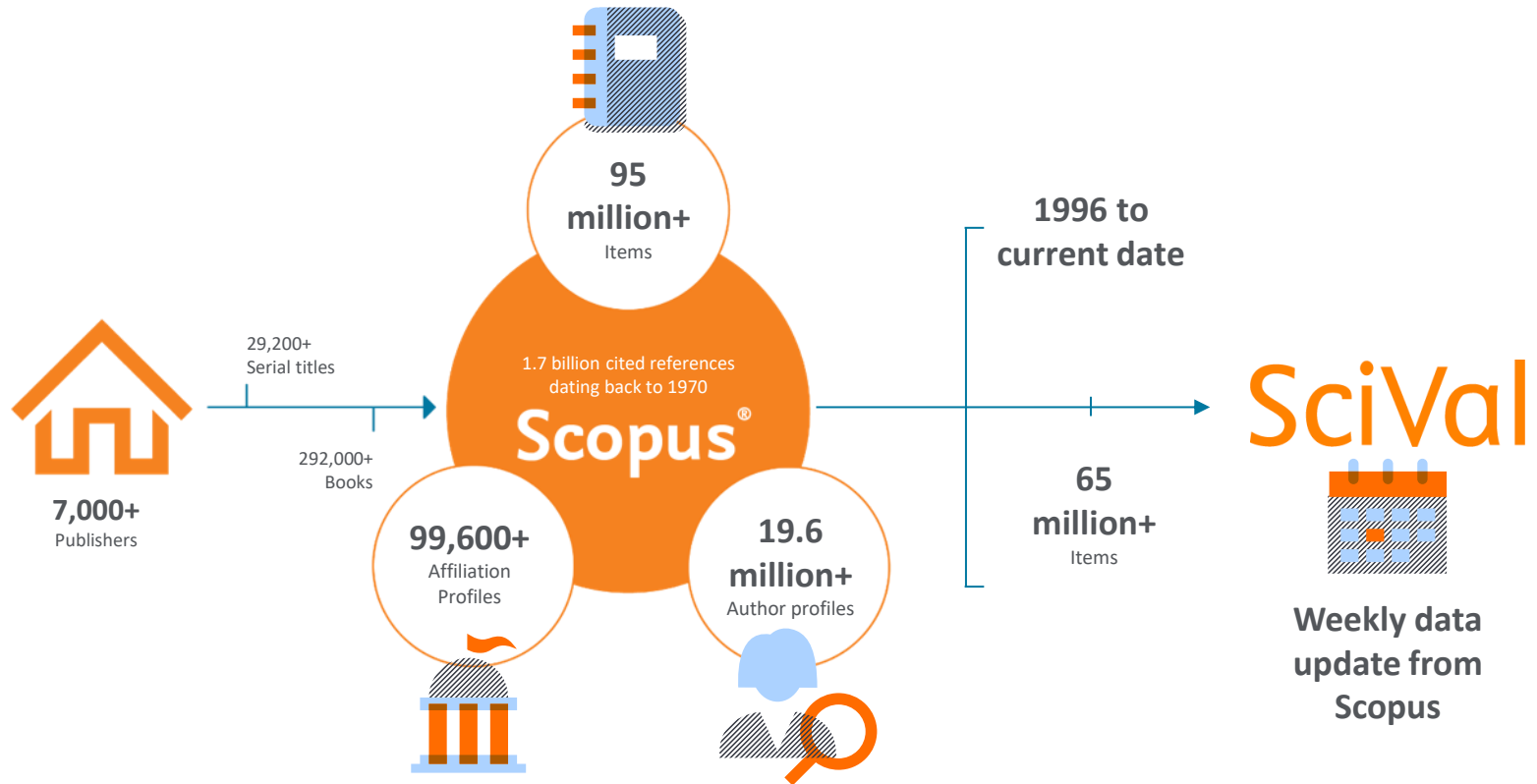
# Which Data Sources Feed Into SciVal?



The **Data Sources** button in the Heading opens a side panel with more information about data sources and their respective update schedules.

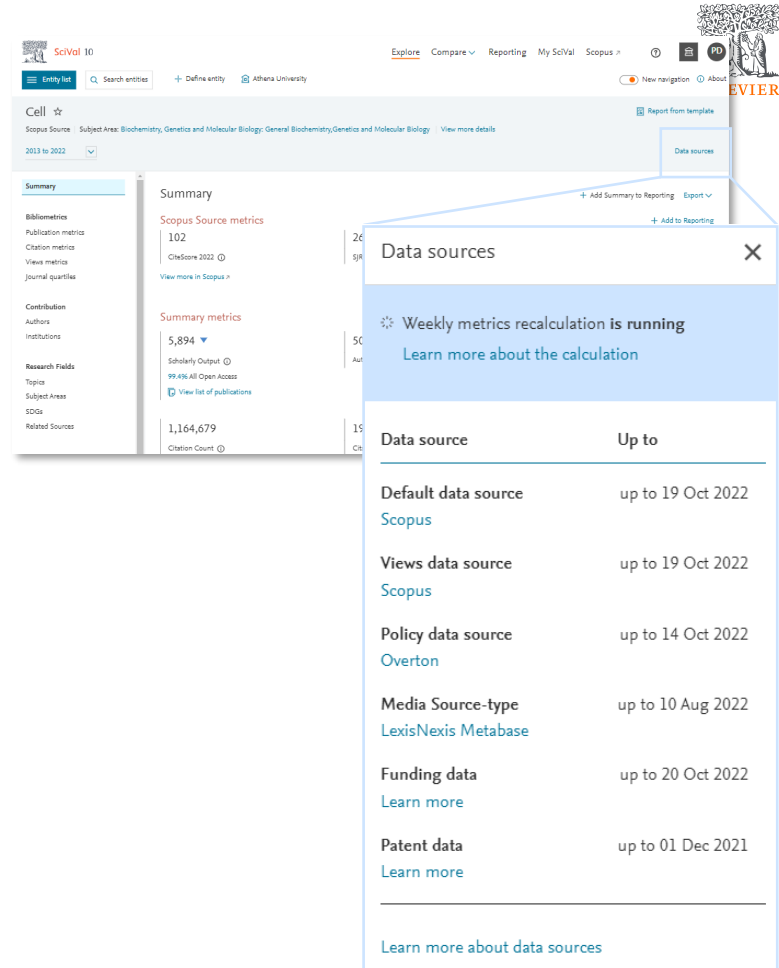
SciVal receives a **Weekly Update** of new data from Scopus. Other data types each have a different update schedule.

**Scopus** is a source-neutral abstract and citation database curated by independent subject matter experts.



# Data updates - Size matters

- SciVal is updated **weekly** with **Scopus citation data**
- Other data sources are updated at a different frequency
  - Find out the latest data cut via the Data sources link (on all modules)
- SciVal recalculates all metrics using the new citation data. We refer to it as a 'weekly'
- The 'weekly' data processing starts on Friday afternoon and ends on Monday (East Coast time)
- When the 'weekly' is running, new large entities you create (over 10k publications) are calculated when it finishes
- When the 'weekly' is not running, large entities you create take up to 6 hours to calculate
- The 'Data source' link shows when the next 'weekly' will start or if it is in progress



The screenshot shows the SciVal 10 interface with a 'Data sources' modal window open. The modal contains the following information:

**Data sources**

Weekly metrics recalculation is running  
[Learn more about the calculation](#)

Data source	Up to
<a href="#">Default data source</a> <a href="#">Scopus</a>	up to 19 Oct 2022
<a href="#">Views data source</a> <a href="#">Scopus</a>	up to 19 Oct 2022
<a href="#">Policy data source</a> <a href="#">Overton</a>	up to 14 Oct 2022
<a href="#">Media Source-type</a> <a href="#">LexisNexis Metabase</a>	up to 10 Aug 2022
<a href="#">Funding data</a> <a href="#">Learn more</a>	up to 20 Oct 2022
<a href="#">Patent data</a> <a href="#">Learn more</a>	up to 01 Dec 2021

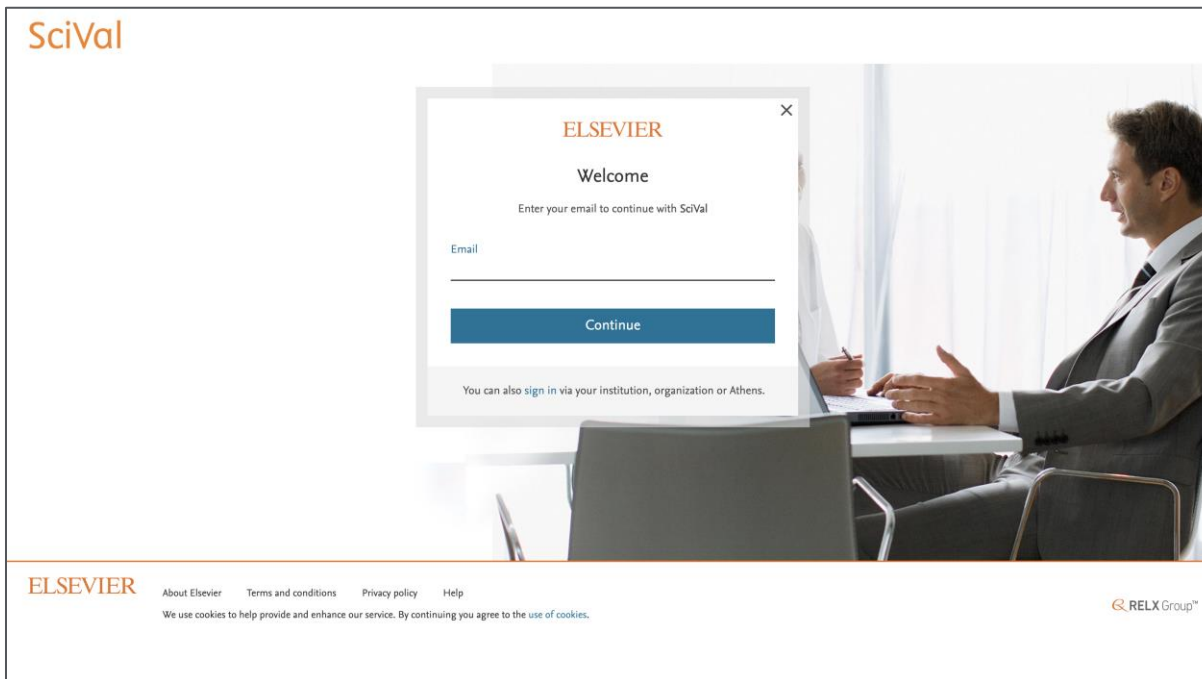
[Learn more about data sources](#)



