Clarivate Analytics



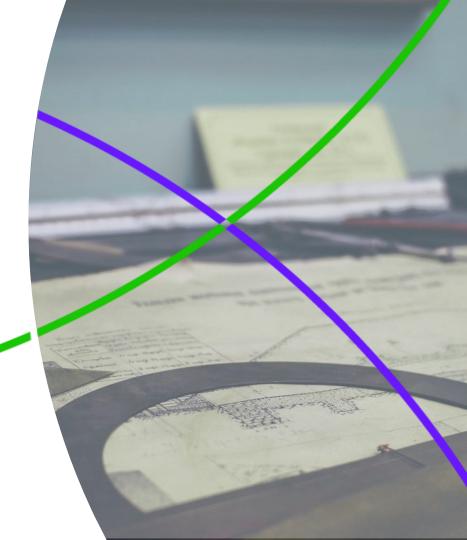
PLATFORMELE WEB OF SCIENCE - INCITES

Adriana FILIP
Solutions Consultant EMEA

Marko Zovko Account Manager, South and Eastern Europe

Aprilie 2018

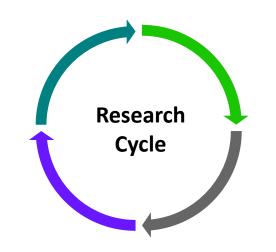




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The IP & Science division of Thomson Reuters was sold as a standalone business to Onex Partners in October 2016, to form a more agile new company, Clarivate Analytics.

We are now an independent company in our own right, with over 4,000 employees around the world. Our values are **Customer Focus, Performance** and **Trust**.



Л

Back to the Future: Institute for Scientific Information Reestablished Within Clarivate Analytics

https://clarivate.com/blog/news/back-future-institute-scientific-information-re-established-within-clarivate-analytics/



Clarivate Analytics Acquires Research Startup Kopernio



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Clarivate Analytics has acquired Kopernio — a technology start-up headquartered in London that has created a free browser plug-in and web platform, powered by ground-breaking technology that enables one-click access to academic journal articles, across library subscriptions, publisher websites, OA repositories, databases and search engines.

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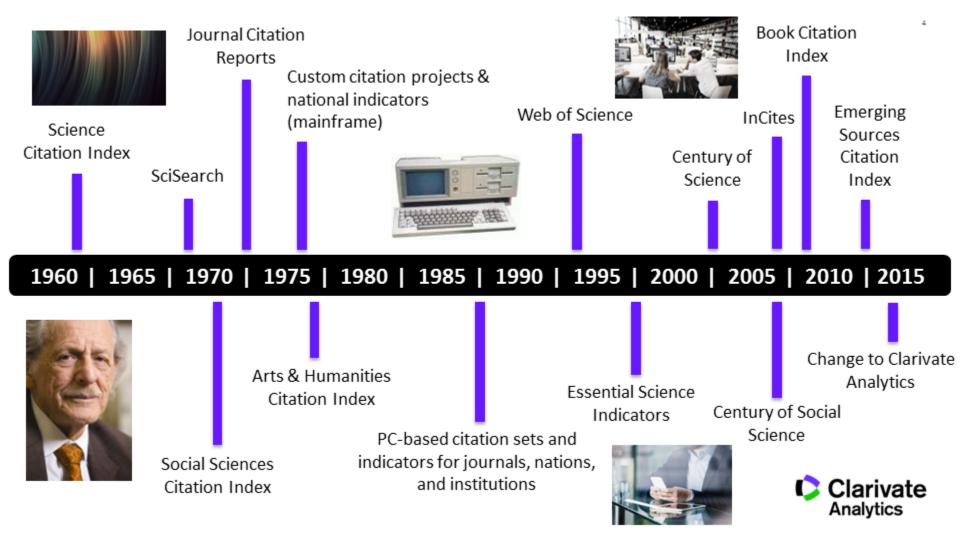
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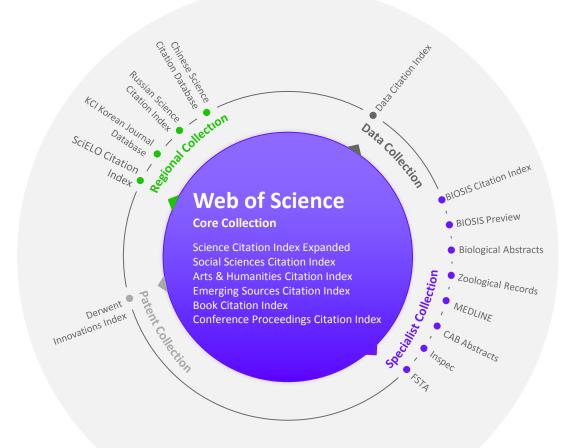


Platforma Web of Science

- Universul Web of Science
- Cercetarea română în Web of Science Core Collection







34,000+ reviste unice

149 MILIOANE înregistrări unice

1.3 MILIARDE referințe citate



Procesul de selecție a revistelor

STANDARDE DE PUBLICARE AL REVISTELOR

- Peer review
- Practici etice de publicare
- Respectarea cerințelor tehnice (XML / PDF)
- Informații bibliografice în limba engleză
- Punctualitatea în publicare
- Convenţii editoriale internaţionale

CONȚINUT EDITORIAL

- Recomandare a comunității științifice sau interes demonstrat
- Acestă revistă va îmbogăți WoS cu conţinut nou ?
- Cum se compară acestă revistă cu revistele dintr-un domeniu similar?
- Este acest subiect deja acoperit?

DIVERSITATE INTERNAȚIONALĂ

- Acestă revistă vizează o audiență internațională sau, în mod specific, o audiență regională?
- Reprezentarea internaţională în rândul autorilor şi membrilor consiliului este la un nivel adecvat pentru o astfel de revistă ?

ANALIZA CITAȚIONALĂ

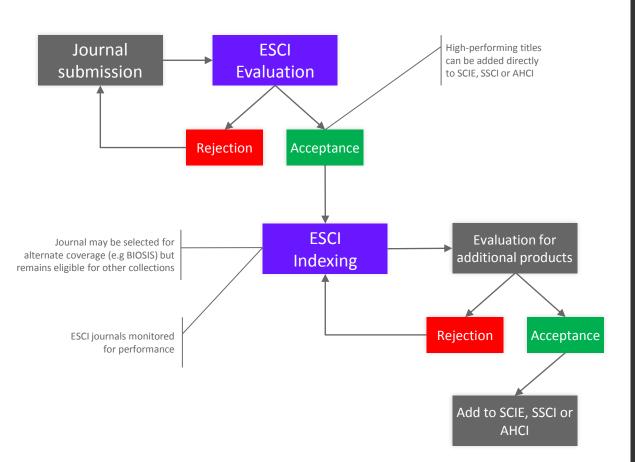
- Numărul de citări totale
- Activitate de citare recentă
- Autori și membri consiliului de redacție citați în literatură
- Integrarea revistei în literatura de specialitate în timp

Verde = cerințele de selecție ESCI

Negru = cerințele de selecție SCIE/SSCI/AHCI

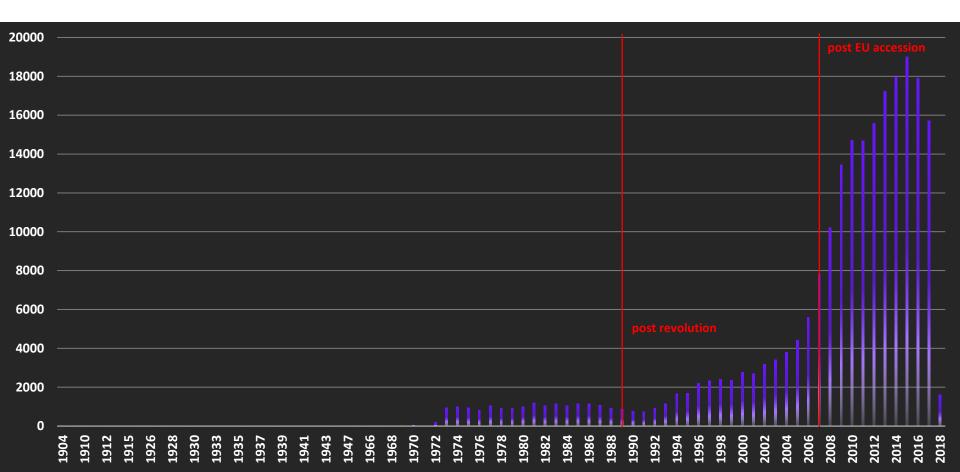


Procesul de selecție a revistelor

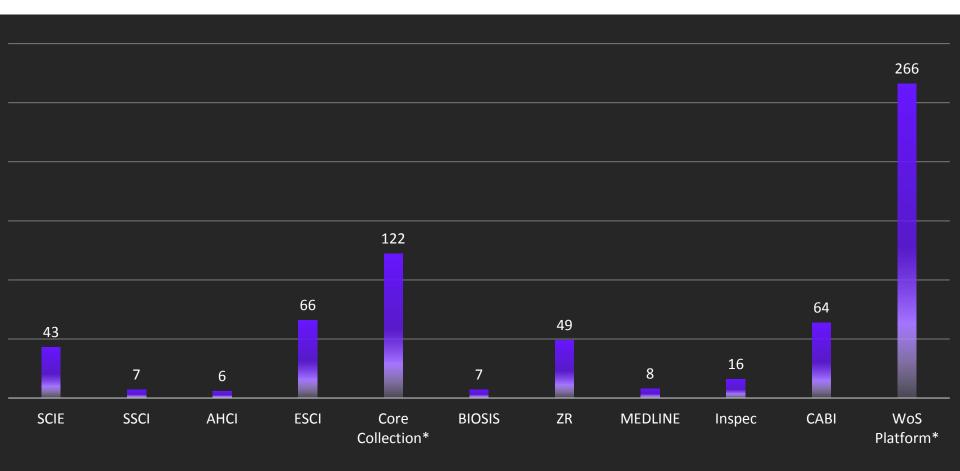


SELECTIVITY in 2017 211 ESCI Titles from ESCI to WOS-3 21 WOS-3 Titles from WOS-3 to ESCI

