



SciVal

Scopus



SciVal User Guide

This user guide provides the essential screen shots and tips to getting NUI Galway researchers started with SciVal. The SciVal tool is an Elsevier product which uses Scopus content from 1996 onwards. Scopus indexes over 50 million publications.

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1 SciVal

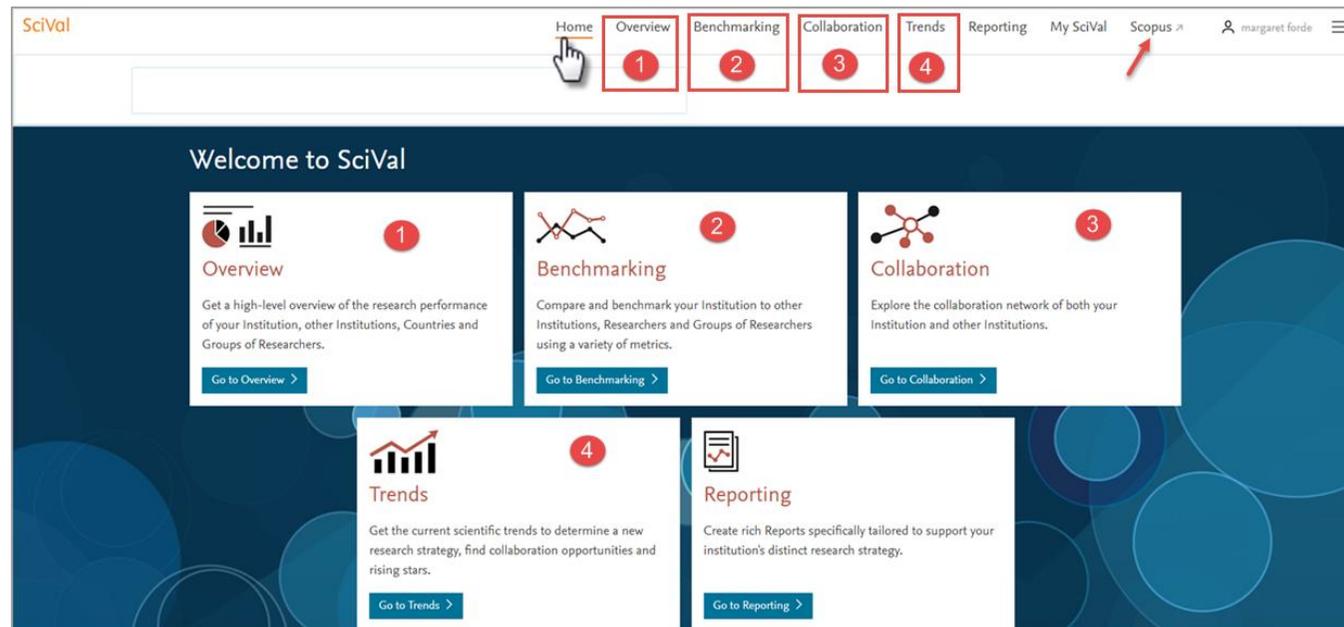
SciVal is a set of integrated modules that enables your institution to make evidence-based strategic decisions. SciVal consists of four modules:

1.1 SciVal Modules

From once you log into SciVal, you will be brought to the home page. This page outlines the four components/modules of the SciVal product:

1. Overview: Provides overview data for up to 9,000 institutions for time periods 2012-2016
2. Benchmarking: Enables you to benchmark multiple institutions for any time period, dating back to 1996.
3. Collaboration: Shows the collaborating institutions in addition to the individual authors and papers
4. Trends. Enables you to explore specific topics and investigate universities and authors publishing in that topic

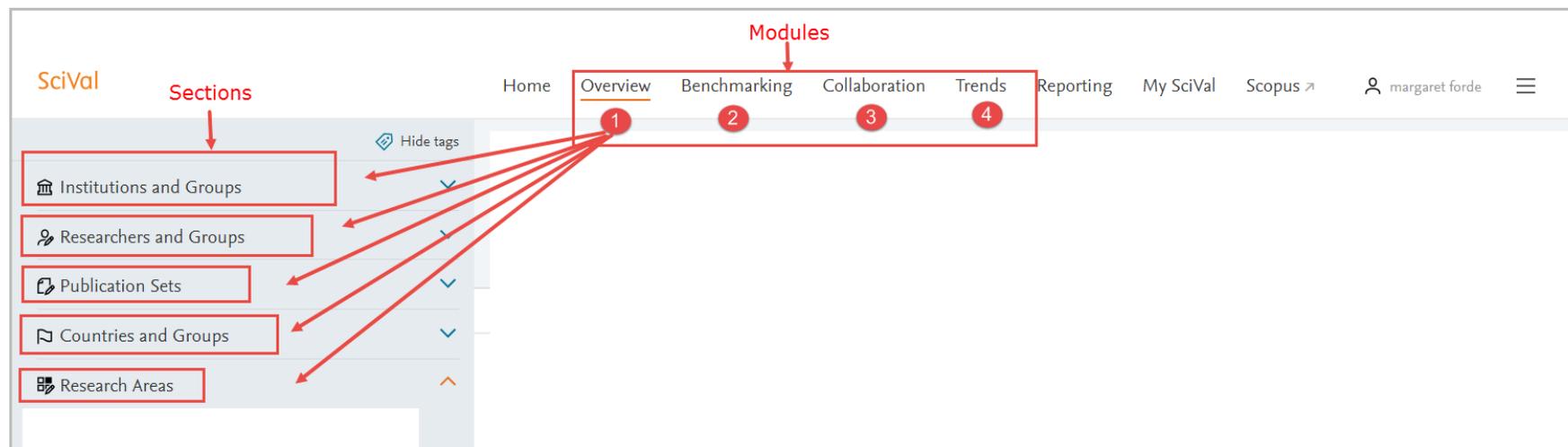
Each of these modules can be accessed from the tabs at the top of the toolbar. You can also connect the Scopus database by clicking on the Scopus link. The Home tab will bring you back to this page at any stage.



1.2 SciVal Sections

By clicking on any of the four tabs i.e. Overview, Benchmarking, Collaboration or Trends, you will be directed to the sections page. These sections enable you to limit the research to certain research samples:

Click on the Overview tab.



Example you can explore research in different sections such as the:

Institution section: You can choose your own institution such as NUI Galway or any other of the 9,000 institutions available within SciVal.

Researcher group section: you can group a number of researcher's together, e.g. all the researchers in a school can be put together such as all the researchers in the School of Law.

Publication set section: you can group a number of publications together for example all the publications from a certain group of researchers over a certain period of time, e.g. the publications by the researchers in the school of law in a period of time 2012-2016.