# Entities

Focusing on the parameters for analysis - **Entities**, types of metrics, subject areas, topics, research areas

# Accessing SciVal at [www.scival.com](http://www.scival.com)

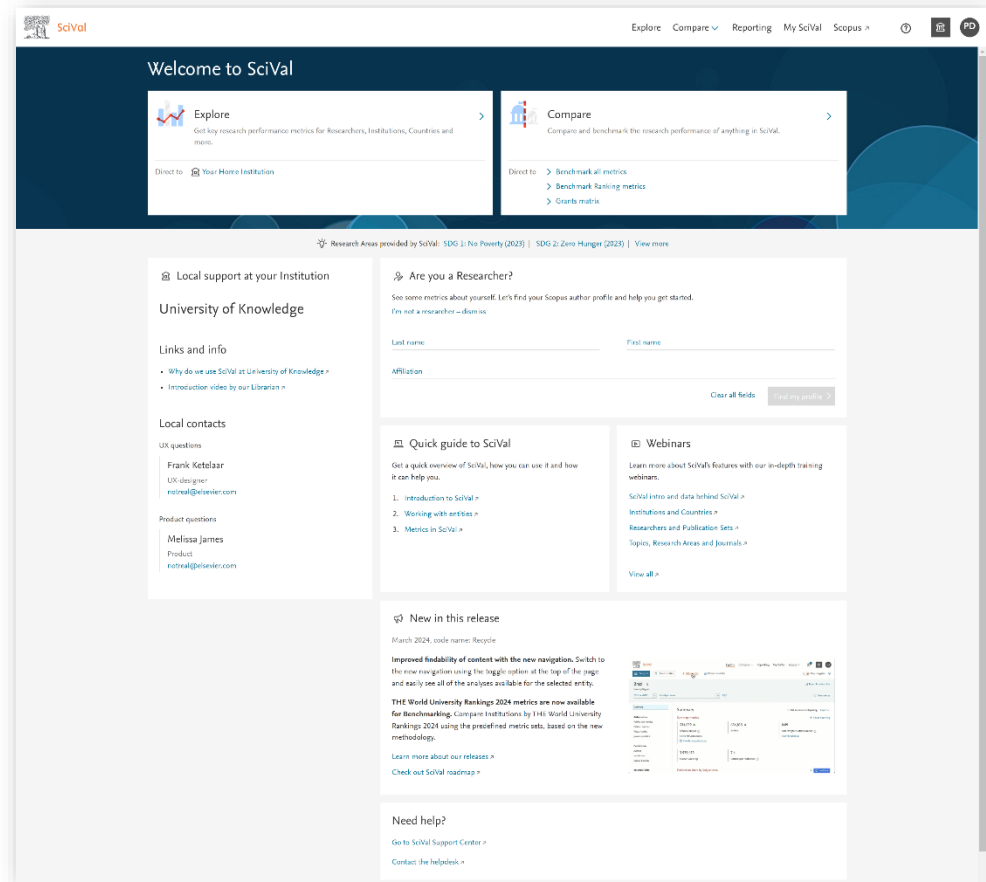


The screenshot displays the SciVal website interface. At the top left, the SciVal logo is visible. A central modal window is overlaid on the page, featuring the Elsevier logo and a "Welcome" message. The modal prompts the user to "Enter your email to continue with SciVal" and includes an "Email" input field and a blue "Continue" button. Below the button, there is a link to "sign in via your institution, organization or Athens." The background of the modal shows a blurred image of a man in a suit sitting at a desk with a laptop. At the bottom of the page, the Elsevier logo is on the left, followed by links for "About Elsevier", "Terms and conditions", "Privacy policy", and "Help". A small text line states, "We use cookies to help provide and enhance our service. By continuing you agree to the use of cookies." On the bottom right, the RELX Group logo is present.

If you haven't previously registered for Scopus or ScienceDirect then please go to **Register Now.**

# SciVal Homepage?

- Add details of local support at your Institution
- Connect your profile
- Access a Quick guide to SciVal
- Access the latest SciVal Webinars
- “New in this Release” >> see details of the latest release
- SciVal Development Roadmap >> see what’s coming up for SciVal
- Access help



# Entities



SciVal



Institutions and Groups



Researchers and Groups



Publication Sets



Countries, Regions and Groups



Topics, Clusters and Groups



Research Areas



Scopus Sources



Funding Bodies and Groups



## Institutions and Groups

• Includes all research outputs where an author is listed as affiliated to that particular institution



## Researchers and Research Groups

• Includes all research outputs for a particular researcher, irrespective of affiliation



## Publication Sets

• A customized set of publications from an authors or authors. Can also be imported using DOI, PMID or EID



## Countries and Groups

• Includes all research outputs where an author is listed as affiliated to an institution within a particular country



## Research Areas

• A publication set defined by keywords, Scopus journal categories, by a set of journals or by Topics



## Scopus Sources

• All sources covered by Scopus  
• Journals, Book series, Conference proceedings and Trade Journals

## What is an entity?

- Anything you want!
- From 1 paper to the whole world of content from Scopus (1996 to present)
- Predefined
  - e.g. Institutions (groups), Researchers (groups), Topics, Research Areas etc.
- User defined
  - e.g. Research Areas, Groups of Researchers, Publication Sets etc.
- Publication sets are a fixed list of documents (50k upload and 200k max)
- Research Areas are a live search (max 200k docs) – updated weekly

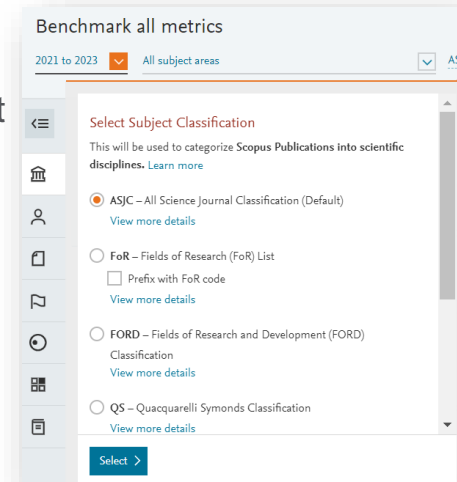


# Subjects & Research fields



In SciVal, you can choose from the following Subject Classifications:

- **ASJC** - All Science Journal Classification: 27 subject areas and 300+ subject categories.
- **FoR** - Fields of Research (FoR) List: Part of the 2020 Australian and New Zealand Standard Research Classification (ANZSRC). Each FoR subject area is mapped to one or more Scopus sources.
- **QS** - Quacquarelli Symonds Classification: This classification is used in QS World University Rankings. It covers 5 subject areas and 51 subjects. Each QS subject area is mapped to one or more ASJC.
- **THE** - Times Higher Education Classification: This classification is used in the THE World University Rankings. It covers 11 subject areas mapped to ASJC. Each subject area is mapped to one or more ASJC.
- **SDGs** - Sustainable Development Goals Classification Download the subject classification definition, Subject areas and mappings:  
[https://service.elsevier.com/app/answers/detail/a\\_id/21717/supporthub/scival/kw/classification/](https://service.elsevier.com/app/answers/detail/a_id/21717/supporthub/scival/kw/classification/)



# SciVal publication types

- SciVal includes all publication types in Scopus
- Filter options:
  - All publication types
  - Articles only
  - Articles and conference papers
  - Articles and reviews
  - Articles, reviews and conference papers
  - Articles, reviews, conference papers, books and book chapters
  - Books and book chapters
  - Conference papers only



