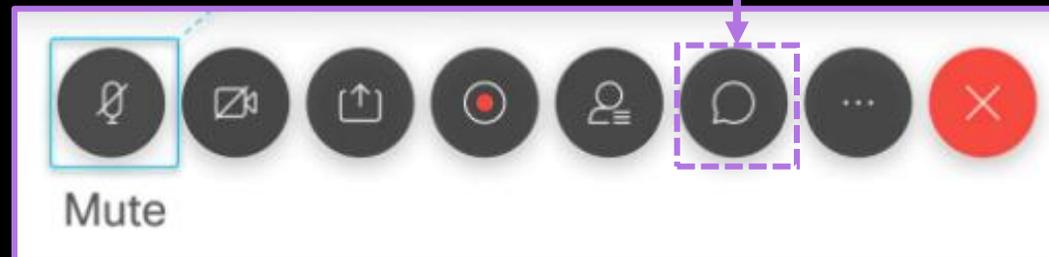


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**Adriana Filip**

Senior Manager  
Customer Success Consulting

[Adriana.Filip@clarivate.com](mailto:Adriana.Filip@clarivate.com)



# Colaborarea strategică în cercetare

Valorificarea informațiilor privind  
colaborarea cu Web of Science și InCites



# Importanța crescândă a colaborărilor în cercetare

# Colaborările sunt importante peste tot, în numeroase scopuri

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## New Zealand research institutions sign collaboration agreement

By Jenny Sinclair



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## Research and innovation

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## African research administrators push for more collaboration

By Linda Nordling in Stellenbosch



9 Dec 2025

INTERNATIONAL

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+61 3 8344 4123

## Australia-India Research Collaboration Framework released



L-R: Education Minister Jason Clare, AII CEO Lisa Singh, Indian Minister for Education Shri Dharmendra Pradhan. Image: Supplied

A landmark framework will drive the next phase of Australia-India research collaboration, shaping multi-sector partnerships that tackle shared challenges and deliver real-world impact.

**THE Times Higher Education**

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## In these times, UK-German research collaboration must be ramped up

The recent Germany-UK Treaty provides a platform to build on existing links and boost success in the next Horizon Europe, say Chris Day and Michael Hoch

Published on August 7, 2025  
Last updated August 7, 2025  
[Chris Day](#) [Michael Hoch](#)  
Twitter: [@prof\\_chrisday](#)

Our continent is entering a decisive phase to ensure its security and competitiveness. As governments seek new answers to challenges, such as robust growth and global security, the UK and Germany have a powerful tool to hand: deep, trusted and high-impact research collaboration. Now is the time to take the next step to further strengthen this immensely valuable partnership.



Sources: Frank Augstein/Getty Images/Stock montage

Today, the UK and Germany's relations are

## Leading innovation through EU research

Investing in research and innovation is investing in Europe's future. It helps us to compete globally, preserve our unique social model. It improves the daily lives of millions of people here in Europe and around the world, helping to solve some of our biggest societal challenges.

Support for research and innovation adds value by **encouraging cooperation between researchers across countries and disciplines that is vital in making breakthrough discoveries.**

[Goals of EU research and innovation policy](#)  
[Summaries of EU legislation on research and innovation](#)

With its multiannual research and innovation framework programmes, the EU provides funding to:

- strengthen the EU's position in science
- strengthen industrial innovation, including investment in key technologies, greater access to capital and support for small businesses
- address major social concerns, such as climate change, sustainable transport and renewable energy

- ensure technological breakthroughs are developed into viable products with real commercial potential – by building partnerships with industry and governments
- step up international cooperation on research & innovation

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UK Europe USA **Australia & NZ** Africa World Opinion Funding Insight Highlighted Funding

Go back **RESEARCH DESTINY** 10 DEC 2025

## Fraying university-business collaboration demands action

By Rosalind Gil



“UKRI can only help steer national priorities if institutions can make strategic choices, not defensive ones.”  
Rosalind Gil, National Centre for Universities and Business

The coming year will determine whether the UK remains an innovation leader, says Rosalind Gil  
Collaboration between universities and business has been one of the UK's understated advantages.