Country and groups section: you can investigate the research in a country or group a number of countries together

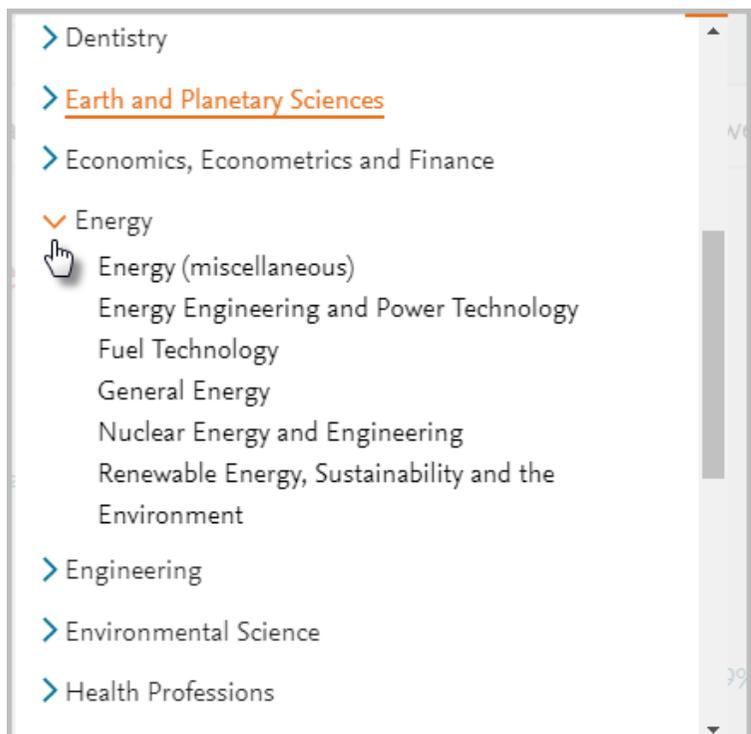
Research Areas section: You can investigate a certain topic either from a pre-defined set of subject areas or you can specify your own research area to explore.

1.3 Time Period and Subject Area

You can limit the research to certain time periods and subject areas by using the drop down menus. Note within the Overview module there are only limited time displays which can be selected within the Overview module as shown below. We will see more time period options as explore the other modules.

The screenshot displays the SciVal interface with the 'Overview' tab selected. On the left, a sidebar contains navigation options: 'Institutions and Groups', 'Researchers and Groups', 'Publication Sets', 'Countries and Groups', and 'Research Areas'. The main content area features two filter dropdown menus. The first menu, labeled '2012 to 2016', is open and shows a list of time periods: '2014 to 2016', '2014 to 2017', '2014 to >2017', '2012 to 2016', '2012 to 2017', and '2012 to >2017'. The second menu, labeled 'no subject area filter selected', is also open and shows a list of subject areas: 'Agricultural and Biological Sciences', 'Arts and Humanities', 'Biochemistry, Genetics and Molecular Biology', 'Business, Management and Accounting', 'Chemical Engineering', 'Chemistry', and 'Computer Science'. Both dropdown menus are highlighted with red boxes in the image.

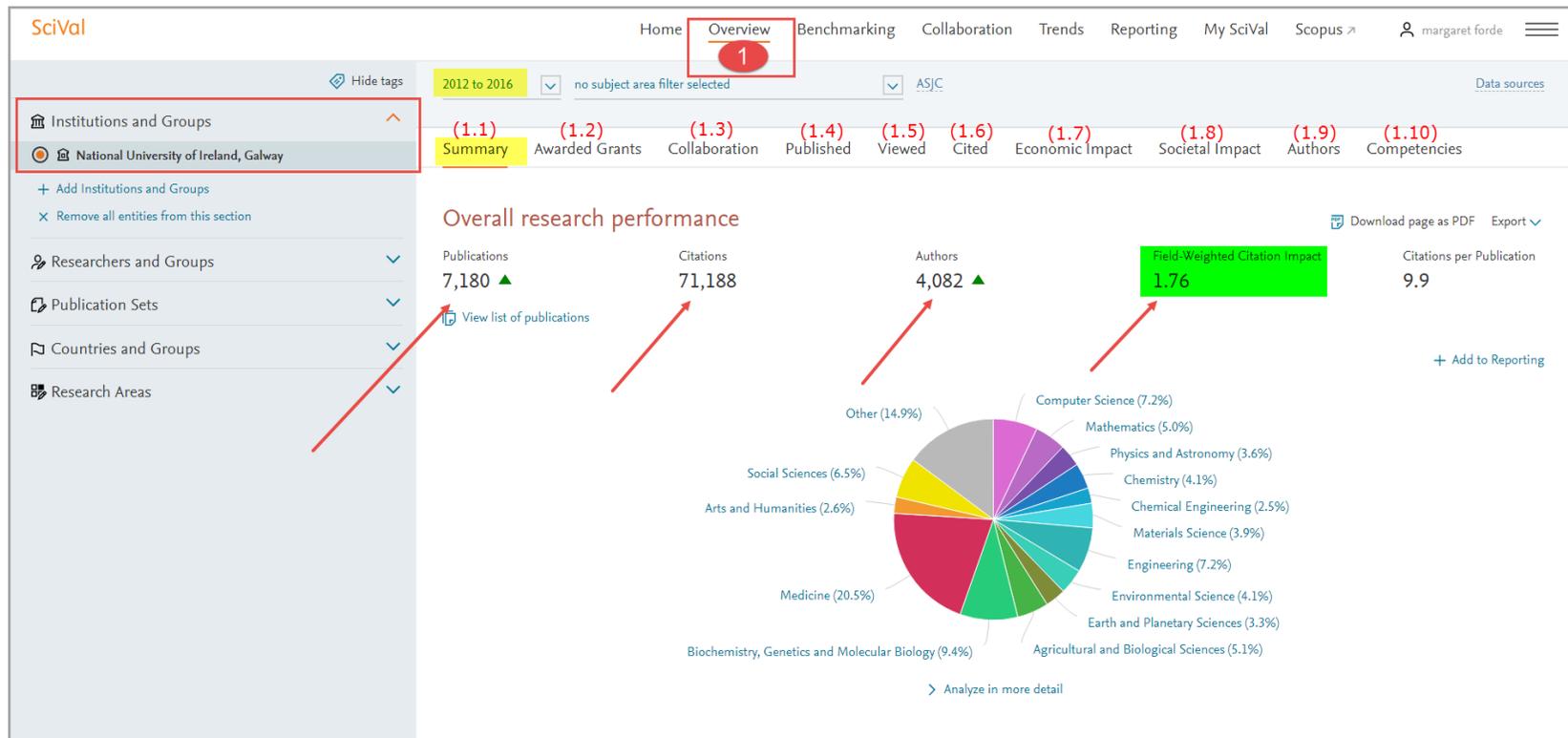
The broad subject areas can be further refined by clicking on the blue arrow and selecting a subject area of your choice.