Authorship Type



Percentage / Total value



Include Self-Citation



H-index, G-index, M-index



Amount / Count



CiteScore, SJR, SNIP



Quartiles, percentiles

Additional examples of filtering

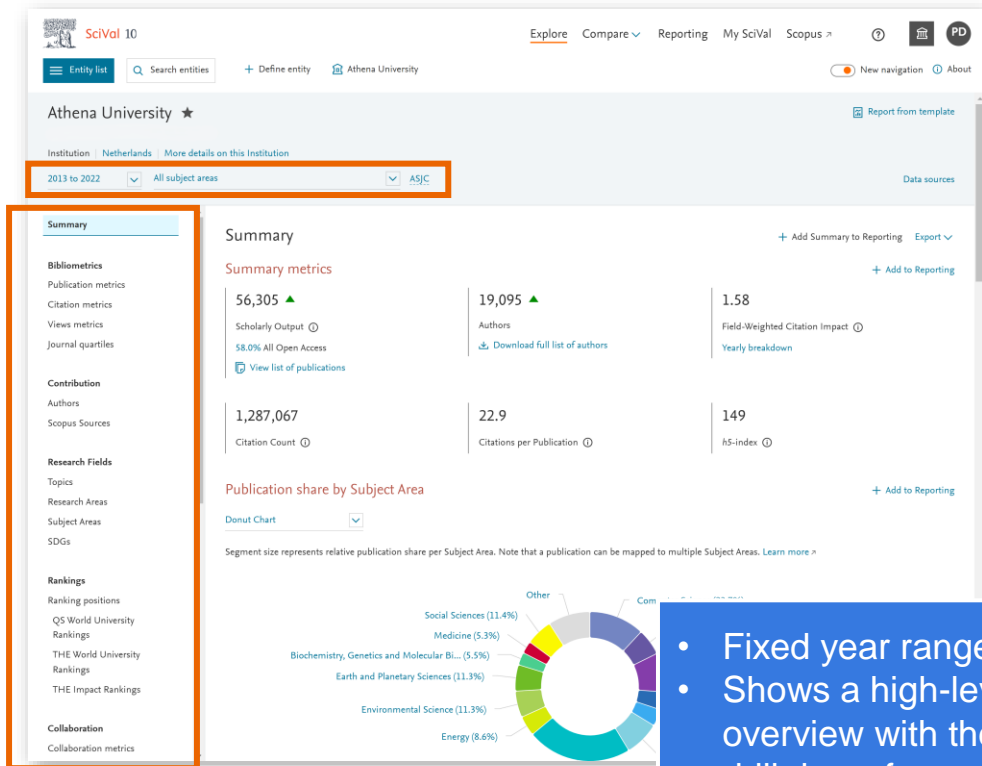
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# The array of metrics through SciVal

Metric theme	Metric sub-theme	Metrics in SciVal	
A. Inputs / Allocated resource (1)	Competitive project funding	<ul style="list-style-type: none"> <li>Awards Value</li> <li>Annualised Awards Value</li> <li>Awards Count</li> <li>Median Amount</li> </ul>	<ul style="list-style-type: none"> <li>Funding per Topic</li> <li>Resulting publications</li> <li>Awardee role</li> </ul>
	Talent	<ul style="list-style-type: none"> <li>Author Profile Research Indicators</li> </ul>	
B. Outputs (4)	Productivity of research outputs	<ul style="list-style-type: none"> <li>Scholarly Output                             <ul style="list-style-type: none"> <li>Number, Type and Growth, Open Access</li> <li>Subject Area Count</li> </ul> </li> </ul>	
	Visibility of communication channels	<ul style="list-style-type: none"> <li>Publications in Top Journal Percentiles</li> <li>CiteScore</li> </ul>	
C. Impact in academia (4)	Research influence	<ul style="list-style-type: none"> <li>Citations Count</li> <li>Field-Weighted Citation Impact</li> <li>Outputs in Top Citations Percentiles</li> <li>Citations per publication</li> <li>Cited publications</li> <li><i>h</i>-indices</li> </ul>	<ul style="list-style-type: none"> <li>Research Field/Topic Prominence</li> <li>THE Citation Score</li> <li>Number of citing countries</li> <li>Views Count</li> <li>Outputs in Top Views Percentiles</li> <li>Views per Publication</li> <li>Field-Weighted Views Impact</li> </ul>
D. Process (3)	Academic network	<ul style="list-style-type: none"> <li>Collaboration (International, National, Institute, single author)</li> <li>Collaboration Impact</li> </ul>	
	Reproducibility	<ul style="list-style-type: none"> <li>Open access</li> <li>Publications with Research data</li> </ul>	
E. Outcomes & Impact beyond academia (5)	Technological & Economic impact, Knowledge & Tech transfer	<ul style="list-style-type: none"> <li>Academic-Corporate Collaboration</li> <li>Academic-Corporate Collaboration Impact</li> </ul>	<ul style="list-style-type: none"> <li>Patents Count</li> <li>Scholarly Output cited by Patents</li> <li>Patent Citations Count</li> <li>Patent-Citations per Scholarly Output</li> </ul>
	Societal and political impact, Public Governance, Knowledge transfer	<ul style="list-style-type: none"> <li>Scholarly Output cited by Policy</li> <li>Citing Policy Documents</li> <li>Citing Policy Bodies</li> </ul>	<ul style="list-style-type: none"> <li>Policy Citations</li> <li>Citing Policy Body Countries</li> <li>United Nations SDGs Relative Activity</li> </ul>
	Societal and Public Opinion impact	<ul style="list-style-type: none"> <li>Mass Media</li> <li>Media Exposure</li> </ul>	

# Overview Module

Develop, advance and monitor your research programs and strategy



- Fixed year ranges
- Shows a high-level overview with the option to drill down for more detail

## Understand and visualize research performance

The **Overview module** provides high-level overviews of research performance for you and your peers globally.

- Profile and evaluate the **performance of institutions**, researchers or research groups
- Understand performance and **research strengths in specific Research Areas, Publications Sets or Topics**
- Explore your **collaborations** and identify potential new partners
- **Analyze and understand the actual bibliometrics used in the THE and QS World University Rankings** as well as the THE Impact Rankings

# Field-Weighted Citation Impact (FWCI)

- Field-Weighted Citation Impact shows how well cited this document is when compared to similar documents.
- The FWCI is the ratio. **A value greater than 1.00 means the document is more cited than expected according to the average.**
- It takes into account:
  - The year of publication - three-year window
  - Document type, and
  - The disciplines associated with its source.

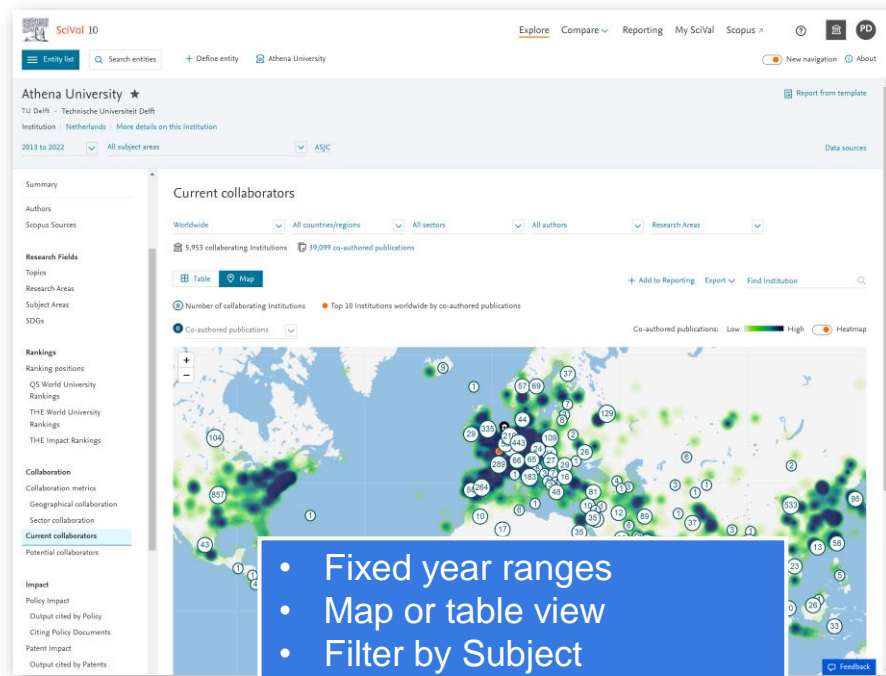
## FWCI (Field Weighted Citation Impact)

The number of citations per literature divided by its world average **Calculated by year, discipline, and literature type.**

The world average is one, and in the case of your institution with FWCI of 1.15, it means that on average your institution's co-authored publications are cited 15% higher than that of the world.

# Collaboration Module

Advance your research programs with insights into global expertise across sectors and fields



- Fixed year ranges
- Map or table view
- Filter by Subject Classification, Research Areas defined by you, sector and authors

## Enhance team building and build outstanding collaborations

The **Collaboration** module helps you evaluate your existing research collaborations and identify potential new partners.

- Explore **interactive maps** and tables to evaluate existing partnerships
- Filter by subjects, Research Areas defined by you, sectors or authors
- **Identify new opportunities** for collaboration partnerships globally
- **Enhance team building efforts** by uncovering research expertise on and beyond campus

# Trends Module

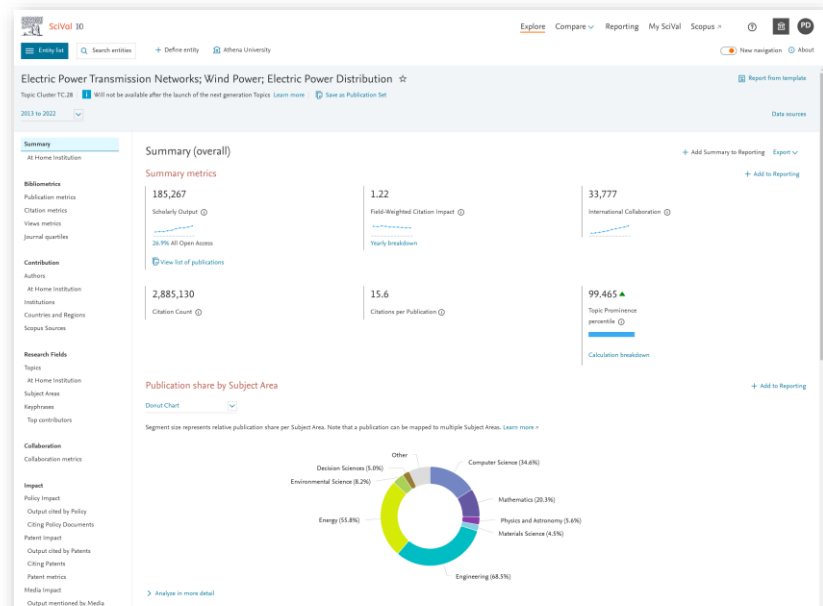
Gain a deep understanding of research fields and leading experts globally

## Monitor trends in research

Evaluate Topics, Research Areas and Publication Sets in detail

The **Trends module** enables you to gain a deep understanding of Research fields and leading experts globally.

