



# Scopus product update & roadmap

Q&A and feedback

Dr. Wim Meester  
Director of Product Management, Scopus

27 August 2019, Leibniz Universität Hannover



# Today's agenda

- Germany's scholarly output performance
- Scopus content selection and coverage
- Scopus product strategy
- Roadmaps
- Questions and feedback

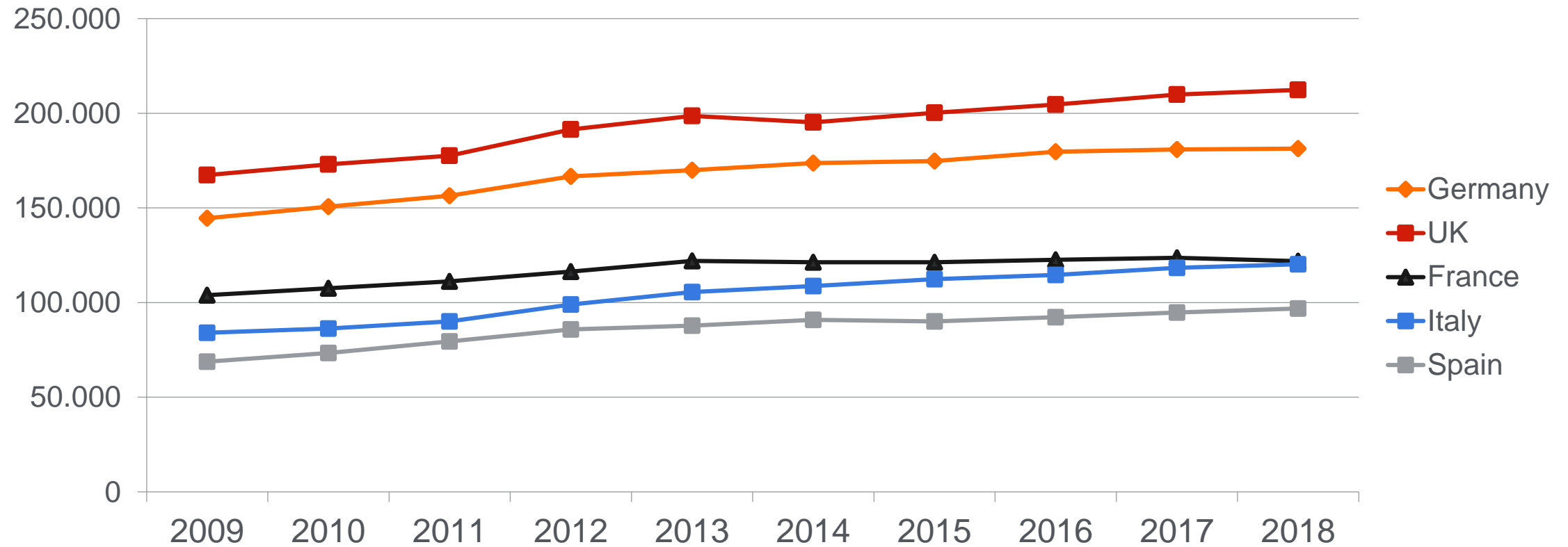


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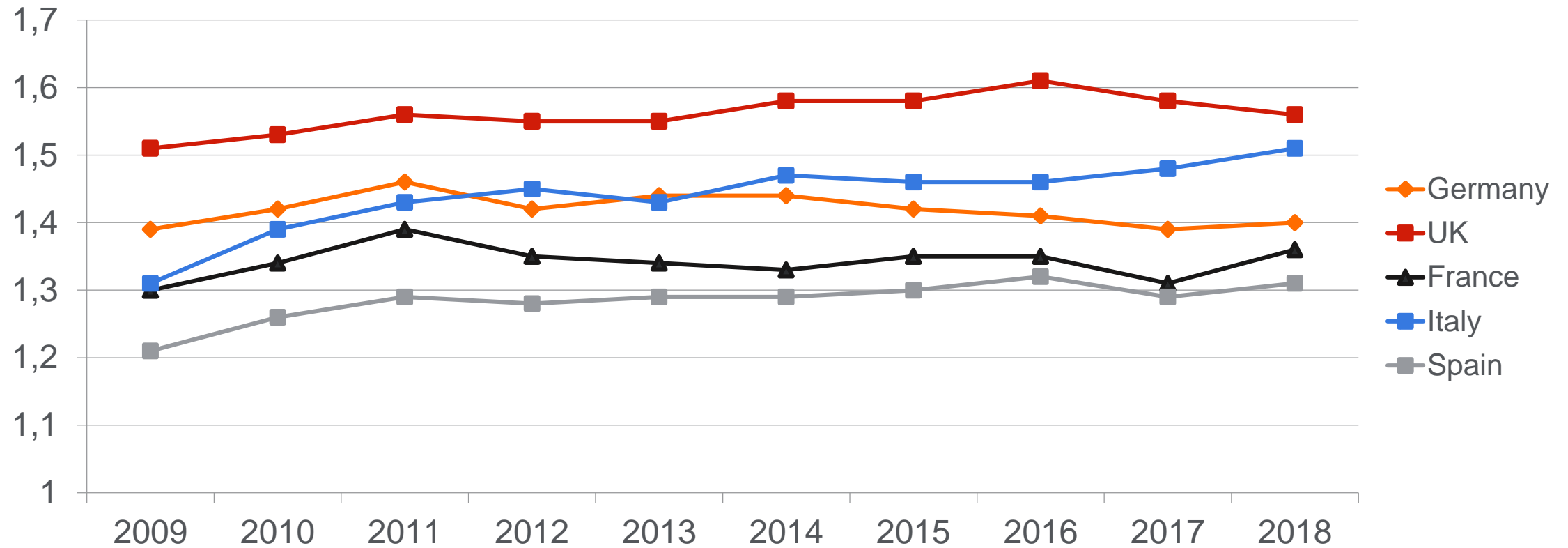
# Germany scholarly output performance