Cercetarea română în Web of Science Core Collection (după număr de documente)



Reviste românesti indexate în Web of Science

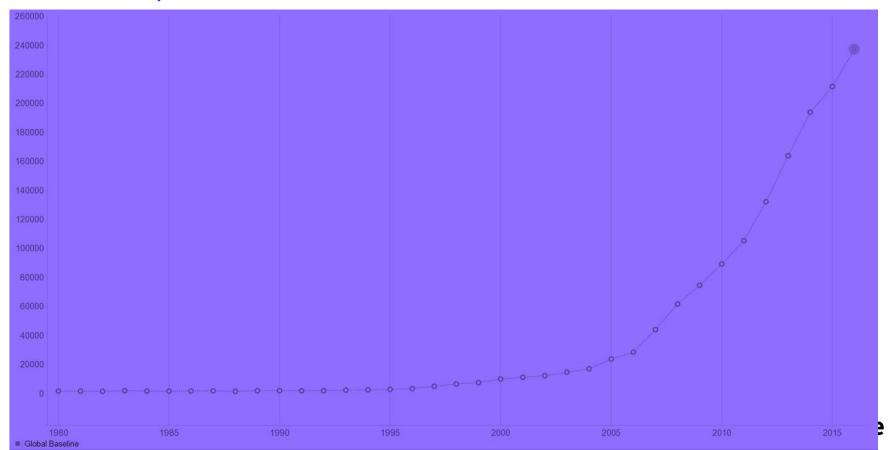


Impactstory Open Access

- Cum facilităm accesul la documente Open Access
- Avantajele documentelor Open Access si impactul lor asupra cercetării



The evolution of Open Access



Indicators: Web of Science Documents. Location Type:Country.Open Access:Yes,Time Period:1980-2016
InCites dataset updated Nov 18, 2017. Includes Web of Science content indexed through Sep 30, 2017. Export Date: Dec 6, 2017.



Impactstory Partnership

Web of Science will provide direct access to additional, legal Open Access content

Clarivate Analytics has invested in technology so that you can soon:

- ✓ Find <u>Hybrid</u> Gold OA articles when searching the Web of Science
- ✓ Find Green OA articles when searching the Web of Science



Article-level Open Access identification will help you find legally available Green & Hybrid articles in the Web of Science.





To develop this capability, we have given a grant to Impactstory

The grant funds improvements to Impactstory's Unpaywall technology. We are using Unpaywall to provide reliable linking to the best available version of OA content.

- For Green OA articles, Web of Science will only link to peer-reviewed items from open repositories, NOT "pre-prints." We will identify two types of Green OA articles:
 - Accepted Manuscript
 - Published Version
- For all OA articles, Web of Science will preference links to the publisher's version, when available.



Open Access in Web of Science means

- Researchers get to more free, trusted full text faster
- Libraries can extend their full text budgets
- 100% peer-reviewed OA
- Filter any search to see OA
- Easily identify what publications are OA

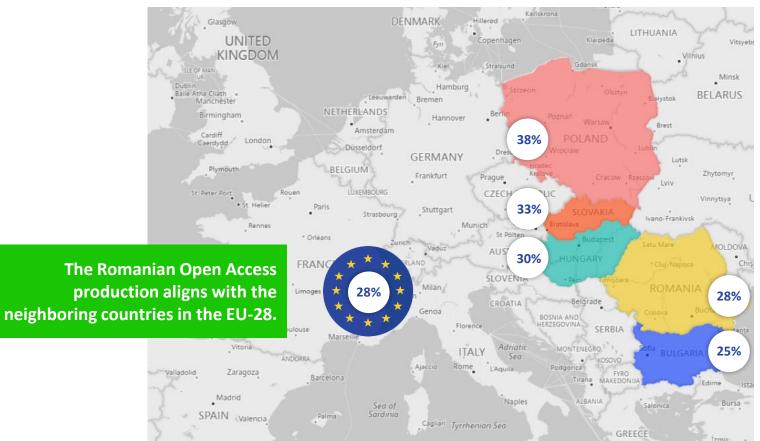


Romanian Open Access papers





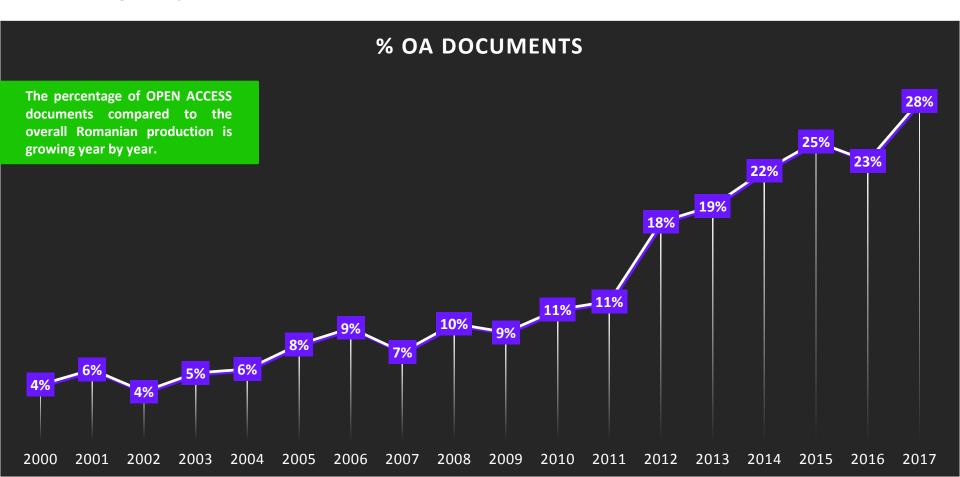
EU-28 and neighboring countries





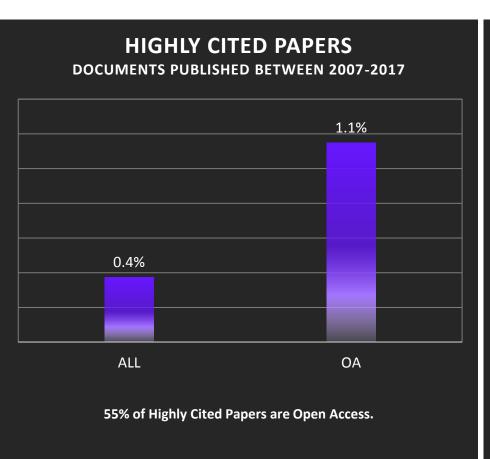
Papers published in 2017.

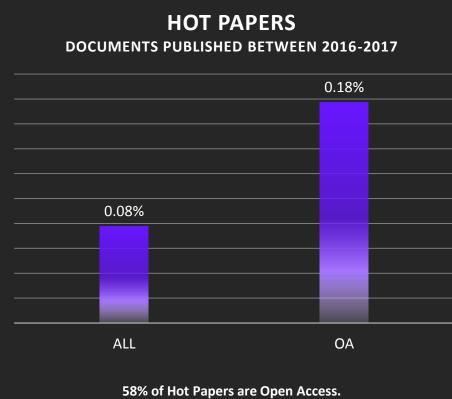
Percentage of Open Access documents



Highly Cited Papers & Hot Papers

Papers published between 2000-2017.



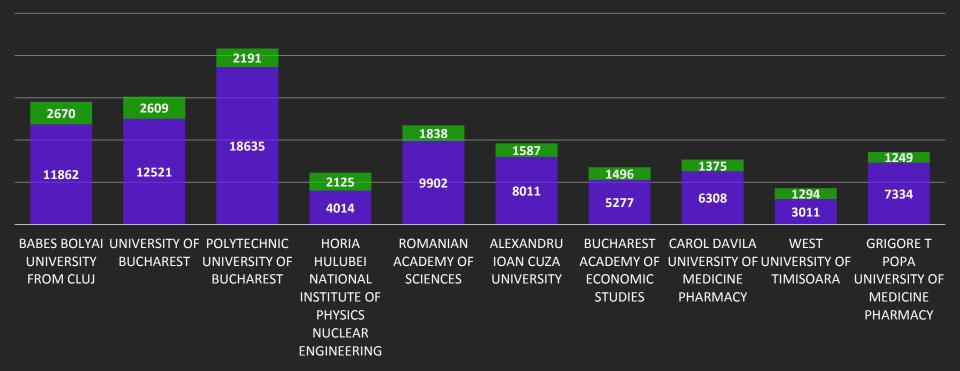


Top Organizations

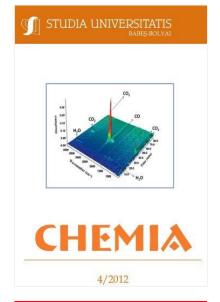
Papers published between 2000-2017.