- Analyze the developments in fields of interest through **graphs, tables, charts and keyphrase analyses**.
- **Define your own topic** / field of interest or use a pre-defined one from SciVal
- Identify the **key institutions and researchers** contributing to a research field globally
- **Investigate individuals or groups contributions** to fields through an array of metrics and analyses.



- Fixed year ranges
- Keyphrase analysis
- Dissect a Topic to learn more about it



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# Demonstrations





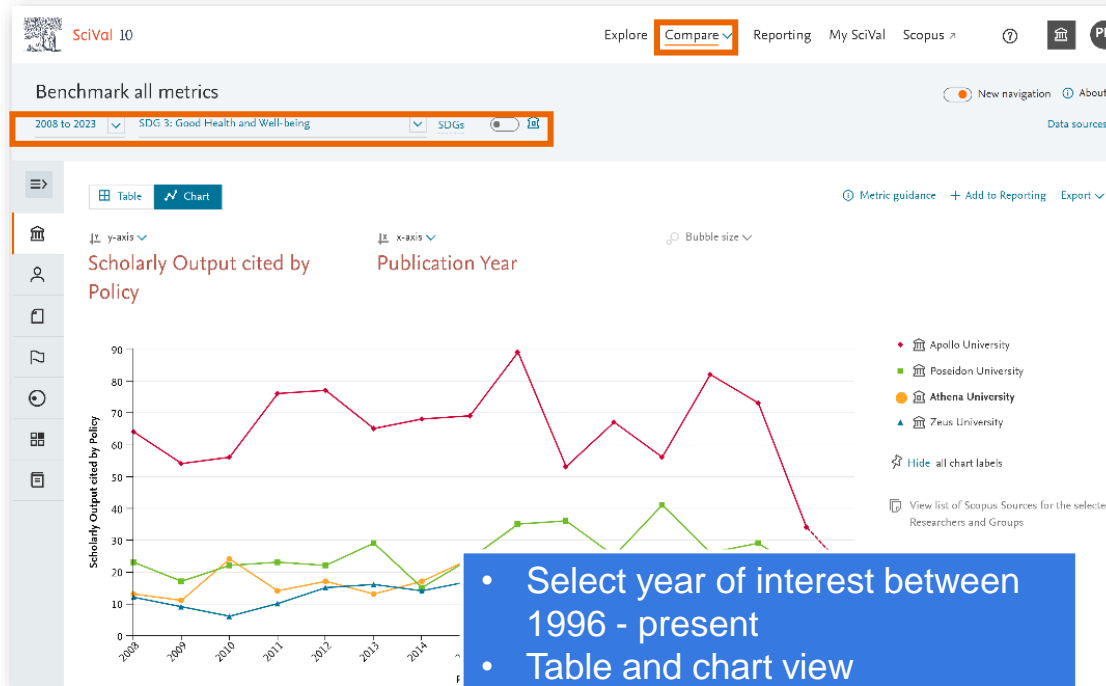


# Benchmarking

**Benchmark:** In Compare, select comparators and select various metrics  
– this will put the performance in context

# Benchmarking Module

Benchmark your progress



## Evaluate, benchmark and monitor progress

The **Benchmarking module** enables you to evaluate your research performance in comparison to others in your region, country and the world.

- Compare your research performance to peer groups and institutions over time
- Analyze and benchmark collaboration partners
- Profile developments in fields over time
- Choose from an array of research metrics, zoom in on a year range or subject area and build insightful reports.
- Benchmark with peers and analyze trends across the research metrics used in university rankings
- Benchmark and understand your contribution to the UN SDGs

# Full metric guidance in product

SciVal now brings rich information about each metric directly into the page you're looking at within all modules.

- **Click the info icon or metrics guidance link**

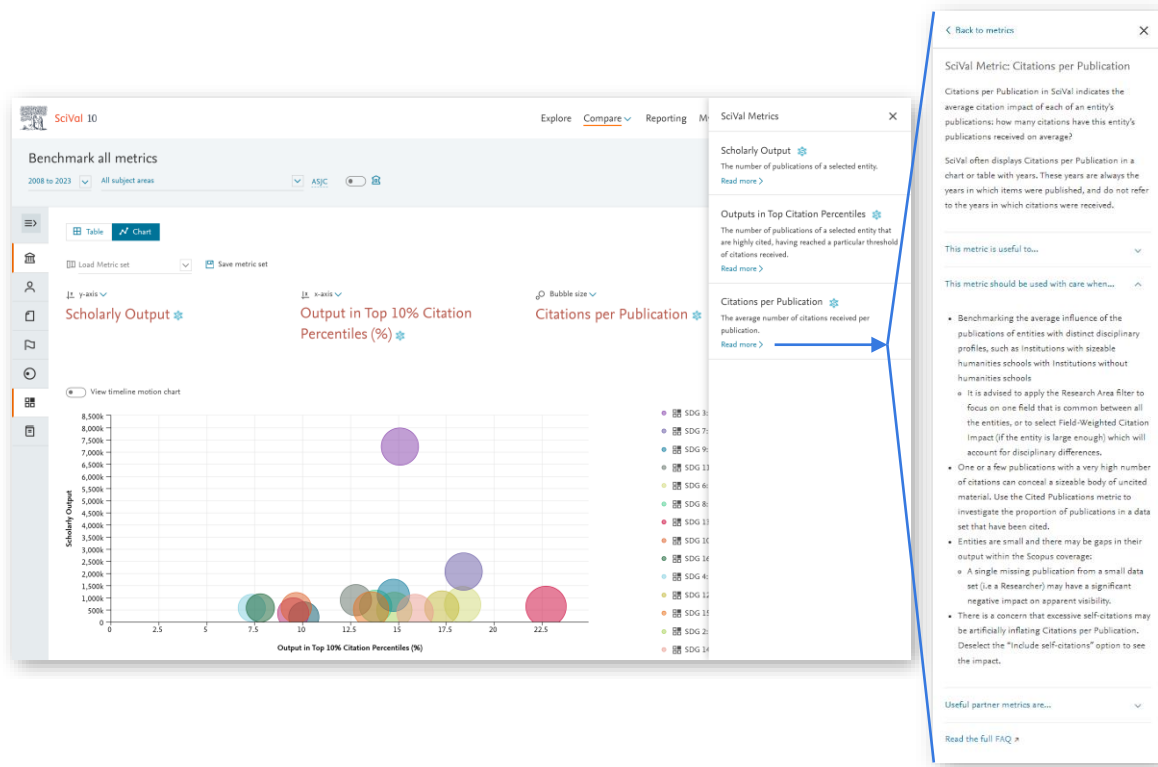
- Detailed information displayed in panel on right
- Information pulled directly from the Support Center

- **Understanding metrics**

- Strengths and weaknesses in context

- **Selection and interpretation of metrics**

- What affects their values, besides performance?



The screenshot displays the SciVal 10 interface. The main area shows a bubble chart titled 'Benchmark all metrics' for the period 2008 to 2023, covering all subject areas. The chart plots 'Scholarly Output' on the y-axis (ranging from 0 to 8,500) against 'Output in Top 10% Citation Percentiles (%)' on the x-axis (ranging from 0 to 25). A legend on the right lists various SDG categories. A blue arrow points from the 'Citations per Publication' metric in the chart to a detailed panel on the right.

The detailed panel on the right, titled 'SciVal Metric: Citations per Publication', provides the following information:

- Back to metrics** (with a close icon)
- SciVal Metric: Citations per Publication**
- Citations per Publication in SciVal indicates the average citation impact of each of an entity's publications: how many citations have this entity's publications received on average?**
- SciVal often displays Citations per Publication in a chart or table with years. These years are always the years in which items were published, and do not refer to the years in which citations were received.**
- This metric is useful to...** (dropdown menu)
- This metric should be used with care when...** (dropdown menu)
- Benchmarking the average influence of the publications of entities with distinct disciplinary profiles, such as institutions with sizeable humanities schools with institutions without humanities schools**
  - It is advised to apply the Research Area filter to focus on one field that is common between all the entities, or to select Field-Weighted Citation Impact (if the entity is large enough) which will account for disciplinary differences.
- One or a few publications with a very high number of citations can conceal a sizeable body of uncited material. Use the Cited Publications metric to investigate the proportion of publications in a data set that have been cited.**
- Entities are small and there may be gaps in their output within the Scopus coverage:**
  - A single missing publication from a small data set (i.e. a Researcher) may have a significant negative impact on apparent visibility.
- There is a concern that excessive self-citations may be artificially inflating Citations per Publication. Deselect the "Include self-citations" option to see the impact.**
- Useful partner metrics are...** (dropdown menu)
- [Read the full FAQ >](#)