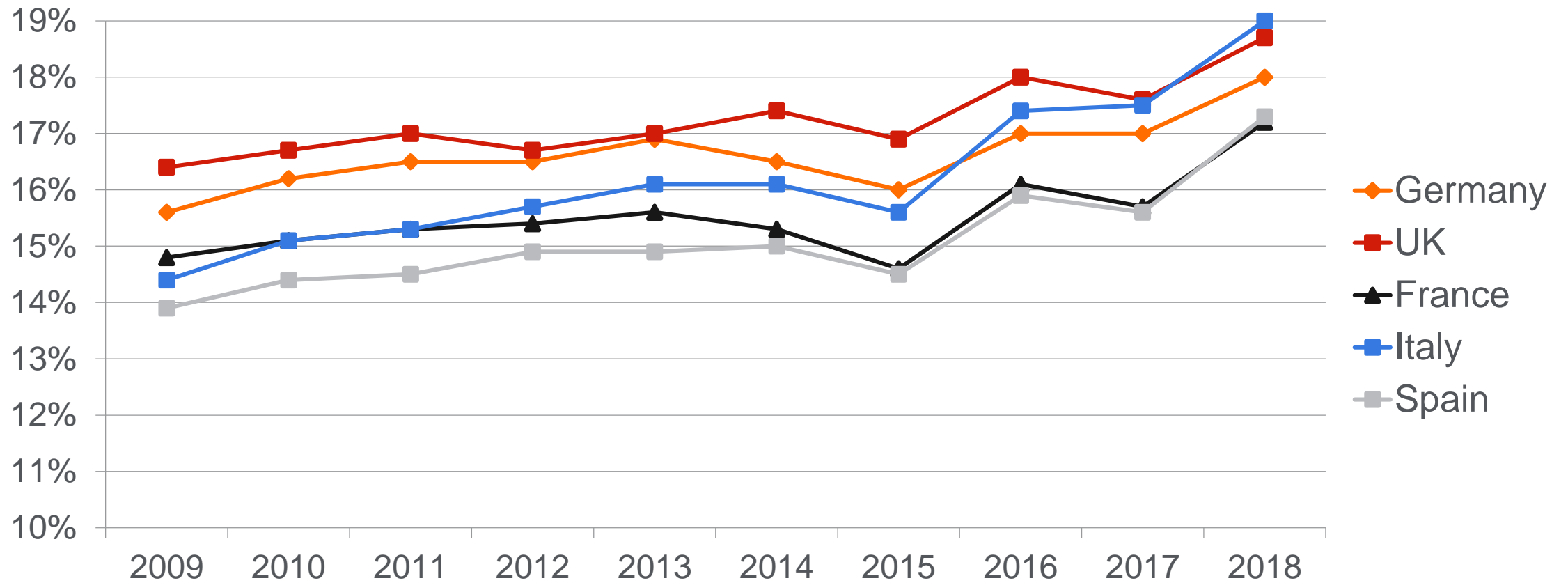
# Scholarly output for top 5 EU countries



# Field Weighted Citation Impact (FWCI)



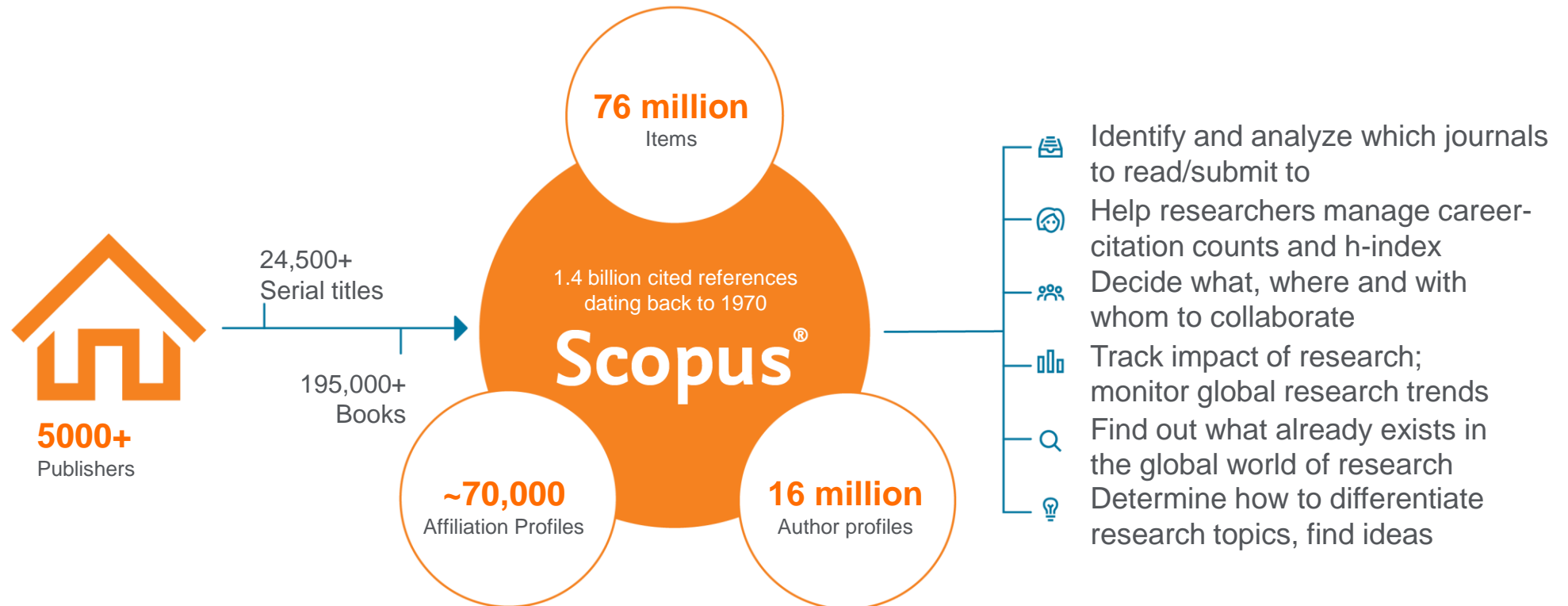
# Output in top 10 citation percentile (%)



Source: **Scopus** and **SciVal** data (May 2019)

# Scopus is the largest abstract and citation database of peer-reviewed literature

and features smart tools that allow you to track, analyze and visualize scholarly research.



Scopus delivers a comprehensive view on the world of research.  
No packages, no add-ons. One all-inclusive subscription.