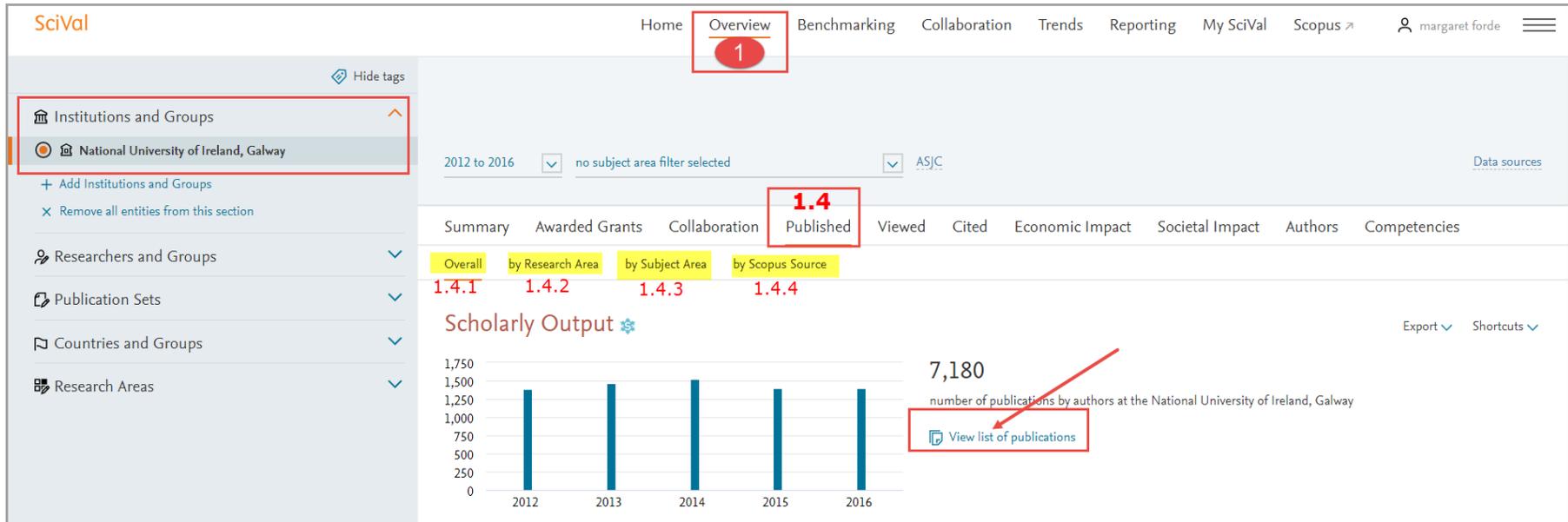
2 The Overview Module

1. Click on the Overview tab and select NUI Galway within the Institutions and Groups section.

Within this Overview module a number of tabs are displayed which you can explore as illustrated below, tabs, 1.1 to 1.10. The summary tab (1.1) displays the summary metrics for NUI Galway, showing the number of Publications, Citations and the number of Authors within the selected time period of 2012 to 2016. The summary metrics also display a relatively new metric known as the **Field-Weighted Citation Impact metric (FWCI)**, this metric is calculated as the ratio of citations received relative to the expected world average for the subject field, publication type and publication year. A FWCI of 1.00 indicates that the entity's publications are in line with the global average for that subject field, publication type and year whereas a FWCI of 2.0 indicated that the entity's publications are twice that of the global average.



2. Select the published tab (1,4) within the Overview module and you will observe there are a further 4 tabs within the published option.



3. Click on the view list of publications link.

- You can refine the list of publications by selecting on the various options on the left.
- The search can then be exported to Excel, by clicking on the Export link.

Publications at the National University of Ireland, Galway ✕

Year range: 2012 to 2016 Export ▾

▼ Authors 7,180 publications

All authors

O'Regan, D. 200

Kerin, M.J. 125

Pandit, A. 121

O'Donnell, M.J. 83

Henry J. Curran, H. 79

[Show more](#)

▼ Institutions

All institutions

National University of Ireland, Galway 7,180

University College Dublin 369

Trinity College Dublin 321

University College Cork 206

University of Limerick 174

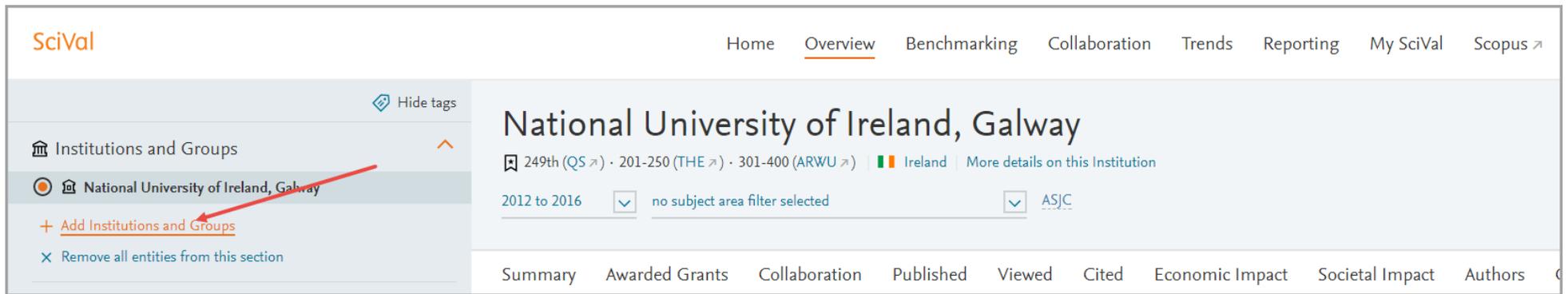
[Show more](#)

- [▶ Countries](#)
- [▶ Scopus Sources](#)
- [▶ Subject Areas](#)
- [▶ Publication years](#)
- [▶ Publication types](#)

	Title	Authors	Year	Scopus Source	Citations ↓
	Global and regional mortality from 235 causes of death for 20 age groups in 1990 and 2010: A systematic analysis for the Global Burden of Disease Study 2010 ▶ View abstract ↗ View in Scopus	Lozano, R., Naghavi, M., Foreman, K. and 186 more	2012	The Lancet	4,057
	Disability-adjusted life years (DALYs) for 291 diseases and injuries in 21 regions, 1990-2010: A systematic analysis for the Global Burden of Disease Study 2010 ▶ View abstract ↗ View in Scopus	Murray, C.J.L., Vos, T., Lozano, R. and 356 more	2012	The Lancet	2,784
	Years lived with disability (YLDs) for 1160 sequelae of 289 diseases and injuries 1990-2010: A systematic analysis for the Global Burden of Disease Study 2010 ▶ View abstract ↗ View in Scopus	Vos, T., Flaxman, A.D., Naghavi, M. and 358 more	2012	The Lancet	2,032
	Biological insights from 108 schizophrenia-associated genetic loci ▶ View abstract ↗ View in Scopus	Ripke, S., Neale, B.M., Corvin, A. and 297 more	2014	Nature	1,342
	Global, regional, and national age-sex specific all-cause and cause-specific mortality for 240 causes of death, 1990-2013: A systematic analysis for the Global Burden of Disease Study 2013 ▶ View abstract ↗ View in Scopus	Naghavi, M., Wang, H., Lozano, R. and 714 more	2015	The Lancet	1,250
	Global and regional burden of stroke during 1990-2010: Findings from the Global Burden of Disease Study 2010 ▶ View abstract ↗ View in Scopus	Feigin, V.L., Forouzanfar, M.H., Krishnamurthi, R. and 16 more	2014	The Lancet	709