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# Demonstrations



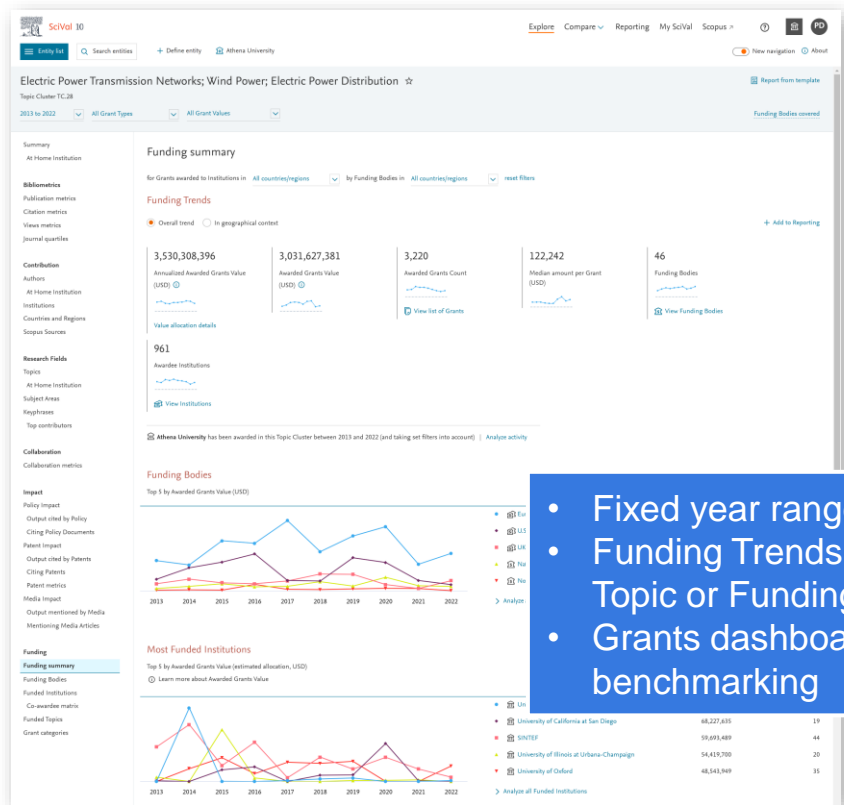
# Grants Module – US only

Funding landscape intelligence to support strategic planning and advance funding strategies

## Advance funding strategies

The **Grants module** provides quantitative funding landscape insights to help advance funding strategies.

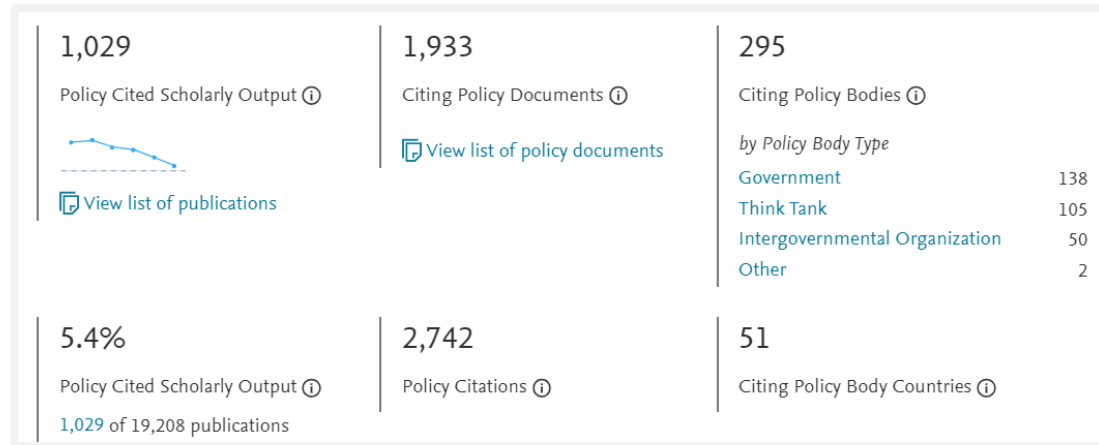
- Discover funding trends in priority areas and identify funding bodies active in these areas
- Identify the leading researchers and funding recipients
- Profile and understand peer strategies
- Explore adjacent fields attracting funding as potential areas for growth



# Policy documents

- Policy documents from Overton
- 485k policy documents
- 1,500 bodies
- 3.2 million output
- Available in the Impact Module
- Available across all entities
- 1996 onwards
- Updated weekly
- Full list of policies available

Example: Stellenbosch University, 2017 to 2022



SciVal Impact Module

# Coverage of policies

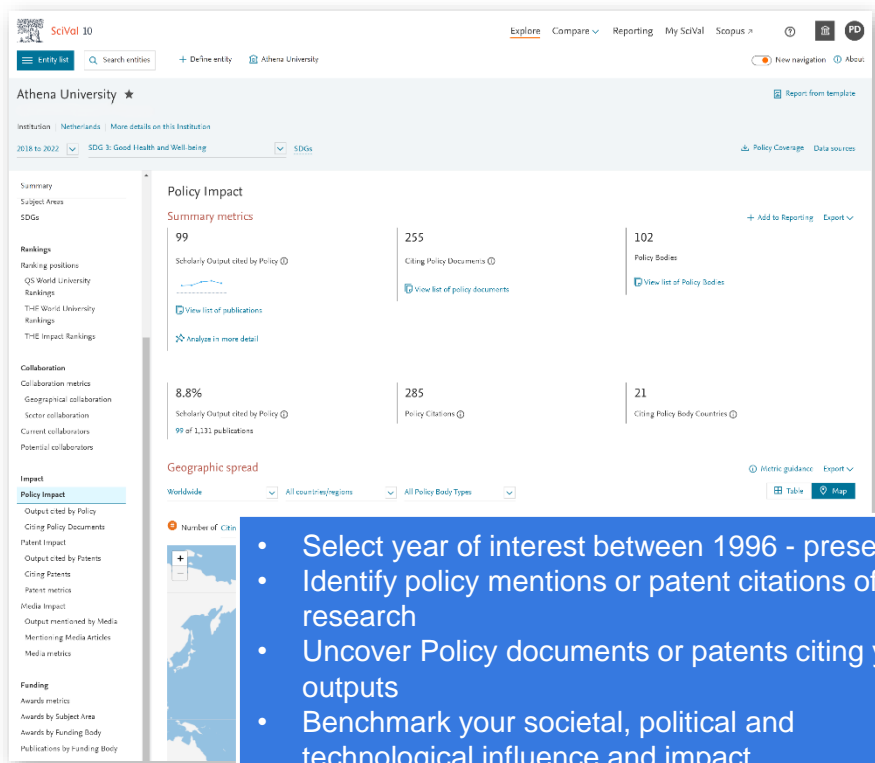
- Policy data in SciVal is licensed from **Overton** – weekly updates
- Overton is the world's largest searchable index of policy documents, guidelines, think tank publications and working papers
- Policy docs from 150 countries (see map)
- SciVal receives all policy docs with DOIs that map to Scopus
- 485k policy docs citing 2.5M unique scholarly outputs in SciVal

- 📍 1 - 29 (51)
- 📍 30 - 139 (30)
- 📍 145 - 354 (25)
- 📍 360 - 1620 (23)
- 📍 1662 - 136070 (23)



# Impact Module

Demonstrate the broader impact of your research on society with impact data, metrics and insights



- Select year of interest between 1996 - present
- Identify policy mentions or patent citations of your research
- Uncover Policy documents or patents citing your outputs
- Benchmark your societal, political and technological influence and impact
- Understand and showcase your impact and contribution towards the UN SDGs

## Demonstrate your broader research impact

The **Impact module** enables you to uncover and highlight your societal, political and technological impact at the organization, research group and individual level.

- Identify policy mentions and patent citations to develop clear impact narratives for funding bids and case studies
- Discover research outputs and researchers influencing policy making or driving innovation who could represent collaboration opportunities
- Strengthen promotion and tenure applications with quantitative evidence of your research impact beyond citations
- Showcase your broader impact to the public, potential donors, governments and funding bodies
- Understand and showcase your impact in fields contributing to achieving the UN SDGs





# Report

How to create a simple **Report** in SciVal e.g. High-level template report

# Reporting

Update stakeholders, track progress and create, manage and organize your information

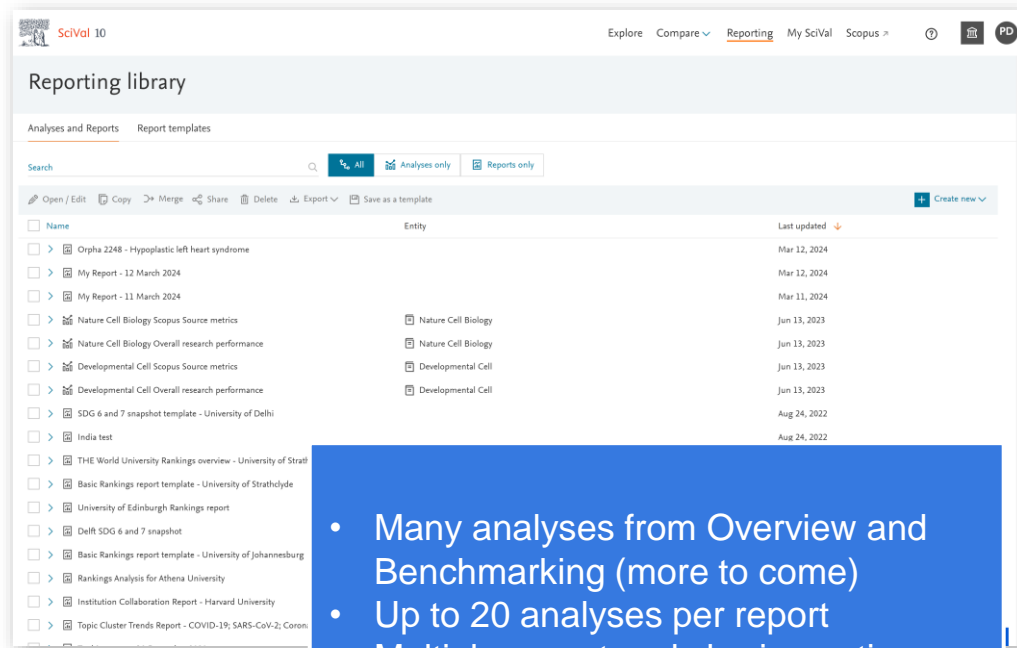
## Reporting

Create tailored reports to update stakeholders, track progress and inform management decisions

The comprehensive reporting functionality in SciVal allows you to produce and share reports tailored to your organization's needs.