Scopus content coverage





# Coverage of high quality journals via selection by the independent Content Selection & Advisory Board (CSAB)



The CSAB is an independent board of subject experts from all over the world

- Titles are selected by the independent Content Selection & Advisory Board (CSAB)
- The CSAB is chosen for their expertise in specific subject areas; many have (journal) Editor experience

# Global Representation means global discovery

## *Across all subjects and content types*

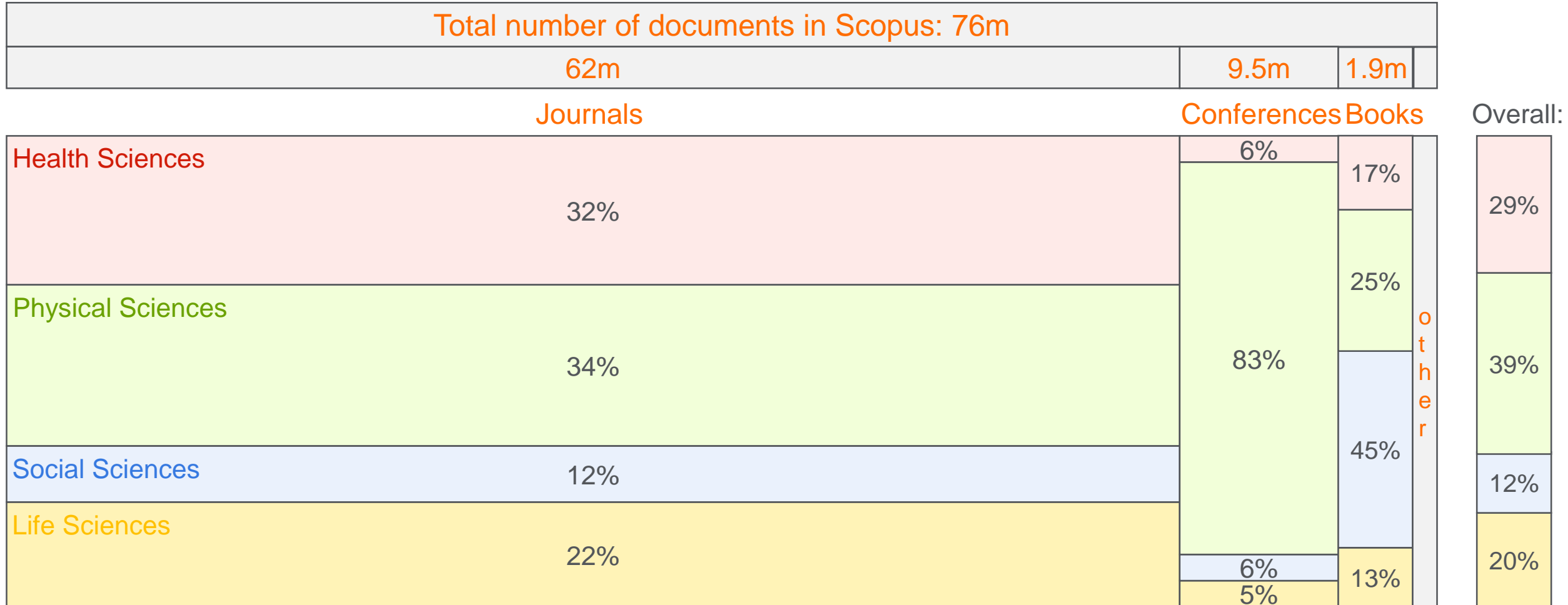
**Scopus includes content from more than 5,000 publishers and 105 different countries**

- 40 different languages covered
- Updated daily
- Multiple regional content types covered (journals, conferences, books, book series)

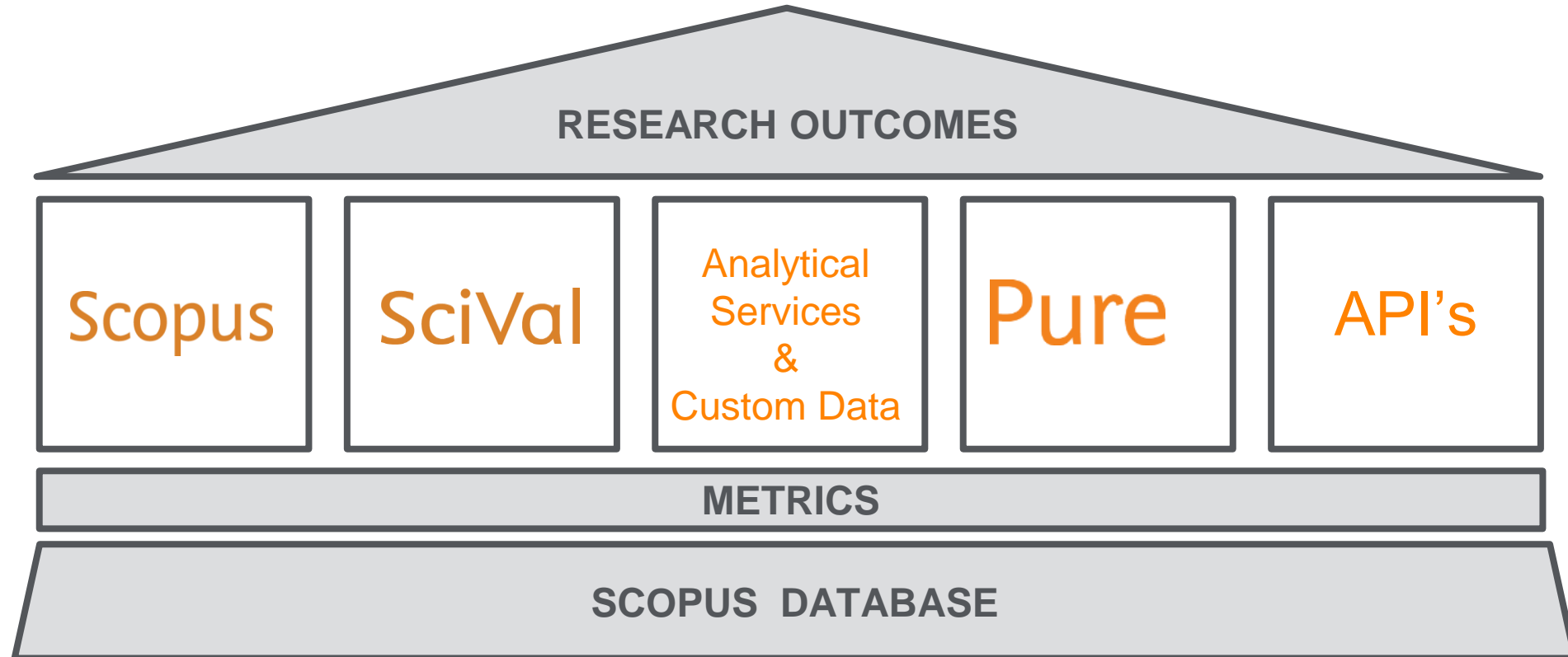
Number of active Journals by subject area	Journals	Conferences	Books
Physical Sciences 7,681	23,452 Peer-reviewed journals	119K Conference events	778 Book series
Health Sciences 6,943	290 Trade journals	9.5M Conference papers	40K Volumes
Social Sciences 9,530	5,029 Active Gold Open Access journals		1.7M Items
Life Sciences 4,657	>8,000 Articles in Press		205,334 Stand-alone books
	Full metadata and abstracts. Cited references back to 1970.	Mainly Engineering, Maths, Physics and Computer Sciences	Mainly Social Sci. and Arts & Humanities