## SCIENCE | BUSINESS

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Brandon Mitchener



The European Union's official motto is "United in Diversity." In the case of the global chips market, it might just as well be "United in Adversity." Against a backdrop of geopolitical tensions and potential trade disruptions, **Europe is pursuing greater international cooperation on chip research, design, production and packaging.**

"We've been able to build a defence alliance with NATO," says Jean-Luc di Paola-Galloni, global external affairs and chief sustainability officer at Valeo, a French automotive supplier, and chair of the private members board of Europe's Chips Joint Undertaking. **"Now we need to build intelligent and diversified alliances with other partners" around the world,** he said.

Following the massive trade war, **the EU is making a massive effort to develop international partnerships with "like-minded" countries and territories in a range of areas from research and development to**

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# Colaborările sunt importante peste tot, în numeroase scopuri



MINISTERUL EDUCAȚIEI ȘI CERCETĂRII

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MARTIE 28, 2023 | 12:42 | COMUNICATE, COMUNICATE DE PRESĂ, SLIDE

### COLABORARE ROMÂNIA-POLONIA ÎN DOMENIUL TRANSFORMĂRII DIGITALE

În contextul ședinței comune de guvern (G2G) între România și Polonia, a avut loc întâlnirea oficială dintre secretarul de stat Eduard Mititelu și sub-secretarul de stat Pawel Lewandowski, Digitalizării.

În conformitate cu obiectivele Parteneriatului Strategic dintre Republica România și Polonia, angajamentul de a consolida cooperarea bilaterală în domeniul digitalizării,

„Colaborarea cu Polonia poate aduce contribuții reale pentru ambele state în domeniul Blockchain, Robot Process Automation/RPA, tehnologii Cloud). Parteneria cloud-ul guvernamental, interoperabilitatea sistemelor IT și aplicațiilor. s



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## Direcția Managementul Cercetării Științifice

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## Proiectele de cercetare și colaborare cu universități din Africa, finanțate prin intermediul CIVIS. Comunitatea academică a UB, invitată să aplice



UNIVERSITATEA DIN BUCUREȘTI  
VIRTUTE ET SAPIENTIA

Categorii articole

# De ce colaborările sunt importante

## Provocări

Există **provocări majore** în colaborarea academică și în cercetare:

- ✓ Riscuri de siguranță (rezultatele cercetării civile pot fi utilizate în scopuri militare)
- ✓ Furtul de date și transferul de tehnologie
- ✓ Riscuri juridice și administrative (lipsa contractelor privind utilizarea proprietății intelectuale etc.)
- ✓ Probleme legate de răspundere
- ✓ Diferențe culturale și lingvistice
- ✓ Ineficiențe
- ✓ Coordonare și gestionare
- ✓ Stimulente și recunoaștere