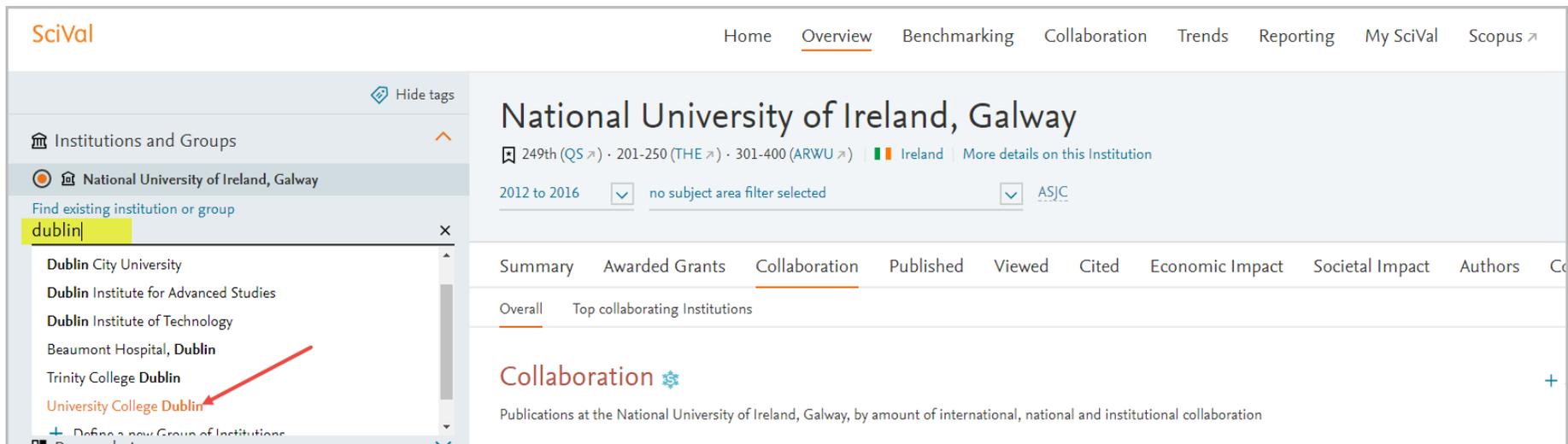
2.1 Adding a different Institution

1. Click on the Add Institution link



The screenshot shows the SciVal interface for the National University of Ireland, Galway. The left sidebar contains a list of institutions, with a red arrow pointing to the '+ Add Institutions and Groups' link. The main content area displays the institution's name, ranking (249th QS), and various filters (2012 to 2016, no subject area filter selected). The top navigation bar includes Home, Overview, Benchmarking, Collaboration, Trends, Reporting, My SciVal, and Scopus.

2. Enter a key word such as "Dublin " in the example below



The screenshot shows the SciVal interface for the National University of Ireland, Galway. A search dropdown is open, showing a list of institutions starting with 'dublin'. A red arrow points to 'University College Dublin' in the search results. The main content area displays the institution's name, ranking (249th QS), and various filters (2012 to 2016, no subject area filter selected). The top navigation bar includes Home, Overview, Benchmarking, Collaboration, Trends, Reporting, My SciVal, and Scopus.

3. Select the particular university such as University College Dublin.

4. The summary details will then be displayed for this university. You can explore the other tabs also for this university.

The screenshot displays the SciVal 'Overview' page for University College Dublin. The 'Overview' tab is highlighted in the top navigation bar. The main content area shows the 'Summary' tab selected, with a navigation bar containing the following metrics: 1.1 Summary, 1.2 Awarded Grants, 1.3 Collaboration, 1.4 Published, 1.5 Viewed, 1.6 Cited, 1.7 Economic Impact, 1.8 Societal Impact, 1.9 Authors, and 1.10 Competencies. Below this, the 'Overall research performance' section is displayed with the following data:

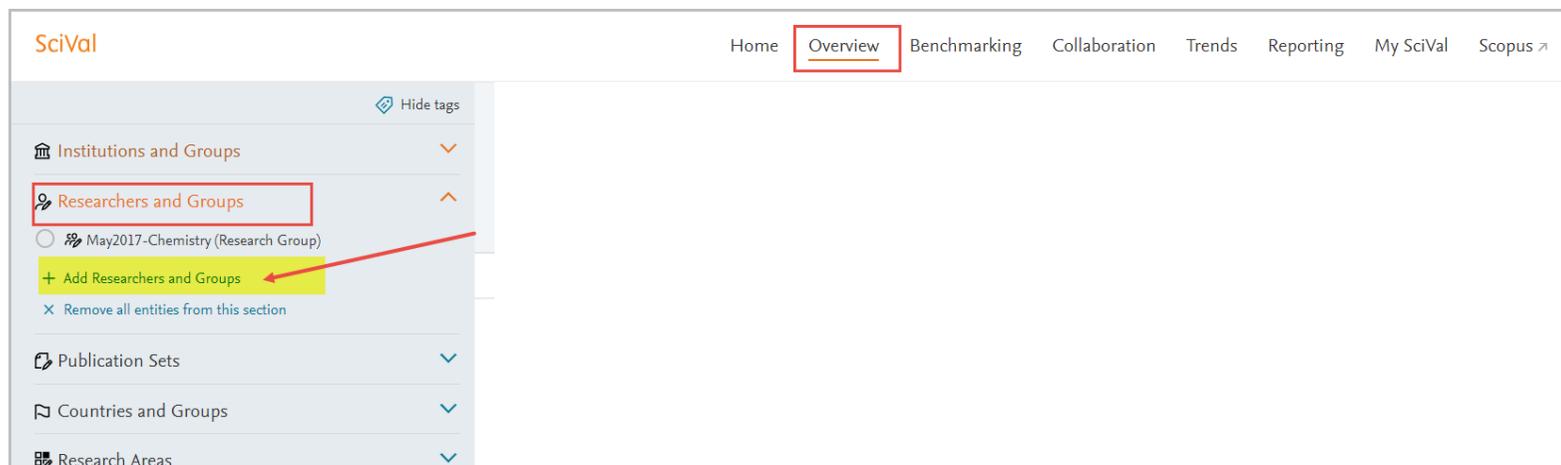
Publications	Citations	Authors	Field-Weighted Citation Impact	Citations per Publication
9,350 ▲	55,944	6,129 ▲	1.71	6.0

Additional options include 'View list of publications', 'Download page as PDF', 'Export', and '+ Add to Reporting'.

