



SciVal & Pure

**Analytics and Information Management
for the Research Community**

Dr. Matt Walker

10th September 2018



SCIENCE IN PARTNERSHIP

The UK Population Biology Network and RSPB Lake Vyrnwy Platform



UK Population Biology Network



NATURAL
ENVIRONMENT
RESEARCH COUNCIL



Agenda

1. Challenges: evaluating and managing research
2. The UK research landscape – How are we using SciVal?
3. Managing research with an eye on international visibility: Pure UK cases
4. Summary and additional information
5. Questions?



1. Challenges: evaluating & managing research



Information growth: a challenge and an opportunity

2013 – 2018

Source: SciVal / Scopus

| | Publications | Citations | Authors |
|---------------|--------------|-----------|---------|
| Global | 16.0M+ | 79.6M+ | 15.1M+ |
| Latin America | 745.7K+ | 3.2M+ | 919.6K+ |
| Mexico | 122.3K+ | 558.1K+ | 139.9K+ |



Are we able to read/analyze this information without technology?

Key goals of researchers and their institutions

The volume of research and the related information is constantly increasing. Researchers and their institutions need to:



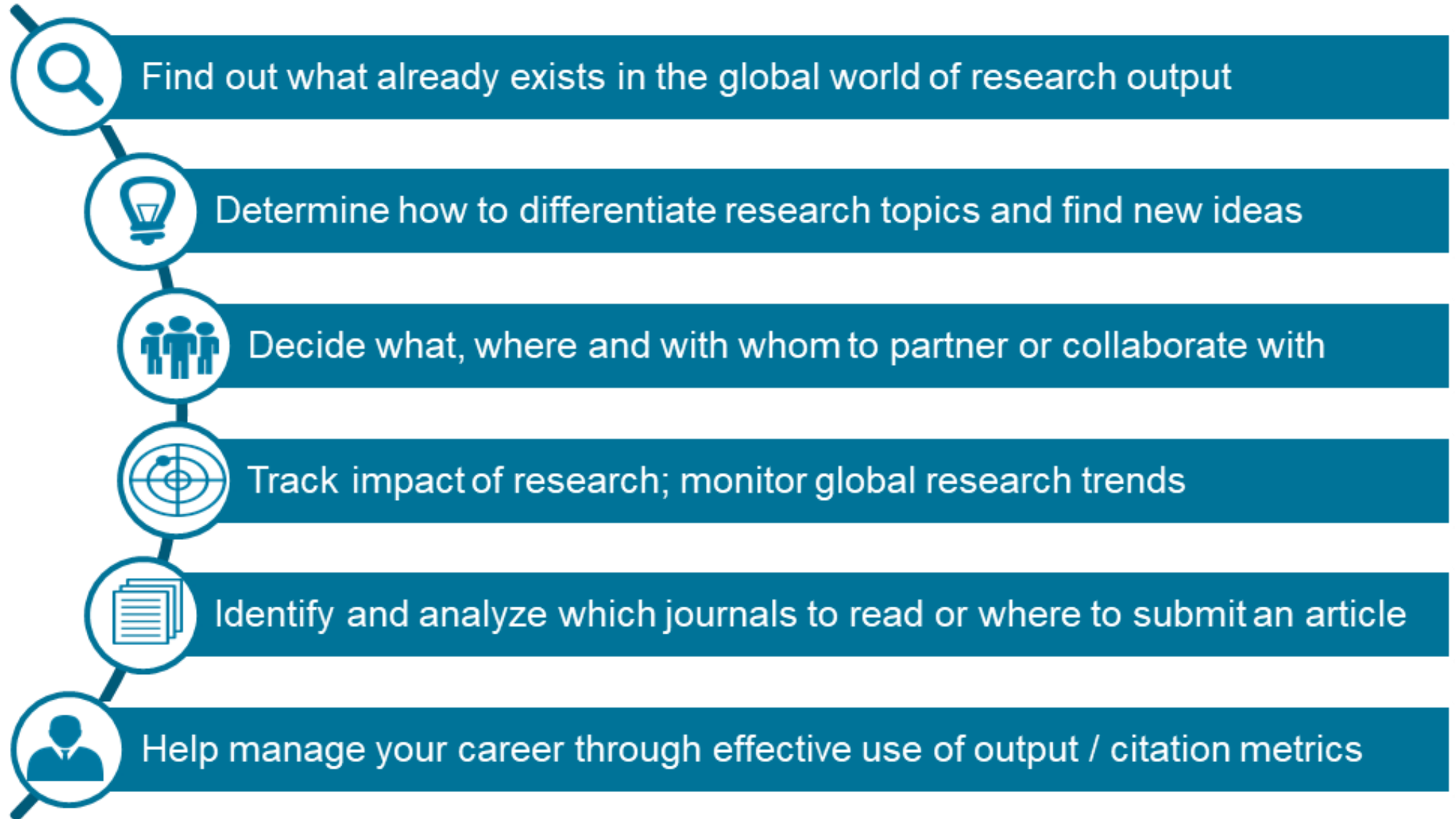
Win ever more competitive funding awards



Identify the right research collaboration partners to remain competitive for both funding grants and when producing high impact research



Report and promote research success and expertise



Organizations also need to report research success & promote expertise

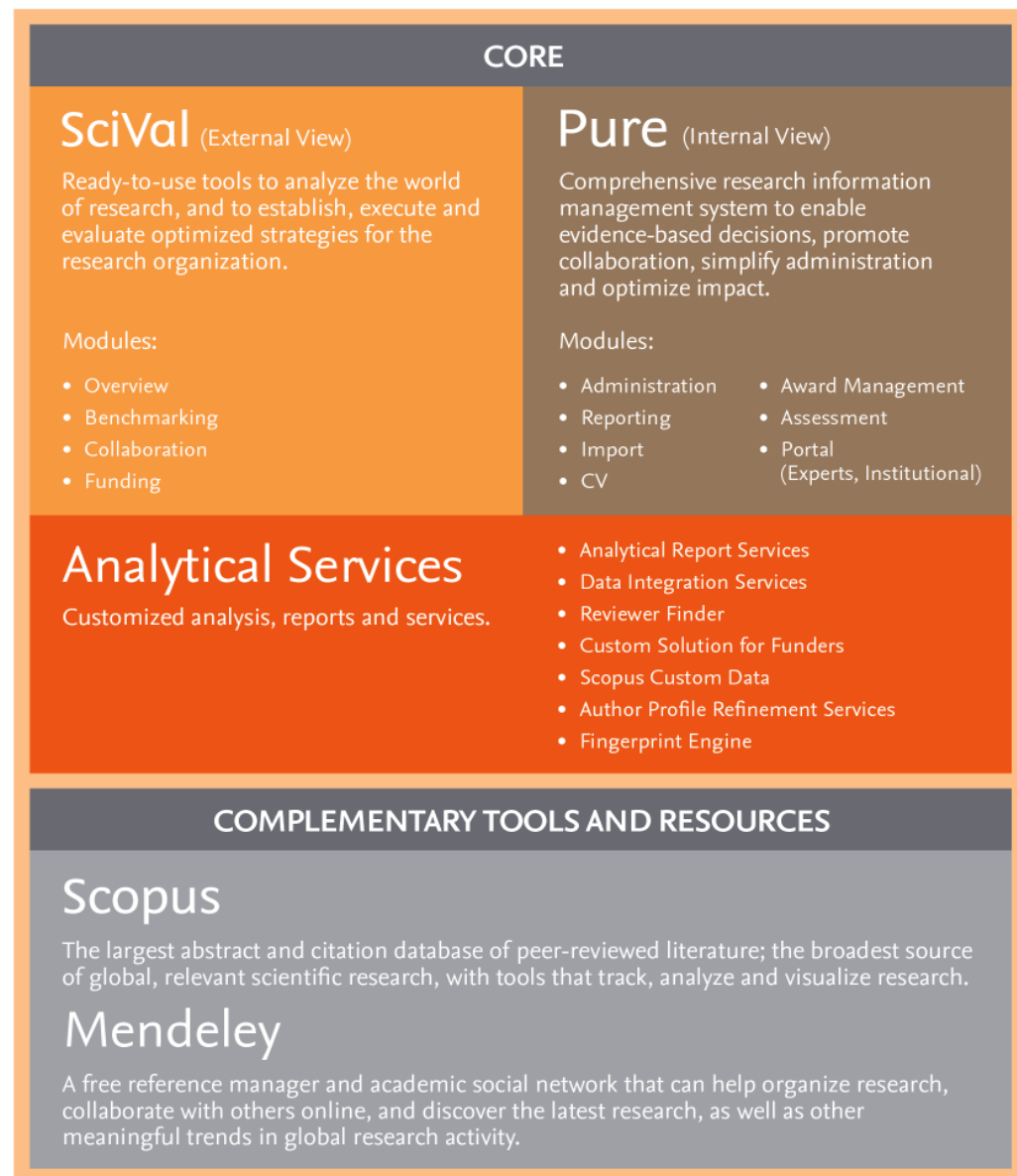


Internal and external assessment exercises require **comprehensive, trusted, validated data** about your researchers, necessary for strategic, evidence based decisions



Creating, populating and maintaining such a centrally managed system can be **costly and time consuming when done in-house**

What we offer



What we support



Who we support

- **Research Institutions**
- **Funders**
- **Policy makers**
 - Provosts
 - Vice Chancellors Research
 - Research Administrators/ Development Professionals
 - Researchers
 - Research Managers
 - Department Heads
 - Librarians
 - Students
 - Communications Professionals
 - Technology Transfer Officers
 - Grant Managers
 - Legislators
 - Economic Development Officers

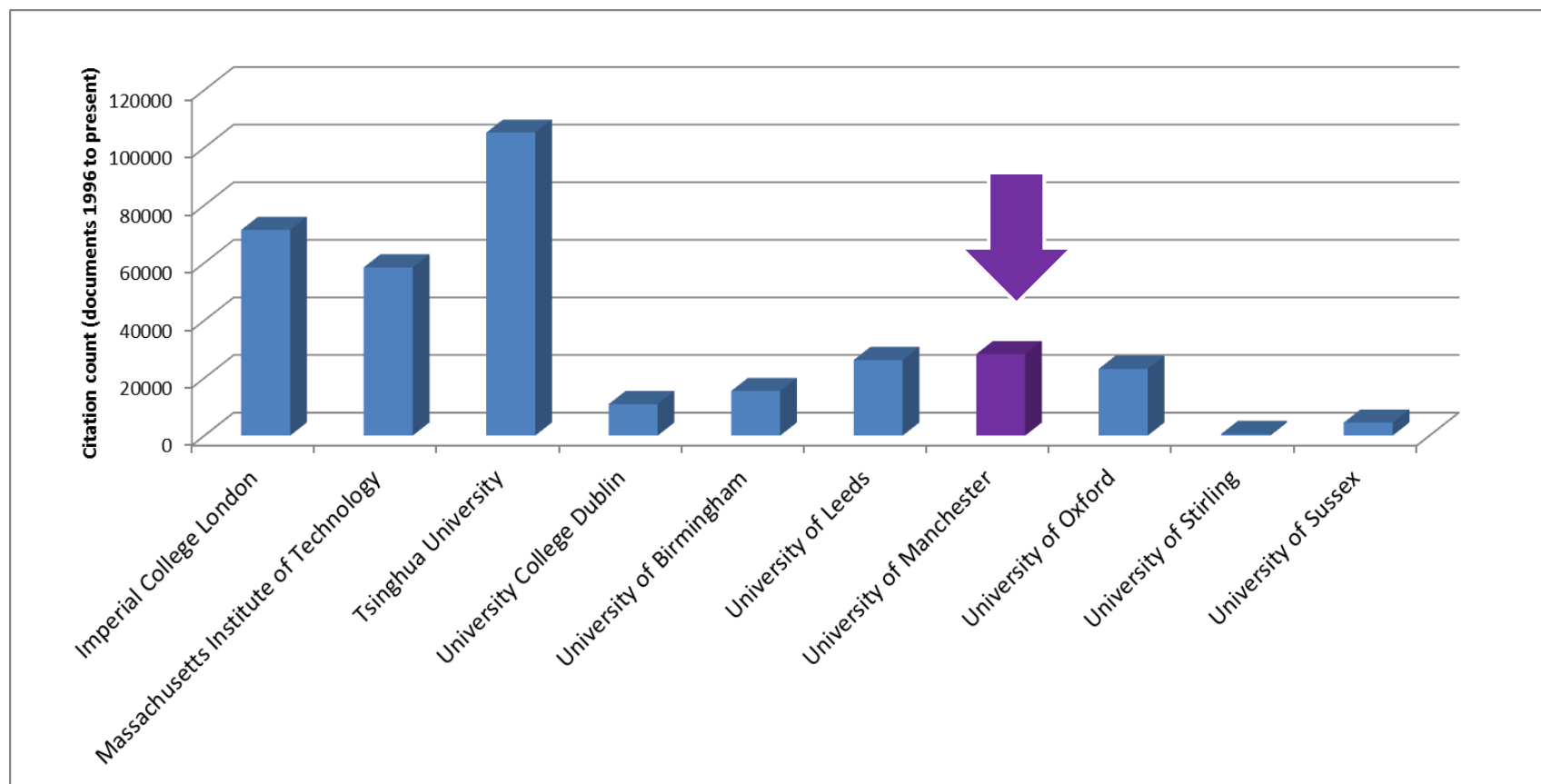


2. The UK research landscape – analytics: How are we using SciVal?



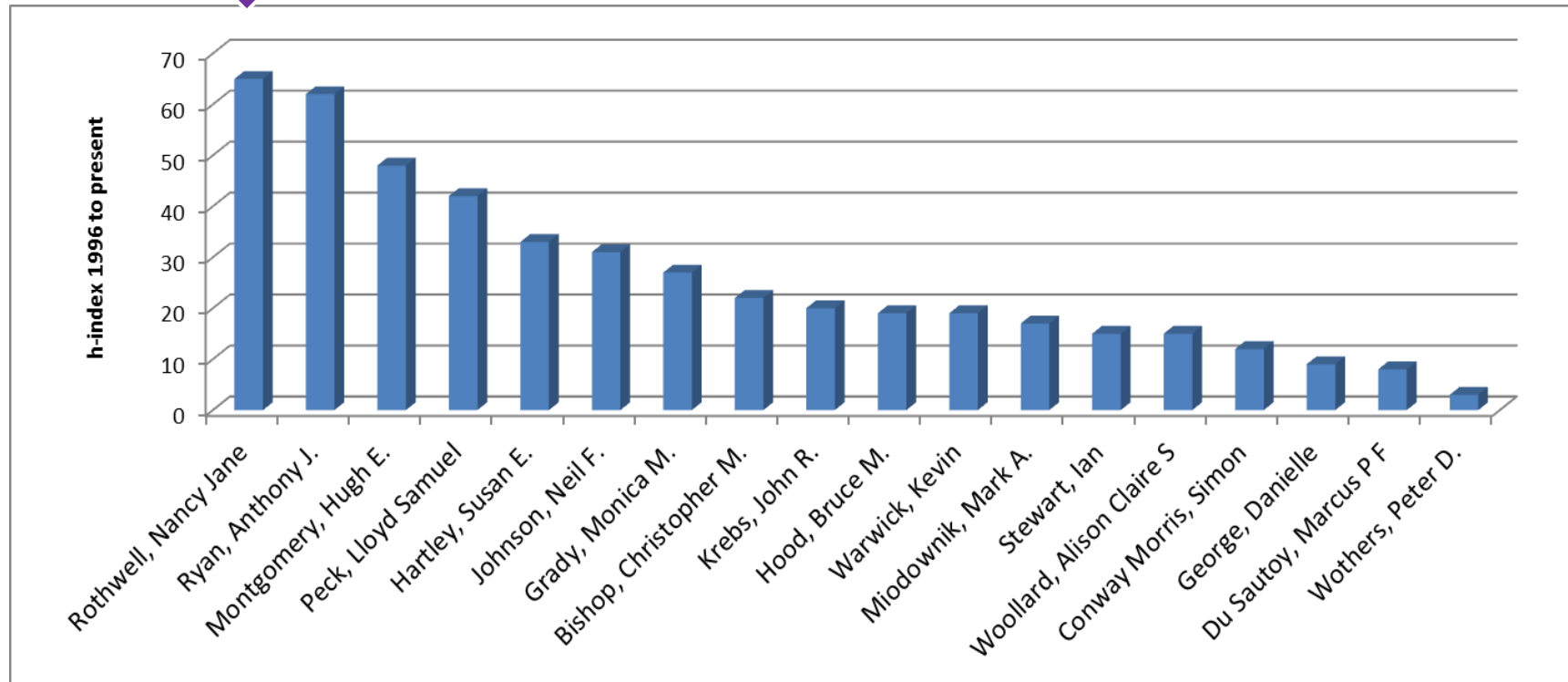


“Get me some data to show that we’re better than MIT at Energy”





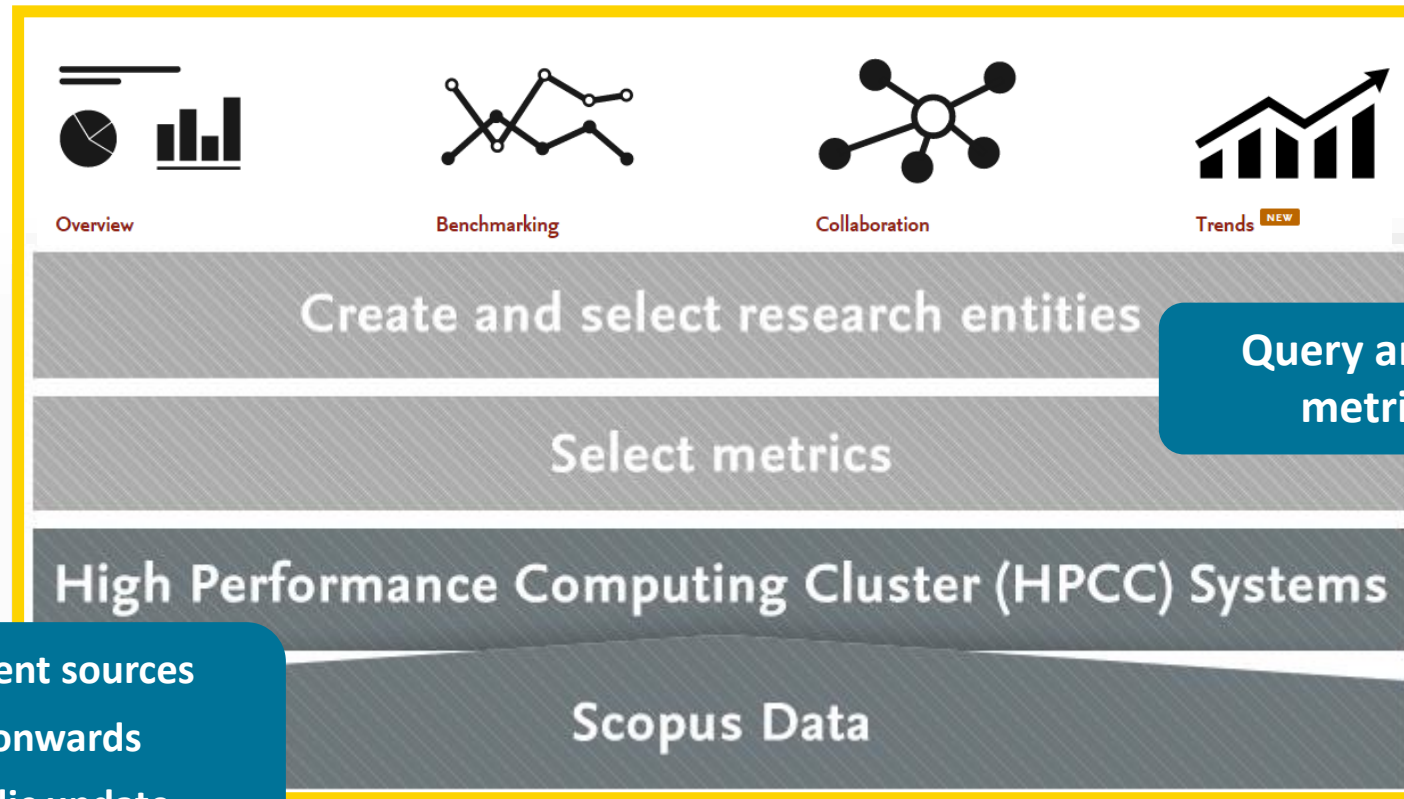
“So is Nancy Rothwell our best researcher then?”