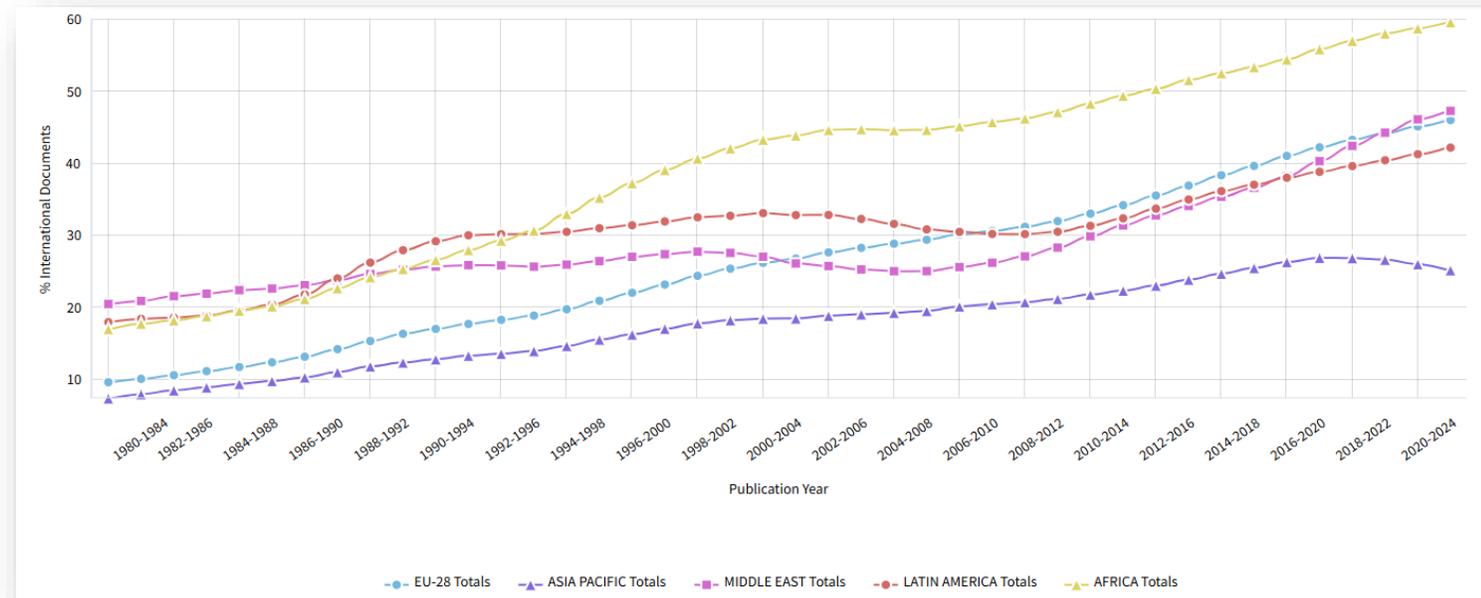


# De ce colaborările sunt importante

## Opportunities

În ciuda acestor provocări, **producția științifică globală continuă să crească**, punându-se un accent tot mai mare pe colaborare, în special pe colaborarea internațională. Printre oportunități se numără:

- ✓ Reunirea expertizei
- ✓ Creșterea eficienței în rezolvarea problemelor interdisciplinare complexe
- ✓ Transferul mai ușor al cunoștințelor din mediul academic către industrie, accelerând inovarea
- ✓ Partajarea resurselor
- ✓ Rețelele internaționale



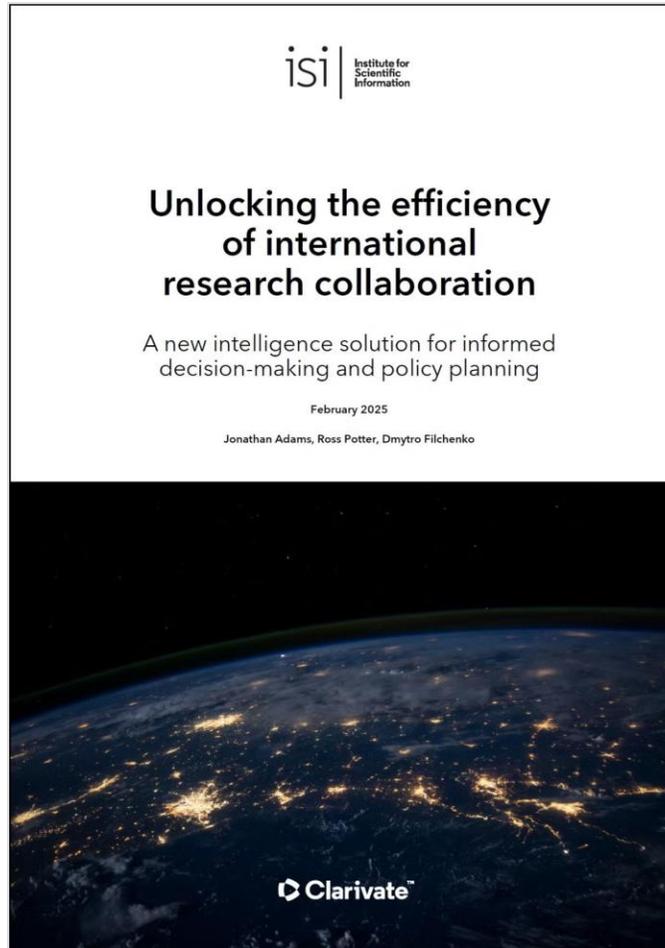
Procentul documentelor internaționale din totalul producției pe regiune