2.2 Adding an Individual Researcher

You can also investigate research at an individual researcher level.

1. Click on the Researchers and Groups section
2. Click on the Add Researchers and Groups option



3. Click on the Define a new researcher option



4. Enter in the details of a researcher similar to the example below and click on the Search button.

Define a new Researcher

1. Search 2. Select 3. Validate publications (optional) 4. Save Researcher

i The Researcher you want to add may be known in Scopus by more than one author name variant. Search below for Scopus author name variants of the Researcher you want to add.

Last name First name

Affiliation

[+ Add another field](#) [Search >](#)

5. Select the researcher by clicking on the checkbox and click on the “Directly go to Save Researcher option.

Define a new Researcher

1. Search 2. Select 3. Validate publications (optional) 4. Save Researcher

Select author name variant(s) that refer to the Researcher

<input type="checkbox"/>	Author	Publications ↓	Subject Area	Affiliation
<input checked="" type="checkbox"/>	Henry J. Curran, Henry Curran, Henry J. Curran, H. Curran, Henry Curran, Henry C. Curran, H. J. Curran	214	Energy, Engineering, Materials Science, Chemistry, Biochemistry, Genetics and Molecular Biology, Earth and Planetary Sciences, Chemical Engineering, Physics and Astronomy, Environmental Science	National University of Ireland Galway
<input type="checkbox"/>	Curran, Wayne Metcalfe Henry J	1	Engineering	National University of Ireland Galway

[Show recent publications](#) [Show recent publications](#)

[Directly go to Save Researcher >](#)

6. Click on the Save and Finish option

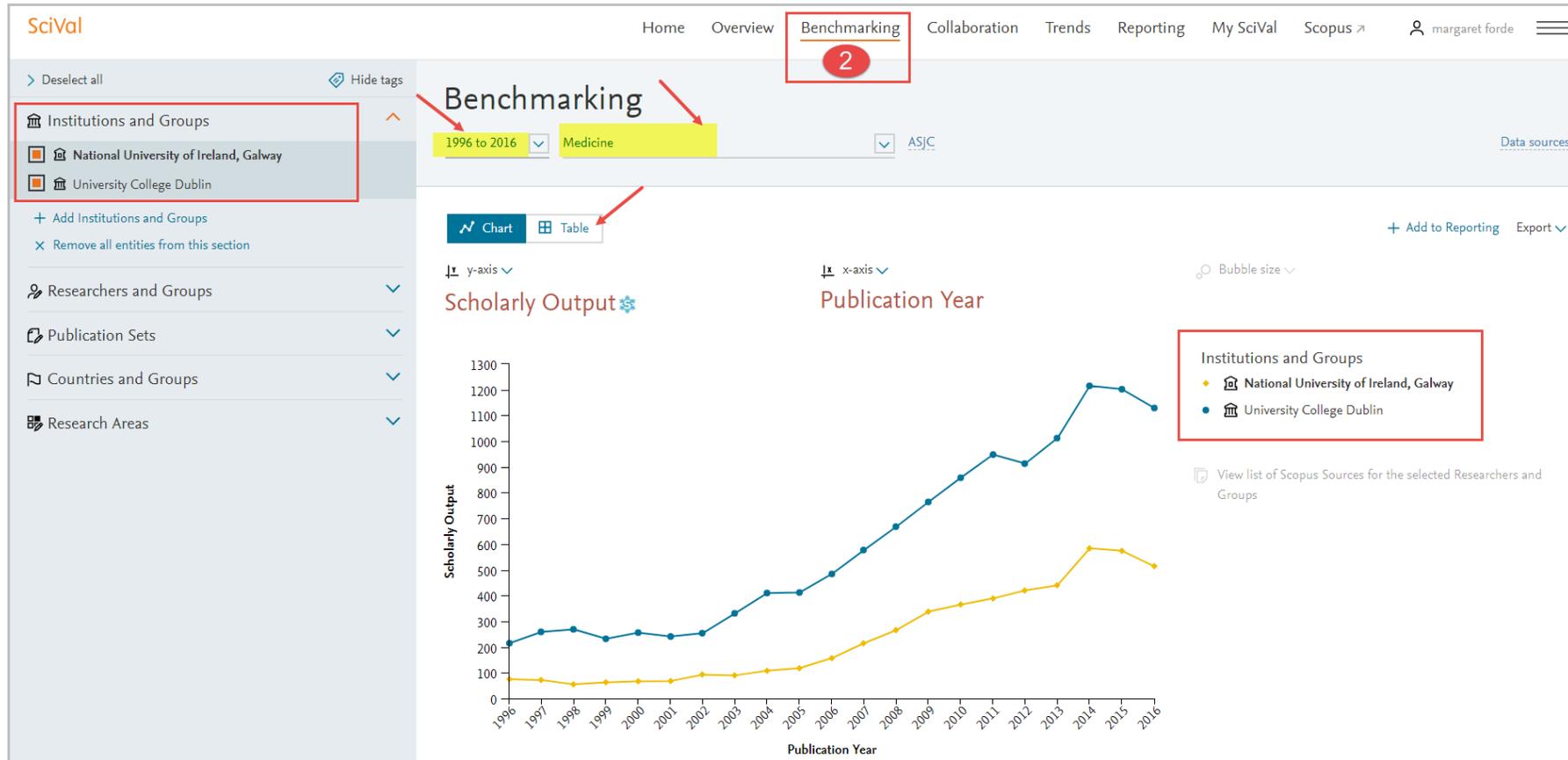
- The individual researcher should not appear within the Researchers and Groups section.
- Select the particular researcher name and click on the Overview module to see the summary metrics for this researcher.

The screenshot displays the SciVal interface for a researcher's overview. The top navigation bar includes links for Home, Overview, Benchmarking, Collaboration, Trends, Reporting, My SciVal, and Scopus. The left sidebar shows a navigation menu with 'Institutions and Groups', 'Researchers and Groups', and 'May2017-Chemistry (Research Group)'. The 'Researchers and Groups' section is expanded, and 'Henry J. Curran, Henry' is selected. The main content area shows the researcher's name, affiliation (National University of Ireland, Galway), and a filter for '2014 to 2016'. The 'Summary' tab is selected, and the 'Overall research performance' section is visible.