SciVal – <https://www.scival.com>

Big data, metrics and machine learning

Launched in 2014 SciVal uses advanced data analytics super-computer technology. It allows you to instantly process an enormous amount of data to generate powerful data visualizations on-demand, in seconds.



SciVal Entities

Pre-defined entities include c.10k institutions and 230 nations.

Four modules: Overview, Benchmarking, Collaboration and Trends

Ready-to-use & Create your own



Institutions (+ groups)



Countries (+ groups)



Research Areas



Researchers (+ groups)

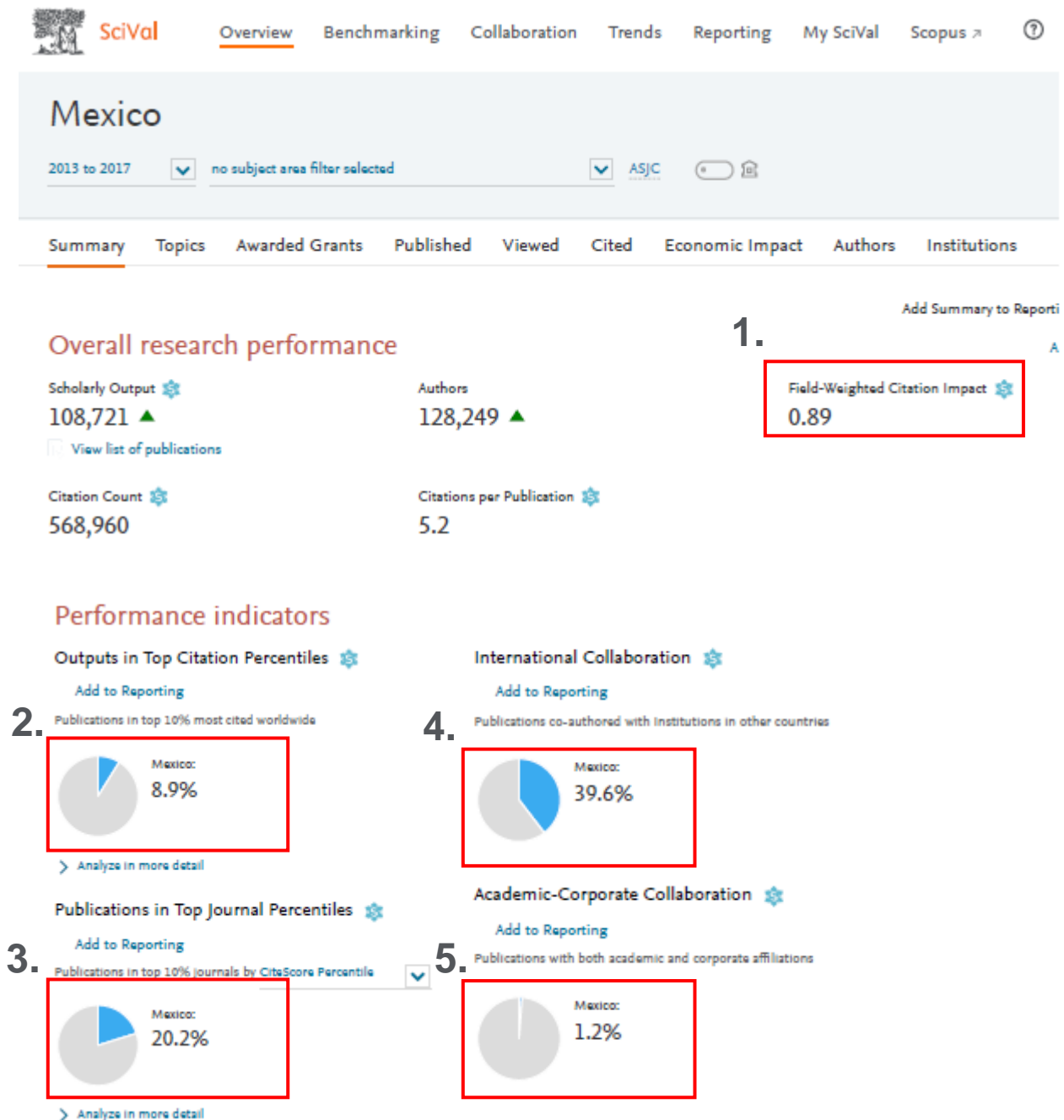


Publication sets (+ groups)

SciVal gives users the ability to create any desired grouping of entities, researcher groups or documents (up to 100k)

Key metrics in SciVal Overview

1. Field Weighted Citation Impact (FWCI)
2. Outputs in top citation percentiles
3. Publications in Top Journals percentiles (CiteScore and SNIP)
4. International collaboration
5. Academic-Corporate Collaboration



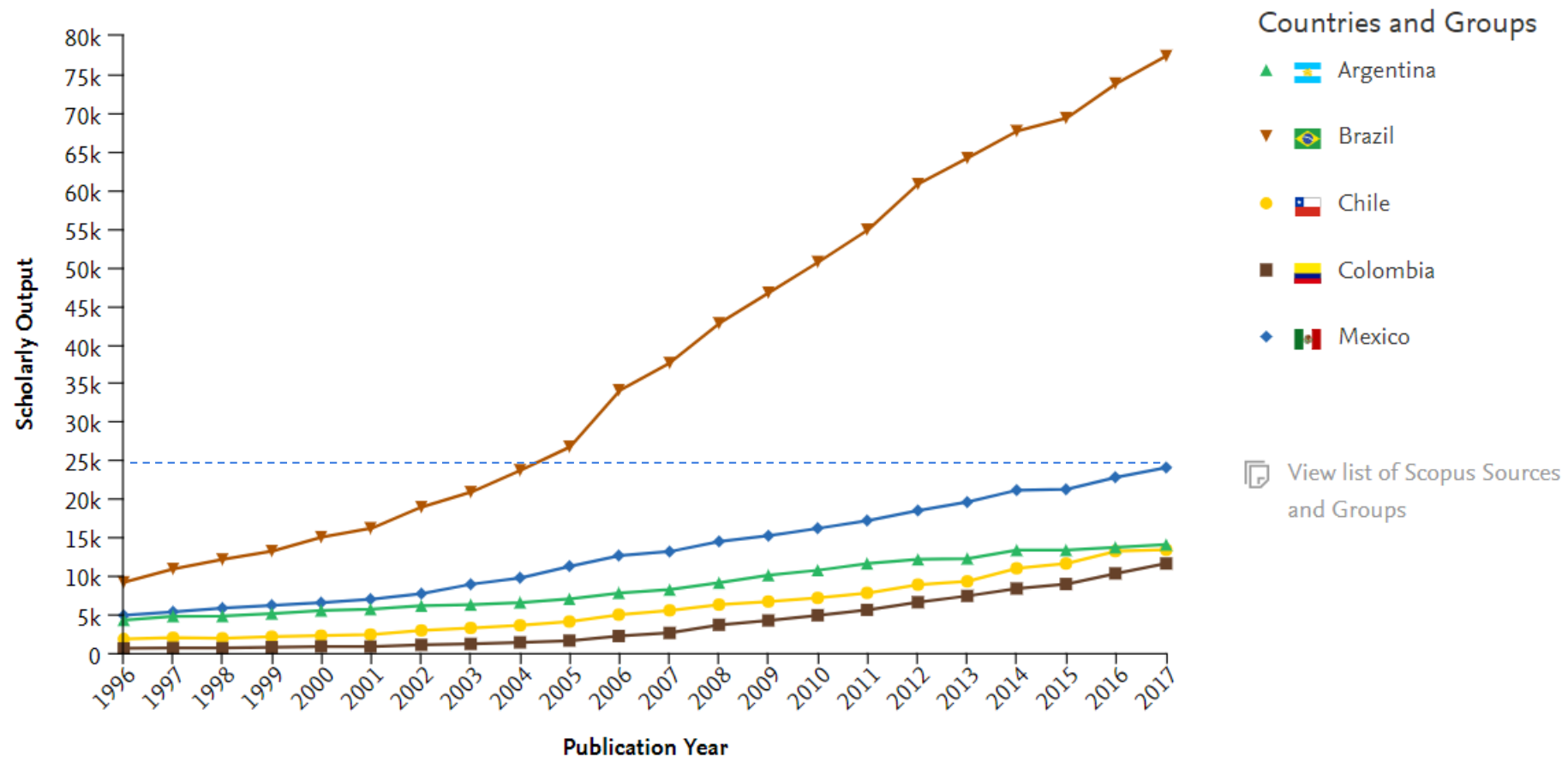
International Research Performance – Mexico

1996 – 2017

Source: SciVal

Scholarly Output 

Publication Year



International Research Performance – Mexico

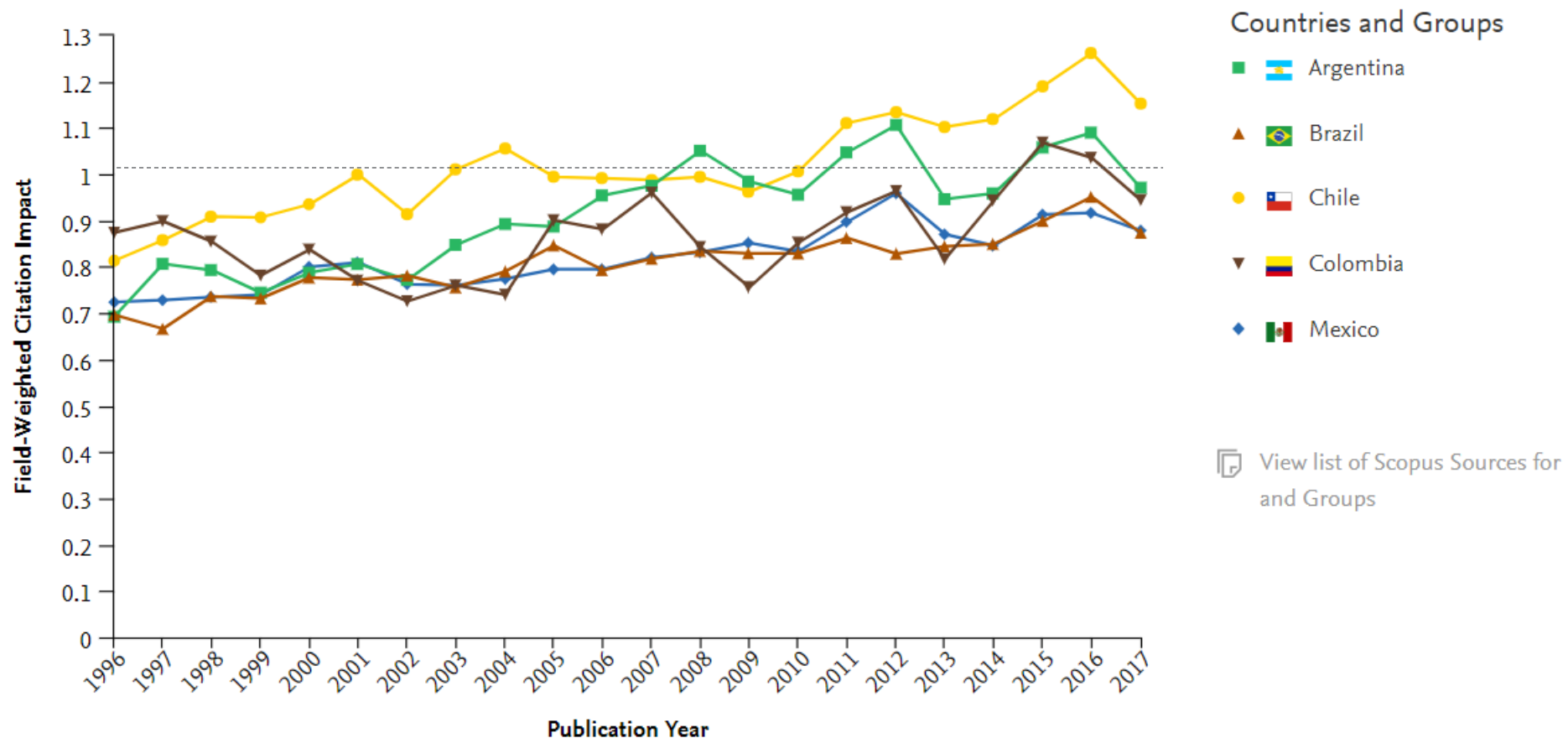
2013 – 2018

Source: SciVal

Field-Weighted Citation

Publication Year


Impact 



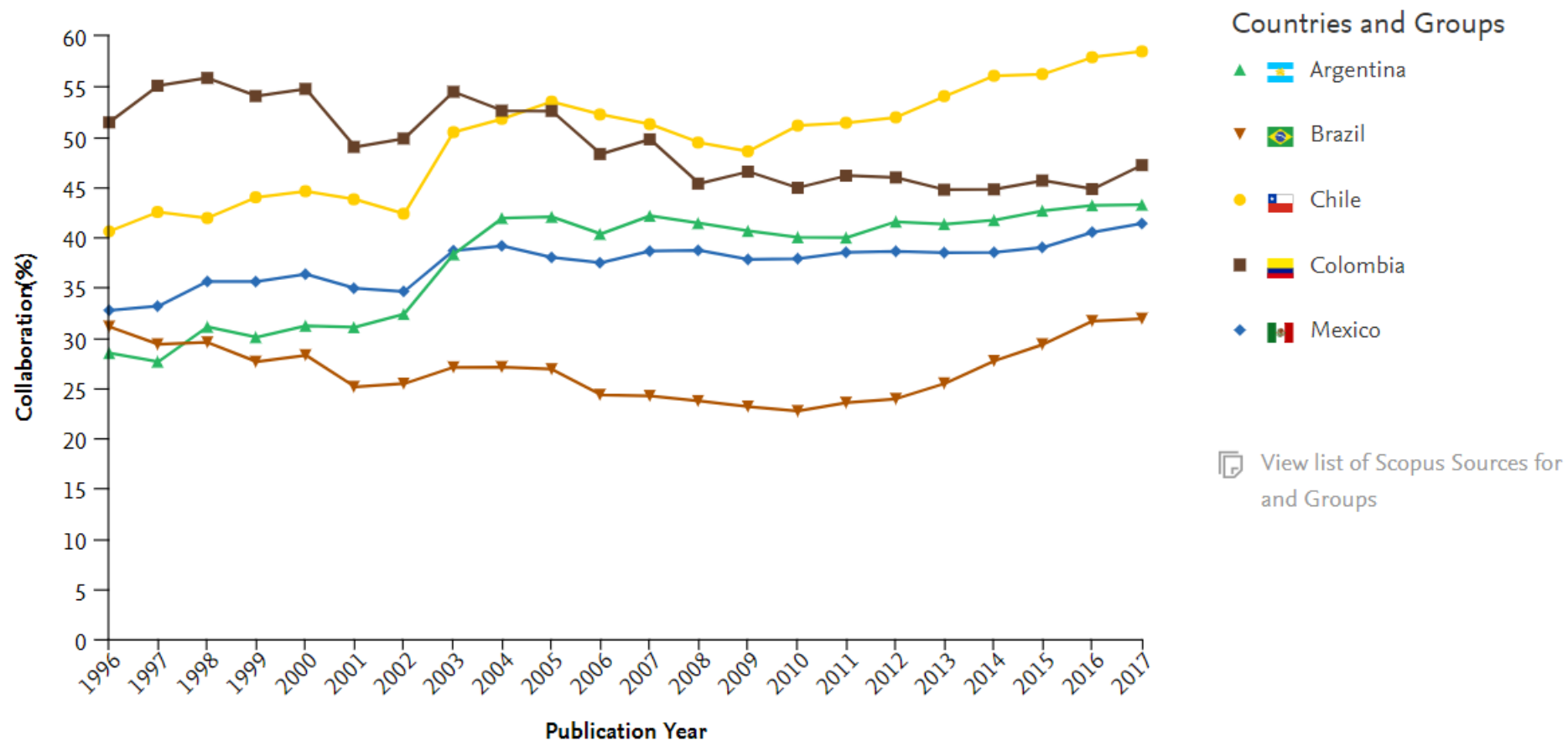
International Research Performance – Mexico

2013 – 2018

Source: SciVal

Collaboration 

Publication Year



SciVal Use sample use cases

“How can we demonstrate excellence in a way that best shows our unique strengths to secure funding?”



“My colleague is going to a conference in the UK; who do our academics collaborate with there and how can we expand?”



“How can I see who’s excelling in a specific subject and identify potential collaboration opportunities?”



“I want to review my publication strategy. How can these data provide me with insights?”