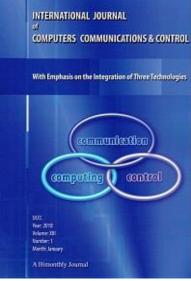
NON OA OA

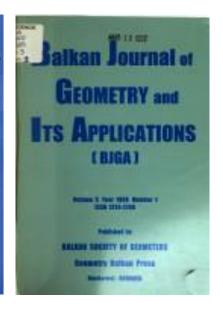




Romanian Open Access Journals







Before
O Open Access docs

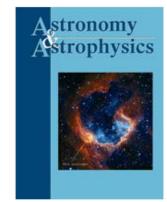
Now 81 Open Access docs Out of 1,103 docs indexed in WoS CC Before
O Open Access docs

Now 894 Open Access docs Out of 894 docs indexed in WoS CC Before
O Open Access docs

Now 278 Open Access docs Out of 278 docs indexed in WoS CC



Open Access Journals



Before
O Open Access docs

Now 28,271 Open Access docs



Before 0 Open Access docs

Now 91,550 Open Access docs



Before
0 Open Access docs

Now 94,538 Open Access docs



Before 0 Open Access docs

Now 9,011 Open Access docs



0 Open Access docs

Before

Now 23,326 Open Access docs



Emerging Sources Citation Index

- Descoperiți surse emergente din întreaga lume cu Emerging Sources Citation Index
- Cum este reprezentată cercetarea română în arhiva
 Emerging Sources Citation



Emerging Sources Citation Index (ESCI)





Lansat în 2015 +7,300 reviste



Tendințe și evoluții în Științe, Științe Sociale și Științe Umane



Reviste selectate și revizuite de echipa noastră editorială



Reviste identificate ca fiind importante pentru liderii de opinie cheie, finanțatori și evaluatori din întreaga lume



"ESCI are un efect pozitiv asupra evaluării cercetării și accelerează comunicarea în comunitatea științifică."

Early Insight on the ESCI: an overlay map-based bibliometric study Scientometrics, March 18 2017



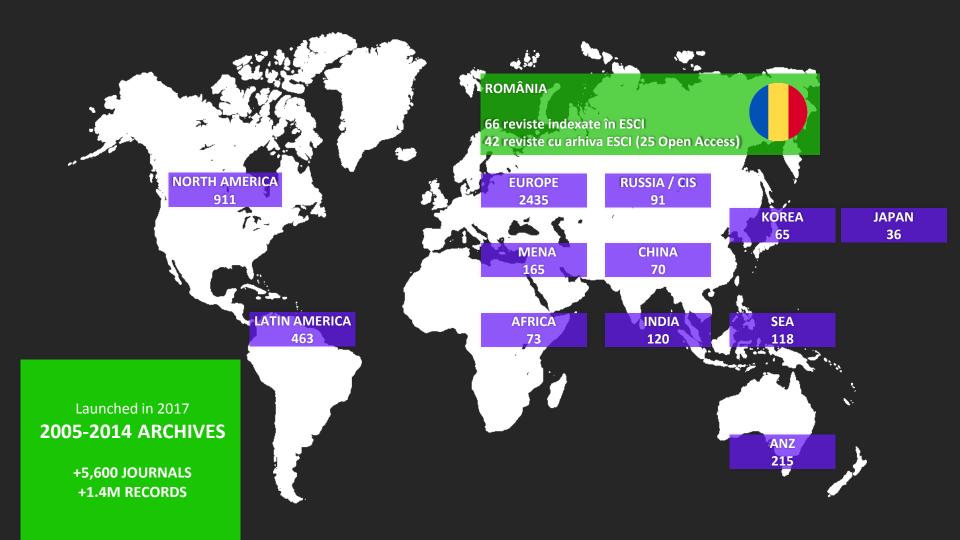
"Indexarea în ESCI va îmbunătăți vizibilitatea unei reviste, oferă o notă de calitate și este bună pentru autori. Am văzut deja exemple de instituții și finanțatori care sugerează publicarea într-o revistă indexată în ESCI, similar cu ceea ce se întâmplă deja cu alte baze de date Web of Science."

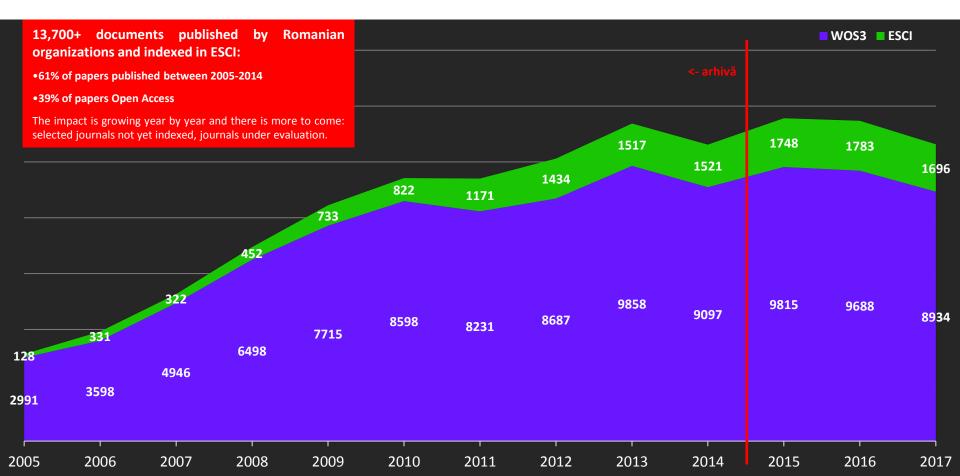
James Hardcastle, Senior Manager, Product Analytics **Taylor & Francis, February 13 2017**

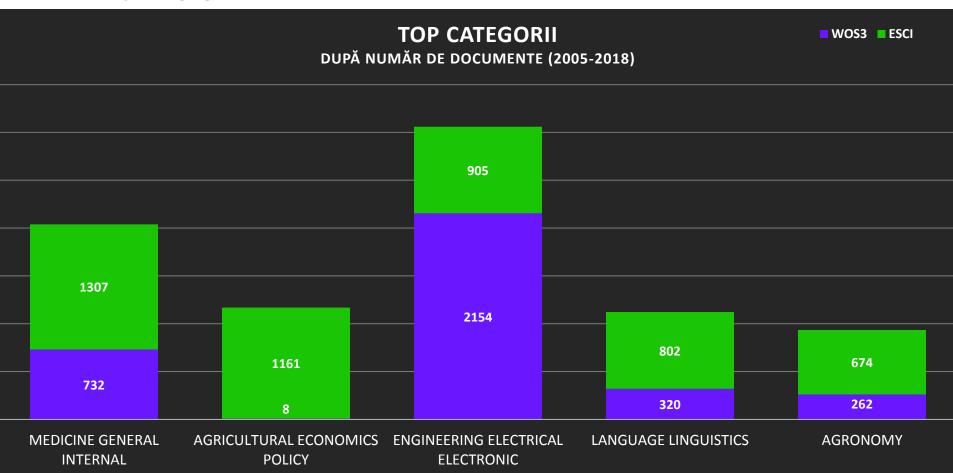
- No Impact Factor
- included in the Master Journal List http://mjl.clarivate.com/cgi-bin/jrnlst/jloptions.cgi?PC=EX