# Un peisaj în schimbare al colaborării globale

Schimbarea modelelor de colaborare din cauza tensiunilor geopolitice, perturbărilor cauzate de pandemie și investițiilor strategice naționale

Institute for Scientific Information (ISI) a publicat anul trecut două rapoarte pe tema colaborării:

- Analyzing collaborations in even more detail in InCites with new indicators normalizing for collaboration type ([download here](#))
- Changing patterns in global collaboration ([download here](#))



# Schimbări în colaborarea globală

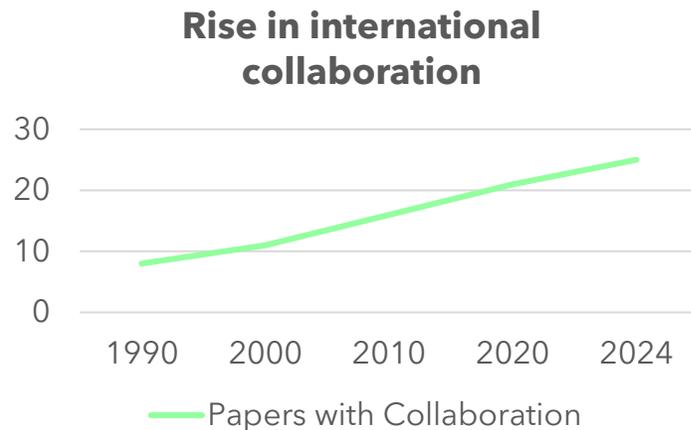
## Principalele concluzii ale recentului raport ISI

- Multilateralismul este în creștere - trecerea de la colaborarea bilaterală la cea multilaterală.
- Influența în creștere a Chinei continentale.
- Producția SUA este în scădere, iar ponderea colaborării globale se reduce
- Colaborarea generează impact
- Implicațiile strategice includ:
  - Universitățile ar trebui să acorde prioritate parteneriatelor multilaterale și să monitorizeze tendințele CNCI pentru a evalua impactul rezultatelor colaborării.
  - Finanțatorii trebuie să recunoască importanța crescândă a economiilor emergente și să sprijine modele de colaborare incluzive și cu impact ridicat.
  - Decidenții politici ar trebui să echilibreze preocupările legate de securitatea națională cu necesitatea unui schimb științific deschis, în special în domeniul tehnologiilor critice și emergente.

# Colaborarea este omniprezentă

Cum putem vedea dincolo de influența colaborării?

- Cercetarea devine din ce în ce mai internațională, colaborările internaționale crescând de la 8% în anii 1990 la peste 25% în prezent.
- Colaborarea influențează modelele de citare.
- Lucrările naționale tind să primească mai puține citări decât cercetările cu coautori internaționali.



- Evaluările performanței care ignoră acești factori pot trece cu vederea anumite aspecte, indiferent dacă impactul provine din calitatea cercetării sau din modelele de colaborare.

Lucrări cu colaborări  
internaționale primesc

70%

citări mai multe în medie



# Identificarea și înțelegerea rezultatelor colaborării

# Definiția rezultatelor colaborative

## Coautorat – Cerințe privind metadatele

Identificarea corectă a colaborărilor necesită metadate complete și consecvente pentru toate publicațiile din sursa de date care urmează să fie analizată.

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**Author Information**

Corresponding Address: Abu-Shawareb, H. (corresponding author)