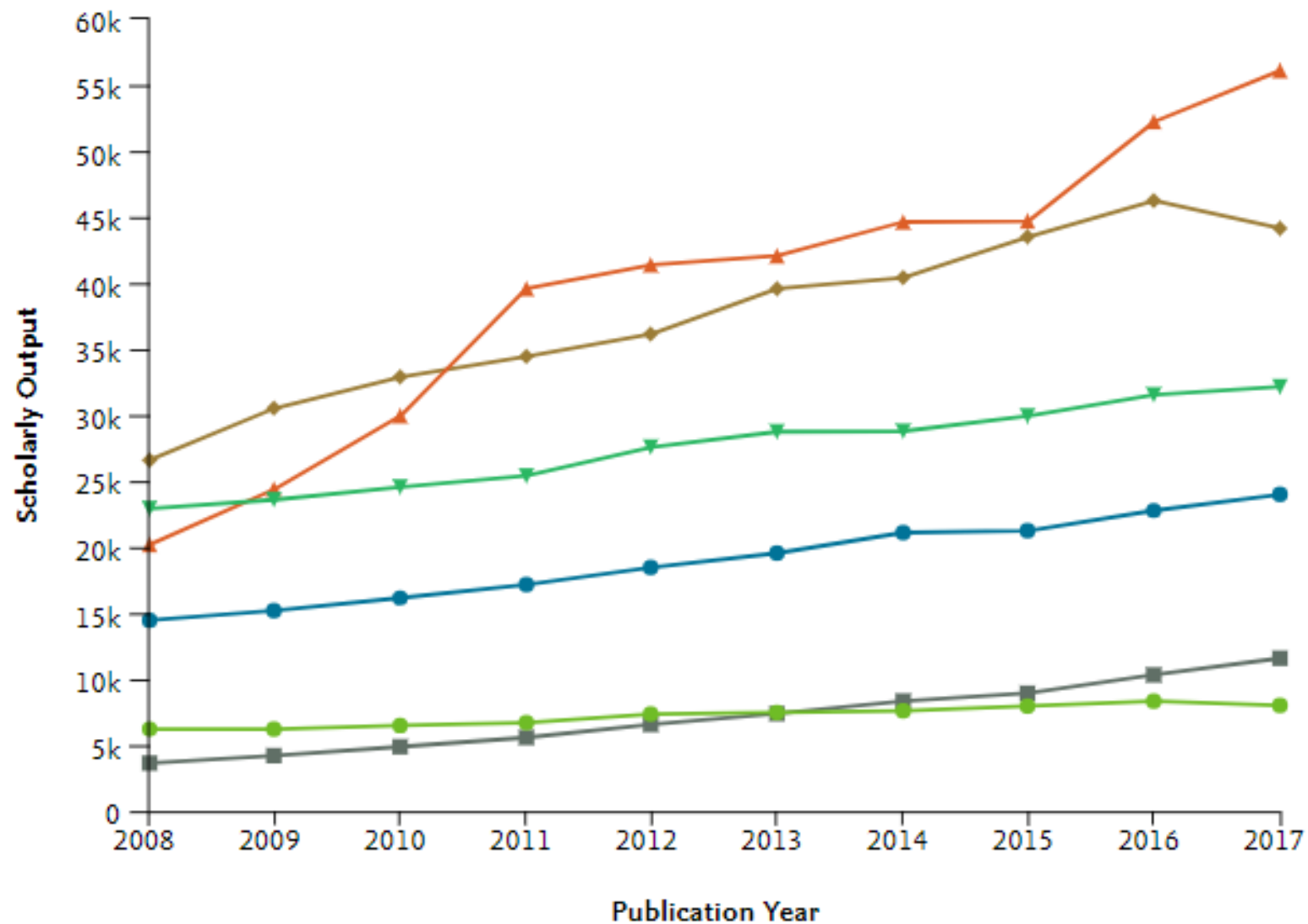
Key metrics for N8 members in SciVal Overview

Institutions in the N8 Research Partnership



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

There are 8 Institutions in the N8 Research Partnership:





| Institution | Publications  | Authors | Field-Weighted Citation Impact | Citations  |
|---|--|---|-----------------------------------|---|
| 1.  University of Manchester | 39,435  | 17,438  | 1.89 | 453,557 |
| 2.  University of Sheffield | 23,334  | 9,727  | 1.92 | 255,858 |
| 3.  University of Leeds | 21,947  | 9,475  | 1.71 | 216,739 |
| 4.  University of Liverpool | 20,159  | 8,661  | 1.95 | 228,527 |
| 5.  Newcastle University | 19,119  | 8,821  | 1.88 | 201,757 |
| 6.  University of York | 13,694  | 5,684  | 1.84 | 135,066 |
| 7.  University of Durham | 13,128  | 4,767  | 1.76 | 140,057 |
| 8.  Lancaster University | 10,819  | 3,636  | 2.00 | 104,698 |



Institutions and Groups


- ▼  N8 Research Partnership
-  University of Manchester

Countries and Groups

-  Colombia
- ▲  Iran
-  Mexico
- ◆  Turkey

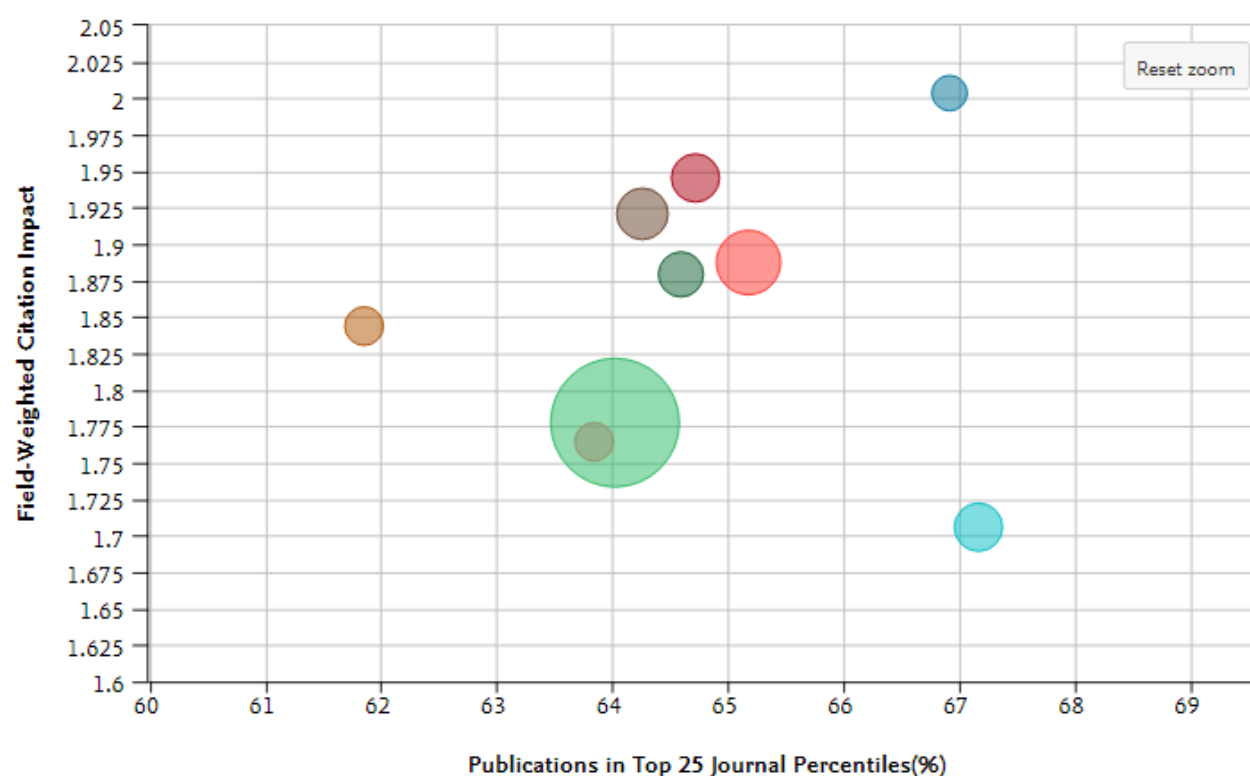
 [View list of Scopus Sources for the selected Researchers and Groups](#)



↓ y-axis: Scholarly Output 
Types of publications included: all.

↓ x-axis: Publication Year

Key metrics for N8 members in SciVal Benchmarking



Institutions and Groups

- Lancaster University
- N8 Research Partnership
- Newcastle University
- University of Durham
- University of Leeds
- University of Liverpool
- University of Manchester
- University of Sheffield
- University of York

View list of Scopus Sources for the selected Researchers and Groups

151K
84.8K
16.7K

Scholarly Output

y-axis: Field-Weighted Citation Impact

Types of publications included: all. Self-citations included: yes.

x-axis: Publications in Top 25 Journal Percentiles (In top 25% of Scopus Sources, %)

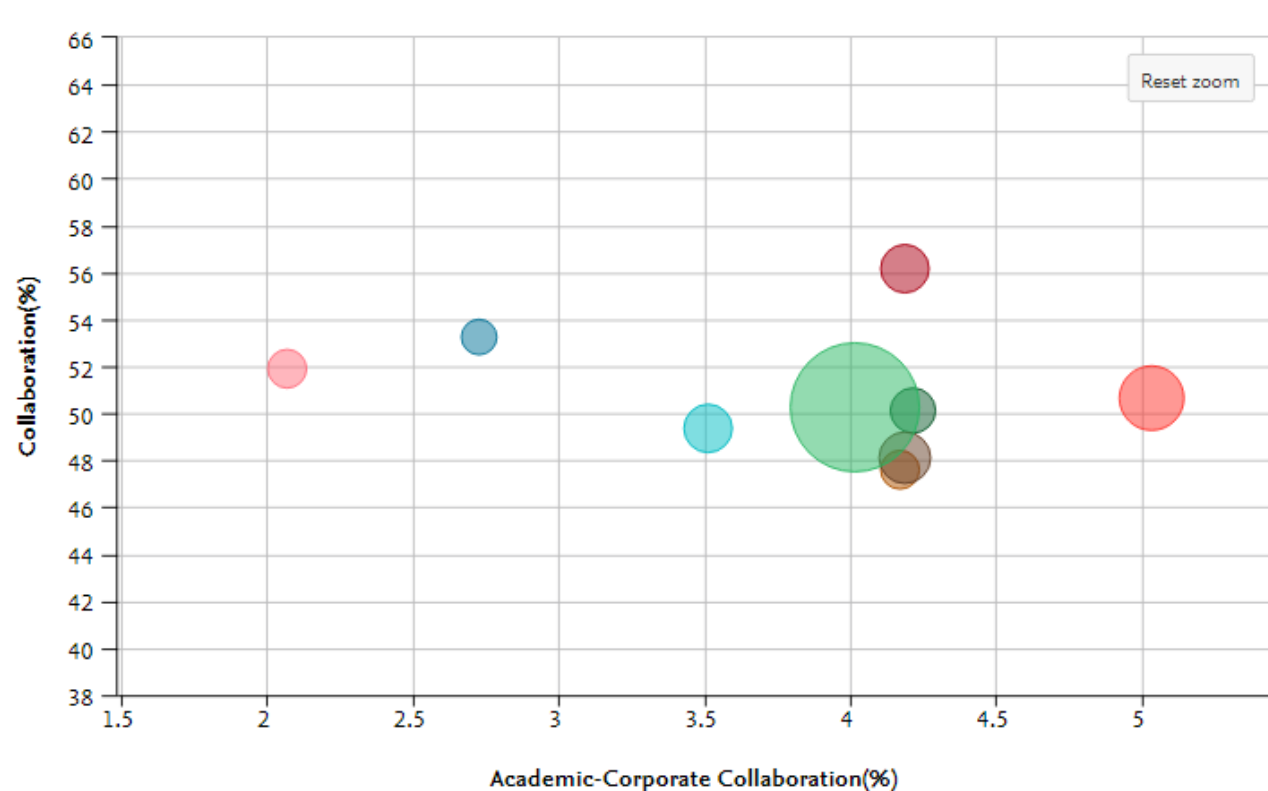
SNIP. Types of publications included: all.

The percentage of the Publications in Top Journal Percentiles is calculated using only the publications that have a CiteScore Percentile, SNIP, or SJR value.

Bubble size: Scholarly Output

Types of publications included: all.

More metrics in SciVal Benchmarking for N8

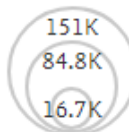


Institutions and Groups

- Lancaster University
- N8 Research Partnership
- Newcastle University
- University of Durham
- University of Leeds
- University of Liverpool
- University of Manchester
- University of Sheffield
- University of York

View list of Scopus Sources for the selected Researchers and Groups

- y-axis: **Collaboration** (International, %)
Types of publications included: all. Field-weighted: no
- x-axis: **Academic-Corporate Collaboration** (%)
Types of publications included: all.
- Bubble size: **Scholarly Output**
Types of publications included: all.



Scholarly Output

Collaboration with the United Kingdom



Year range: 2013 to 2017

Export Shortcuts

Overview

Current co-authors

Potential co-authors

Mexico

5,144

co-authors with the United Kingdom

0.89

Field-Weighted Citation Impact

Co-authored

4,737

publications

4.05

Field-Weighted Citation Impact

United Kingdom

10,214

co-authors with Mexico

1.58

Field-Weighted Citation Impact

| | | | |
|-----------------------------|-----------|---------|------------|
| Authors | 128,249 | – | 589,293 |
| Scholarly Output | 108,721 | – | 981,893 |
| Views count (from Scopus) | 2,290,453 | 297,587 | 18,518,377 |
| Field-Weighted Views Impact | 1.43 | 5.05 | 1.33 |
| Citation Count | 568,960 | 126,775 | 8,827,218 |
| Number of Institutions | 85 | | 873 |

[Show more](#)



ELSEVIER

Institutions collaborating with Benemerita Universidad Autonoma de Puebla

Europe ☐ United Kingdom ☐ All authors ☐ All sectors ☐ reset filter

 47 collaborating institutions  704 co-authored publications

Export Shortcuts Find institution

| Institution | Co-authored publications <input type="button" value="v"/> | Co-authors at Benemerita Universidad Autonoma de Puebla | Co-authors at the other institution | Field-Weigh... <input type="button" value="v"/> |
|--|---|---|--------------------------------------|---|
|  Rutherford Appleton Laboratory | 473 <input type="button" value="v"/> | 38 <input type="button" value="v"/> | 150 <input type="button" value="v"/> | 4.11 |
|  Imperial College London | 466 <input type="button" value="v"/> | 25 <input type="button" value="v"/> | 171 <input type="button" value="v"/> | 4.21 |
|  Brunel University | 465 <input type="button" value="v"/> | 21 <input type="button" value="v"/> | 137 <input type="button" value="v"/> | 4.16 |
|  University of Bristol | 465 <input type="button" value="v"/> | 21 <input type="button" value="v"/> | 95 <input type="button" value="v"/> | 4.16 |
|  University of Southampton | 308 <input type="button" value="v"/> | 41 <input type="button" value="v"/> | 42 <input type="button" value="v"/> | 3.78 |
|  University of Birmingham | 150 <input type="button" value="v"/> | 51 <input type="button" value="v"/> | 85 <input type="button" value="v"/> | 4.70 |
|  Daresbury Laboratory | 139 <input type="button" value="v"/> | 32 <input type="button" value="v"/> | 22 <input type="button" value="v"/> | 3.62 |
|  University of Liverpool | 117 <input type="button" value="v"/> | 39 <input type="button" value="v"/> | 47 <input type="button" value="v"/> | 3.69 |



SciVal Data for 2013 to 2017. Datacut 17th August 2018.

Publications in the United Kingdom that were co-authored with Benemerita Universidad Autonoma de Puebla

Year range: 2013 to 2017

Export

Scopus Sources

All Scopus Sources

Journal of High Energy Physics 170

Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics 161

European Physical Journal C 97

Physical Review Letters 61

Physical Review D - Particles, Fields, Gravitation and Cosmology 50

Show more

Subject Areas

Publication years

Publication types

704 publications



| Title | Authors | Year | Scopus Source | Citations |
|--|--|------|--|-----------|
| Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments View abstract View in Scopus | Aad, G., Abbott, B., Abdallah, J. and 5,151 more | 2015 | Physical Review Letters | 497 |
| Observation of long-range, near-side angular correlations in pPb collisions at the LHC View abstract View in Scopus | Chatrchyan, S., Khachatryan, V., Sirunyan, A.M. and 2,190 more | 2013 | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 380 |
| Long-range angular correlations on the near and away side in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV View abstract View in Scopus | Abelev, B., Adam, J., Adamova, D. and 972 more | 2013 | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 377 |
| Measurements of the Higgs boson production and decay rates and constraints on its couplings from a | The ATLAS collaboration, , Aad, G., Abbott, B. | 2016 | Journal of High Energy Physics | 280 |






SciVal Data for 2013 to 2017. Datacut 17th August 2018. Note the number of hyper-authored publications with >1k co-authors.

Institutions collaborating with Benemerita Universidad Autonoma de Puebla

Europe United Kingdom ≤ 50 authors All sectors reset filter

 27 collaborating institutions  47 co-authored publications

Export Shortcuts Find institution

| Institution | Co-authored publications <input type="button" value="v"/> | Co-authors at Benemerita Universidad Autonoma de Puebla | Co-authors at the other institution | Field-Weigh... <input type="button" value="v"/> |
|--|---|---|-------------------------------------|---|
|  University of Southampton | 10 <input type="button" value="v"/> | 11 <input type="button" value="v"/> | 9 | 0.78 |
|  Rutherford Appleton Laboratory | 6 <input type="button" value="v"/> | 9 <input type="button" value="v"/> | 1 <input type="button" value="v"/> | 0.58 |
|  Royal Botanic Gardens, Kew | 3 <input type="button" value="v"/> | 2 <input type="button" value="v"/> | 1 <input type="button" value="v"/> | 0.00 |
|  University of Glasgow | 3 <input type="button" value="v"/> | 3 <input type="button" value="v"/> | 2 <input type="button" value="v"/> | 0.60 |
|  University of Nottingham | 3 <input type="button" value="v"/> | 1 <input type="button" value="v"/> | 2 <input type="button" value="v"/> | 0.29 |
|  University of Oxford | 3 <input type="button" value="v"/> | 4 <input type="button" value="v"/> | 2 <input type="button" value="v"/> | 0.51 |
|  University of Warwick | 3 <input type="button" value="v"/> | 3 <input type="button" value="v"/> | 3 <input type="button" value="v"/> | 0.00 |
|  Cardiff University | 2 <input type="button" value="v"/> | 2 <input type="button" value="v"/> | 2 <input type="button" value="v"/> | 1.17 |



SciVal Data for 2013 to 2017. Datacut 17th August 2018.