3 The Benchmarking Module

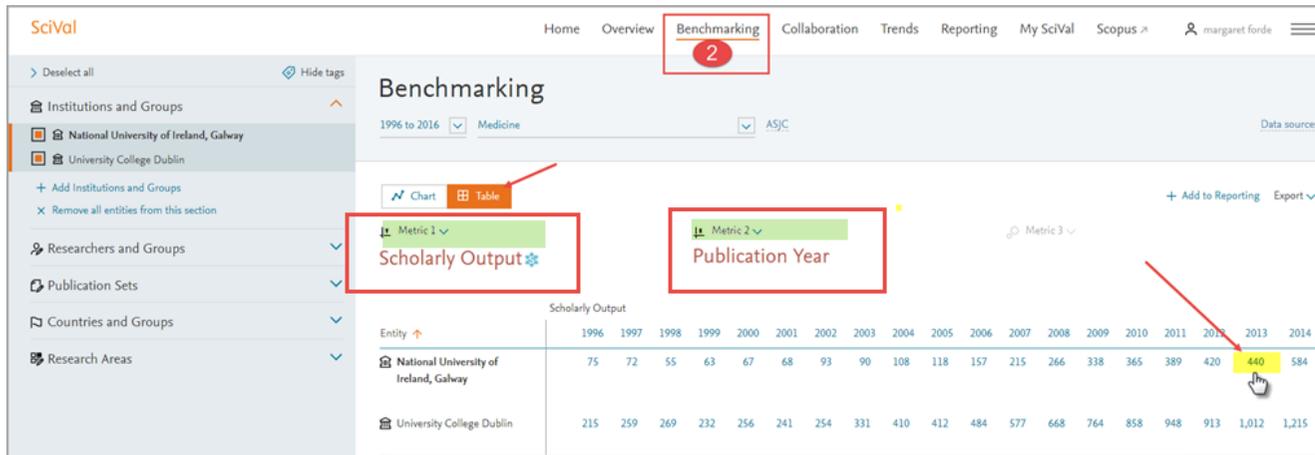
The Benchmarking lets you compare a number of institutions at the same time. You can also benchmark a particular subject area across the different institutions.

1. Click on the Benchmarking tab
2. Ensure the relevant universities are selected in the sections panel on the left, you can add more universities also.

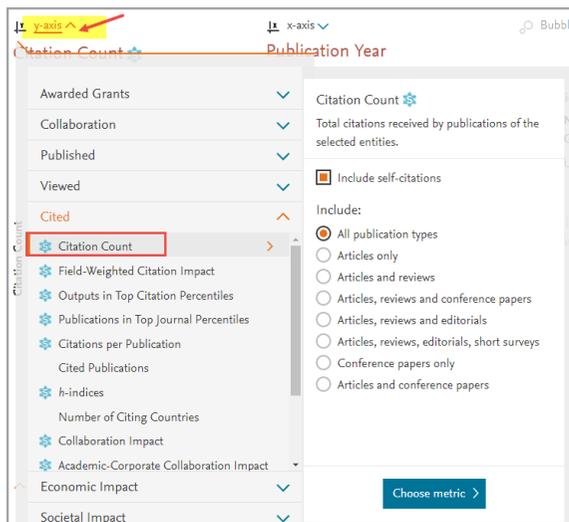


3. Notice, the time period in the Benchmarking Module enables you to select any time period dating back to 1996.
4. You can further refine the search by selecting a particular subject area.

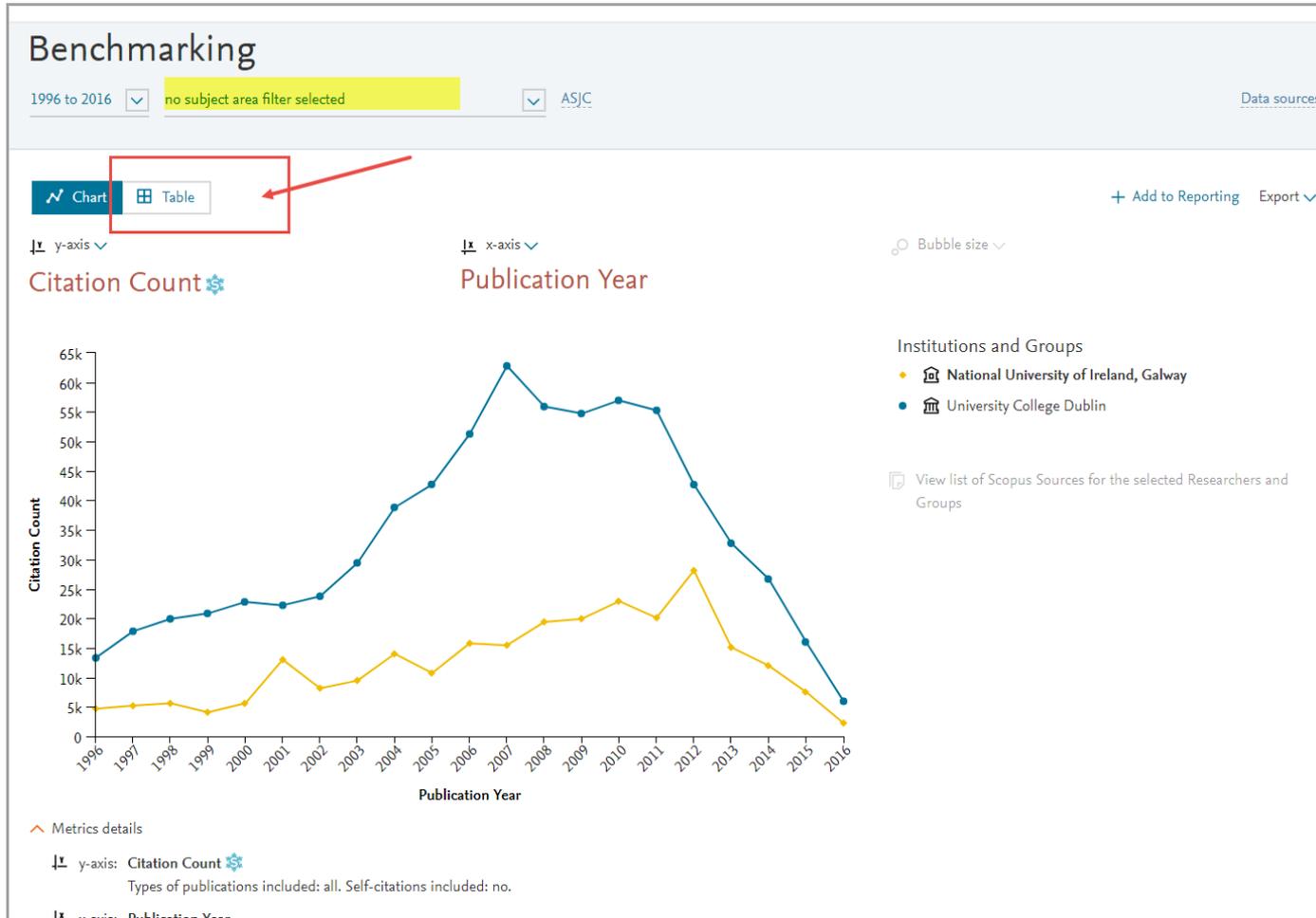
- Clicking on the “Table tab” to display the graph in a table format. The scholarly output values are now displayed for all the universities which you have benchmarked. By clicking on the actual values you can then see the list of publications for this particular year.