- Create analyses across all six of the SciVal modules
- Combine and edit your analyses
- Select and adapt a variety of predefined reporting templates from SciVal and customers
- Save your most used reports as templates
- Share reports with other SciVal users in your Institution

The reporting functionality ensures you can analyze and construct and model scenarios for entities such as researchers, research groups or Research Areas of interest.



Name	Entity	Last updated
> Orpha 2248 - Hypoplastic left heart syndrome		Mar 12, 2024
> My Report - 12 March 2024		Mar 12, 2024
> My Report - 11 March 2024		Mar 11, 2024
> Nature Cell Biology Scopus Source metrics	Nature Cell Biology	Jun 13, 2023
> Nature Cell Biology Overall research performance	Nature Cell Biology	Jun 13, 2023
> Developmental Cell Scopus Source metrics	Developmental Cell	Jun 13, 2023
> Developmental Cell Overall research performance	Developmental Cell	Jun 13, 2023
> SDG 6 and 7 snapshot template - University of Delhi		Aug 24, 2022
> India test		Aug 24, 2022
> THE World University Rankings overview - University of Strathclyde		
> Basic Rankings report template - University of Strathclyde		
> University of Edinburgh Rankings report		
> Delft SDG 6 and 7 snapshot		
> Basic Rankings report template - University of Johannesburg		
> Rankings Analysis for Athena University		
> Institution Collaboration Report - Harvard University		
> Topic Cluster Trends Report - COVID-19; SARS-CoV-2; Coron		

- Many analyses from Overview and Benchmarking (more to come)
- Up to 20 analyses per report
- Multiple export and sharing options
- Create or use report templates

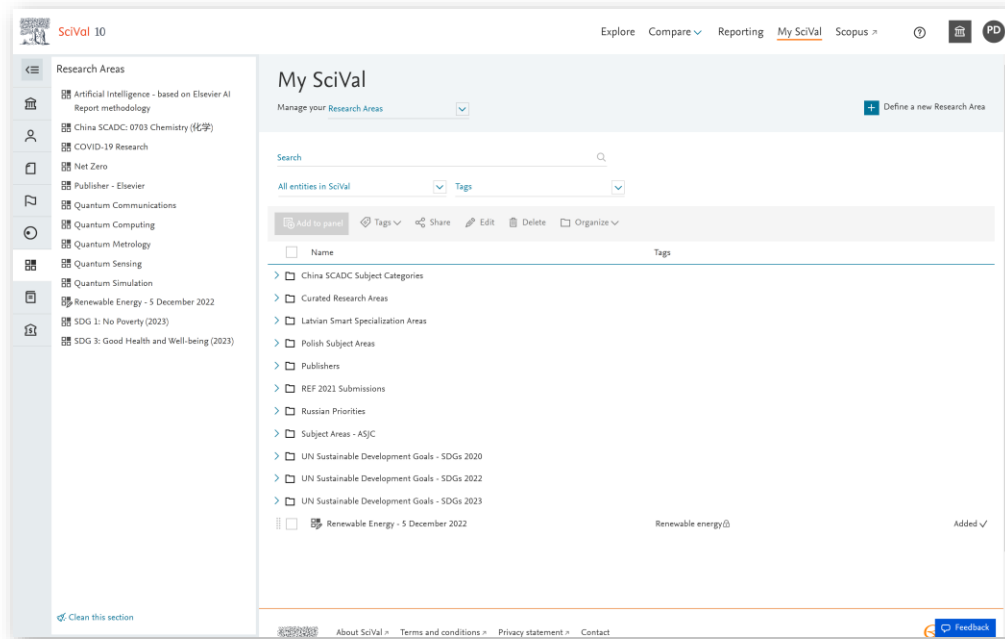
# My SciVal

Update stakeholders, track progress and create, manage and organize your information

## My SciVal

Use My SciVal to create, manage and organize your information

- **Create, manage and organize your entities** to make finding, sharing and analyzing them in SciVal straightforward.
- **Build a group of researchers** you want to evaluate and monitor
- **Edit Research Areas** by adding search terms of applying filters
- Add and modify tags such as department or project names to manage entities with ease
- Share entities with other SciVal users
- Download information about all Topics & Topic Clusters in a single spreadsheet





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# SciVal

## Recent Enhancements in 2024





# 2024

There have been two releases so far in 2024

# New architecture

To make SciVal easier to navigate and content easier to find, the pages in SciVal into 2 main analysis sections: **“Explore”** and **“Compare”**, while keeping Reporting and My SciVal.

**“Explore”** combines the pages from modules which analyze entities one by one (Overview, Collaboration, Trends, Impact and Grants) into one place.

**“Compare”** contains pages that support the selection and analysis of multiple entities: the pages previously grouped under Benchmarking, as well as the Grants Dashboard for subscribers to the Grants module.

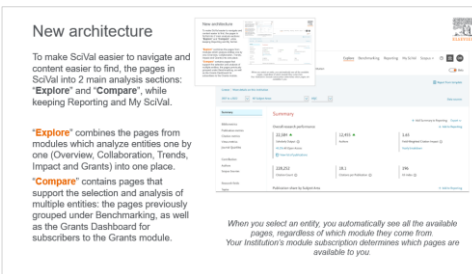
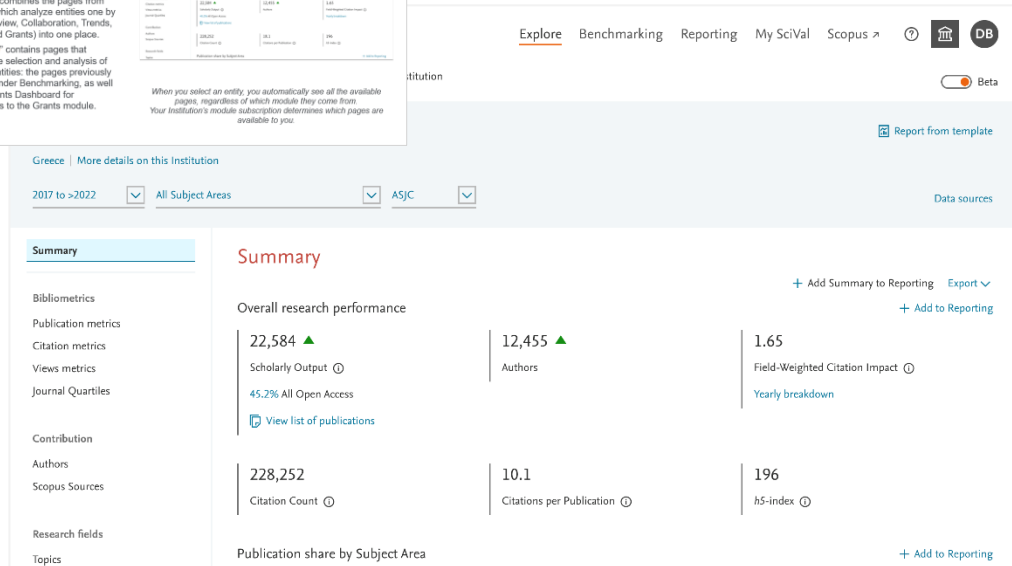
**New architecture**

To make SciVal easier to navigate and content easier to find, the pages in SciVal into 2 main analysis sections: **“Explore”** and **“Compare”**, while keeping Reporting and My SciVal.

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**“Compare”** contains pages that support the selection and analysis of multiple entities: the pages previously grouped under Benchmarking, as well as the Grants Dashboard for subscribers to the Grants module.

When you select an entity, you automatically see all the available pages, regardless of which module they come from. Your Institution's module subscription determines which pages are available to you.

Greece | More details on this Institution

2017 to >2022 | All Subject Areas | ASJC

**Summary**

Bibliometrics

Publication metrics

Citation metrics

Views metrics

Journal Quartiles

Contribution

Authors

Scopus Sources

Research fields

Topics

**Summary**

Overall research performance

22,584 ▲ Scholarly Output

45.2% All Open Access

View list of publications

12,455 ▲ Authors

1.65 Field-Weighted Citation Impact

Yearly breakdown

228,252 Citation Count

10.1 Citations per Publication

196 h5-index

Publication share by Subject Area

+ Add Summary to Reporting Export

+ Add to Reporting

Report from template

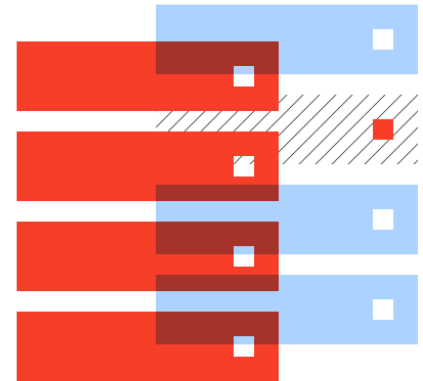
Beta

*When you select an entity, you automatically see all the available pages, regardless of which module they come from. Your Institution's module subscription determines which pages are available to you.*

# Big data pipeline migration in progress

## 2024+

- Flexible year ranges
- Multi-select for Subject areas in Benchmarking and Impact
- More Subject classifications
- Flexible content type selection
- Larger entities with real-time computation
- Faster pre-computation
- Daily processing available throughout the week