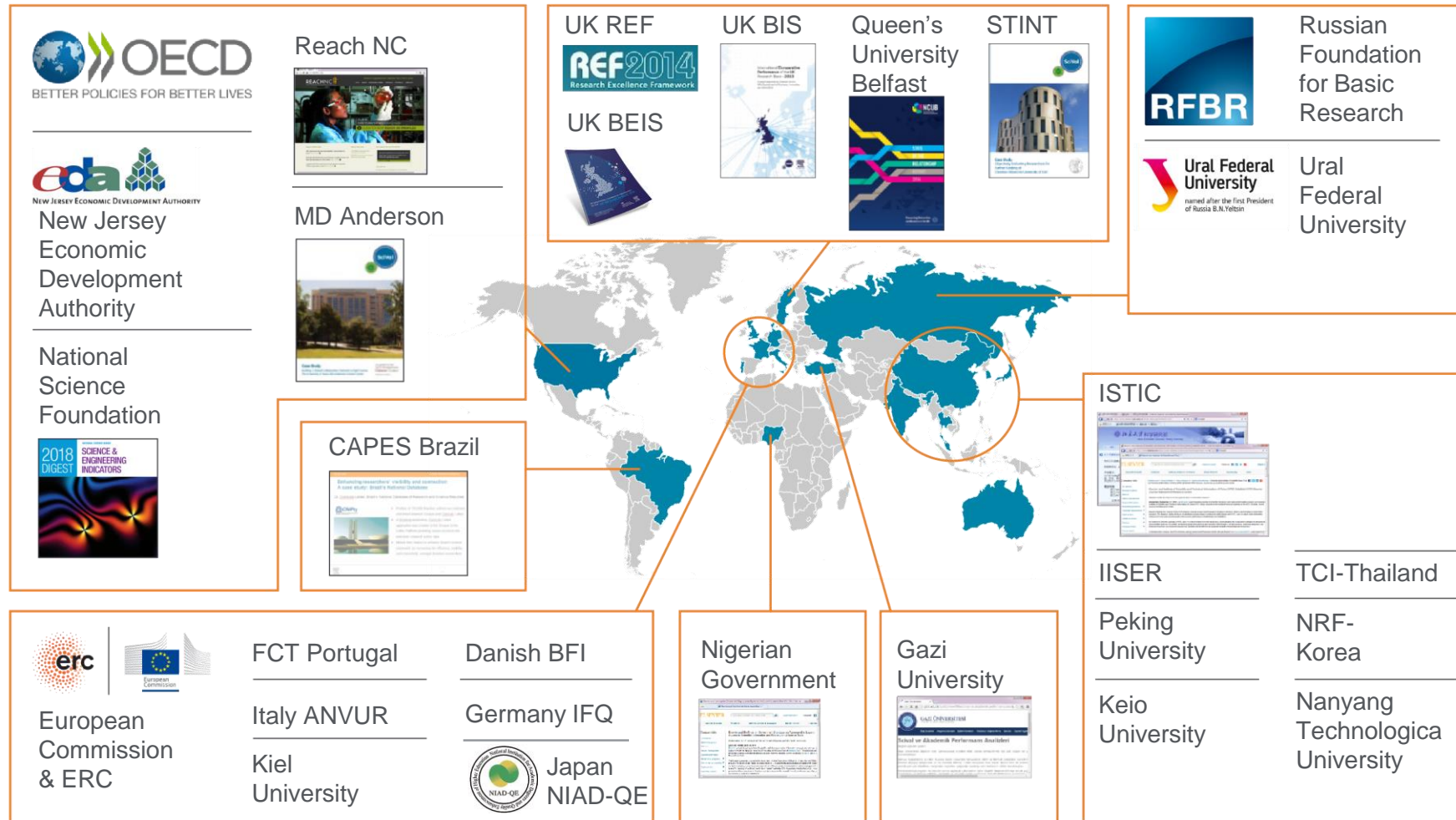
# Scopus content coverage by source type and subject area



# Scopus data and “data delivery” methods for users to get to it



# Globally used in research assessment by over 5,000 organizations and 150 funding & assessment bodies



Rankings:





# Scopus product strategy



# Testimonies

**Content coverage:** In STEM preference for SciVal / Scopus (fields well covered). For **arts and humanities** refer to Google Scholar (important content types missing (eg. **more books**)). Some countries (eg. Indonesia) **local non-English content** coverage is needed.

**Quality of knowledge aggregation & integration: is important.**

Dimensions is indexing everything available; some can be trusted and some cannot be trusted.

Google Scholar contains all kinds of info (magazine articles, not deduplicated).

**Org profiles:** correct tree to faculty / school level is important. **Curation** and **Q/A capacity** so content is certified quality is important.

**Author Profiles:** profile **IDs** are important. **Pre-populated** accurate profiles are important. Easy correction of profiles is important. GS has no **Q/A**, open to abuse.

**Grants / funding data:** “would be fantastic”. “Would use for strategic recruitment”, “indicator of future performance”, “Useful”. **Linking** of grants to publications is important.

**‘Grey literature’ (non-traditional content):** Interesting but current selection criteria constraints what gets into Scopus. **Quality is more important than coverage. Link to impact / application is needed** (eg. policy documents, patent citations) **Early indicators** of work needed for some use cases (eg. preprints / working papers)

**APIs:** when used, very valuable. SC preferred to WoS API (limited capability or paid). GS has no API - no access to level of data detail needed. **Ease of mass download capability** is important.

**Dimensions:** getting a few things very right e.g. using **open standards**. “...they know we need this”. “Useful info is on **grants**”. “Reluctant to pay for Dimensions for now, but probably will soon”. **Linking** to other content types highlighted..

**Other:** Integrating green **OA**. Organize content by **topics** (eg. SDG, FOR in Australia). Link articles to **data sets**.