- Drop down the Y axis to display the other metrics which can be used. Select the Citation Count metric, you can remove the self-citations for this metric by unclicking the check box. Select the “Choose Metric” button.



7. The data is displayed in graph layout which you can switch to Table format to view the actual values for the bench marked institutions chosen.



4 The Collaboration Module

The Collaboration module enables you to explore collaborating institutions around the world and also within in specific subject areas.

1. Select the Collaboration tab. Ensure you have selected NUI Galway in the institutions section in the panel on the left.
2. You can limit the search to a subject area by clicking on the drop down menu, and also specify certain time periods from the drop down menu.
3. To narrow down the list of collaborating institutions, you can specify a certain region from the drop down menus and countries.

The screenshot shows the SciVal interface for the 'Collaboration' module. The top navigation bar includes 'Home', 'Overview', 'Benchmarking', 'Collaboration' (highlighted with a red box and a red circle containing the number 3), 'Trends', 'Reporting', 'My SciVal', 'Scopus', and a user profile for 'margaret forde'. The main content area is titled 'Collaboration by the National University of Ireland, Galway' and includes filters for 'Ireland', '2014 to 2016', and 'no subject area filter selected'. Below this, there are tabs for 'Current collaboration' and 'Potential collaboration'. The main heading is 'Institutions collaborating with the National University of Ireland, Galway', with filters for 'Europe', 'All countries', and 'All sectors'. It displays '1,100 collaborating institutions' and '2,072 co-authored publications'. At the bottom, there are 'Map' and 'Table' buttons, with a red arrow pointing to the 'Table' button. A map of Europe is shown below, with various countries highlighted and numbered to indicate collaborating institutions.

4. The map will be displayed highlighted the countries where collaborating institutions with NUI Galway are located.

- You can change the display of the map to a table format by clicking on the tables tab.
- The table lists the collaborating institutions with the number of co-authored papers, you click on this hyperlink to see the actual papers.
- Select a University from the list e.g. Harvard University as shown below.

SciVal Home Overview Benchmarking **Collaboration** Trends Reporting My SciVal Scopus [margaret forde](#)

Hide tags

Collaboration by the National University of Ireland, Galway

Ireland [More details on this Institution](#)

2014 to 2016 no subject area filter selected ASJC [Data sources](#)

Current collaboration Potential collaboration

Institutions collaborating with the National University of Ireland, Galway

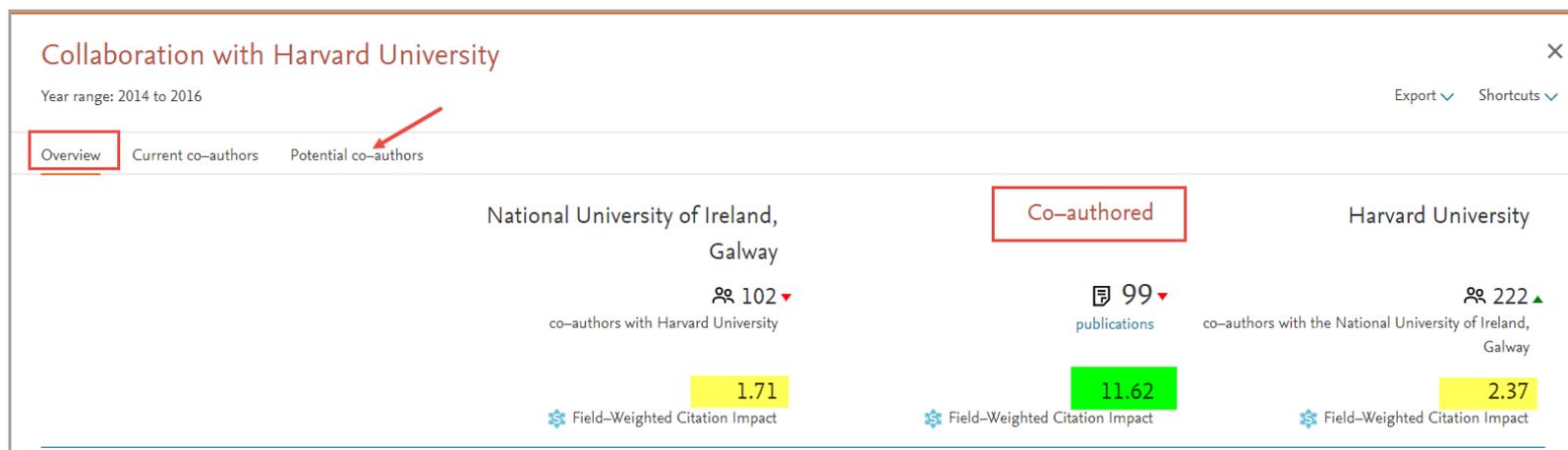
Worldwide All sectors ← Filter for more (regional) detail or [filter by field](#)

2,232 collaborating institutions 2,785 co-authored publications

Map **Table** Export Shortcuts Find institution

Institution	Co-authored publications ↓	Co-authors at the National University of Ireland, Galway	Co-authors at the other institution	Field-Weigh... ↓	Field-Weigh... ↓
Trinity College Dublin	217 ▲	284 ▲	325 ▲	3.91	3.04
University College Dublin	214 ▼	291 ▲	296 ▼	2.78	3.00
University College Cork	136 ▼	180 ▲	227 ▲	4.99	3.36
University of Limerick	116 ▼	144 ▲	118 ▼	1.54	1.92
Harvard University	99 ▼	102 ▼	222 ▲	11.62	9.90
Royal College of Surgeons in Ireland	97 ▲	146 ▲	118 ▲	7.05	5.20
Mid-Western Regional Hospital Limerick	91 ▼	113 ▲	183 ▲	0.88	1.28

8. This will display an overview of both institutions. You can explore further by clicking on the Current to-authors and Potential co-authors tabs, but let's focus on this overview table shown below.