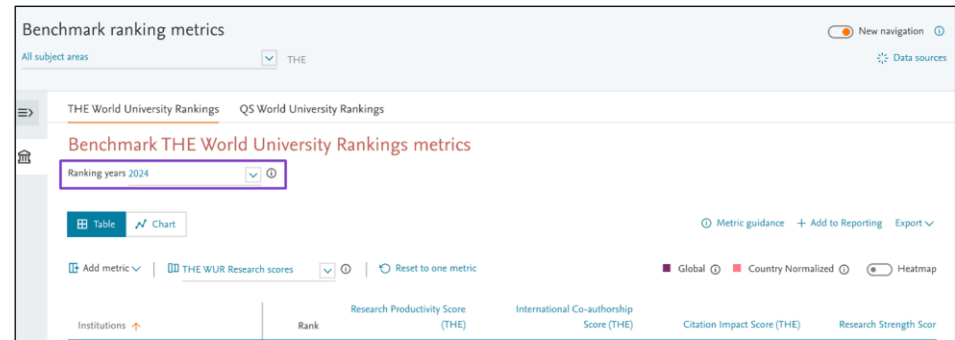
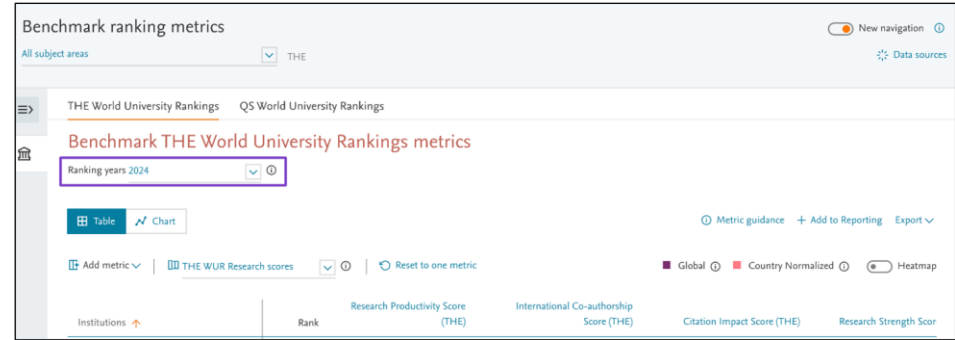


# 2024 Rankings

THE World University Rankings 2024 metrics are now available for Benchmarking (rankings metrics)

Compare Institutions using metrics from the THE World University Rankings 2024 (announced on September 27, 2023) in Benchmarking.

Create a comparison effortlessly using predefined metric sets, then export and generate reports with just a few clicks.



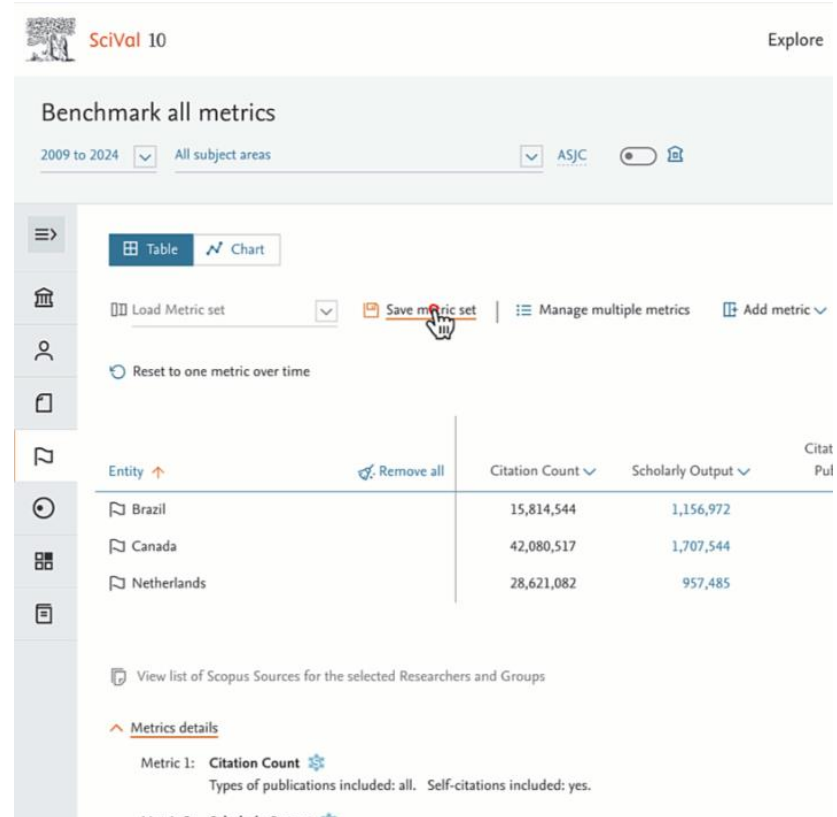


# Metric Sets

Once you have populated your Benchmark (all metrics) analyses with the required metrics, you can now save the set as a template analysis to easily load next time you need it, removing the need to configure from scratch.

The 'Save metric set' button is available on the main analyses page, as well as in the multiple metrics management screen.

You can manage your metric sets in Settings, 'Metric Sets' tab.



SciVal 10 Explore

Benchmark all metrics

2009 to 2024 ▼ All subject areas ▼ ASJC 🔍

Table ↕ Chart

Load Metric set ▼ **Save metric set** | Manage multiple metrics ☰ Add metric ▼

Reset to one metric over time

Entity <span>↑</span>	<span>🗑️</span> Remove all	Citation Count <span>▼</span>	Scholarly Output <span>▼</span>	Citat Pul
Brazil		15,814,544	1,156,972	
Canada		42,080,517	1,707,544	
Netherlands		28,621,082	957,485	

📄 View list of Scopus Sources for the selected Researchers and Groups

^ Metrics details

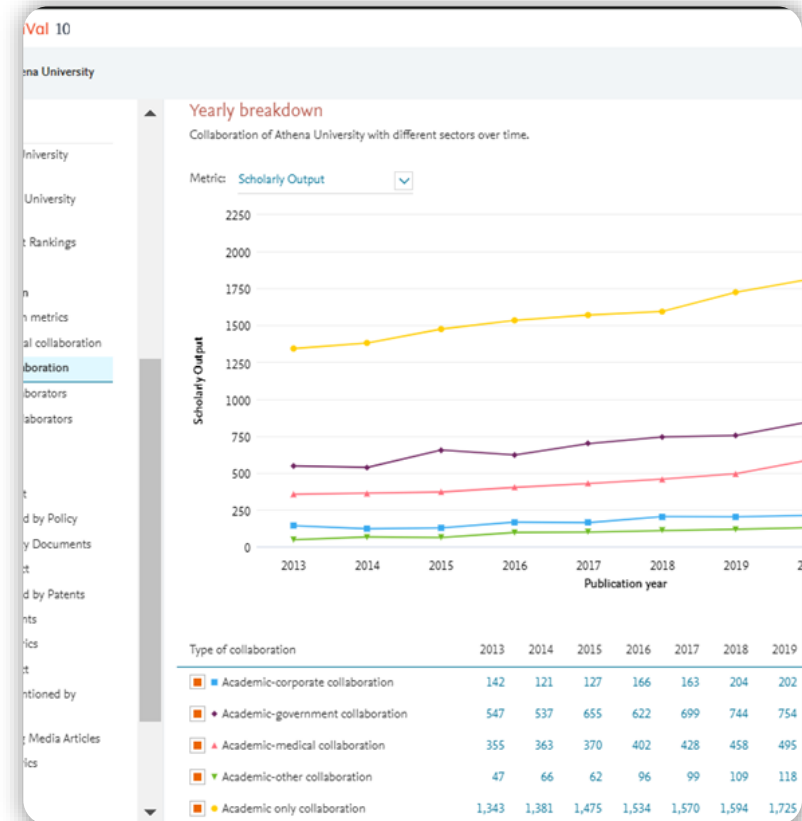
Metric 1: Citation Count ⚙️  
Types of publications included: all. Self-citations included: yes.

Metric 2: Scholarly Output ⚙️

# Sector collaboration

It is now possible to analyze and explore the output and impact of academic collaborations with authors across all sectors (corporate, medical, government, other sector, or academic only) on the sector collaboration page.

The chart and table provide a yearly breakdown of the different cross-sector collaborations, illustrating growth or decline over time, as well as providing a direct comparison of the Scholarly Output and selected metrics.

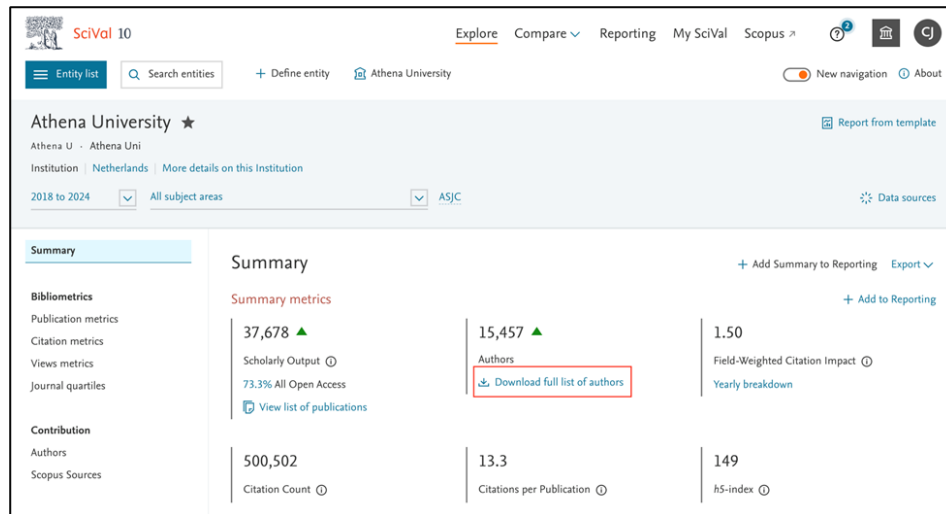


# List of authors

We've added an option to download a full list of authors for any institution in SciVal when you go to the Summary tab.

We've also made the option more obvious in the Authors, export option.