**Addresses:**

- 1 Gen Atom Co, San Diego, CA 92186 USA
- 2 Lawrence Livermore Natl Lab, POB 808, Livermore, CA 94551 USA
- 3 MIT, Cambridge, MA 02139 USA
- 4 Polymath Res Inc, 827 Bonde Court, Pleasanton, CA 94566 USA
- 5 Los Alamos Natl Lab, Mail Stop F663, Los Alamos, NM 87545 USA
- 6 Nevada Natl Secur Site, 232 Energy Way, North Las Vegas, NV 89030 USA
- 7 Sandia Natl Labs, POB 5800, Albuquerque, NM 87123 USA
- 8 Imperial Coll London, Plasma Phys, South Kensington Campus, London SW7 2AZ, England
- 9 Luxel Corp, POB 1879,60 Saltspring Dr, Friday Harbor, WA USA
- 10 Univ Rochester, Lab Laser Energet, Rochester, NY 14623 USA
- 11 Univ Calif Berkeley, Dept Nucl Engr, 4165 Etcheverry Hall, Berkeley, CA 94720 USA
- 12 Lawrence Berkeley Natl Lab, 1 Cyclotron Rd, Berkeley, CA 94720 USA
- 13 Gryphon Technol, 303 Lindbergh Ave, Livermore, CA 94551 USA
- 14 Princeton Plasma Phys Lab, 100 Stellarator Rd, Princeton, NJ 08540 USA
- 15 CEA DAM DIF, F-91297 Arpajon, France
- 16 US DOE, Natl Nucl Secur Adm, Off Def Programs, Washington, DC 20585 USA
- 17 SLAC Natl Accelerator Lab, Menlo Pk, CA 94025 USA
- 18 Univ New Mexico, Dept Nucl Engr, MSC01 1120,1 Univ New Mexico, Albuquerque, NM 87131 USA
- 19 Univ Michigan, Climate & Space Res Bldg,2455 Hayward St, Ann Arbor, MI 48109 USA
- 20 Kentech Instruments Ltd, Isis Bldg,Howbery Pk, Wallingford OX10 8BD, Oxon, England
- 21 Atom Weap Estab, Aldermaston RG7 4PR, England
- 22 Univ Oxford, Dept Phys, Clarendon Lab, Parks Rd, Oxford OX1 3PU, England
- 23 Spectral Sci Inc, 4 Fourth Ave, Burlington, MA 01803 USA
- 24 Fraunhofer Inst Laser Technol ILT, D-52066 Aachen, Germany
- 25 Rhein Westfal TH Aachen, D-52066 Aachen, Germany
- 26 Swinburne Univ Technol, Opt Sci Ctr, Dept Phys & Astron, Hawthorn, Vic 3122, Australia
- 27 US Naval Res Lab, Plasma Phys Div, 4555 Overlook Ave SW, Washington, DC 20375 USA
- 28 Washington State Univ, Off Res, POB 641060, Pullman, WA 99164 USA
- 29 Ecole Polytech, Lab Utilisat Lasers Intenses Chez, F-91128 Palaiseau, France
- 30 Univ Nevada Reno, Dept Phys, MS 0220,1664 Virginia St, Reno, MS 89557 USA
- 31 Univ Paris Saclay, LMCE, CEA, F-91680 Bruyeres Le Chatel, France
- 32 Michigan State Univ, Dept Computat Math Sci & Engr, E Lansing, MI 48824 USA
- 33 GSI Helmholtzzentrum Schwerionenforsch GmbH, Planckstr 1, D-64291 Darmstadt, Germany

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Addresses : 1 Tech Univ Carolo Wilhelmina Braunschweig, Cellular & Mol Neurobiol, D-38106 Braunschweig, Germany

Affiliation Braunschweig University of Technology

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Addresses : 1 TU Braunschweig, Inst Plant Biol, Plant Biotechnol & Bioinformat, Braunschweig, Germany