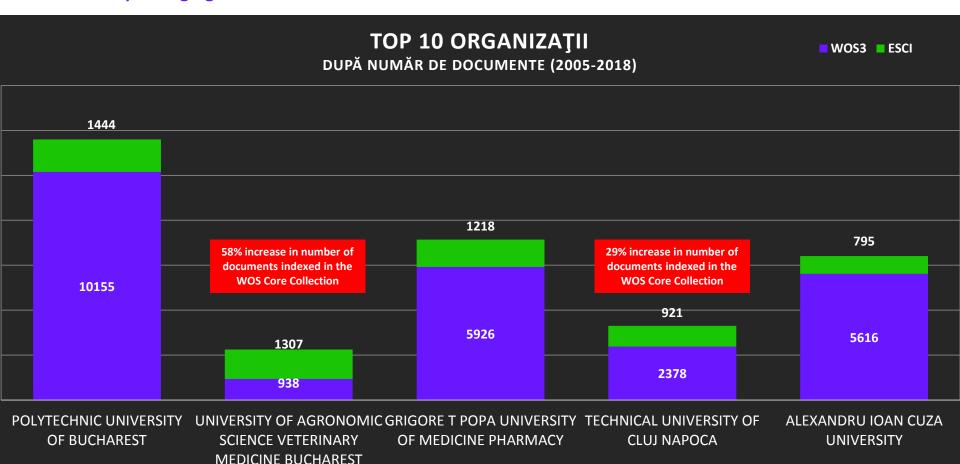














Anca Trifan

UMF lasi

From 4 to 35 papers in MEDICINE GENERAL INTERNAL



Gheorghe Savoiu

University of Pitesti

From 0 to 23 papers in SOCIAL SCIENCES MATHEMATICAL METHODS



Elena Mudura

USAMV Cluj-Napoca

H-index 3 to H-index 4 From 10 to 30 papers in FOOD SCIENCE TECHNOLOGY



Mariana Arghir

Technical University Cluj-Napoca

From 2 to 77 papers in MECHANICS



Adrian Badea

Polytechnic Bucharest

From 8 to 47 papers in ENGINEERING ELECTRICAL ELECTRONIC



Alexandru Grumezescu

Polytechnic Bucharest

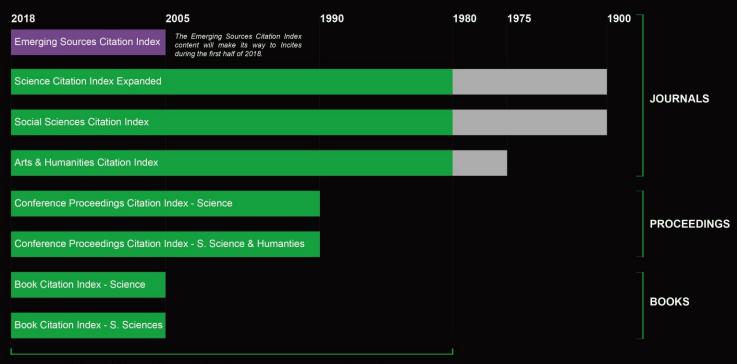
H-index 21 to H-index 22 From 0 to 21 papers in CHEMISTRY APPLIED



InCites Benchmarking & Analytics



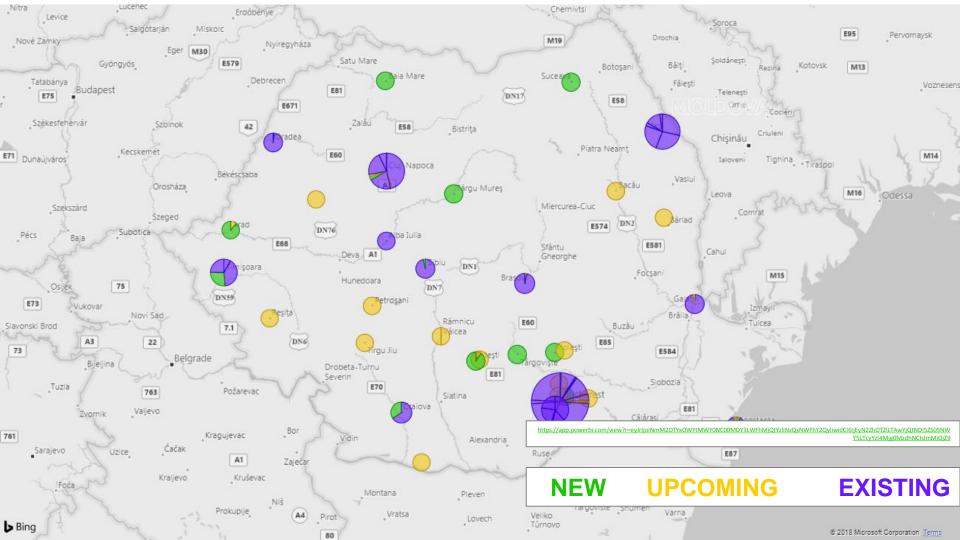
WEB OF SCIENCE CORE COLLECTION



Web of Science Core Collection content analysed in Incites (data and metrics updated every month)

Studiu de caz: organizațiile românesti în Web of Science și InCites





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20 noi organizatii

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VASILE GOLDIS WESTERN UNIVERSITY OF ARAD

STEFAN CEL MARE UNIVERSITY OF SUCEAVA

UNIVERSITY OF MEDICINE PHARMACY OF CRAIOVA

VICTOR BABES UNIVERSITY OF MEDICINE PHARMACY TIMISOARA

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ART AND DESIGN UNIVERSITY OF CLUJ-NAPOCA

CONSTANTA MARITIME UNIVERSITY

GHEORGHE DIMA MUSIC ACADEMY

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REGIONAL INSTITUTE OF GASTROENTEROLOGY & HEPATOLOGY



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+1,900 papers

VASILE GOLDIS WESTERN UNIVERSITY OF ARAD

STEFAN CEL MARE UNIVERSITY OF SUCEAVA

UNIVERSITY OF MEDICINE PHARMACY OF CRAIOVA +2,300 papers
VICTOR BABES UNIVERSITY OF MEDICINE PHARMACY TIMISOARA +4,600 papers

UNIVERSITY OF PITESTI

OIL & GAS UNIVERSITY OF PLOIESTI

NORTH UNIVERSITY CENTRE OF BAIA MARE

ONCOLOGY INSTITUTE PROF. DR. ION CHIRICUTA

ION MINCU UNIVERSITY OF ARCHITECTURE & URBANISM

NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN FORESTRY MARIN DRACEA

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ROMANIAN-GERMAN UNIVERSITY SIBIU

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CONSTANTA MARITIME UNIVERSITY

GHEORGHE DIMA MUSIC ACADEMY

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POLYTECHNIC UNIVERSITY OF BUCHAREST

BABES BOLYAI UNIVERSITY FROM CLUJ

INSTITUTUL PASTEUR BUCURESTI ARCELORMITTAL GALATI

UNIVERSITY OF BUCHAREST

+800 papers +500 papers +400 papers +600 papers

+650 papers

+120 papers

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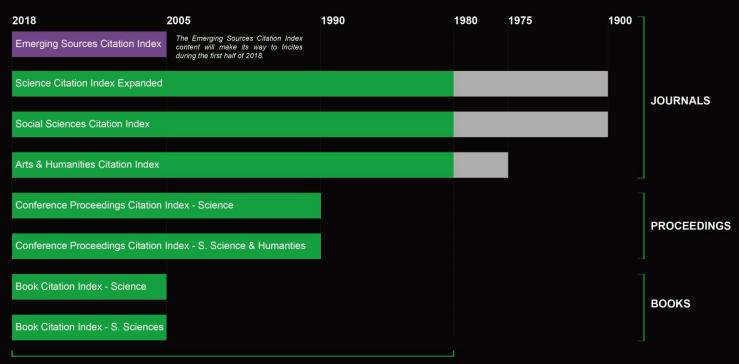
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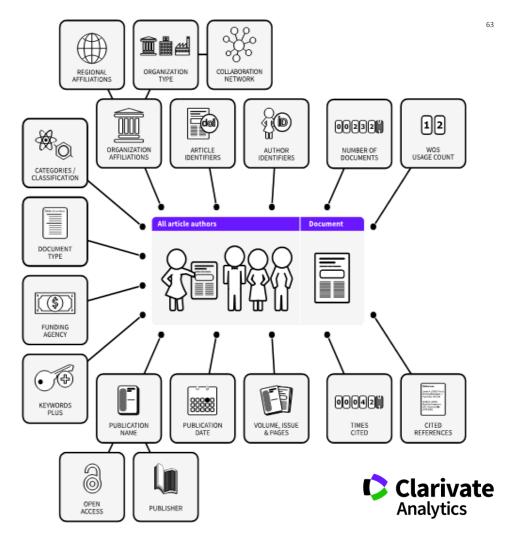
WEB OF SCIENCE CORE COLLECTION



Web of Science Core Collection content analysed in Incites (data and metrics updated every month)

From Web of Science Core Collection to InCites

InCites Calibrate Your Strategic Research Vision



Indicators

NORMALIZATION

percentile average percentile

category normalized citation impact

category expected citation impact

highly cited papers

hot papers

journal normalized citation impact

journal expected citation impact

impact relative to the world

PRODUCTIVITY & IMPACT

number of WoS documents

times cited

Most widely used metric

citation impact

% of documents cited

impact factors

H-Index, **Eigenfactor**

% of documents in top 1%

Calculated using the number of publications and citations per publication of an author

PERFORMANCE

% of documents in top 10%

category expected citation impact

highly cited papers

COLLABORATION

Average number of

citations on a set of papers

% industry collab

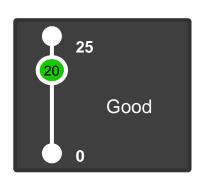
% internatl collab

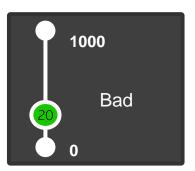
international collabs



Normalization







CONTEXT IS EVERYTHING

INDICTORS MUST BE PUT INTO CONTEXT TO BE USEFUL: CATEGORY, JOURNAL, PEERS, GLOBAL

- NORMALIZED INDICATORS for relative performance comparisons
 - PERCENTILES where does it fall in the range of values?
- BENCHMARKS how does it compare with a group or globally?