Demonstrating excellence

- 100k Topics globally
- Prominence indicates the momentum of a topic and is calculated using
 - Citation Count
 - Views Count
 - CiteScore
- Sample for UoM 2013-17 shown opposite
- Can be used to evidence claims of research strength

**Psychotic disorders;
Delusions;
persecutory
delusions**
T.3916

**Metabolic networks and
pathways; Systems biology;
metabolic modeling**
T.1396

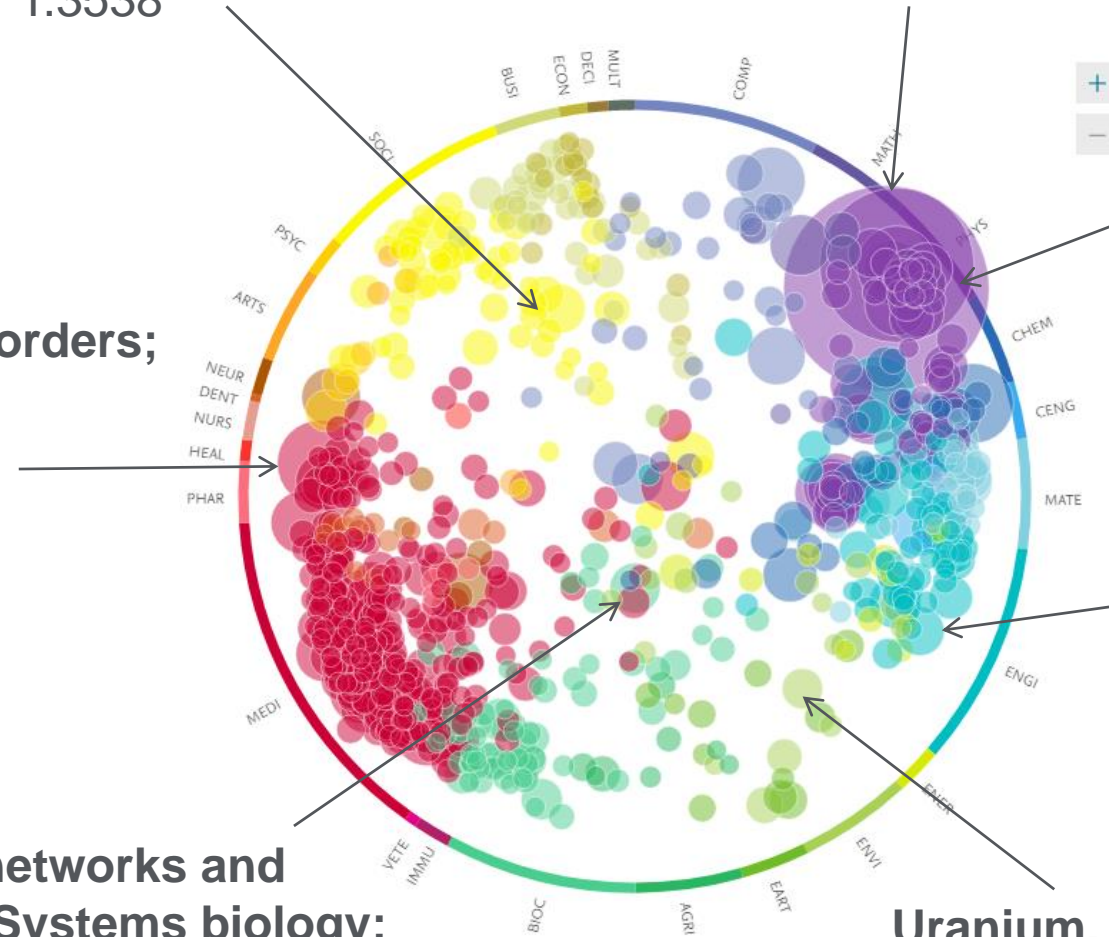
**Fair trade; Global
value chains;
production**
T.3538

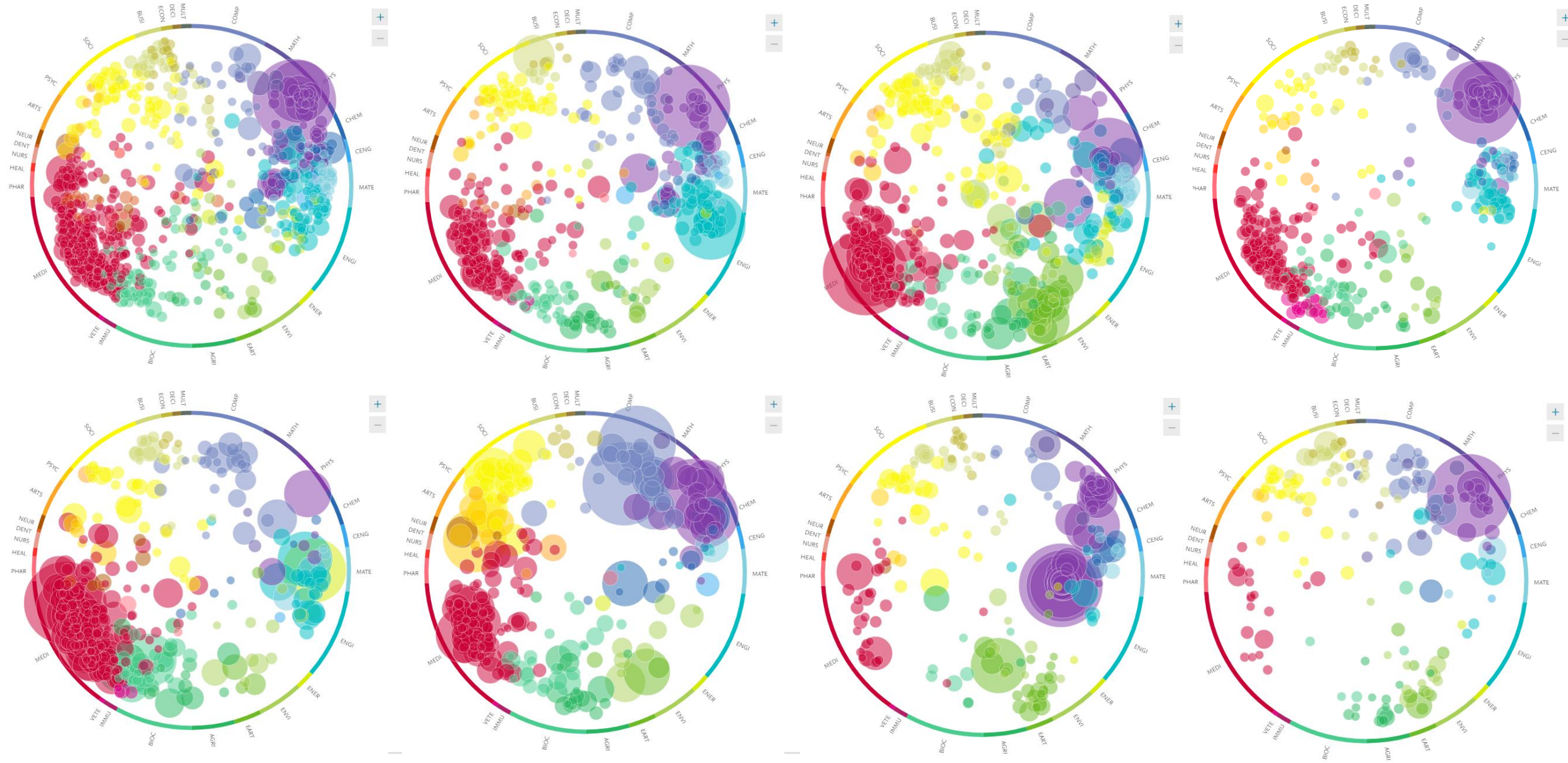
**Decay; CP violation;
angle**
T.198

**Jets;
production;
parton
shower**
T.1026

**HVDC power
transmission;
source
converter**
T.1954

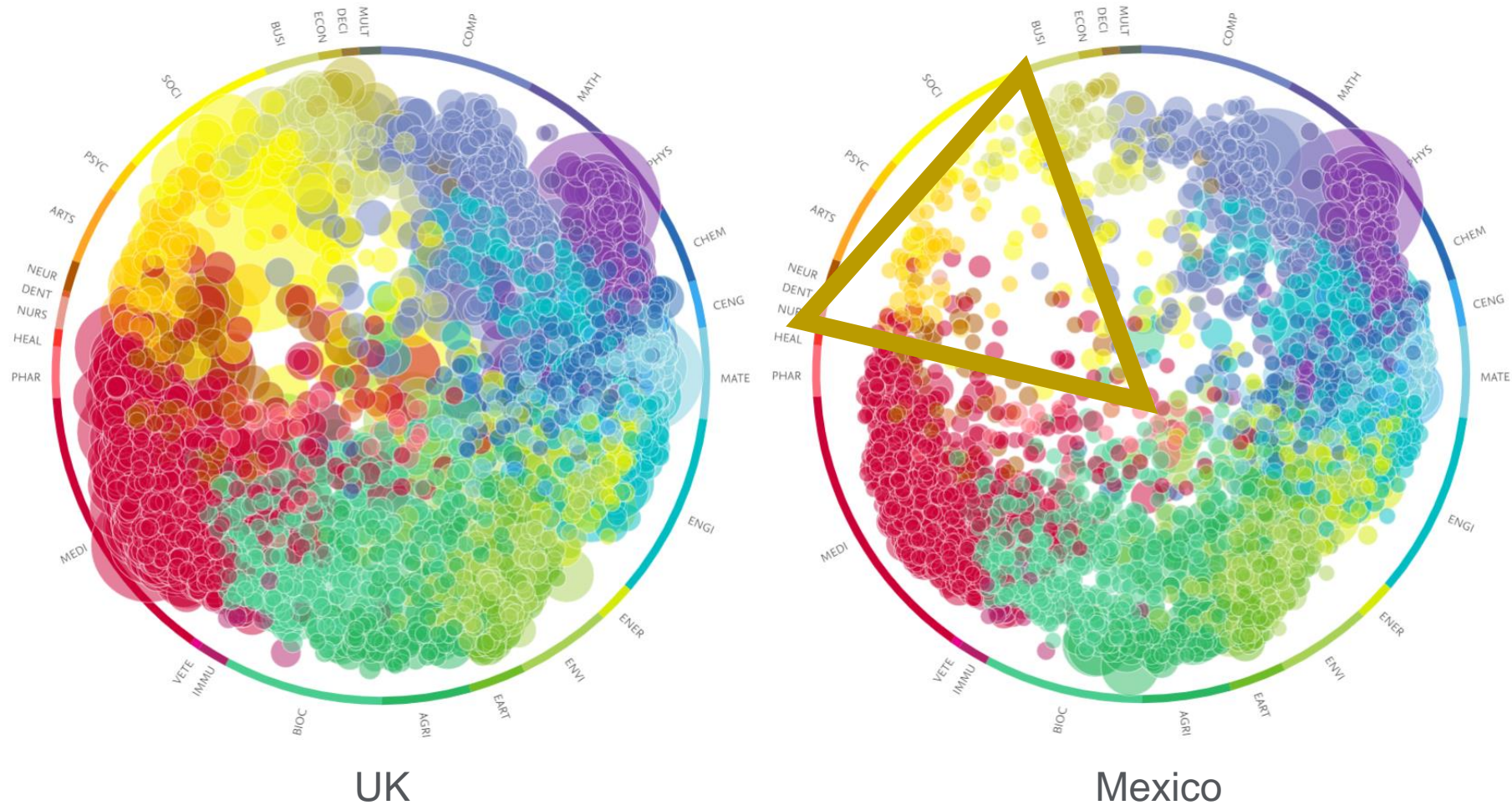
**Uranium, Uranium
compounds; U(VI)
reduction**
T.4286





Top row: Manchester, Sheffield, Leeds & Liverpool. **Bottom row:** Newcastle, York, Durham & Lancaster
 Top 25% of Topics by Prominence 2013 to 2017 filtered by Key Topics only

Topic prominence (top 5% prominence 2013-2018)

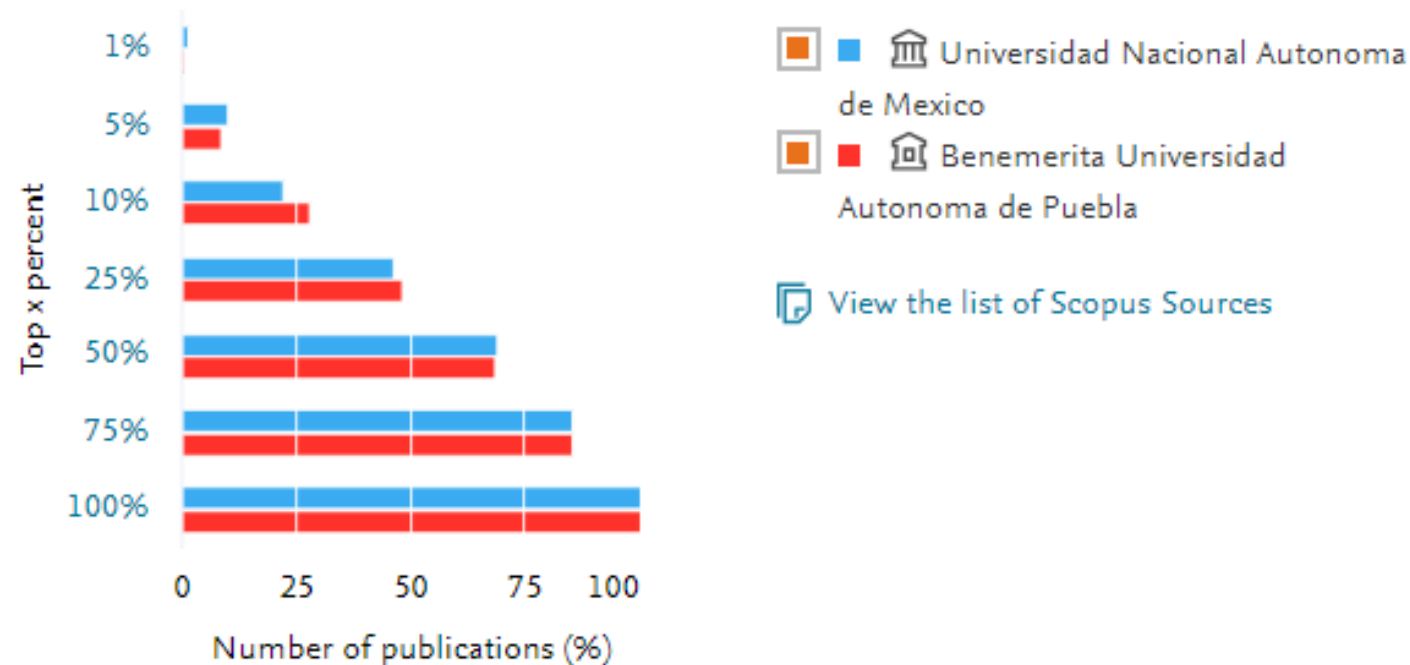


Publication portfolio of Universidad Nacional Autonoma de Mexico and Benemerita Universidad Autonoma de Puebla

Share of publications that are in Scopus Sources by [CiteScore Percentile](#)



View: ☐ Absolute share ☒ Cumulative share



List of Scopus Sources



Year range: 2013 to 2017 · [CiteScore Percentile](#) ☐ by top [10%](#) ☐ of cumulative share

Export ☐

View the [Scholarly Output](#) ☐ of the selected entities, by Scopus Source:

| Scopus Source | CiteScore 2017 | Benemerita Universidad Autonoma de Puebla | Universidad Nacional Autonoma de Mexico |
|---------------------------------------|----------------|---|---|
| Chemical Society Reviews | 39.420 | - | 1 |
| Energy and Environmental Science | 30.870 | 1 | - |
| Nature Materials | 25.470 | - | 3 |
| Nature Nanotechnology | 25.470 | - | 1 |
| Cell | 21.990 | - | 1 |
| Nature Genetics | 21.120 | - | 8 |
| Advanced Materials | 21.100 | 1 | 2 |
| Nature Reviews Molecular Cell Biology | 20.560 | - | 1 |
| Physics Reports | 19.420 | 1 | 1 |
| Nature Reviews Cancer | 18.710 | - | 1 |

Show next 100 Scopus Sources



SciVal Data for 2013 to 2017. Datacut 17th August 2018.

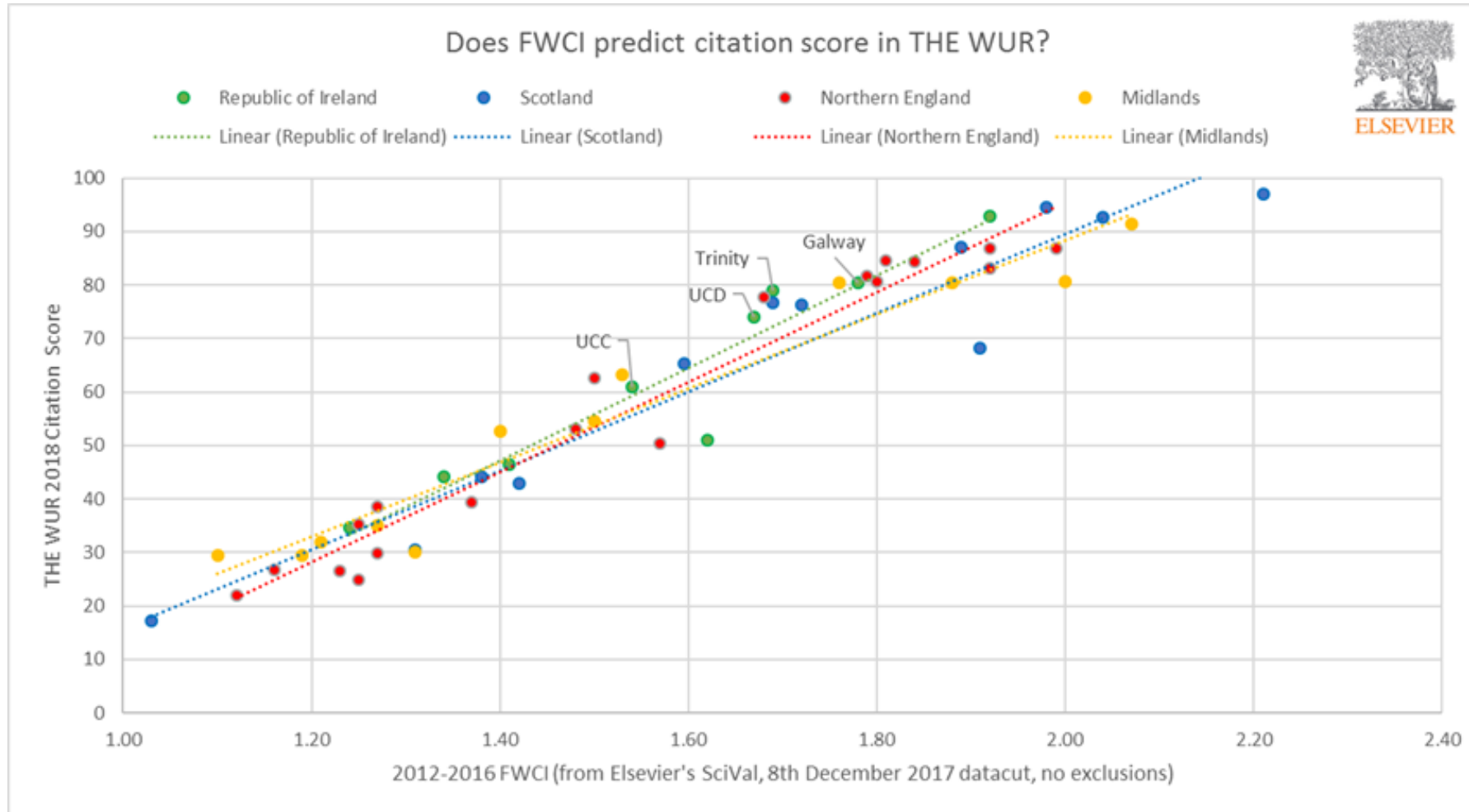


So why do citations matter so much to senior decision makers?