Affiliation Braunschweig University of Technology

ROR ID: https://ror.org/010nsgg66

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## Export Excel

Publ catio n	Authors	Article Title	Source Title	Docume nt Type	Addresses	Affiliations
J	Uhlemann, N; Fent, F; Lienkamp, M	Evaluating Pedestrian Trajectory Prediction Methods With Respect to Autonomous Driving	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	Article	[Uhlemann, Nico; Fent, Felix; Lienkamp, Markus] Tech Univ Munich, Inst Automot Technol, Sch Engn & Design, Dept Mobil Syst Engn, D-80333 Munich, Germany; [Uhlemann, Nico; Fent, Felix; Lienkamp, Markus] Tech Univ Munich, Munich Inst Robot & Machine Intelligence MIRMI, Munich, Germany	Technical University of Munich; Technical University of Munich
J	Martinez, FS; Casas-Roma, J; Subirats, L; Parada, R	Spiking neural networks for autonomous driving: A review	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	Review	[Martinez, Fernando S.; Subirats, Laia] Univ Oberta Catalunya UOC, Ehlth Ctr, Rambla Poblenou 156, Barcelona 08018, Catalonia, Spain; [Martinez, Fernando S.] Volkswagen AG, Berliner Ring 2, D-38440 Wolfsburg, Lower Saxony, Germany; [Casas-Roma, Jordi] Univ Autonoma Barcelona, Comp Vis Ctr, Plaza Civ, Barcelona 08193, Catalonia, Spain; [Parada, Raul] Ctr Tecnol Telecomunicac Catalunya CTTC CERCA, Ave Carl Friedrich Gauss 7, Barcelona 08860, Catalonia, Spain	UOC Universitat Oberta de Catalunya; Volkswagen; Volkswagen Germany; Autonomous University of Barcelona; Centre de Visio per Computador (CVC)

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## Rapid groundwater decline and some cases of recovery in aquifers globally

Highly Cited Paper Hot Paper

By  
Are you this author?

Jasechko, S (Jasechko, Scott) [1]; Seybold, H (Seybold, Hansjorg) [2]; Perrone, D (Perrone, Debra) [3]; Fan, Y (Fan, Ying) [4]; Shamsudduha, M (Shamsudduha, Mohammad) [5]; Taylor, RG (Taylor, Richard G.) [6]; Fallatah, O (Fallatah, Othman) [7]; [8]; Kirchner, JW (Kirchner, James W.) [2], [9], [10]

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NATURE

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Volume: 625 Issue: 7996  
DOI: 10.1038/s41586-023-06879-8

Published

JAN 25 2024

Indexed

2024-02-05

Document Type

Article

Groundwater resources are vital to ecosystems and livelihoods. Excessive groundwater withdrawals can cause groundwater levels to decline(1-10), resulting in seawater intrusion(11), land subsidence(12,13), streamflow depletion(14-16) and wells running dry(17). However, the global pace and prevalence of local groundwater declines are poorly constrained, because in situ groundwater levels have not been synthesized at the global scale. Here we analyse in situ groundwater-level trends for 170,000 monitoring wells and 1,693 aquifer systems in countries that encompass approximately 75% of global groundwater withdrawals(18). We show that rapid groundwater-level declines (>0.5 m year<sup>-1</sup>) are widespread in the twenty-first century, especially in dry regions with extensive croplands. Critically, we also show that groundwater-level declines have accelerated over the past four decades in 30% of the world's regional aquifers. This widespread acceleration in groundwater-level deepening highlights an urgent need for more effective measures to address groundwater depletion. Our analysis also reveals specific cases in which depletion trends have reversed following policy changes, managed aquifer recharge and surface-water diversions, demonstrating the potential for depleted aquifer systems to recover.

**Keywords Plus:** BOHEMIAN CRETACEOUS BASIN; CLIMATE-CHANGE IMPACTS; MULTIVARIATE STATISTICAL TECHNIQUES; DECCAN VOLCANIC PROVINCE; SALINE-WATER INTRUSION; MULTI-TRACER APPROACH; BONAB PLAIN AQUIFER; RIVER ALLUVIAL-FAN; GAREH-BY-GONE PLAIN; HARD-ROCK AQUIFER

Corresponding Address: Jasechko, Scott (corresponding author)