“Help the world of research make  
better decisions with confidence”



		Entities being evaluated					
		Country	Funder	Institution	Researcher	Journal	Article
Stakeholders doing the evaluation	National body	<ul style="list-style-type: none"> <li>Benchmark</li> </ul>	<ul style="list-style-type: none"> <li>Impact assessment</li> </ul>	<ul style="list-style-type: none"> <li>Rank institutions for funding/policy decision</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate researchers for tenure</li> </ul>		
	Ranking agency			<ul style="list-style-type: none"> <li>Ranking universities</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate researchers for ranking their universities</li> </ul>		
	Funding body	<ul style="list-style-type: none"> <li>Benchmark for strategy alignment</li> </ul>	<ul style="list-style-type: none"> <li>Benchmark performance</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate institutions for funding decision</li> </ul>	<ul style="list-style-type: none"> <li>Find reviewers</li> <li>Assess researcher for funding decision</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate for OA policy</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate/ showcase research impact</li> </ul>
	Institution-Research Leader			<ul style="list-style-type: none"> <li>Benchmark against other institutions</li> </ul>	<ul style="list-style-type: none"> <li>Find and recruit</li> <li>Benchmark performance</li> <li>Promotion/ award</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate content quality</li> <li>Where to publish</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate/showcase research impact</li> </ul>
	Researcher		<ul style="list-style-type: none"> <li>Find funding</li> </ul>	<ul style="list-style-type: none"> <li>Career/job opportunities</li> </ul>	<ul style="list-style-type: none"> <li>Find collaborator</li> <li>Benchmark against peers</li> </ul>	<ul style="list-style-type: none"> <li>Where to publish</li> <li>Showcase impact</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate articles to read</li> <li>Showcase impact</li> </ul>
	Publisher				<ul style="list-style-type: none"> <li>Find reviewer</li> <li>Attract authors</li> </ul>	<ul style="list-style-type: none"> <li>Benchmark against competition</li> </ul>	<ul style="list-style-type: none"> <li>Benchmark against competition</li> </ul>

		Entities being evaluated					
		Country	Funder	Institution	Researcher	Journal	Article
Stakeholders doing the evaluation	National body	• Benchmark	• Impact assessment	<b>A</b> Rank institutions for funding/policy decision	• Evaluate researchers for tenure		
	Ranking agency			Ranking universities	• Evaluate researchers for ranking their universities		
	Funding body	• Benchmark for strategy alignment	• Benchmark performance	Evaluate institutions for funding decision	• Find reviewers • Assess researcher for funding decision	<b>D</b> Evaluate for OA policy	• Evaluate/ showcase research impact
	Institution-Research Leader			<b>B</b> Benchmark against other institutions	<b>C</b> • Find and recruit • Benchmark performance • Promotion/ award	Evaluate content quality Where to publish	• Evaluate/showcase research impact
	Researcher		• Find funding	• Career/job opportunities	• Find collaborator • Benchmark against peers	Where to publish Showcase impact	• Evaluate articles to read • Showcase impact
	Publisher				• Find reviewer • Attract authors	Benchmark against competition	• Benchmark against competition

**A** Institutional evaluation

**B** Institutional benchmarking

**C** Researcher evaluation

**D** Journal evaluation

		Entities being evaluated			
		Country	Funding	Institution	Article
Stakeholders doing the evaluation	National body	• Benchmark	• Impact assessment		
	Ranking agency				
	Funding body	• Benchmark for strategy alignment	• Benchmark performance	• Funding decision	• Evaluate/showcase research impact
	Institution-Research Leader		• Benchmark against other institutions	• Find and recruit • Benchmark performance • Promotion/ award	• Evaluate content quality • Where to publish • Evaluate/showcase research impact
	Researcher		• Find funding	• Career/job opportunities • Find collaborator • Benchmark against peers	• Where to publish • Showcase impact • Evaluate articles to read • Showcase impact
	Publisher			• Find reviewer • Attract authors	• Benchmark against competition • Benchmark against competition

1. Coverage and curation
2. Context and integration
3. Ease of use of integrated knowledge
4. Ensure authority of the knowledge

- A Institutional evaluation
- B Institutional benchmarking
- C Researcher evaluation
- D Journal evaluation

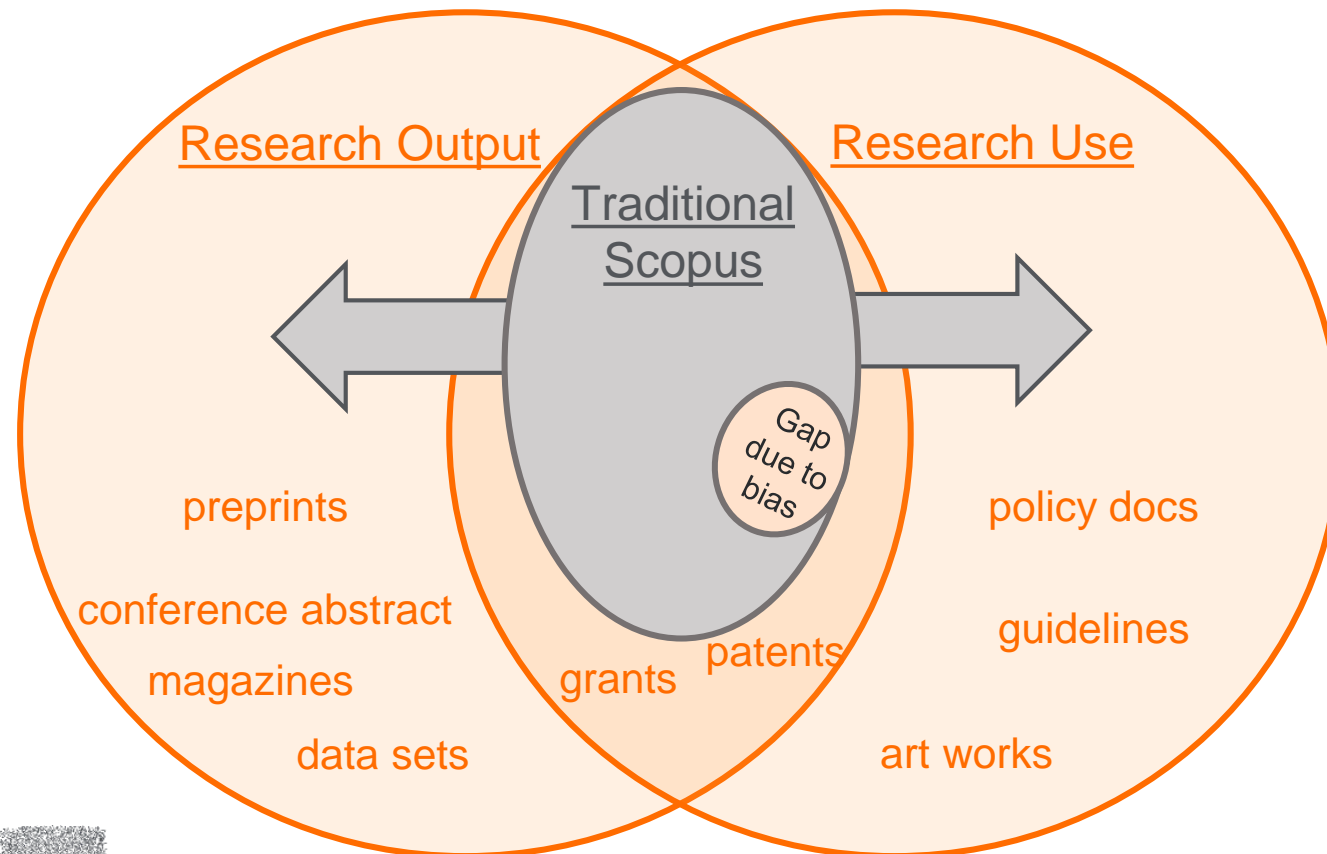


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# Coverage and curation



# Expand aggregation and filtering into research outputs and research use, while addressing filtering biases within core content