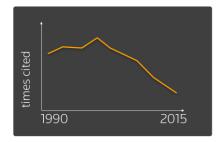
Normalization

Business Biology
Law Oncology
Respiratory System
Agronomy
Substance Abuse

CATEGORY

citation patterns differ by subject category

e.g. nanotechnology vs law



TIME

citations accumulate over time and at different rates depending on article age and category

e.g. new articles may accumulate citations quickly, older ones more slowly or not at all



DOCUMENT TYPE

citations differ by document type within a journal

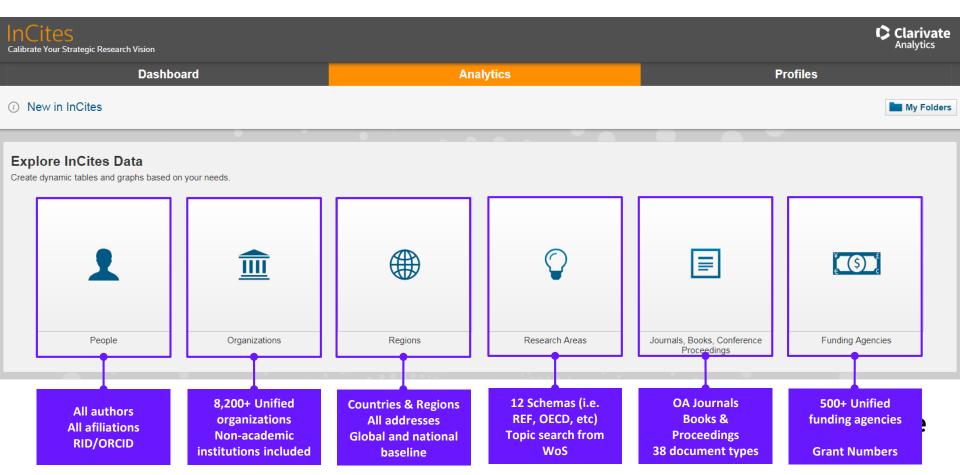
e.g. reviews are generally more heavily cited than articles, and editorials, book reviews etc. may go uncited

NORMALIZATION PUTS DATA INTO CONTEXT

IS AN ENTITY DOING BETTER OR WORSE THAN WOULD BE EXPECTED IN A CATEGORY?



O soluție intuitivă și completă pentru evaluarea țărilor, instituțiilor și cercetătorilor



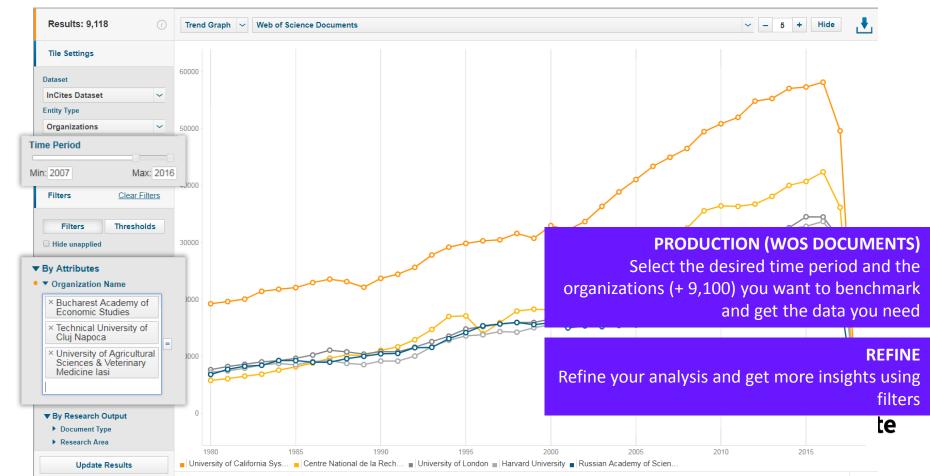
Live Demo



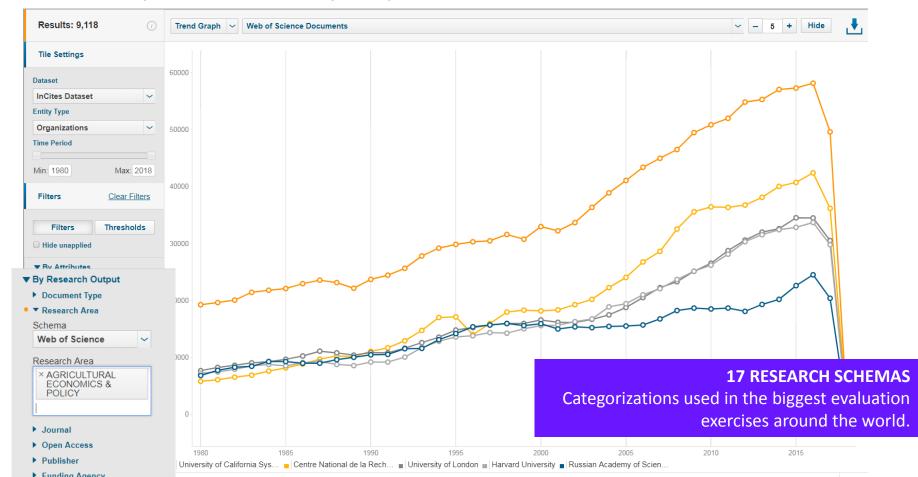
BENCHMARK ANALYSIS



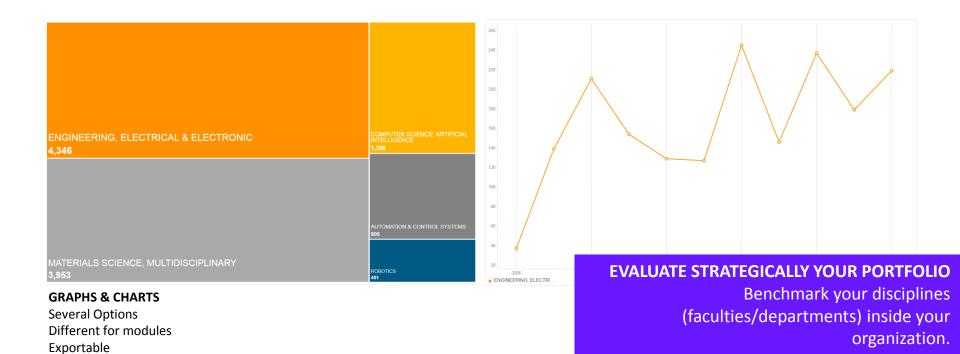
Benchmark Analysis: Evaluate Externally (Competition, Partners, etc.)



Benchmark Analysis: Evaluate Externally (Competition, Partners, etc.)

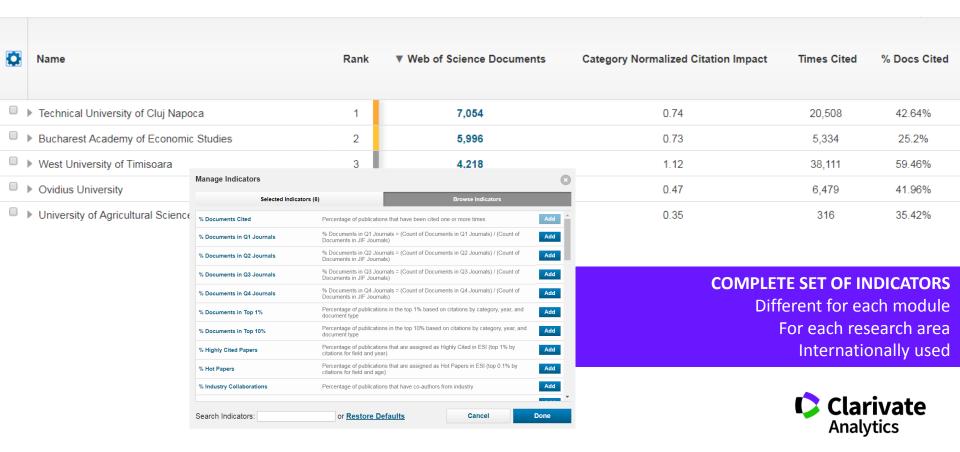


Benchmark Analysis: Evaluate Internally

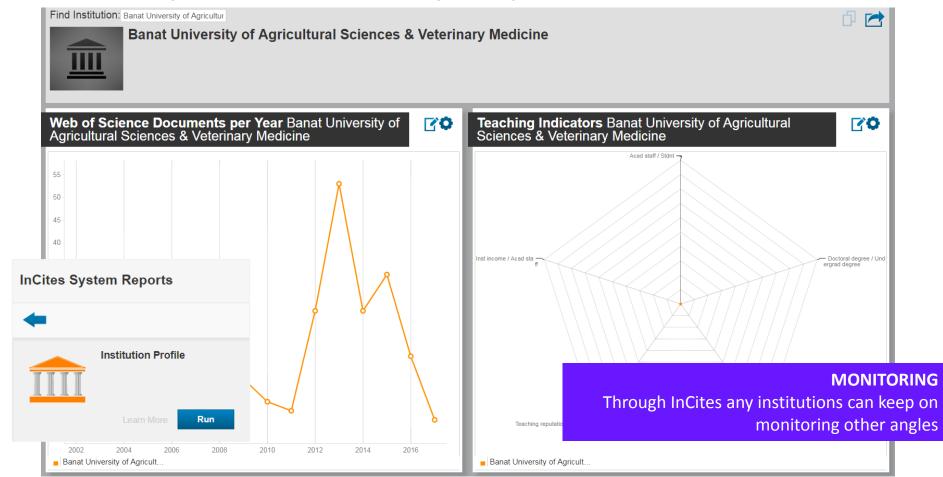




Benchmark Analysis: use various indicators



Benchmark Analysis: Institution Profile (InCites System Reports)



Regional: USA, Canada, Brasil, etc.