9. **The Field Weighted Citation Impact (FWCI)** is displayed at an Institutional level for both NUI Galway and Harvard, displaying 1.71 and 2.37 respectively. The FWCI in SciVal indicates how the number of citations received by an entity's publications compares with the average number of citations received by all other similar publications in the data universe. A Field-Weighted Citation Impact of 1.00 indicates that the entity's publications have been cited exactly as would be expected based on the global average for similar publications; this metric is calculated as the ratio of citations received relative to the expected world average for the subject field, publication type and publication year. The FWCI for NUI Galway is shown to be 1.71, indicating that NUI Galway yielded 71% more than the expected number of citations. The FWCI for Harvard is shown to be 2.37, indicating that Harvard University yielded 137% more than the expected number of citations. For the publications that have been collaborated between NUI Galway and Harvard, the FWCI is 11.62, this implies that these publications yielded 1000.62% more than the expected number of citations. Note the impact is considerably higher on a collaborated level indicating the importance of collaboration with other universities.

5 The Trends Module

The Trends Module enables you to explore your specific research area in more detail across other institutions.

Click on the Trends tab.

1. You can select a pre-defined subject area provided by Scival

OR

2. Define a new research area
Click on the Define a new Research Area link



The screenshot displays the SciVal Trends module for the National University of Ireland, Galway. The interface includes a top navigation bar with tabs for Home, Overview, Benchmarking, Collaboration, Trends (highlighted with a red box and the number 4), Reporting, My SciVal, and Scopus. A left sidebar contains a 'Hide tags' button and several expandable categories: Institutions and Groups, Researchers and Groups, Publication Sets, Countries and Groups, and Research Areas. The Research Areas section is expanded, showing a search bar for 'Find existing research area' and two options: 'Define a new Research Area' (highlighted with a green box and the number 2) and 'Add a Research Area provided by SciVal' (highlighted with a yellow box and the number 1). The main content area shows the institution's name, ranking (249th QS, 201-250 THE, 301-400 ARWU), and location (Ireland). It includes filters for the period (2014 to 2016) and subject area (no subject area filter selected, ASJC). Below the filters are tabs for Summary, Awarded Grants, Collaboration, Published, Viewed, Cited, Economic Impact, Societal Impact, Authors, and Cor. The 'Overall research performance' section displays a table of metrics: Publications (4,325), Citations (24,241), Authors (3,086), and Field-Weighted Citation Impact (1.71). A 'View list of publications' link is also present.

3. Enter your particular research topic which you wish to explore. In this example Sleep Paralysis has been entered.

Define a new Research Area

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

Use search terms Use entities Use competencies

Define a new Research Area based on one or more search terms

Enter search terms

sleep paralysis

Type important terms (e.g. solar flare) or an exact word or phrase (e.g. "solar flare") > More tips

+ Add another field

4. Select the particular subject areas which appear to have captured this topic. You can limit the publications to the most recent 5 years if you want to see more recent trends.

5. From once you have relevant subject areas selected click on the “Limit to” option and click on the next step button.

Define a new Research Area View quick guide

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

Refine your definition by applying one or more filters

Definition of your Research Area: **sleep paralysis**

Journal Categories > Total matching publications (2012-present) **242** Currently applied filters: No filters applied yet

Journal Categories	Name	Publications
Institutions	<input checked="" type="checkbox"/> Medicine	200
	<input checked="" type="checkbox"/> Neuroscience	75
	<input checked="" type="checkbox"/> Psychology	23
Organization types	<input type="checkbox"/> Biochemistry, Genetics and Molecular Biology	14
	<input type="checkbox"/> Arts and Humanities	12
	<input type="checkbox"/> Pharmacology, Toxicology and Pharmaceutics	9
	<input type="checkbox"/> Social Sciences	9
	<input type="checkbox"/> Agricultural and Biological Sciences	3
	<input type="checkbox"/> Computer Science	3
	<input type="checkbox"/> Dentistry	3
	<input type="checkbox"/> Engineering	3
	<input type="checkbox"/> Chemical Engineering	1
	<input type="checkbox"/> Environmental Science	1
	<input type="checkbox"/> Health Professions	1
	<input type="checkbox"/> Immunology and Microbiology	1
	<input type="checkbox"/> Multidisciplinary	1
	<input type="checkbox"/> Nursing	1

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

< Previous step Next step >

6. You will be prompted then to save the topic, enter in the hot topic name for your research area and click on the save and finish button.

Define a new Research Area

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

Save your Research Area as

Sleep Paralysis My Research Area - 4 August 2017 32 of 300

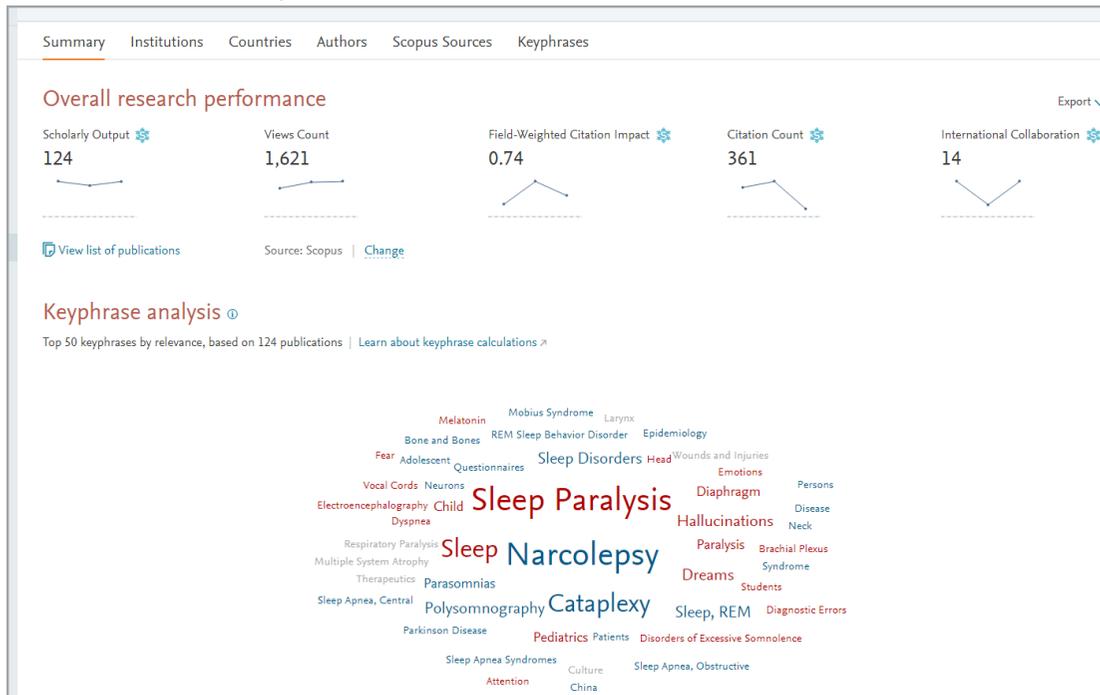
Add tags (optional)

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

View Research Area Summary

Save and Finish Save and define another Research Area

7. You can now explore this specific research area that you have created. You can click on the key words to find related articles.



8. You can investigate the countries, institutions and authors who are working in this research.