Institutions in Ireland

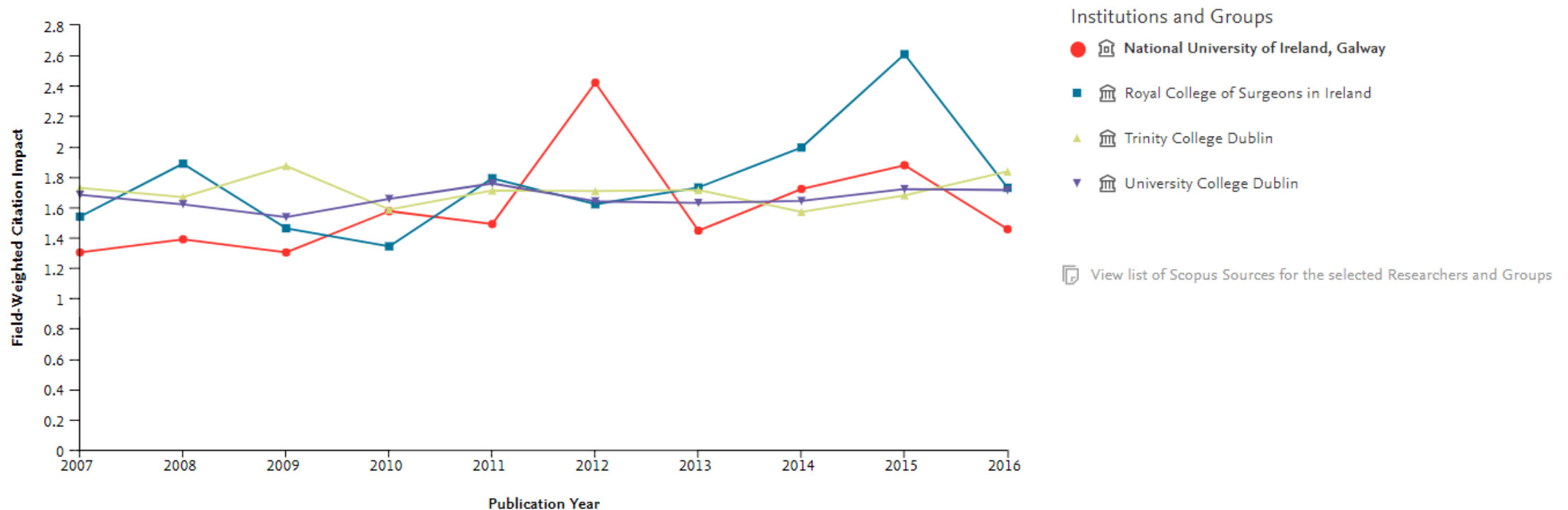
There are 57 Institutions in Ireland:

| Institution | Publications ↓ | Authors | Field-Weighted Citation Impact | Citations |
|---|----------------|---------|-----------------------------------|-----------|
| 1.  University College Dublin | 15,309 ▲ | 7,711 ▲ | 1.67 | 177,757 |
| 2.  Trinity College Dublin | 13,416 ▲ | 7,709 ▲ | 1.70 | 173,881 |
| 3.  University College Cork | 9,872 ▲ | 5,439 ▲ | 1.55 | 103,558 |
| 4.  National University of Ireland, Galway | 7,321 ▲ | 3,967 ▲ | 1.78 | 89,709 |
| 5.  Dublin City University | 4,802 ▼ | 2,128 ▼ | 1.34 | 37,059 |
| 6.  University of Limerick | 4,711 ▲ | 2,172 ▲ | 1.40 | 35,287 |
| 7.  Maynooth University | 2,489 ▲ | 1,149 ▲ | 1.63 | 25,420 |
| 8.  Royal College of Surgeons in Ireland | 2,244 ▲ | 1,623 ▲ | 1.94 | 33,632 |
| 9.  Dublin Institute of Technology | 1,703 ▲ | 910 ▲ | 1.25 | 14,052 |
| 10.  Teagasc - Irish Agriculture and Food Development Authority | 1,528 ▲ | 766 ▲ | 1.72 | 19,468 |




Institutions with a high FWCI are likely to receive a higher citation score from Times Higher in the World University rankings. In the chart above I have not attempted to exactly replicate the datacut, content types or author fractionation they use for kilo papers.

How can I communicate this variability?



Metrics details

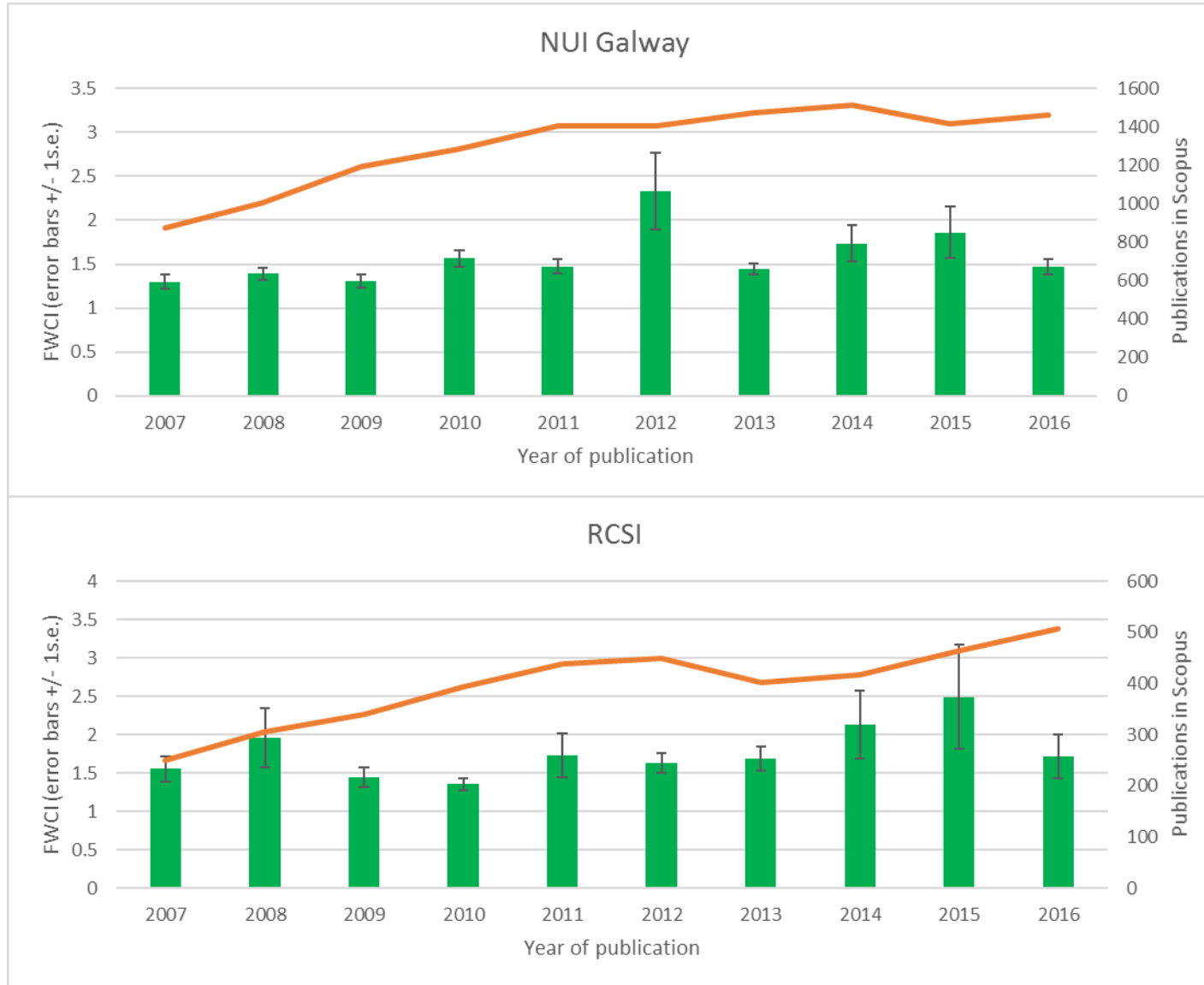
y-axis: Field-Weighted Citation Impact 
Types of publications included: all. Self-citations included: yes.

x-axis: Publication Year



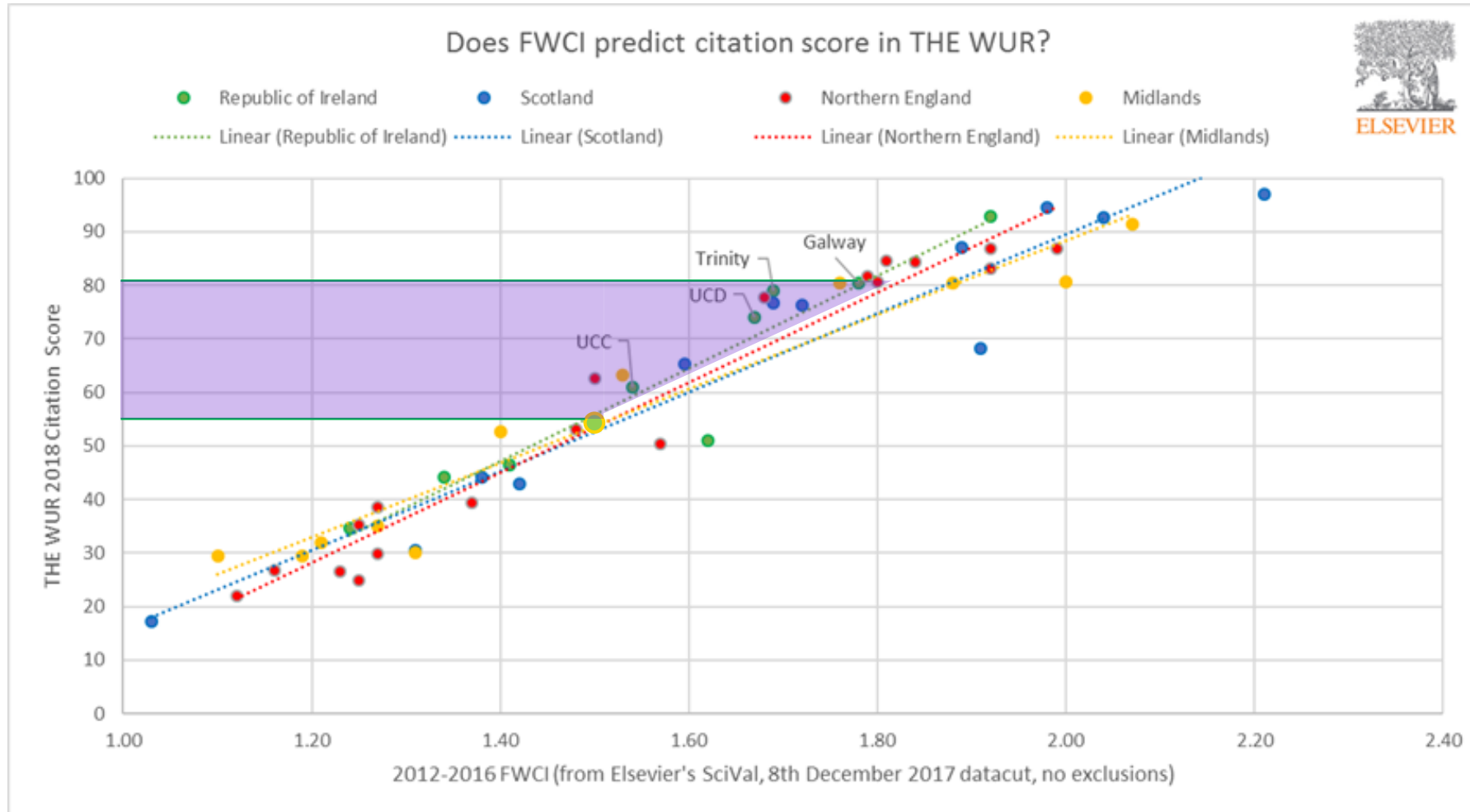
Data from SciVal for 2007-2016

One approach using standard error bars



Thought experiments to understand impact of outliers

| | B | C | D | E | G | H | I | J | K | L | M | N | O | P |
|----|---|-----------|------|---|-----------|-----------|------------|------------|------------|-------------|-------------|------------|-------------------------|---|
| 1 | Publications at the National University of Ireland, Galway | | | | | | | | | | | | | |
| 2 | 2012 to 2016 | | | | | | | | | | | | | |
| 3 | not filtered | | | | | | | | | | | | | |
| 4 | All publication types | | | | | | | | | | | | | |
| 5 | - | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | |
| 7 | Scopus | | | | | | | | | | | | | |
| 8 | 19 January 2018 | | | | | | | | | | | | | |
| 9 | 19 February 2018 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | |
| 13 | Some Authors cells are truncated and therefore show the first 500 Authors. Some Institutions cells are truncated and therefore show the first 100 Institutions. | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | |
| 15 | Authors | Number of | Year | Scopus Source title | SNIP 2016 | Citations | Field-Weig | Outputs in | Field-Weig | DOI | Publication | EID | Institutions | |
| 16 | Lozano, R., Naghavi, M., Foreman, J. | 189 | 2012 | The Lancet | 13.698 | 4966 | 498.84 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-848 | Kwame Nkrumah Univ | |
| 17 | Naghavi, M., Wang, H., Lozano, R. | 717 | 2015 | The Lancet | 13.698 | 1772 | 461.25 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-849 | Cairo University, Mans | |
| 18 | Murray, C.J.L., Vos, T., Lozano, R. | 359 | 2012 | The Lancet | 13.698 | 3421 | 377.49 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-848 | Kwame Nkrumah Univ | |
| 19 | Vos, T., Flaxman, A.D., Naghavi, M. | 361 | 2012 | The Lancet | 13.698 | 2561 | 253.8 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-848 | Kwame Nkrumah Univ | |
| 20 | Hart, R.G., Diener, H.-C., Coutts, S. | 8 | 2014 | The Lancet Neurology | 8.366 | 227 | 168.25 | 1 | 1 | 10.1016/S1 | Note | 2-s2.0-848 | University of Duisburg | |
| 21 | Feigin, V.L., Forouzanfar, M.H., Kri | 19 | 2014 | The Lancet | 13.698 | 908 | 160.2 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-848 | University of the Witw | |
| 22 | Jobstvogt, N., Hanley, N., Hynes, S. | 5 | 2014 | Ecological Economics | 1.613 | 40 | 100.4 | 2 | 1 | 10.1016/j.e | Short Surv | 2-s2.0-848 | University of Aberdeer | |
| 23 | Ripke, S., Neale, B.M., Corvin, A. | 300 | 2014 | Nature | 8.039 | 1665 | 90.92 | 1 | 1 | 10.1038/n | Article | 2-s2.0-849 | University of Melbourn | |
| 24 | Klionsky, D.J., Abdelmohsen, K., A | 2472 | 2016 | Autophagy | 1.427 | 591 | 64.07 | 1 | 1 | 10.1080/15 | Review | 2-s2.0-850 | University of Cape Tow | |
| 25 | Gladstone, D.J., Spring, M., Dorian | 31 | 2014 | New England Journal of Medicine | 14.683 | 336 | 59.76 | 1 | 1 | 10.1056/NI | Article | 2-s2.0-849 | National University of | |
| 26 | Burger, J.A., Tedeschi, A., Barr, P. | 34 | 2015 | New England Journal of Medicine | 14.683 | 225 | 58.57 | 1 | 1 | 10.1056/NI | Article | 2-s2.0-849 | University of Melbourn | |
| 27 | O'Donnell, M.J., Chin, S.L., Rangar | 46 | 2016 | The Lancet | 13.698 | 93 | 50.77 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-849 | University of Ibadan, L | |
| 28 | McCarthy, B., Casey, D., Devane, I | 6 | 2015 | The Cochrane database of systematic r | 3.489 | 208 | 44.82 | 1 | 1 | 10.1002/14 | Article | 2-s2.0-849 | National University of | |
| 29 | O'Donnell, M., Mente, A., Rangaraj | 29 | 2014 | New England Journal of Medicine | 14.683 | 250 | 44.42 | 1 | 1 | 10.1056/NI | Article | 2-s2.0-849 | North West University | |
| 30 | Guiry, M.D. | 1 | 2012 | Journal of Phycology | 1.084 | 158 | 42.84 | 1 | 1 | 10.1111/j. | Note | 2-s2.0-848 | National University of | |
| 31 | Pearse, R.M., Moreno, R.P., Bauer | 1940 | 2012 | The Lancet | 13.698 | 386 | 40.13 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-848 | Medical University of | |
| 32 | Compton, M., Barnaghi, P., Bermu | 22 | 2012 | Journal of Web Semantics | 3.781 | 526 | 38.81 | 1 | 1 | 10.1016/j.v | Article | 2-s2.0-848 | CSIRO, Universidad P | |
| 33 | Mente, A., O'Donnell, M., Rangaraj | 29 | 2016 | The Lancet | 13.698 | 71 | 38.76 | 1 | 1 | 10.1016/S1 | Article | 2-s2.0-850 | North West University | |
| 34 | Gräsner, J.-T., Lefering, R., Koster | 35 | 2016 | Resuscitation | 1.894 | 53 | 37.63 | 1 | 1 | 10.1016/j.r | Article | 2-s2.0-849 | Innsbruck Medical Un | |
| 35 | Lutonski, J.E., Byrne, B.M., Devar | 4 | 2012 | BJOG: An International Journal of Obste | 1.999 | 47 | 36.01 | 4 | 1 | 10.1111/j. | Letter | 2-s2.0-848 | National University of | |
| 36 | Soldatos, J., Kefalakis, N., Hauswi | 12 | 2015 | Lecture Notes in Computer Science (inc | 0.552 | 60 | 35.66 | 1 | 1 | 10.1007/97 | Conference | 2-s2.0-849 | Ecole Polytechnique f | |
| 37 | Mente, A., O'Donnell, M.J., Rangar | 29 | 2014 | New England Journal of Medicine | 14.683 | 199 | 35.14 | 1 | 1 | 10.1056/NI | Article | 2-s2.0-849 | University of the West | |
| 38 | Rindi, F., Soler-Vila, A., Guiry, M.D | 3 | 2012 | Marine Bioactive Compounds: Sources, - | | 19 | 34.89 | 14 | 1 | 10.1007/97 | Chapter | 2-s2.0-848 | National University of | |



Institutions with a high FWCI are likely to receive a higher citation score from Times Higher in the World University rankings. In the chart above I have not attempted to exactly replicate the datacut, content types or author fractionation they use for kilo papers.

Beware of the seven deadly sins

that can confuse and frustrate Senior Decision Makers...

1. Provide loads of data with absolutely no interpretation
2. Give far too much detail when it is not required and could be actively confusing
3. Don't allow sufficient time for citations to accrue and metrics to stabilise
4. Completely ignore disciplinary differences and academic career history
5. Use a single metric and apply with impunity
6. Quietly ignore potentially inappropriate comparisons
7. Spectacularly confuse correlation with causation



See also Bert Blocken's 10 tips for writing a truly terrible article that acted as an inspiration
<https://www.elsevier.com/authors-update/story/publishing-tips/10-tips-for-writing-a-truly-terrible-journal-article>

Two Golden Rules of using research metrics

**Always use both qualitative
and quantitative input into
your decisions**

**Always use more than one
research metric as the
quantitative input**

- Metrics should be used together with peer review and expert opinion
- When metrics and peer review or expert opinion give different answers, probe further
- “Metrics” does not only mean bibliometrics
- Multiple metrics used together give the richest perspective

Key research metrics trends in the UK & Ireland

1. **Journal metrics** increasingly being used alongside with other metrics. Discussions about the best place to publish an output.
2. A better understanding of the **contextual differences and norms** between STEM and A&H/Social Sciences.
3. **Reducing reliance on h-index** (many of my customers now have HR policy banning use of h-index alone in recruitment because of their Athena Swan commitment to advancing the careers of women in research).