Benchmark Analysis: custom and preconfigured aggregations

CUSTOM AGGREGATION Creat your own group		Web of Science Documents	Category Normalized Citation Impact	▼ Times Cited	% Docs Cited	Citation Impact
► HUNGARY	91	98,269	1.08	1,097,400	66.65%	11.17
▶ ROMANIA	108	141,962	0.78	655,681	47.37%	4.62
▶ SERBIA	123	63,007	0.75	405,765	61.54%	6.44
▶ BULGARIA	130	36,679	0.86	316,423	61.61%	8.63
▶ MOLDOVA	211	4,223	0.78	30,750	56.24%	7.28
5 pinned items						Unpin all
□ ▶ OECD Totals	1	17,364,137	1.12	197,773,005	64.5%	11.39
□ ▶ USA	2	6,729,128	1.33	94,087,434	63.38%	13.98
□ ▶ EU-28 Totals	3	6,029,362	1.14	92,092,005	65.96%	11.47
■ ▶ EU-25 Totals	4	7,855,596	1.15	91,554,894	66.42%	11.65
■ ▶ EU-15 Totals	5	7,246,335	1.18	88,228,598	67.03%	12.18
■ ASIA PACIFIC Totals	6	7,085,005		STAND	ARD AGG	REGATION
_			Interna	tional: EU-1		

COLLABORATION ANALYSIS



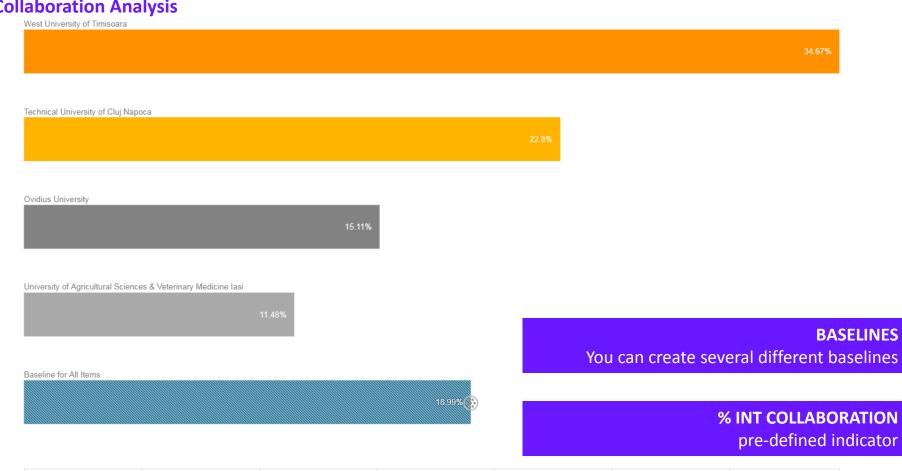
Collaboration Analysis

0%

5%

10%

15%



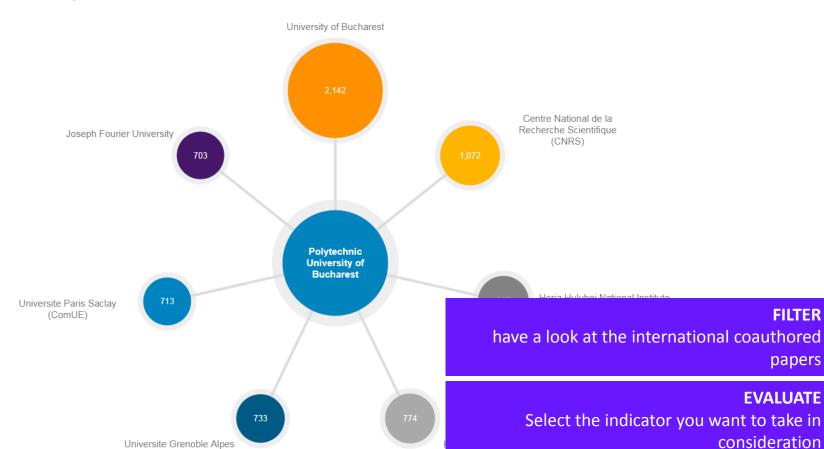
20%

25%

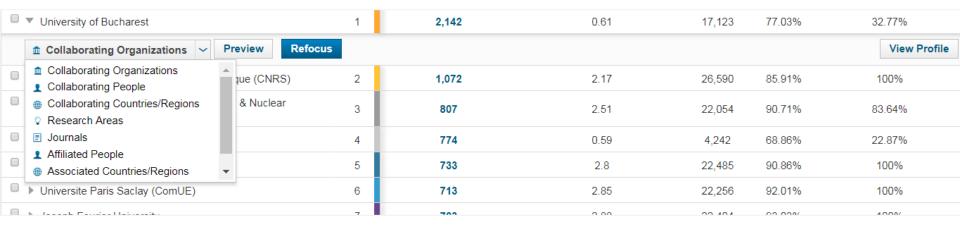
30%

Collaboration Analysis

Universite Grenoble Alpes (UGA)



Collaboration Analysis

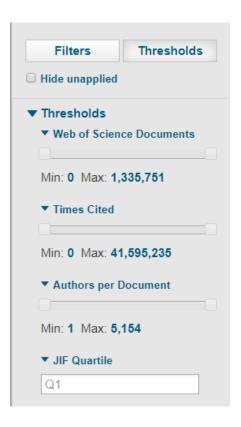


MORE DETAILS

go deeper into your analysis: study people, journals or research areas



Thresholds



AUTHORS PER DOCUMENT THRESHOLD

Less than 8k documents (.01%) have more than 200 authors, but they can have up to 5,000 authors each!

These documents can significantly affect a collaboration analysis by misrepresenting the relationship between authors or institutions.

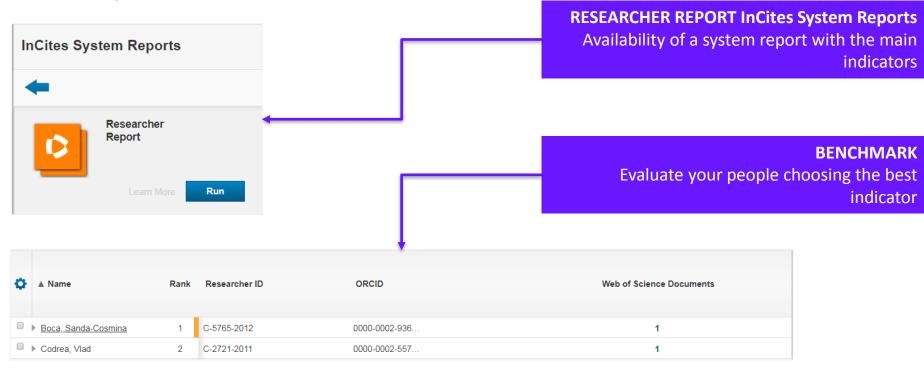
Collaboration analysis can now be customized to remove documents by the count of authors.



AUTHOR ANALYSIS



Author Analysis



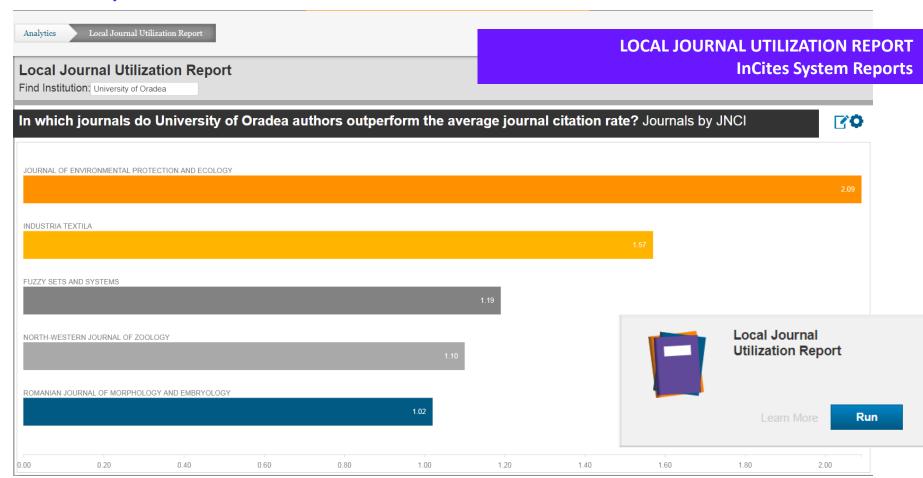
CONDITIONORCID/ResearcherID



JOURNAL ANALYSIS



Journal Analysis



Journal Analysis

PHYSICAL REVIEW B

■ ▶ APPLIED SURFACE SCIENCE

Name	Rank	Web of Science Documer	JOURNAL METRICS Availability of all Journal Metrics and possibility to filter and define the analysis		
■ ► PHYSICS LETTERS B	1	551	27,472	96.73%	
■ ▶ PHYSICAL REVIEW LETTERS	2	376	19,819	94.15%	
■ ► ASTRONOMY & ASTROPHYSICS	3	143	15,853	93.71%	
■ ▶ PHYSICAL REVIEW C	4	680	12,603	92.65%	
■ ▶ REVISTA DE CHIMIE	5	5,108	12,117	64.72%	
■ NEW ENGLAND JOURNAL OF MEDICINE	6	30	10,664	93.33%	
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	7	2,232	9,654	77.51%	
■ ► EUROPEAN PHYSICAL JOURNAL C	8	386	8,649	90.67%	
■ ▶ LANCET	9	50	8,547	84%	