The spreadsheet not only contains a full list of the authors from the institution from the past 10 years, but also metrics such as the first and last publication years (so you get an idea on the Researcher's career stage and experience), along with the full h-index and other metrics.



The screenshot shows the SciVal 10 interface for Athena University. The 'Summary' tab is selected, and the 'Authors' section is highlighted. A red box highlights the 'Download full list of authors' button. The interface displays various metrics for Athena University, including 37,678 publications, 15,457 authors, and 500,502 authors.

Metric	Value
Publication metrics	37,678 ▲
Citation metrics	15,457 ▲
Views metrics	73.3% All Open Access
Journal quartiles	73.3% All Open Access
Contribution	500,502
Authors	13.3
Scopus Sources	149



# Getting help and SciVal Homepage

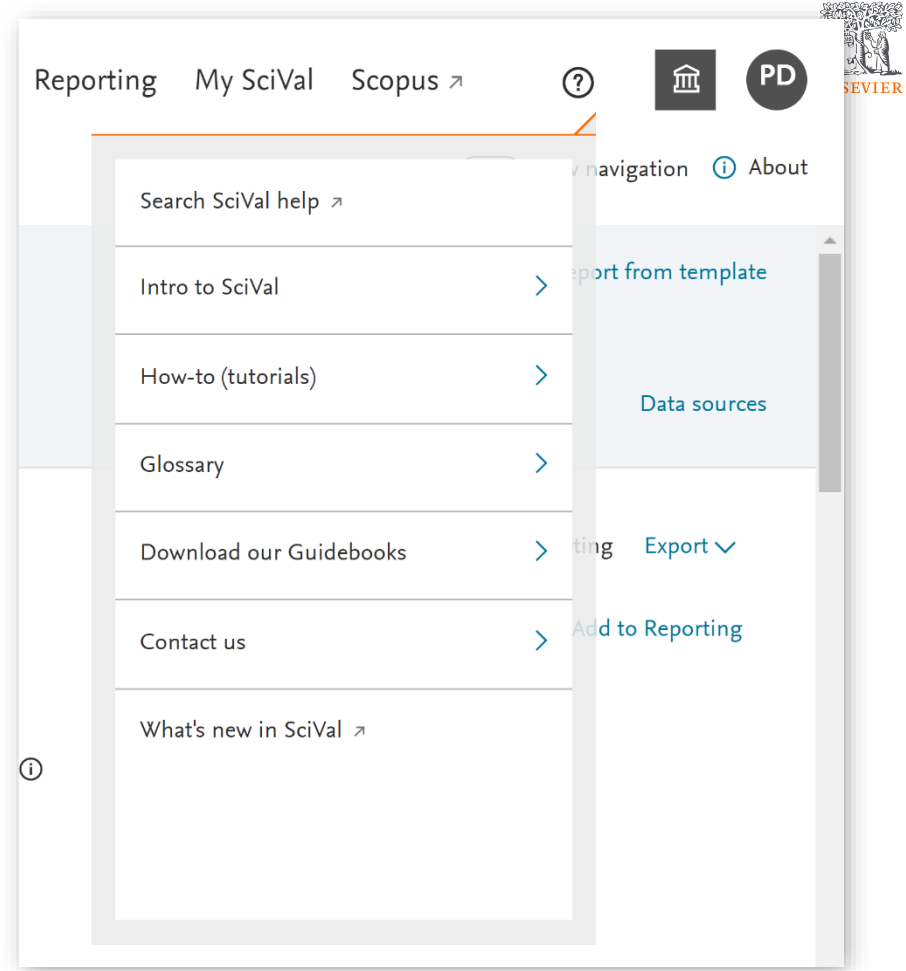
# Getting help

The spine menu will provide a line to help documentation

<https://service.elsevier.com/app/home/supporthub/scival/>

- Contact me if you have any problems and I will answer the question or find someone who can help you.

Dr. Win ([y.Klinthongchai@elsevier.com](mailto:y.Klinthongchai@elsevier.com))





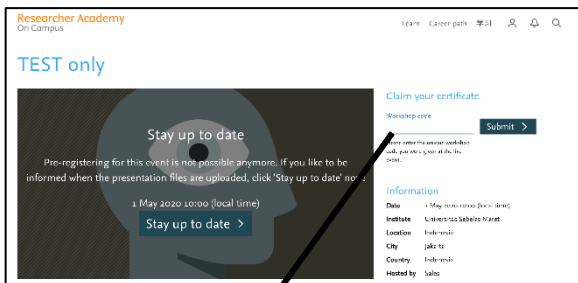
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# Q&A



# Post Event Survey and Claim your certificate!

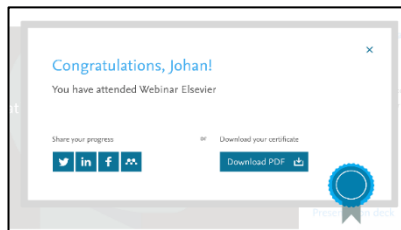
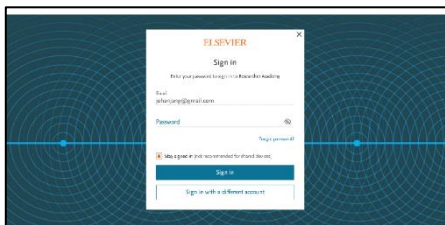
1. Use this link/QR code to claim your certificate:



<https://bit.ly/Thailand-1Scival2024>

2. Once you fill in the survey, use the following code to claim your certificate

**YPPYNX**



**SciVal Webinars for Thailand**

**Dr Yootapong Klinthongchai (Elsevier) Speaker**

**Lucia Schoombae, Senior Customer Success Consultant (SME), Elsevier**

**WEBINAR 1**  
**Topic:** Introduction to SciVal: Methodologies for Comprehensive Research Performance Analysis and Benchmarking  
 SciVal is a comprehensive tool designed to analyze research performance and to support strategic decision-making in academic and research institutions. To effectively utilize SciVal, it is crucial to understand the source of its data, the functionalities of its various modules, and how to navigate its features, including benchmarking capabilities.  
 DATE: 20<sup>th</sup> September 2024 • TIME: 1:00 PM - 3:00 PM (TH time) • DURATION: 1.5 hrs  
 • Dr Yootapong Klinthongchai (Dr. Work, Customer Success Manager, Elsevier) • LANGUAGE: Thai (th/th/ta/ur/ur/ur)

**WEBINAR 2**  
**Topic:** Comprehensive Overview of Metrics in SciVal  
 To effectively analyze and interpret research performance, it is essential to understand the various metrics available in SciVal. This section focuses on some of the most widely used indicators: Field-Weighted Citation Impact (FWCI), h-index, Top Cluster Percentiles, and Journal Quartiles.  
 DATE: 1<sup>st</sup> October 2024 • TIME: 1:00 PM - 3:30 PM (TH time) • DURATION: 1hr  
 • Dr Yootapong Klinthongchai (Dr. Work, Customer Success Manager, Elsevier) • LANGUAGE: Thai (th/th/th/ur/ur/ur)

**WEBINAR 3**  
**Topic:** Understanding the Interpretation of Topics and Subject Areas in SciVal for Research Analysis  
 Performance and how to use it to determine research speciality, expand collaboration as well as identify key journals which can help for your high quality of research.  
 DATE: 1<sup>st</sup> November 2024 • TIME: 1:00 PM - 3:30 PM (TH time) • DURATION: 1hr  
 • Dr Yootapong Klinthongchai (Dr. Work, Customer Success Manager, Elsevier) • LANGUAGE: Thai (th/th/th/ur/ur/ur)

**WEBINAR 4**  
**Topic:** Enhancing Your Research Report through Reporting and My SciVal  
 SciVal offers robust reporting capabilities to help institutions and researchers visualize and communicate research performance. This guide provides an overview of building custom reports, utilizing reporting templates, and managing alerts effectively within SciVal.  
 DATE: 1<sup>st</sup> November 2024 • TIME: 1:00 PM - 3:30 PM (TH time) • DURATION: 1hr  
 • Lucia Schoombae, Senior Customer Success Consultant (SME), Elsevier • English (th/th/th/ur/ur/ur)

**WEBINAR 5**  
**Topic:** SDG Alignment and University Ranking Analysis Using SciVal  
 Sustainable Development Goals (SDG) are crucial for driving research efforts with global sustainability targets. SciVal offers tools to analyze research contributions to SDGs, compare institutions, and understand rankings. This guide walks you through SDG contributions and capabilities, how to analyze and benchmark SDG-related research, and provides insights into the Rankings Tab.  
 DATE: 21<sup>st</sup> November 2024 • TIME: 1:00 PM - 3:30 PM (TH time) • DURATION: 1hr  
 • Lucia Schoombae, Senior Customer Success Consultant (SME), Elsevier • English (th/th/th/th/ur/ur/ur)

Note:  
 If you have not registered with Elsevier ID, you will be prompted to do so. Please do register yourself using institutional/personal email address.



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# Thank you

**Dr Yootapong Klinthongchai (Dr Win)**

Customer Success Manager

Elsevier South East Asia

[y.klinthongchai@elsevier.com](mailto:y.klinthongchai@elsevier.com)







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# Funding data (Awarded Grants)

- SciVal covers 20 funding bodies
- Data relates to Counts & Value of previous awarded grants
- From 2009 to present, updated weekly
- Assigned to institutions based on the PI
- Always USD
- Available for Institutions and Country

## Examples:

- Wellcome Trust (WT)
- National Institutes of Health (NIH)
- National Science Foundation (NSF)
- Horizon 2020 Framework Programme
- Australian Research Council (ARC)
- National Health and Medical Research Council (NHMRC)

Example: SU vs UCT Awarded Grants, 2017 to 2022