Workshop suggestion: selecting appropriate metrics












- **Group exercise:** 2 x 20mins, **Present back:** 20mins

Case one:

Select appropriate metrics to benchmark institutional citation performance

Case two:

Select appropriate metrics to measure research performance of early career researchers applying for a lectureship position

| | | |
|---|---|---|
|  CITATION COUNT # of citations accrued since publication <p>A simple measure of attention for a particular article, journal or researcher. As with all citation-based measures, it is important to be aware of citation practices. The paper "Effective Strategies for Increasing Citation Frequency" lists 33 different ways to increase citations.</p> |  DOCUMENT COUNT # of items published by an individual or group of individuals <p>A researcher using document count should also provide a list of document titles with links. If authors use an ORCID ID – a persistent scholarly identifier – they can draw on numerous sources for document count including Scopus, ResearcherID, CrossRef and PubMed. Register for an ORCID ID at http://orcid.org.</p> |  FIELD-WEIGHTED CITATION IMPACT (FWCI) # of citations received by a document expected # of citations for similar documents <p>Similar documents are ones in the same discipline, of the same type (e.g., article, letter, review) and of the same age. An FWCI of 1 means that the output performs just as expected against the global average. More than 1 means that the output is more cited than expected according to the global average; for example, 1.48 means 48% more cited than expected.</p> |
|  h-INDEX # of articles in the collection (h) that have received at least (h) citations over the whole period <p>For example, an h-index of 8 means that 8 of the collection's articles have each received at least 8 citations. h-index is not skewed by a single highly cited paper, nor by a large number of poorly cited documents. This flexible measure can be applied to any collection of citable documents. Related h-type indices emphasize other factors, such as newness or citing outputs' own citation counts.</p> |  CITESCORE citations in a year to documents published in previous 3 years # of documents in previous 3 years <p>This comprehensive, current and open metric for journal citation impact (introduced in December 2018) is available in a free layer of Scopus.com. It includes a yearly release and monthly CiteScore Tracker updates. Find CiteScore metrics for journals, conference proceedings, book series and trade journals at https://www.scopus.com/journals.</p> |  SCIMAGO JOURNAL RANK (SJR) average # of weighted citations received in a year # of documents published in previous 3 years <p>Citations are weighted – worth more or less – depending on the source they come from. The subject field, quality and reputation of the journal have a direct effect on the value of a citation. Can be applied to journals, book series and conference proceedings. Calculated by SCImago Lab (http://www.scimago.com) based on Scopus data.</p> |
|  SOURCE NORMALIZED IMPACT PER PAPER (SNIP) journal's citation count per paper citation potential in its subject field <p>The impact of a single citation will have a higher value in subject areas where citations are less likely, and vice versa. Stability intervals indicate the reliability of the score. Smaller journals tend to have wider stability intervals than larger journals. Calculated by CWT5 (http://www.journalindicators.com) based on Scopus data.</p> |  JOURNAL IMPACT FACTOR citations in a year to documents published in previous 2 years # of citable items in previous 2 years <p>Based on Web of Science data, this metric is updated once a year and traditionally released in June following the year of coverage as part of the Journal Citation Reports® JCR also includes a Five-Year Impact Factor.</p> |  PERCENTILE BENCHMARK (ARTICLES) compares items of same age, subject area # document type over an 18-month window <p>The higher the percentile benchmark, the better. This is available in Scopus for citations, and also for Mendeley readership and tweets. Particularly useful for authors as a way to contextualize citation counts for journal articles as an indicator of academic impact.</p> |
|  OUTPUTS IN TOP PERCENTILES extent to which a research entity's documents are present in the most-cited percentiles of a data universe <p>Found within Scopus, Outputs in Top Percentiles can be field weighted. It indicates how many articles are in the top 5%, 5%, 10% or 25% of the most cited documents. Quick way to benchmark groups of researchers.</p> |  SCHOLARLY ACTIVITY ONLINE # of users who added an article into their personal scholarly collaboration network library <p>The website How Can I Share It? links to publisher sharing policies, voluntary principles for article sharing on scholarly collaboration networks, and places to share that endorse these principles, including Mendeley, Figshare, SSRN and others. http://www.howcanishareit.com</p> |  SCHOLARLY COMMENTARY ONLINE # of mentions in scientific blogs and/or academic websites <p>Investigating beyond the count to actual mentions by scholars could uncover possible future research collaborators or opportunities to add to the promotion and tenure portfolio. These mentions can be found in the Scopus Article Metrics module and within free and subscription altmetric tools and services.</p> |



- Librarian Quick Reference Cards for Research Impact Metrics available at
- <https://libraryconnect.elsevier.com/articles/librarian-quick-reference-cards-research-impact-metrics>



Check out webinars on metrics on BrightTALK!

1. Analyze research programs and maintain your organization's structure in SciVal
<https://www.brighttalk.com/webcast/13819/317033>
2. Developing a Responsible Metrics statement
<https://www.brighttalk.com/webcast/13819/320677>
3. Understanding and utilising publication metrics to enhance research performance
<https://www.brighttalk.com/webcast/13819/262641>



Analyzing research performance using your university's organisational structure

Author Profile Generation

Scopus is the only database that implements algorithmic & systematic author disambiguation.



The most powerful algorithmic data processing in the industry

Groups papers a profile with high accuracy. Uses name, email, affiliation, subject area, citations, co-authors, etc.



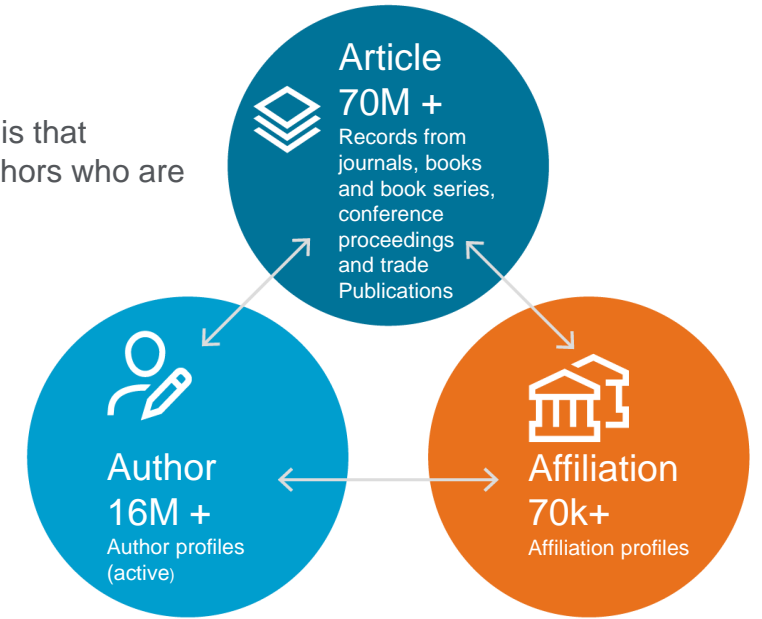
Author Feedback Wizard

Allows manual change requests to help perfect the author profiles

The Scopus Data Model

The **Scopus data model** is that **articles** are written by authors who are affiliated to institutions

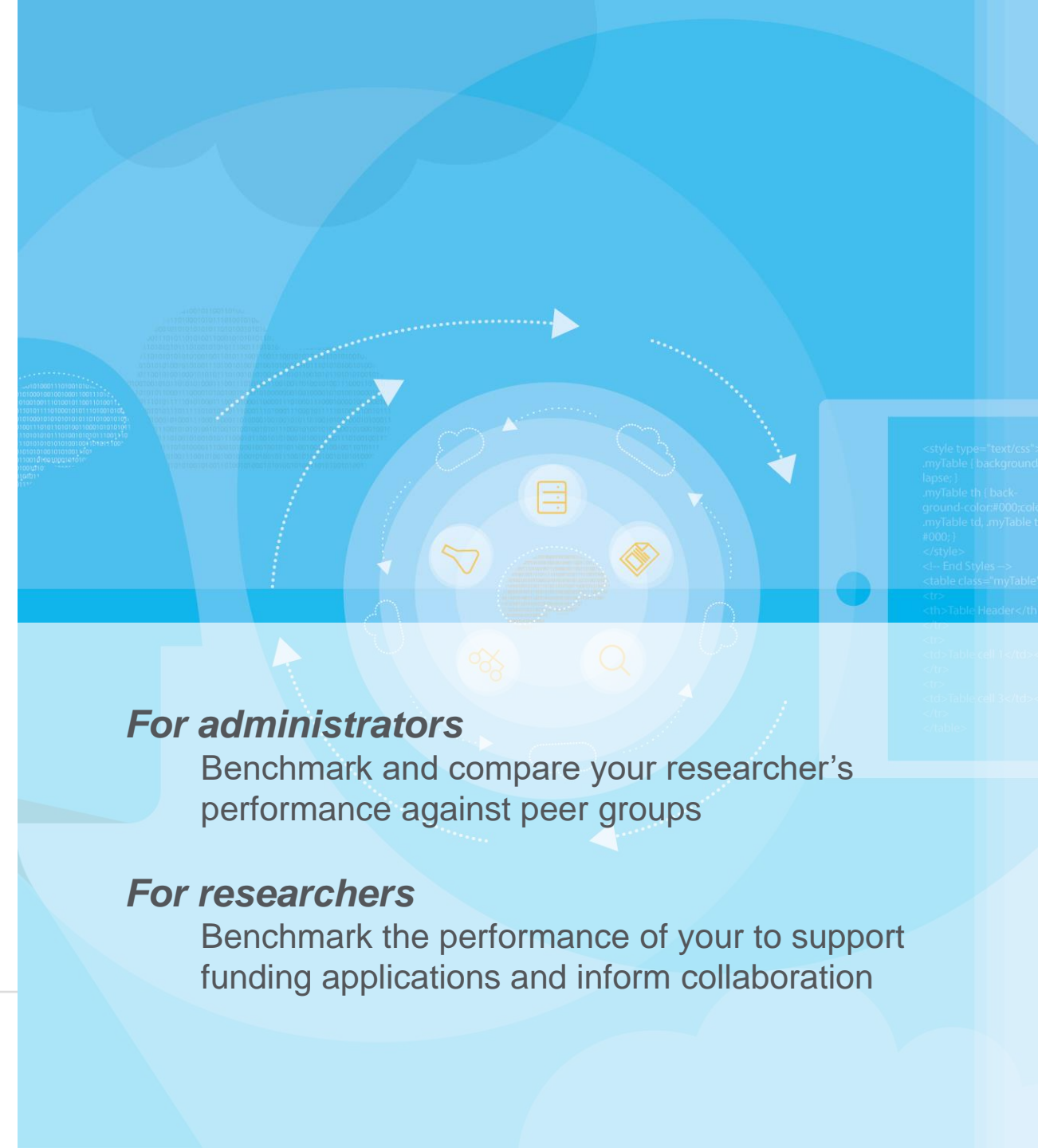
This relational data model means that **Scopus** can tell you who is researching what in global literature and where they are doing it with higher accuracy than anyone else.



Building your structure & hierarchies: 2 options

1. Transfer your structure and hierarchies from Pure to SciVal
2. Import your structure and hierarchies into SciVal with a spreadsheet

In both cases, users have a unified starting point for their analyses



Import Researchers and hierarchies using a spreadsheet

Data used to identify researcher

Data used to put the researcher in a hierarchy

| Author | Name variants | Affiliation | EIDs | DOIs | PMIDs | Title | ISSN/Volume/Issue/Pa | Scopus Author ID | ORCID | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | L |
|------------------|---------------|-------------------------|-----------|------|-------|---|---|------------------|---------------------|-------------------------|----------------------|----------|---------|---------|---------|---|
| Colledge, Lisa | Colledge, L. | Oxford University | 2-s2.0- | | | Project Snowball Sharing data for cross- | 18770509/33//297-300 1389130/92/2/367- | | | Top Researchers | | | | | | |
| Kamalski, Judith | Kamalski, J | Utrecht University | 800517442 | | | | | | | Top Researchers | | | | | | |
| Heeman, Frans C. | | | | | | | | 6505857281 | | | | | | | | |
| Neal, David | | University of Cambridge | | | | Synthetic lethality between androgen | | | | University of Cambridge | Department of Cancer | Medicine | | | | |
| Darroch, Peter | | | | | | | | | 0000-0002-0852-8569 | Top Researchers | | | | | | |

- We've split the spreadsheet so it's clear what data is used to identify the researchers and what's used to put them in a hierarchy
- Tips:
 1. If a valid Scopus Author ID or ORCID is present, all other data is ignored
 2. Multiple valid Scopus Author IDs given for a researcher will result in a merge request to Scopus (if not already done)
 3. The order of the columns does not matter. The spelling does!
 4. If no affiliation is given, the home institution of the user will be used
 5. In most cases, only a researcher with a valid Scopus author ID or ORCID provided will result in a direct match, unless more specific information is given

Matching researchers with Scopus author profiles

Import Researchers

1. Upload file or paste IDs

2. Refine authors

3. Organize and save

707 matched authors

will be directly imported into SciVal.

[Learn more](#)

| Author ↑ | Publications |
|--------------------------|--------------|
| Abdel-Latif, Ahmed | 1 |
| Abisambra, Jose F. | 31 |
| Absher, Kimberly J. | 10 |
| Abu Jawdeh, Elie G. | 4 |
| Adkins, Brian | 5 |
| Ahmed, Sadiq | 1 |
| Ain, Kenneth B. | 81 |
| Akafuah, Rhoda Adwoba | 1 |
| Albuquerque, Romulo J.C. | 23 |
| Alhajeri, Abdunnasser | 12 |
| Alilain, Warren J. | 18 |
| Allen, Tim | 3 |
| Ambrose, Charles T. | 26 |
| Anaya, Paul | 10 |

18 suggested authors

can be imported into SciVal after refinement or by dragging the most relevant profile to the left.

[Learn more](#)

| Author | Match Confidence ↓ |
|---------------------|---------------------------------|
| Jones, Davy | <div></div> |
| DiPaola, Robert S | <div></div> |
| Le... | <div><div>98.6%</div></div> |
| Mi... | <div></div> |
| Ra... | <div></div> |
| Morris, Peter E | <div></div> |
| Martin, Catherine A | <div></div> |
| Webb, Nancy R | <div></div> |
| Lin, Yiwei | <div></div> |
| McCarthy, John J | <div></div> |
| St Clair, William H | <div></div> |
| Walker, Janet L | <div></div> |
| Wong, Lesley | <div></div> |
| Gong, Ming Cui | <div></div> |

1 author not found

and will not be imported into SciVal.

[Learn more](#)

| Author ↑ |
|-----------------------|
| Briggs, Alissa C |

[< Previous step](#)

[Import researchers >](#)

[Organize groups >](#)

Refine the profiles

Refine authors

1. Select

2. Validate publications (optional)

3. Save Researcher

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

| <input type="checkbox"/> | Author | Match Confidence  | Publications | Subject Area | Affiliation | Country |
|--------------------------|---|--|--------------|---|------------------------------------|---------------|
| <input type="checkbox"/> | DiPaola, Robert S. Dipaola, Robert S. DiPaola, Robert Dipaola, R. S. DiPaola, R. S. Dipaola, Robert Show recent publications | 98.6% | 160 | Chemistry, Biochemistry, Genetics and Molecular Biology, Neuroscience, Medicine, Agricultural and Biological Sciences, Pharmacology, Toxicology and Pharmaceuticals, Immunology and Microbiology, Dentistry, Health Professions, Multidisciplinary, Engineering | University of Kentucky | United States |
| <input type="checkbox"/> | Di Paola, Robert S. Di Paola, R. S. | 60.7% | 2 | Medicine, Pharmacology, Toxicology and Pharmaceuticals | The Cancer Institute of New Jersey | United States |

Directly go to Save Researcher >

Validate publications (optional) >

Hierarchies are visible in My SciVal

The screenshot displays the 'My SciVal' interface. The top navigation bar includes 'Overview', 'Benchmarking', 'Collaboration', 'Trends', 'Reporting', 'My SciVal' (highlighted), and 'Scopus'. A user profile for 'Chris James' is visible on the right. The left sidebar contains a 'Hide tags' button and a list of categories: 'Institutions and Groups', 'Researchers and Groups' (selected), 'Publication Sets', 'Countries and Groups', 'Topics and Research Areas', and 'Settings'. The main content area is titled 'Researchers and Groups' and features a search bar with the text 'Type to filter'. Below the search bar is a toolbar with icons for 'Add to panel', 'Tags', 'Share', 'Edit', 'Delete', 'Export', and 'Add new'. The main display shows a hierarchical tree structure of research entities. The root level is 'AU' (Athena University), which is expanded to show 'Academic Colleges'. Under 'Academic Colleges', there are three sub-entities: 'AU Online', 'Biodesign Research Institute (BDRI)', and 'Administration - Biodesign Research Institute (BDRI)'. The 'Administration - Biodesign Research Institute (BDRI)' is further expanded to show a list of researchers: 'Addas, James J.', 'Carlton, Marilyn P.', 'Chuang, Yung', and 'Chenen, Qiang'. Each researcher entry includes a 'Shared' status icon. A help icon (?) is located in the bottom right corner.

SciVal

Overview Benchmarking Collaboration Trends Reporting My SciVal Scopus ↗ Chris James

Hide tags

Institutions and Groups

Researchers and Groups show ▼

Publication Sets

Countries and Groups

Topics and Research Areas

Settings

Researchers and Groups

Type to filter

Add to panel Tags ▼ Share Edit Delete Export ▼ + Add new ▼



Name Tags

- ▼ AU
 - ▼ Athena University
 - ▼ Academic Colleges
 - ▼ AU Online
 - ▼ Biodesign Research Institute (BDRI)
 - ▼ Administration - Biodesign Research Institute (BDRI)
 - Addas, James J. Shared
 - Carlton, Marilyn P. Shared
 - Chuang, Yung Shared
 - Chenen, Qiang Shared



What are the benefits of doing this?




1. Streamline your reporting & reduce your reliance on the ASJC filter

Institute of Aquaculture



2013 to 2017  no filter selected  ASJC [Data sources](#)

Overall research performance [+ Add to Reporting](#)

| | | |
|--|-------------|--|
| Scholarly Output  | Researchers | Field-Weighted Citation Impact  |
| 444 ▲ View list of publications | 35 ▲ | 1.66 |

2013 to 2017  Aquatic Science  ASJC [+ Add Summary to Reporting](#) [Export](#) 

Overall research performance [+ Add to Reporting](#)

| | | |
|--|-------------|--|
| Scholarly Output  | Researchers | Field-Weighted Citation Impact  |
| 160 ▲ View list of publications | 31 | 1.54 |

What are the benefits of doing this? (continued)

2. View Topics for your team in SciVal Overview
3. Also works for groups and centres from more than one institution and can be shared with colleagues!