317

577

10

11



96.85%

86.48%

6,492

6,400

Journal Analysis

Web of Science Documents Documents Per Page 10 ~ Article Title Authors Research Area **Publication** Source Volume Issue Times Category Journal Category Percentile Journal Date Cited -Expected Expected Normalized Normalized in Subject Impact Citations Citations Citation Citation Area Factor Impact Impact 1-29 2012 4471 Observation of a new particle in the search for Aad, G.; Abaiyan, T.; Abbott, PHYSICS ASTRONOMY & 716 33 21 16.25 134 61 275 06 01 4 807 B.; Abdallah, J.; Khalek, S. ASTROPHYSICS: the Standard Model Higgs boson with the ATLAS LETTERS detector at the LHC Abdel PHYSICS. PARTICLES & FIELDS: PHYSICS NUCLEAR Observation of a new boson at a mass of 125 Chatrchyan, S.: **PHYSICS ASTRONOMY &** 716 30-61 2012 4288 33.21 16.25 129.1 263.8 .01 4.807 GeV with the CMS experiment at the LHC Khachatrvan, V.: Sirunvan, LETTERS ASTROPHYSICS: A. M.; Tumasyan, A.; Adam, PHYSICS. PARTICLES & FIELDS: PHYSICS. NUCLEAR Article-level data **PHYSICS** PHYSICS. Combined search for the Standard Model Higgs Aad, G.; Abbott, B. boson using up to 4.9 fb(-1) of pp collision data Abdallah, J.: Khalek, S. LETTERS NUCLEAR view the individual articles, publication dates, citation counts, and at root s=7 TeV with the ATLAS detector at the Abdel; Abdelalim, A. A. PHYSICS. LHC PARTICLES &

journal/category expected citations, normalized citation impact*, FIFL DS: ASTRONOMY and percentile in subject — see how individual articles perform **ASTROPHYSIC** and where they fall in the citation distribution Aamodt, K.; Abrahantes **PHYSICS** PHYSICS. Suppression of charged particle production at LETTERS NUCLEAR large transverse momentum in central Pb-Pb Quintana, A.: Adamova, D.: collisions at root s(NN)=2.76 TeV PHYSICS. Adare, A. M.; Aggarwal, M. Link through to the record in the Web of Science™ PARTICLES & FIFL DS: Download the full article list (up to 50,000 records) ACTRONOMY

FUNDING ANALYSIS



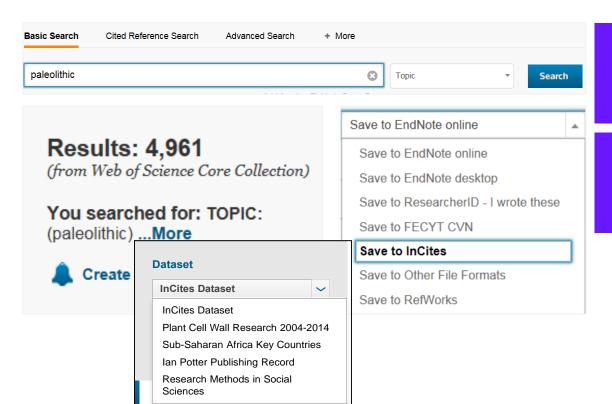
Funding Analysis



PROJECT EVALUATION ANALYSIS



Project Evaluation Analysis: Custom Dataset Analysis



CUSTOM DATASETS

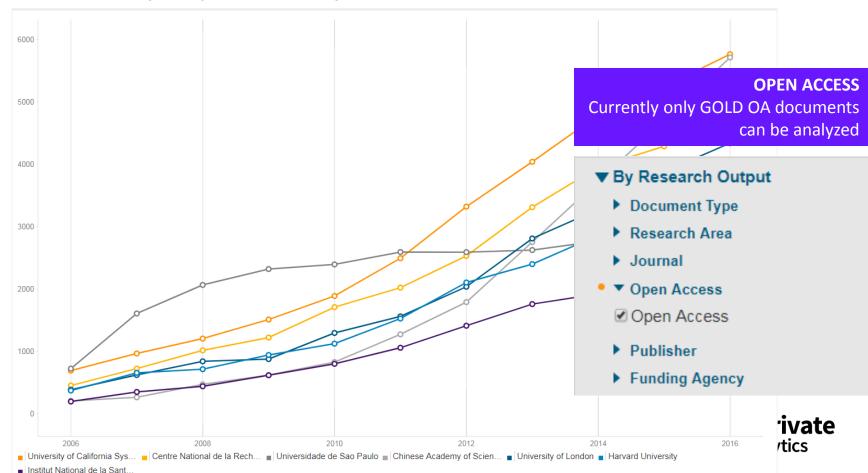
Analyse whatever set of papers, belonging to a project, to a research topic or to a scientific area

EVALUATE ALL THE PAPERS

Get article level metrics for any single paper of your project or topic you are analyzing



Project Evaluation Analysis: Open Access Analysis



Peer Review în România potrivit Publons



PEER REVIEW IS AT THE HEART OF RESEARCH

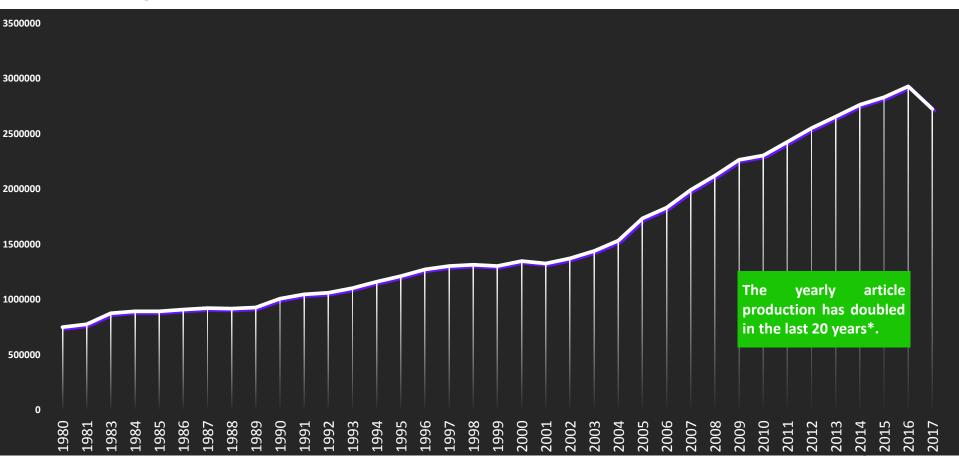






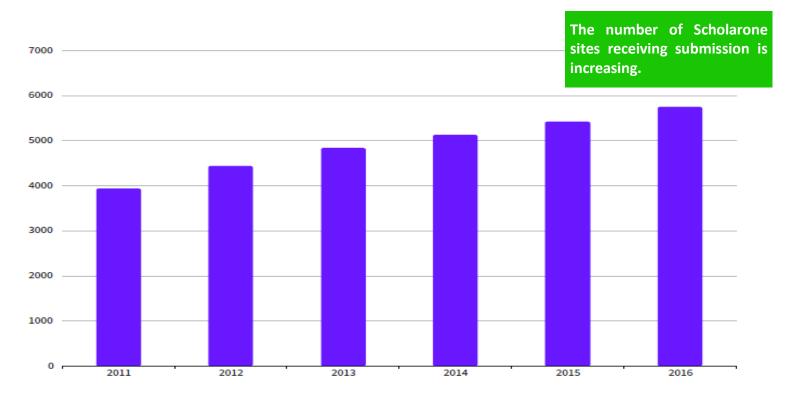


Publication growth a clear trend



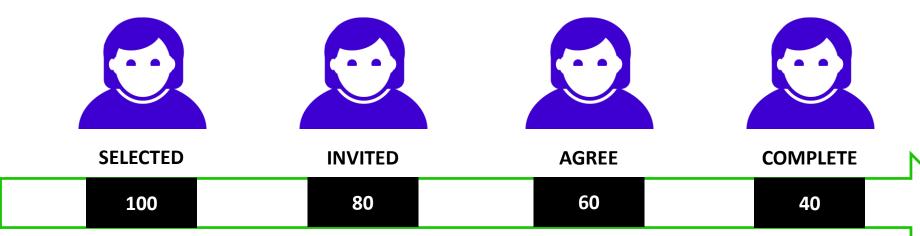
^{*}Data from Web of Science Core Collection

The consequence submission growth





Reviewers





Reviewer job is typically not rewarded every year around the world...



4MReviewers



\$2.2BN

USD of unreported scholarly output²



35M

Hours¹



50+

Average hours spent reviewing by one researcher



7M

Peer Reviews



3,125

Average working days spent reviewing by an institution with 500 active researchers



- 1. The STM Report: An overview of scientific and scholarly journal publishing, STM March 2015
- 2. The "Burden" of Peer Review, The Scholarly Kitchen

A bad peer review may cause problems downstream



RETRACTIONS



FRAUDULENT REVIEW RISKS



PREDATORY PUBLISHING

Peer review is an essential skill that is not being taught



TEACHING FACULTY

Lack resources to teach peer review, or covertly share their own reviewing assignments — often in breach of journal review policies.