- Address gap in traditional published scholarly output due to bias
- Expand knowledge aggregation to the left to include more “non-traditional” research outputs and expand to the right to include more research uses
- Optimize for evaluators ‘right hand side’ (e.g. research support office) but bridge with ‘left hand side’ (e.g. library)

# Knowledge coverage and curation: priorities and roadmap

2019 - 2020

## Filtering existing knowledge

- Improve selection model for existing content types
- Enhance corpus quality through reevaluation

- Review selection model for Books and Conferences.
- Selection policy & criteria changes to address biases
- More frequent and data driven reevaluation.

## Aggregating existing knowledge

- Increase coverage in relevant subjects, geographical areas, source types.

- Identify gaps in specific local content and subject areas due to bias.
- Improve coverage in areas where national assessments take place
- Proactive title review initiatives.
- Integration of regional databases beyond core content.

## Aggregating and filtering new knowledge

- Develop acquisition & selection models for new knowledge types

- Selection and acquisition of preprints from 4 preprint servers.
- Selection and acquisition of awarded grants
- Selection and acquisition of patents from 13 patent offices
- Selection and acquisition of data sets.
- Develop selection model going forward for all new content types



# Context and integration



# Knowledge integration: priorities and roadmap

2019 - 2020

## Strengthen data fidelity

- Proactive quality improvement
- Fix core content errors in legacy and forward flow

- Improve quality for relevant accounts through manual clean-up of target organizations and top authors
- Enable large scale clean-up through new tooling
- Electron: Improve algorithmic outcomes through upstream synergies
- Retroactive fixes of systemic errors

## Curation capabilities

- Expand crowdsourcing

- Optimize and democratize existing feedback pipelines
- Capture broader set of signals (map additional sources of self-reported data)

## Predictive profiles at scale

- Optimize capabilities

- Electron: optimize entity resolution
- Electron: turn entity resolution capabilities into modular invocable services

## Data openness and interoperability

- Define interoperability and openness strategy

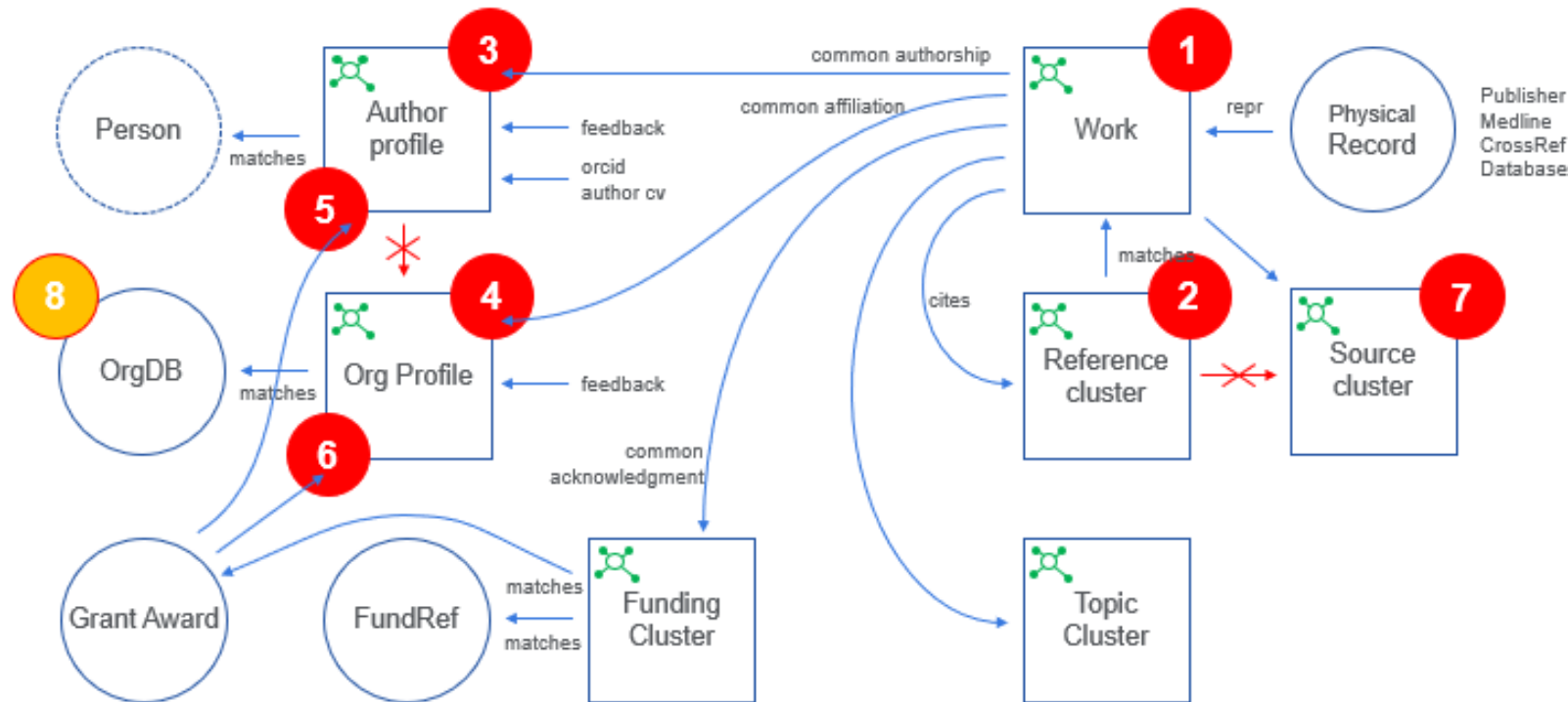
- Define and execute data outreach policy
- Define free vs paid layer features for Scopus
- Map to external authority sources (ORCID, DOI, GRID)



# Electron

- Acquisition of a company called Parity
- Electron: two-year project to optimize capabilities and implement upstream synergies

## Scopus Data = The **MHub** Data



### Electron goals:

- optimize Author profiler - close completeness gap by 50%
- close the precision gap on East Asian authors by 50%
- Optimize institution profiler - close completeness gap by 50%
- Optimize reference resolver – increase scale and throughput
- Upstream synergies – align content sourcing and normalization to algorithmic outcomes (feedback loops)



# Ease of use

## Scopus product roadmap

Presented by: Kai Wan

Senior Product Manager, Scopus



# Delivered Jan – Jun 2019

## Jan

- Institutional Profile Wizard (IPW) enhancements
- SciVal Topic of Prominence test on Authors page
- New Advanced Search Field Codes
- Funding Sponsor facet was released via Scopus API to support the Assessment Use Case (March)

## Mar/Apr

- Updated Institutional Profile Wizard IPW process
- Re-processing of Funding Data
- Analyze search results - Funding Sponsor graph
- Display total number of co-authors on author page
- Added h-index on author results page.