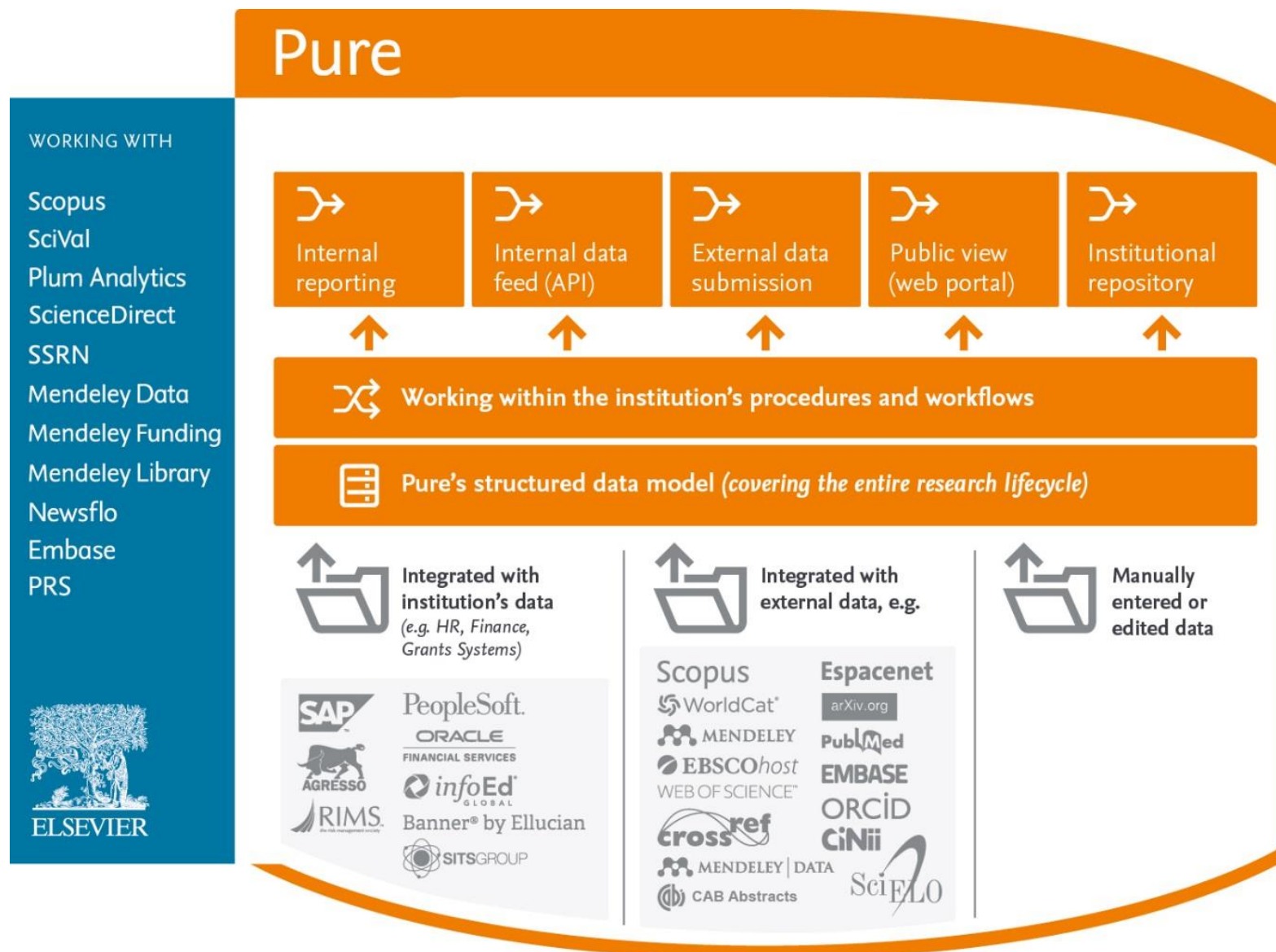




3. Managing research process with an eye on international visibility: Pure and UK cases

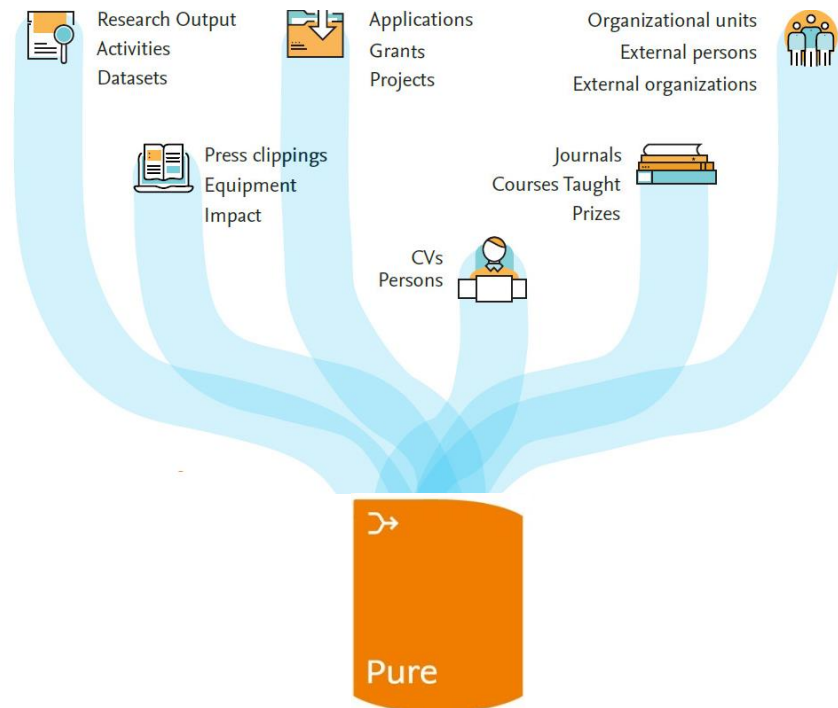


Pure is a research information management system



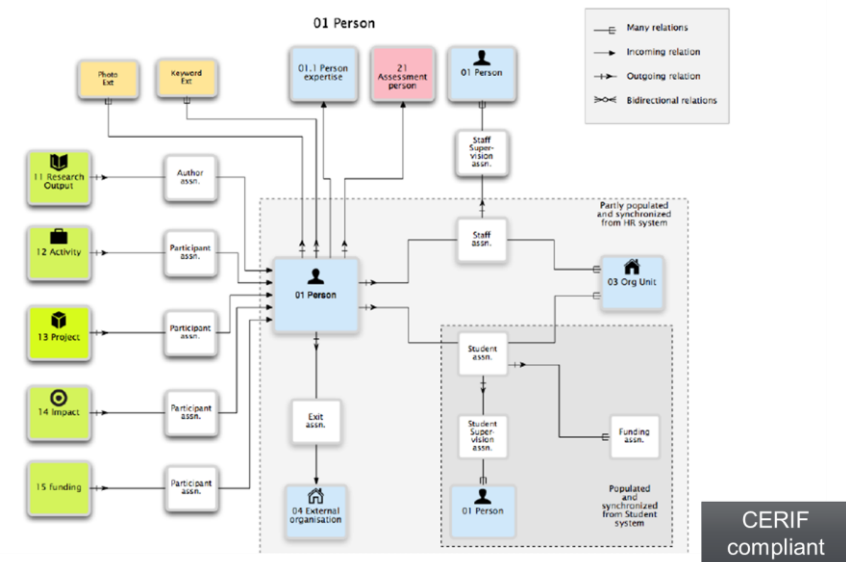
A comprehensive, but structured data model...

A data model covering the full research lifecycle...



...while being highly structured for maximum insights

(subset of data model shown)



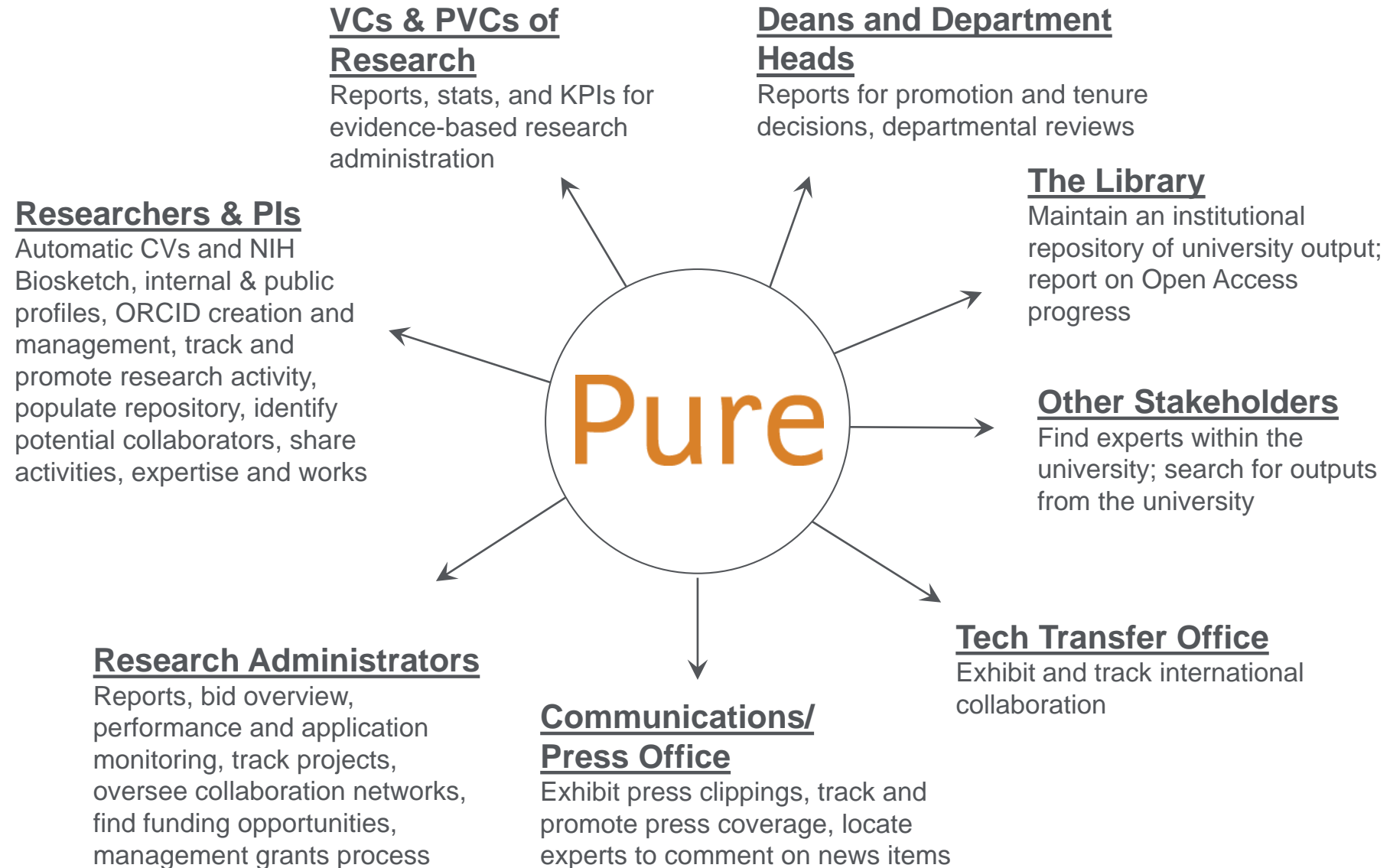
(not comprehensive – some examples)



Dataset



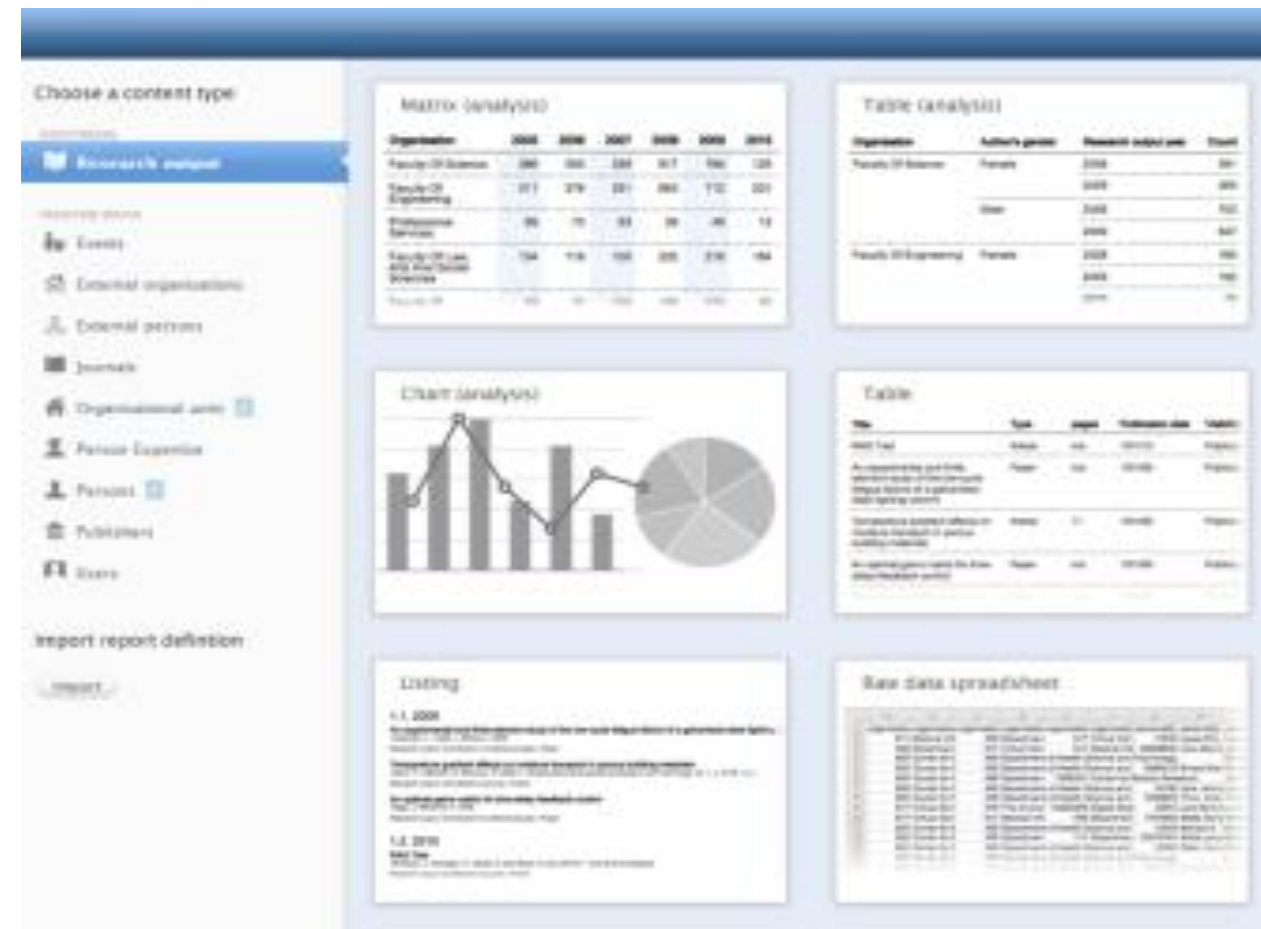
How is Pure being used by institutions in UK?



Generate and share insightful reports

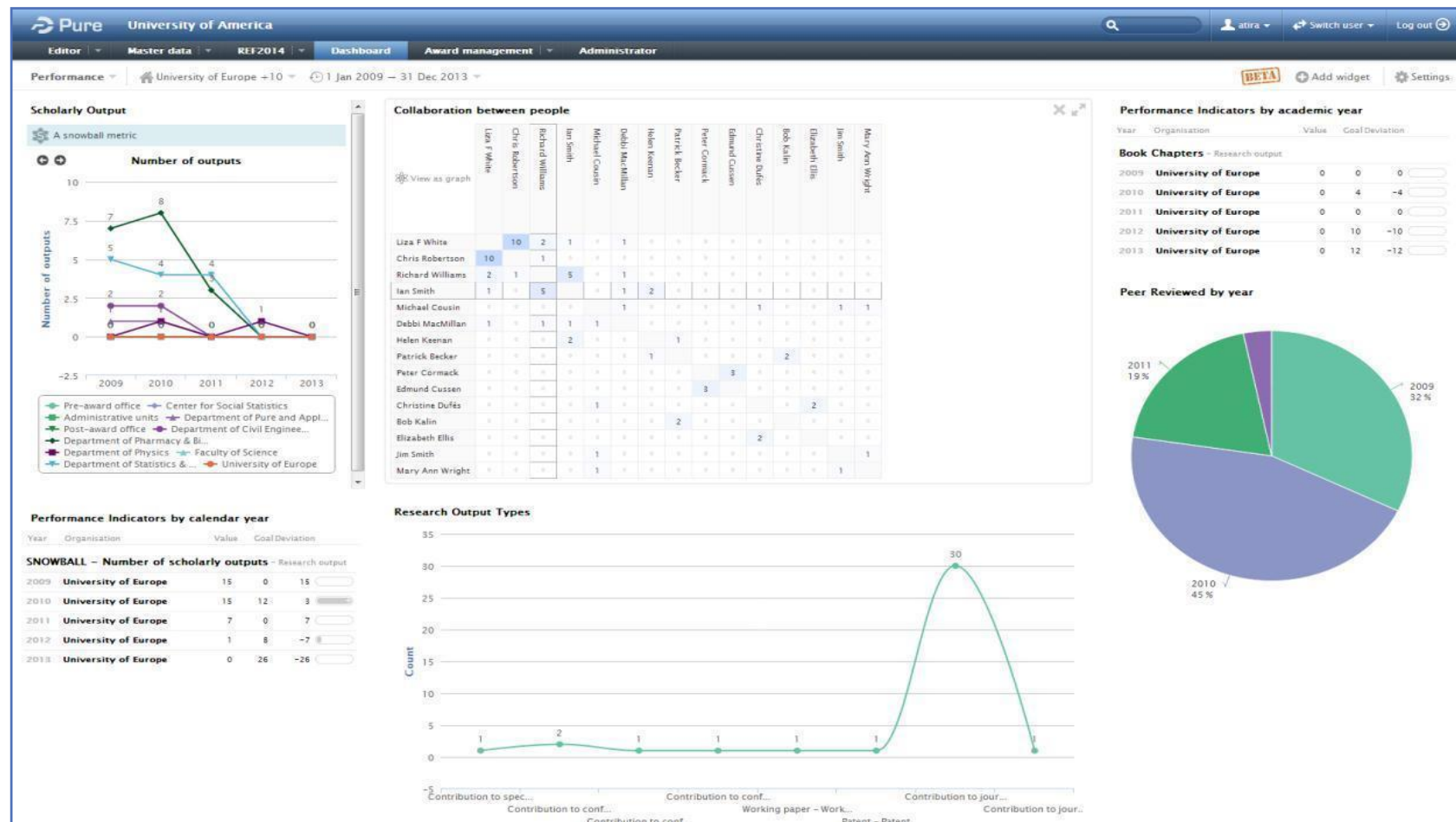
Generate and distribute validated internal intelligence to accelerate promotion and tenure evaluations, departmental and institutional assessments, and other vital requirements

- **Pre-defined and advanced report creation capabilities on all Pure content**
- **Schedule** reports to automatically run and be sent to a predefined distribution list
- **Apply targets** to departments for predetermined research performance indicators such as Snowball Metrics via Pure's research intelligence capabilities, then track and monitor them through dashboards



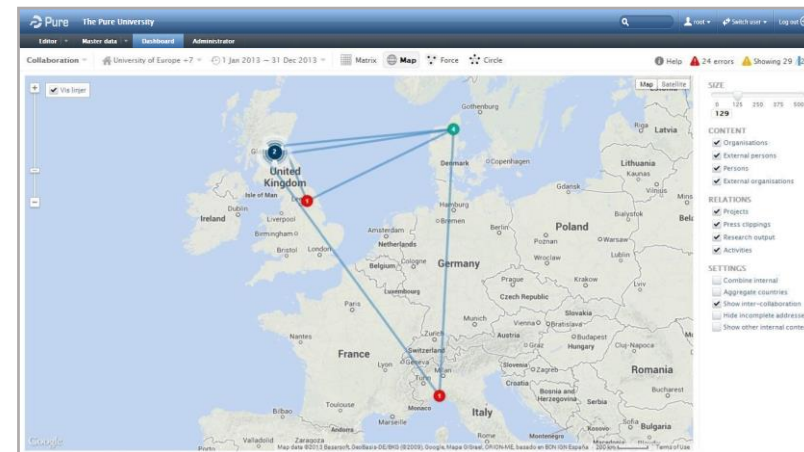
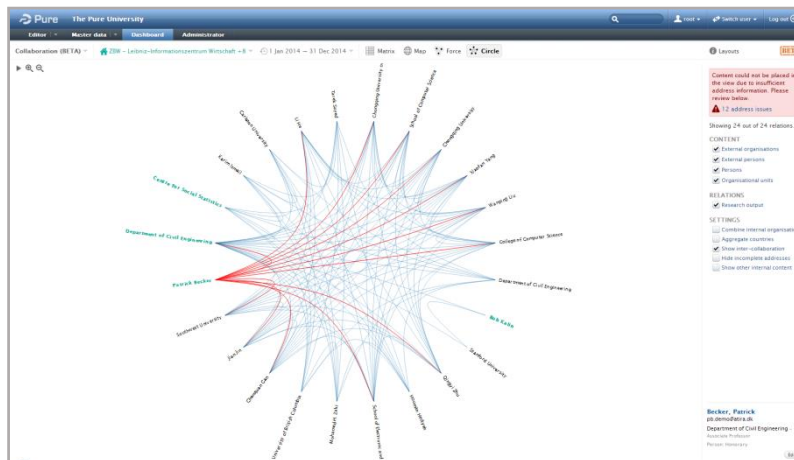
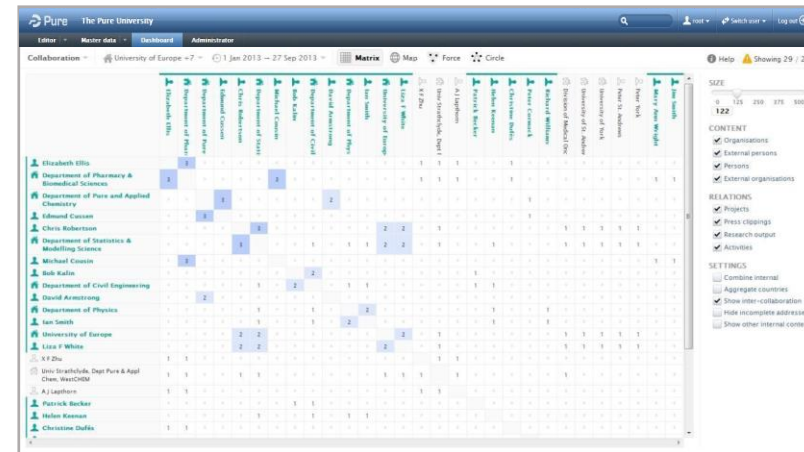
View live progress at-a-glance