EARLY CAREER RESEARCHERS

Want to review, but are not learning how and struggle to be invited by editors.



JOURNAL EDITORS

Spend millions of hours struggling to find peer reviewers.

PUBLONS MISSION SPEED UP RESEARCH BY HARNESSING THE POWER OF PEER REVIEW









A brief history of Publons











2013 2015 MAY 2017 JULY 2017 SEPT. 2017

PUBLONS FOUNDED

Small team in Wellington, New Zealand launch Publons — a new profile for researchers to track their peer review and editorial activity.

FIRST PUBLISHER INTEGRATIONS

Publisher partnerships allow automatic updates to a researcher's profile when a review is performed. Publishers and journals get access to a dashboard with tools and insights.

PUBLONS ACADEMY LAUNCHED

First free and practical online course training researchers how to peer review with the help of a mentor.

PUBLONS JOINS CLARIVATE ANALYTICS

Publons joins the home of *Web of Science*, leading to new features benefiting researchers, institutions, editors and publishers.

PUBLONS FOR INSTITUTIONS PILOTED

First partnerships with universities to provide reports on the peer review and editorial work their researchers are doing.



Publons today



Researcher Profiles



Publons Academy



Reviewer Recognition Service



Reviewer Connect



Institutions

310k+

REVIEWERS

1.7m+

REVIEWS

1,950+

INTEGRATED JOURNALS

50+

PARTNERED PUBLISHERS

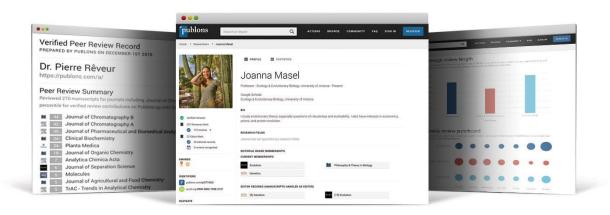
Academics now use Publons to track their peer review work

310,000 profiles

Publons provides academics with ready-touse evidence of the peer review and editorial work they perform.

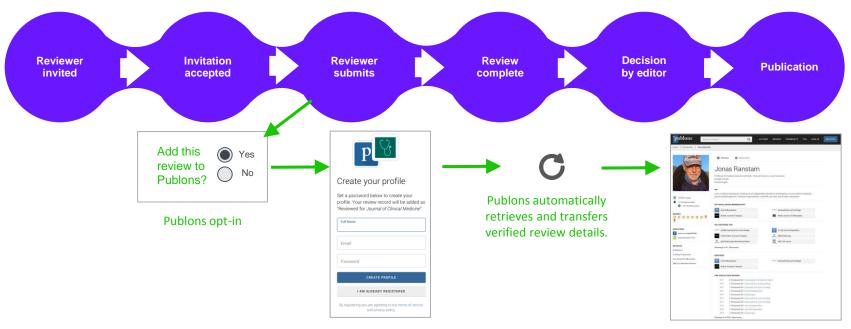
Free and easy to use.

- Track and showcase previously hidden peer review & editorial work for academic journals
- Link with ORCiD and ResearcherID
- Track Web of Science citations and Altmetric scores for papers authored, reviewed, or edited
- Manage peer review availability and invitations
- · Comment on and assess published research
- Download a verified record of review and editorial work, for inclusion in CVs



Keep track of your reviews with a few clicks

Automatically update your record thanks to integrations with over 1,950 journals



Publons checks for existing account. If none, invites reviewer to sign up

Profile updated with verified review record (No sensitive information is displayed)



Simple to add records for non-partnered journals

We verify these records behind the scenes and add the records to your profile.



- Email review receipts ('Thank you for reviewing emails) to reviews@publons.com
- Manually enter review details from your private dashboard.

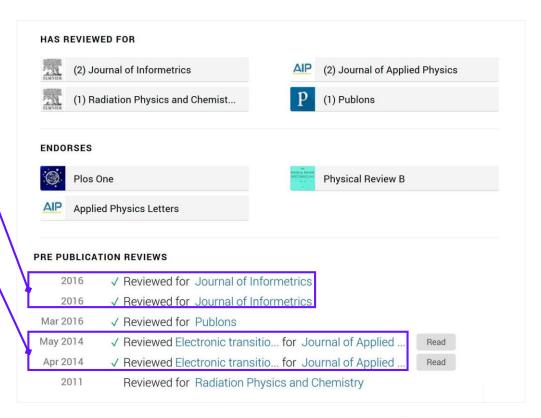


What information is public?

By default, we only show the **name of the journal reviewed** for and the year the review was performed.

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No matter what settings are chosen, Publons never reveals information about a manuscript until the manuscript has been published. Open reviews are linked to the article.

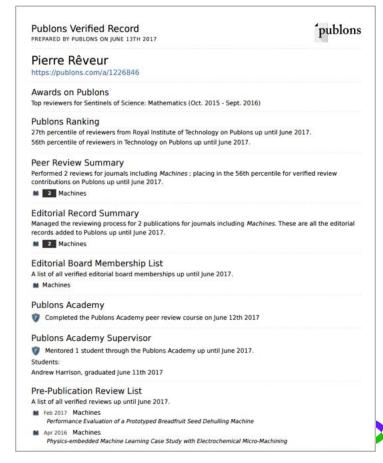




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Publons Academy

Enabling researchers to teach and learn essential peer review skills



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- Gain confidence in the core competencies for peer review
- Hone their own academic writing skills to impress editors
- Build their profile as an expert in their field and advance their career
- Understand the peer review process
- Connect with journal editors to start reviewing immediately

Developed together with editors, the Academy is 10 modules of short videos, practice reviews, and oneon-one supervision.



Reviewer Connect

Find, screen, and contact reviewers



7m+ authors (Web of Science) citations from Web of Science





310k+ reviewers
1.6m+ reviews
Reviewer profile and
availability

Comprehensive search parameters

- Title
- Abstract
- Authors / applicants
- Exclude researchers
- (Journal)

Powerful and accurate search

Our powerful algorithm trawls the extensive Web of Science citation index and Publons exclusive review database to return up to 30 precise recommendations from over 7 million authors.

360° view of reviewer candidates

We surface more information to help our users choose the right review candidates to invite, including:

- Publications matched to search
- Publication, editorial, and review history
- Research fields
- Biography and institutional affiliations
- Current availability to review

Reliably contact prospective reviewers

By contacting reviewers via their Publons email address, invitations will be routed to the reviewer candidate preferred, verified, and current email address.

And rest assured, our system uses the latest technology to ensure full compliance with global data privacy regulations.





Publons for Institutions

Our services for universities give administrators the tools and data required to help academics use peer review to advance their careers, and provide immediate value.

It's expected reviews will be acknwoledged as another valid metrics for evaluating people and their career progression.



Reviewer Profiles

We encourage and support academics to setup profiles they'll use to demonstrate their expertise.



Reviewer Training

Good reviewers make good researchers. The **Publons Academy** enables your faculty to easily teach and learn essential peer review skills and showcase their expertise to editors.



Publons Dashboard

We provide you the evidence and reports of peer review needed to strengthen assessments.



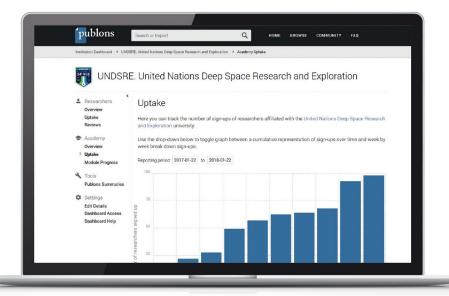
Publons API

Link up the API to CRIS or profile systems to get a complete picture of academic esteem.



Publons Dashboard

Get an Easy Overview of the Stats of Your Institution's Researchers



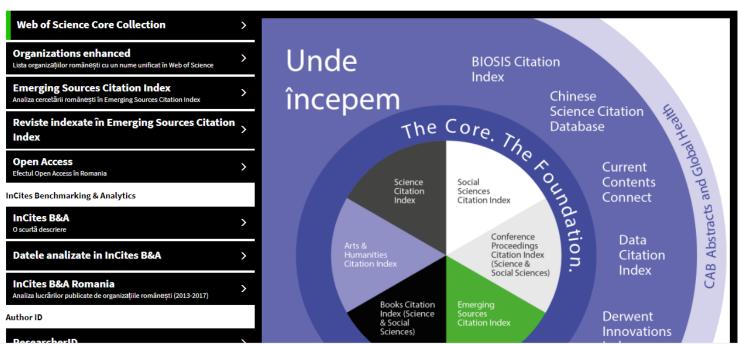
The dashboard enables university administrators to:

- Gain insight into the peer review activity at their university
- Track uptake in different subject areas
- Identify your top peer reviewers and journal editors
- Access reports and summaries for easy use in assessments and funding applications











Mai multe resurse

- 1. Clarivate Libguides http://clarivate.libguides.com/home
- 2. Web of Science You Tube Channel https://www.youtube.com/user/WoSTraining



Clarivate Analytics is an independent company on a bold entrepreneurial mission to help our clients radically reduce the time from new idea to life-changing innovation.

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