## May

- 2018 CiteScore, SNIP, and SJR source metrics now available
- New document type preset function for 2018 CiteScore metrics
- SciVal Topics added to Author page
- Scopus start page: Tabs to Radio buttons
- Character Limit Increased for Scopus Alerts

## June

- “Topics” on Author page now shows documents
- Ability to Claim profile with your Elsevier account
- Sort by h-index on author results page.
- “Data paper” document type support

**Subject to change**

# Planning Q3 2019

## July

- ID+ enabled for public (staggered rollout)
- New Reaxys chemistry information is directly displayed on Scopus document details page
- Display document results with tabs for additional content types

## Aug

- ID+ rollout concludes
- Author Affiliation history moved to overview with data range

## Sept

- First iteration of landing page redesign (simplified doc search)\*
- Global Integrated Header (staggered rollout)\*\*
- Product Switcher in Scopus header
- Ability to download author CV
- Ability to save Author Lists
- Release MVP for "Scopus Lite", new search experience
- "Save to source list" functionality for the source page

**Subject to change**

# Planning Q4 2019

## TBD

- Additional OA tagging
- MVP for pre-prints (SSRN)
- **Expand export limits**
- **Author Impact tab on author profile**
- **Co-author network on author profile**
- **Save Affiliation lists**
- Citescore enhancements (citation distribution, %cited/not cited on doc level, total citation per source per CS year) \*
- **FWCI metrics alignment with SV**
- Preprints, funding grants, Patents or datasets

# Interoperability with SciVal

Scopus

Search Sources Alerts Lists Help ▾ SciVal ↗

1,591 document results

Back to Saved lists

SAVED\_LIST(Alternative energy 2017-2020 Germany)

Search within results...

Analyze search results

Export your list to SciVal Show all abstracts Sort on: Date (newest)

All Save to Saved list Delete Export Download View cited by

Document title Authors Year Source

Search Sources Alerts Lists

This feature is only available for SciVal subscribers.

Scopus to SciVal

Export a Scopus list as a Publication Set to SciVal and use benchmarking tools for further evaluation.

Go back to My list

You can go back to your list and refine before sending to SciVal as a Publication Set, or if you are not a SciVal subscriber, you can continue your work in Scopus.

Go back to My list

Continue to SciVal

Scopus will only send article information published after 1995 for SciVal benchmarking and analysis.

Continue to SciVal

Cancel



Hide tags

Publication Sets

Alternative energy 2017-2020 Germany

My Publication Set - 25 August 2019

Remove all entities from this section

Overview Benchmarking Collaboration Trends Reporting My SciVal Scopus

The entity Alternative energy 2017-2020 Germany is now available to use in SciVal. See entity

Add to panel Tags Share Edit Delete Merge Add new

Name Tags  
Alternative energy 2017-2020 Germany Added

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Use Scopus to find your research, collect and save your list and export directly to SciVal to continue your benchmarking needs.



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# Interoperability with Reaxys

pathogenesis likely involves host interactions with environmental elements whose source and structure need to be defined. Here, we identify a class of compound from dietary, microbial, and industrial sources that are characterized by the presence of a five-membered oxazole ring and induce CD1d-dependent intestinal inflammation. We observe that minimal oxazole structures modulate natural killer T cell-dependent inflammation by regulating lipid antigen presentation by CD1d on intestinal cells (IECs). CD1d-restricted production of interleukin 10 by IECs is limited through activity of the aryl hydrocarbon receptor (Ahr) pathway in response to oxazole tryptophan metabolites. As such, the depletion of the Ahr in the intestinal epithelium abrogates oxazole-induced inflammation. In summary, we identify environments, the depletion of oxazoles as triggers of CD1d-dependent inflammatory responses that occur via activation of the Ahr in the intestinal epithelium. A class of microbe-derived environmental compounds triggers inflammation in gut epithelial cells through the action of natural killer T cells and aryl hydrocarbon receptor signaling. © 2011

SciVal Topic Prominence ⓘ

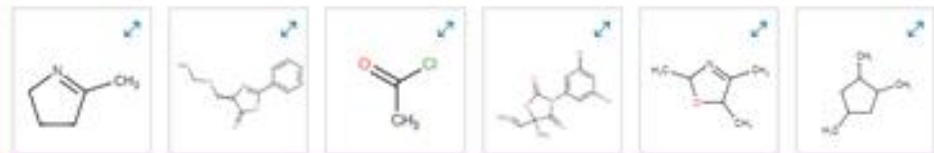
Topic: Natural Killer T-Cells | Galactosylceramides | lipid antigens

Prominence percentile: 98.038

Reaxys<sup>®</sup> Chemistry database information ⓘ

Substances

View all substances (13)



Author keywords:

aryl hydrocarbon receptor | CD1d | indoleamine 2,3 dioxygenase | inflammatory bowel disease | intestinal epithelial cell | microbiota | micron | mucosal inflammation | natural killer T cell | oxazole | tryptophan

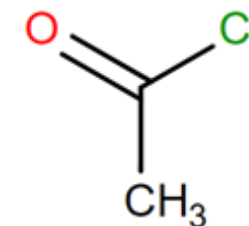
Indexed keywords:

EMTREE drug terms: aromatic hydrocarbon receptor | interleukin 10 | oxazole | T lymphocyte receptor | tryptophan | aromatic hydrocarbon receptor | CD1d antigen | CD1d antigen, mouse | IDO1 protein, mouse | indoleamine 2,3 dioxygenase | interleukin 10 | oxazole derivative

## Substance details

acetyl chloride

Chemical Names: acetyl chloride  
acetylchloride  
Molecular formula: C<sub>2</sub>H<sub>3</sub>ClO  
Linear formula: ClC(O)CH<sub>3</sub>  
Substance type: acyclic  
Molecular weight: 78.4982  
CAS Registry Number(s): 75-36-5  
InChiKey: WETWJCDKMRHUPV-UHFFFAOYSA-N  
Reaxys ID: 605303



View all substances

Additional data on physical properties, spectra and targets in Reaxys

Powered by Reaxys

Commercial microbial regulation of natural killer T cells at the frontiers of the mucosal immune system

Zeissig, S., Blumberg, R.S. (2014) *FEBS Letters*

CD1d-Restricted pathways in hepatocytes control local natural killer T cell homeostasis and hepatic inflammation

Zeissig, S., Peukes, K., Iyer, S. (2017) *Proceedings of the National Academy of Sciences of the United States of America*

View all related documents based on references

Current “Reaxys section” on the Scopus document details page has been updated to use a new Reaxys API to retrieve chemistry substance information for a respective document/article in Scopus.