- Dashboards can be **personalized, shared and used for monitoring and reporting**
- **User controls** ensure that only data relevant to the user are visible

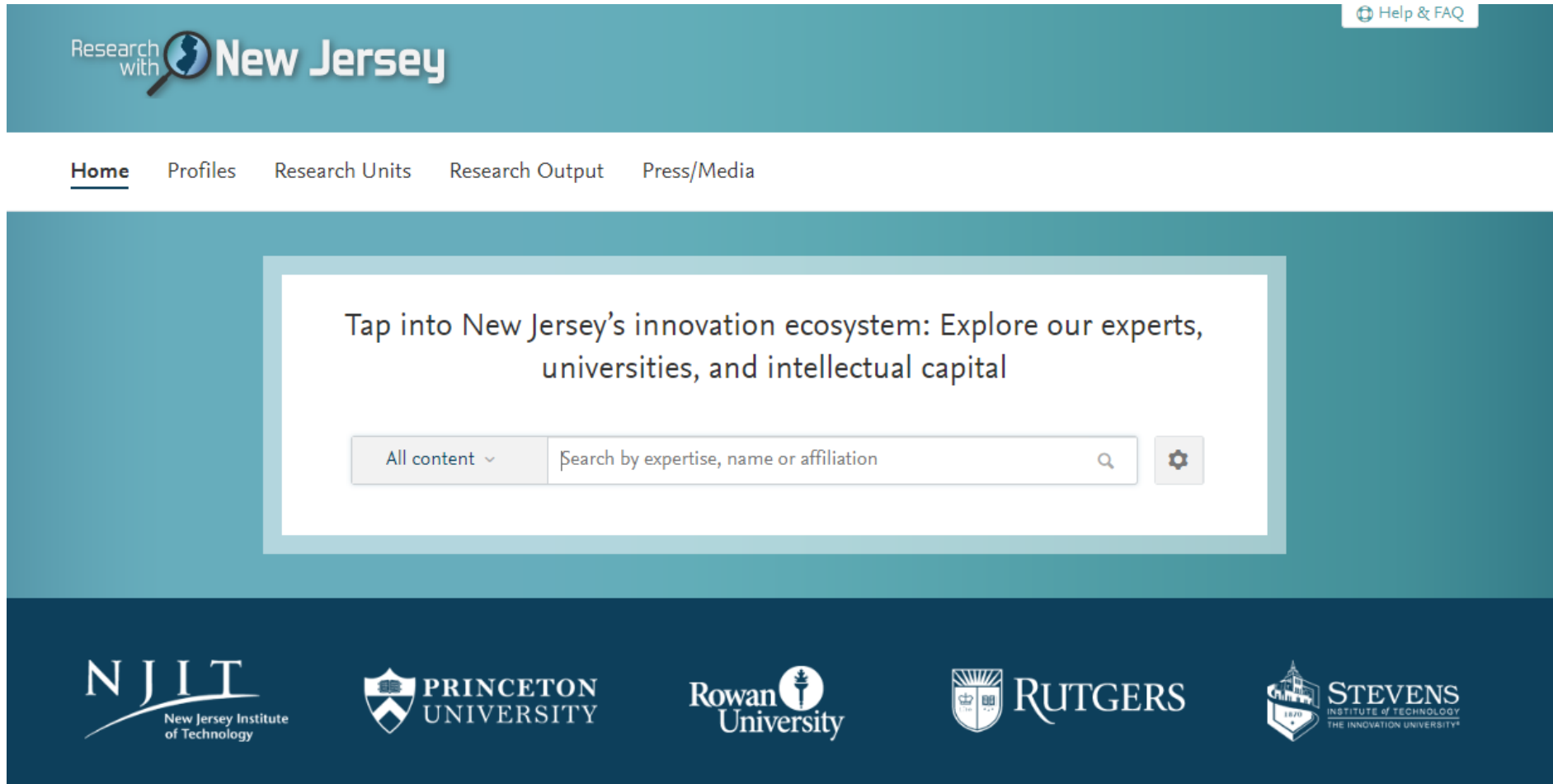


Analyze collaboration networks

Pure visualizes the relationships between each researcher and their collaborators, including co-authors of applications or publications as well as partners on projects



Make your research output more discoverable




The screenshot displays the 'Research with New Jersey' website. The header features the logo 'Research with New Jersey' on the left and a 'Help & FAQ' link on the right. Below the header is a navigation menu with links for 'Home', 'Profiles', 'Research Units', 'Research Output', and 'Press/Media'. The main content area has a teal background with a white box containing the text: 'Tap into New Jersey's innovation ecosystem: Explore our experts, universities, and intellectual capital'. Below this text is a search bar with a dropdown menu set to 'All content', a search input field with the placeholder text 'Search by expertise, name or affiliation', a search icon, and a settings icon. The footer is a dark blue bar containing the logos of five institutions: NJIT (New Jersey Institute of Technology), Princeton University, Rowan University, Rutgers, and Stevens Institute of Technology (The Innovation University).




Visit <https://www.researchwithnj.com/>

Create public profiles of researchers & departments

**KOREA**
UNIVERSITY

research profiles

[Home](#) [Profiles](#) [Research Units](#) [Research Output](#)




Jung Keun Ahn
Department of Physics

E-mail
ahnjk@korea.ac.kr


[View Scopus Profile](#)

4129
Citations

26
h-Index





[Overview](#) [Fingerprint](#) [Network](#) [Research Output \(124\)](#) [Similar Profiles \(4\)](#)


**Fingerprint**


Fingerprint is based on mining the text of the persons scientific documents to create an index of weighted terms, which defines the key subjects of each individual researcher.


4
Similar Profiles


 Experiments
ENGINEERING & MATERIALS SCIE...


 Photons
ENGINEERING & MATERIALS SCIE...


 Detectors
ENGINEERING & MATERIALS SCIE...

 Protons
ENGINEERING & MATERIALS SCIE...

 Cross Sections

 Decay

 Photoproduction

 Scattering

Reuse Pure data elsewhere in your systems

HOUSTON
Methodist
LEADING MEDICINE

Contact Us MyChart/Patient Portal International Patients Giving Careers

Find a Doctor Schedule An Appointment Search Houston Methodist

For Patients Services & Specialties For Health Professionals **Research** Education Locations


FACULTY DIRECTORY

Houston Methodist is privileged to employ some of the world's most experienced, talented and dedicated researchers. They are working together to uncover medical advances that will improve patient care for decades to come.

Search Browse A-Z

A B C D E F G H I J K L M N O P Q R S T U
V W X Y Z

Showing 1-10 of 25 investigators Clear filters




James Abbey, PhD
Assistant Affiliate Member, Research Institute
Houston Methodist

Areas of Interest:

- Nanotechnology
- Biologics
- Chemistry
- Therapeutics

VIEW PROFILE >

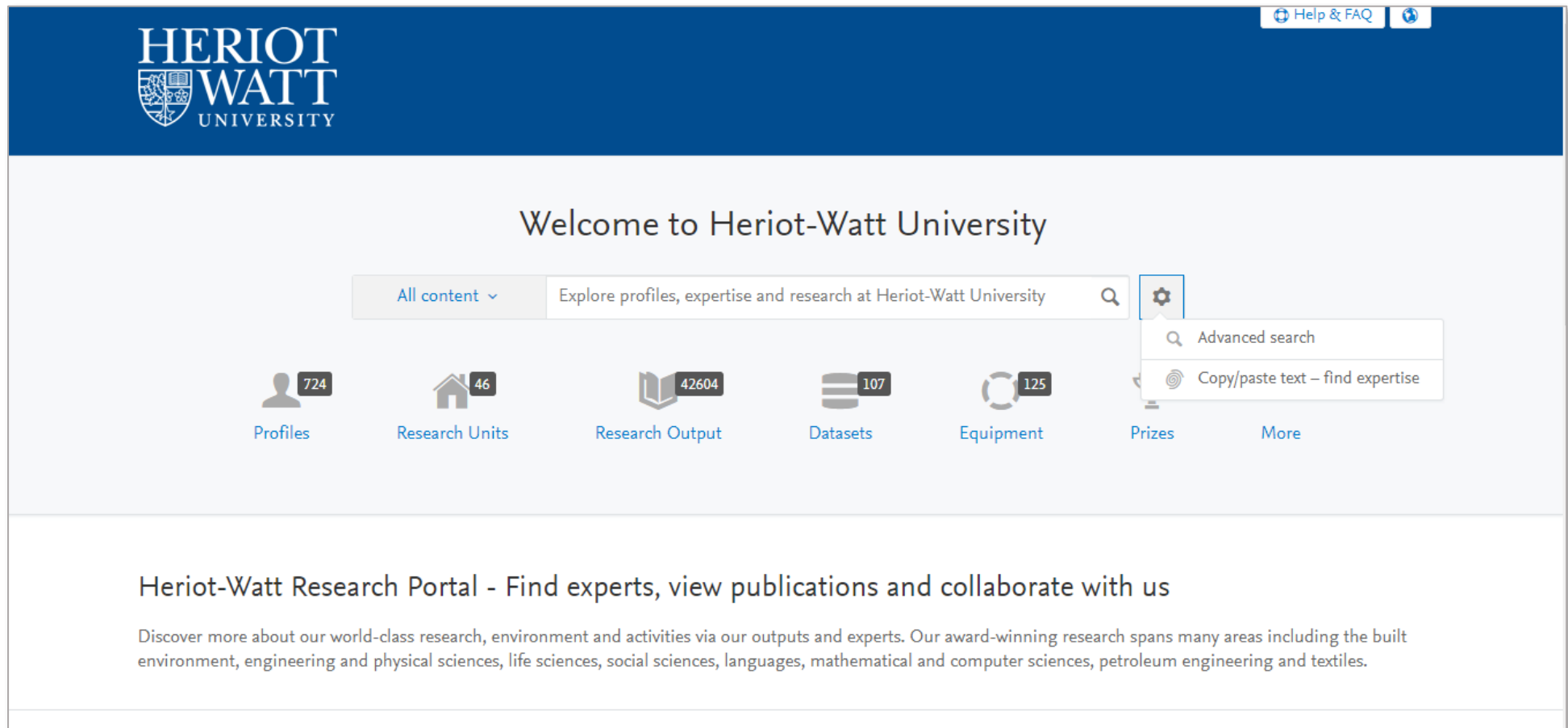


Mohamad Abdalla, MD

Information
pulled from Pure
through Web
Services (API)

Find the relevant experts

Copy-paste the relevant text into the Pure Portal, apply Elsevier's fingerprint technology (using semantic technology and field-of-research specific vocabularies), and...



The screenshot shows the Heriot-Watt University Research Portal. At the top is a blue header with the Heriot-Watt University logo and a 'Help & FAQ' link. Below the header, the text 'Welcome to Heriot-Watt University' is centered. A search bar is present with the placeholder text 'Explore profiles, expertise and research at Heriot-Watt University'. To the left of the search bar is a dropdown menu labeled 'All content'. Below the search bar, there are six icons representing different categories: Profiles (724), Research Units (46), Research Output (42604), Datasets (107), Equipment (125), and Prizes. A 'More' link is also visible. A dropdown menu is open next to the search bar, showing options for 'Advanced search' and 'Copy/paste text – find expertise'. At the bottom, there is a section titled 'Heriot-Watt Research Portal - Find experts, view publications and collaborate with us' with a paragraph of text describing the portal's purpose.

HERIOT WATT UNIVERSITY

Help & FAQ

Welcome to Heriot-Watt University

All content ▾ Explore profiles, expertise and research at Heriot-Watt University 🔍 ⚙️

🔍 Advanced search

🔍 Copy/paste text – find expertise

724 Profiles 46 Research Units 42604 Research Output 107 Datasets 125 Equipment Prizes More

Heriot-Watt Research Portal - Find experts, view publications and collaborate with us

Discover more about our world-class research, environment and activities via our outputs and experts. Our award-winning research spans many areas including the built environment, engineering and physical sciences, life sciences, social sciences, languages, mathematical and computer sciences, petroleum engineering and textiles.

Find the relevant experts (continued)

...Pure suggests experts, based on fingerprinting of all their research output (not just their departmental affiliation)

Search concepts

☒ Photonic Devices

☒ Photonic Crystals

☒ Photonics

☒ Optical Switching

☒ Photonics

Profiles (29)

Research Units (6)

Research Output (234)

Prizes (2)

1 - 25 out of 30 results

Relevance ▾



Showing results for photonics as a concept ⓘ

Did you want to search for photonics as free text?



Robert R. Thomson

r.r.thomson@hw.ac.uk

School of Engineering & Physical Sciences -
Professor

Edinburgh Research Partnership in Engineering -
Professor
- Professor

2005 2018

39 matches



Ajoy Kumar Kar

A.K.Kar@hw.ac.uk

School of Engineering & Physical Sciences -
Professor

School of Engineering & Physical Sciences,
Institute of Photonics and Quantum Sciences -
Professor

- Professor

Research Pools at Heriot Watt University, Scottish
Universities Physics Alliance (SUPA) - Professor

1980 2018

23 matches



John C. Travers

J.Travers@hw.ac.uk

School of Engineering & Physical Sciences -
Associate Professor

School of Engineering & Physical Sciences,
Institute of Photonics and Quantum Sciences -
Associate Professor

2012 2018

19 matches



Andrew John Waddie

A.Waddie@hw.ac.uk

School of Engineering & Physical Sciences -
Research Associate

School of Engineering & Physical Sciences,
Institute of Photonics and Quantum Sciences -
Research Associate

Edinburgh Research Partnership in Engineering -
Research Associate
- Research Associate

1996 2018



Julian David Clayton Jones

J.Jones@hw.ac.uk

School of Engineering & Physical Sciences - Vice
Principal

- Vice Principal

Research Pools at Heriot Watt University, Scottish
Universities Physics Alliance (SUPA) - Vice
Principal

Edinburgh Research Partnership in Engineering -
Vice Principal

Research Centres and Themes, Energy Academy -
Vice Principal



Mohammed Fathy Saleh

M.Saleh@hw.ac.uk

School of Engineering & Physical Sciences - Royal
Society of Edinburgh Research Fellow

School of Engineering & Physical Sciences,
Institute of Photonics and Quantum Sciences -
Research Fellow

Research Pools at Heriot Watt University, Scottish
Universities Physics Alliance (SUPA) - Research
Fellow

2007 2018

14 matches

UK REF – Pure



- In the United Kingdom c.40 different institutions are Pure customers, including 33 % of Russell Group institutions
- Over 65% of UK Pure users ranked in the top 50 institutions for the REF2014
- Dedicated REF2021 allows users to create all submission content and Manage elements of the submission process
- REF OA Monitoring helps institutions monitor their compliance and exception rates

REF OA monitoring: Overall compliance summary

| Grouping: Managing organisation ▼ | | | | | | | | Views | |
|---|---------------------------|---------------|-----------|-------------------------------|---|------------------|-----------------|----------------|--|
| Name | Outputs subject to policy | Indeterminate | Compliant | Compliant (exception applies) | NOT compliant - confirm exception applicability | Not REF eligible | Compliance rate | Exception rate | |
| Department of Computer Science | 4 | 1 | 1 | 1 | 1 | 0 | 50% | 50% | |
| Department of Library and Information Science | 9 | 7 | 0 | 0 | 2 | 0 | 0% | 0% | |
| Department of Politics | 2 | 1 | 1 | 0 | 0 | 0 | 50% | 0% | |
| Total (# unique outputs) | 15 | 9 | 2 | 1 | 3 | 0 | 20% | 33% | |



For more information please visit <https://www.elsevier.com/solutions/pure/ref2021>



4. Summary & Additional information



Summary (1 of 2)

1. SciVal is now being used by a wide variety of users in UK universities, not just a handful of bibliometricians or analysts.
 - it helps Academics identify potential collaborators, emerging areas of research and to make informed decisions about where to publish.
 - it is a trusted benchmarking tool for Research Leaders
 - It supports Librarians in discussions about publication strategy and open access publishing.
2. SciVal customers receive first class support from knowledgeable Customer Consultants at no additional cost
 - this includes onboarding training, workshops with Faculties/Schools, coaching and train-the-trainer sessions.
 - In the UK hold an annual user group and several regional SciVal Adviser's programme intermediate/advanced training days.

Summary (2 of 2)

3. Pure is helping UK universities manage their research lifecycle more efficiently, demonstrate compliance and showcase their expertise to the outside world.

- A dedicated REF module helped customers prepare for REF2014 and the forthcoming REF2021 exercise.
- Whilst REF is important this is not the only reason customers buy Pure.

4. Customers with both Pure and SciVal use the integration between the products to speed up their workflows.

- Pure provides a rich internal view of the institution whilst SciVal enables external comparisons and benchmarking.
- The most up to date organisational structures, authors and publication sets can be pushed from Pure to SciVal.

Metrics resources


- Research Metrics Guidebook

https://www.elsevier.com/_data/assets/pdf_file/0020/53327/ELSV-13013-Elsevier-Research-Metrics-Book-r5-Web.pdf



- Librarian Quick Reference cards


<https://libraryconnect.elsevier.com/articles/librarian-quick-reference-cards-research-impact-metrics>



FIELD-WEIGHTED CITATION IMPACT (FWCI)

of citations received by a document
expected # of citations for similar documents

Similar documents are ones in the same discipline, of the same type (e.g., article, letter, review) and of the same age. An FWCI of 1 means that the output performs just as expected against the global average. More than 1 means that the output is more cited than expected according to the global average; for example, 1.48 means 48% more cited than expected.



Still need more information?

- Please visit Elsevier's stand to solve additional questions and receive instructions on how to try SciVal and Pure during the Conference
- Visit Elsevier's Research Intelligence pages <https://www.elsevier.com/en-gb/research-intelligence>
 - Case studies <https://www.elsevier.com/research-intelligence/case-studies>

Thank you