Document has to be indexed in both Scopus and Reaxys. Reaxys subscription is not required.

# View your profile and claim it

The screenshot shows the Scopus Author details page for Thomas Nunnemann. The page includes the following information:

- Author details:** Nunnemann, Thomas; Ludwig-Maximilians-Universität München, Munich, Germany; Author ID: 35227746300; Other name formats: (Nunnemann, T.).
- Subject areas:** Physics and Astronomy, Engineering, Mathematics, Multidisciplinary, Computer Science, Medicine, Chemistry, Energy, Biochemistry, Genetics and Molecular Biology.
- Documents by author:** 990.
- Total citations:** 54681 by 23058 documents.
- h-index:** 99.
- Document and citation trends:** A bar chart showing documents and a line graph showing citations from 1997 to 2019.
- Profile actions:** Is this you? Claim profile, Edit author profile, Connect to ORCID, Alerts, Set citation alert, Set document alert.
- Navigation:** 990 Documents, Cited by 23058 documents, 16016 co-authors, Author history, Topics. Sort on: Date (newest).

Be in control of your own author profile.  
Claim it yourself or allow your administrator to manage your profile.

Update your ORCID profile directly from Scopus.



The screenshot shows the Author Feedback Wizard in the 'Review Documents' step. It displays a list of documents for review:

Document title	Authors	Year	Source	Cited by
1 Evidence for $Z_{cc}$ (3900) in semi-inclusive decays of B-flavored hadrons	Abazov, V.M., Abbott, B., Acharya, B.S., Adams, M., Adams, T., Agnew, J.P., ..., Zivkovic, L.	2018	Physical Review D 98(5)	4
2 Tevatron Run II combination of the effective leptonic electroweak mixing angle	Aaltonen, T., Abazov, V.M., Abbott, B., Acharya, B.S., Adams, M., Adams, T., ..., Zucchelli, S.	2018	Physical Review D 97(11)	5
3 Measurement of the Effective Weak Mixing Angle in $p\bar{p} \rightarrow Z/\gamma^* \rightarrow \mu^+\mu^-$ Events	Abazov, V.M., Abbott, B., Acharya, B.S., Adams, M., Adams, T., Agnew, J.P., ..., Zivkovic, L.	2018	Physical Review Letters 120(24)	3
4 Study of the $X_{cc}$ (5568) state with semileptonic decays of the B <sub>s0</sub> meson	STUDY of the $X_{cc}$ (5568) STATE with ... V. M. ABAZOV et al. Abazov, V.M., Abbott, B., Acharya, B.S., Adams, M., Adams, T., Agnew, J.P., ..., Zivkovic, L.	2018	Physical Review D 97(9)	9

Below the table, there is a section 'Are there any documents missing?' with a 'Search missing documents' button. At the bottom, there are navigation buttons: '< Select Profile' and 'Review Affiliation >'. The 'Review Affiliation' button is highlighted in blue.

The screenshot shows the Author Feedback Wizard in the 'Review Affiliation' step. It displays the following information:

- Review affiliation for "Nunnemann, Thomas":** Select from the dropdown list below to make changes to the author's affiliation.
- Dropdown menu:** Ludwig-Maximilians-Universität ...
- Navigation:** '< Review Documents' and 'Confirm and Submit >' buttons.

About Scopus

What is Scopus  
Content coverage  
Scopus blog  
Scopus API  
Privacy matters

Language

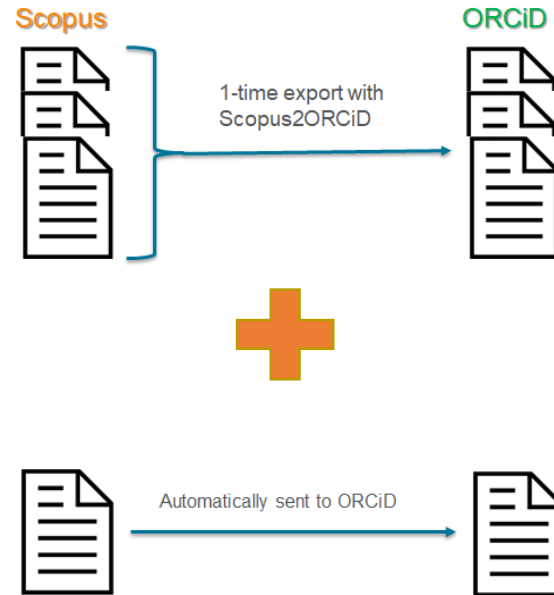
日本語に切り替える  
切换到简体中文  
切换到繁體中文  
Русский язык

Customer Service

Help  
Contact us



# Future ORCID integration



Scopus | ORCID

## Send Scopus Author details and publication list to ORCID

Your publications on Scopus may be spread over a number of different Author profiles, because these are generated automatically.

ORCID (Open Researcher and Contributor ID) seeks to remedy the systemic name ambiguity problems seen in scholarly research by assigning unique identifiers linkable to an individual's research output. If you have not yet created an ORCID profile, you will be able to do so during the process that follows; alternatively, you can register first at <https://orcid.org> and then import your works from your profile page.

The Start button will take you to the ORCID site, where you can give permission for us to read your ORCID record (in order to find your profile(s) in Scopus), and send your ID to ORCID. If you choose to send a list of your publications to ORCID at the end of this process, we will repeat this to gain permission to update your ORCID record.

An alert to “follow” authors who want to use the service is created. SC alert system is being used as a scheduler to set an alert when a new article is detected for the author. This alert will automatically push the newly added article to the author's ORCID profile.

Questions, feedback?



# Thank you!

**Scopus info site:** <https://www.elsevier.com/solutions/scopus/how-scopus-works>

**Scopus blog:** <http://blog.scopus.com>

**Webinar series:** <http://blog.scopus.com/webinars>

**Twitter:** [www.twitter.com/scopus](http://www.twitter.com/scopus)