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  - 3 Univ Calif Santa Barbara, Environm Studies Program, Santa Barbara, CA USA
  - 4 Rutgers State Univ, Dept Earth & Planetary Sci, New Brunswick, NJ USA
  - 5 UCL, Inst Risk & Disaster Res, London, UK
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            "daisng_id": "1403487",
            "orcid_id": "0000-0001-6470-7708",
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                    "content": "University of California System"
                  },
                  {
                    "pref": "Y",
                    "ror_id": "https://ror.org/02t274463",
                    "content": "University of California Santa Barbara"
                  },
                  {
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                    "content": "University of California Santa Barbara David Bren School of Environmental Science and Management"
                  }
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              "count": 4
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            "state": "CA",
            "suborganizations": {
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              "suborganization": "Bren Sch Environm Sci & Management"
            }
          }
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      },
      "orig_seq": 1
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  }
}
```

Pref: Yes for unified Affiliation

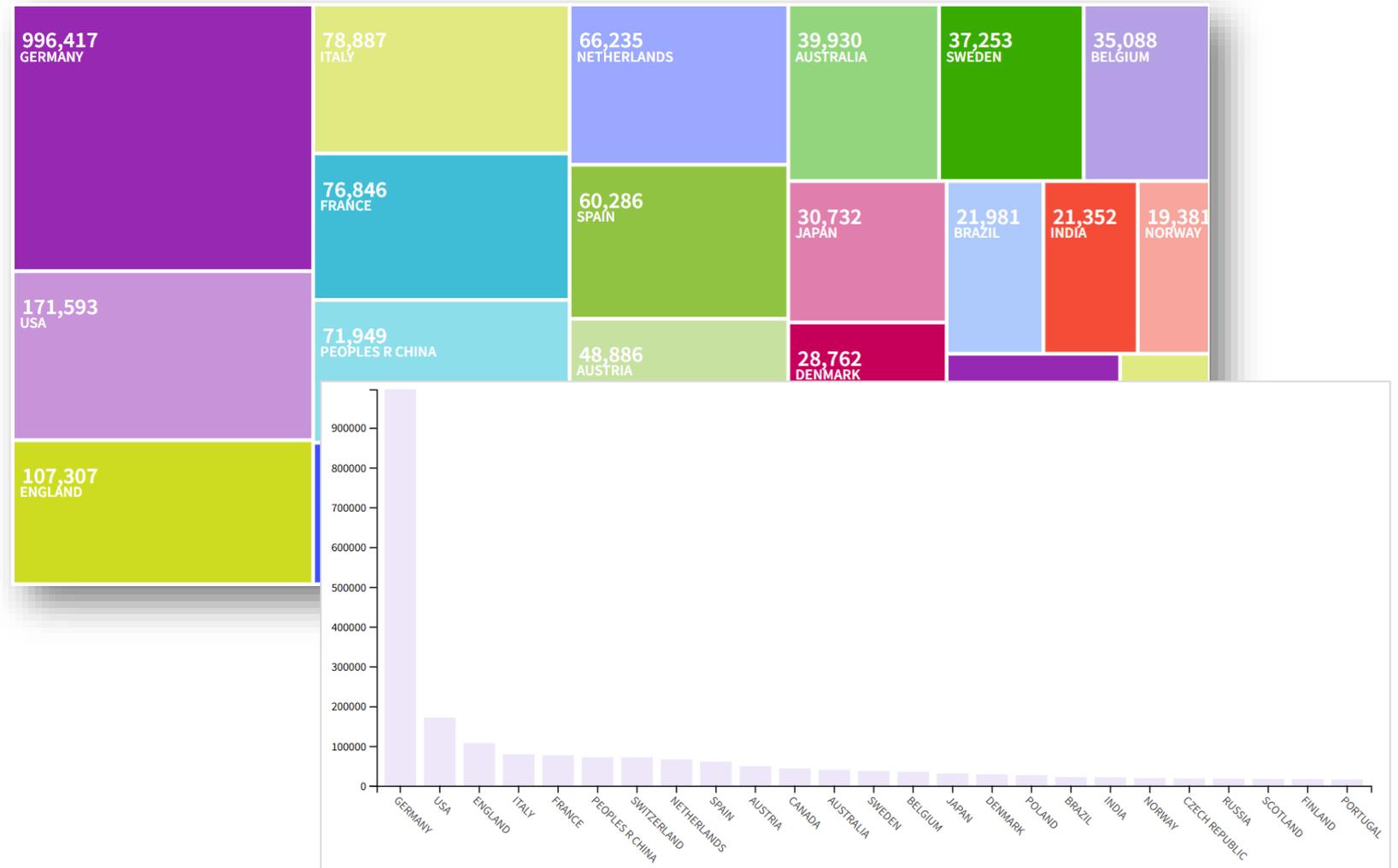


# Analiza colaborărilor în Web of Science

# Analiza colaborărilor în Web of Science

La nivel național - Care sunt țările cu cea mai bună colaborare?

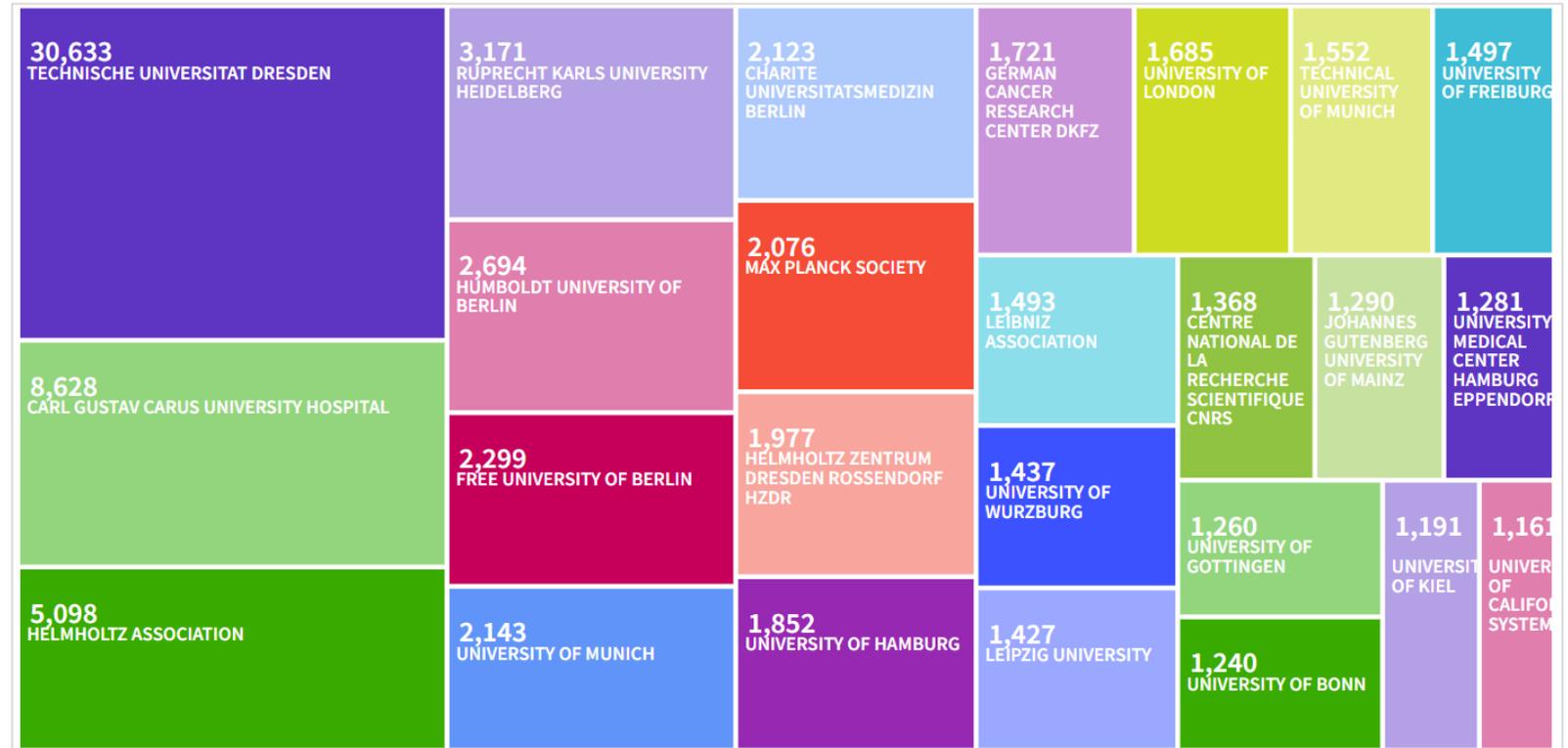
- Căutați țara
- Analizați rezultatele în funcție de țară
- Vizualizați până la 25 de țări cu cea mai mare colaborare
- Exportați lista cu țările și documentele în Excel
- Creați-vă propriile diagrame



# Analiza colaborărilor în Web of Science

La nivel organizațional - Care sunt principalele instituții cu care colaborați?

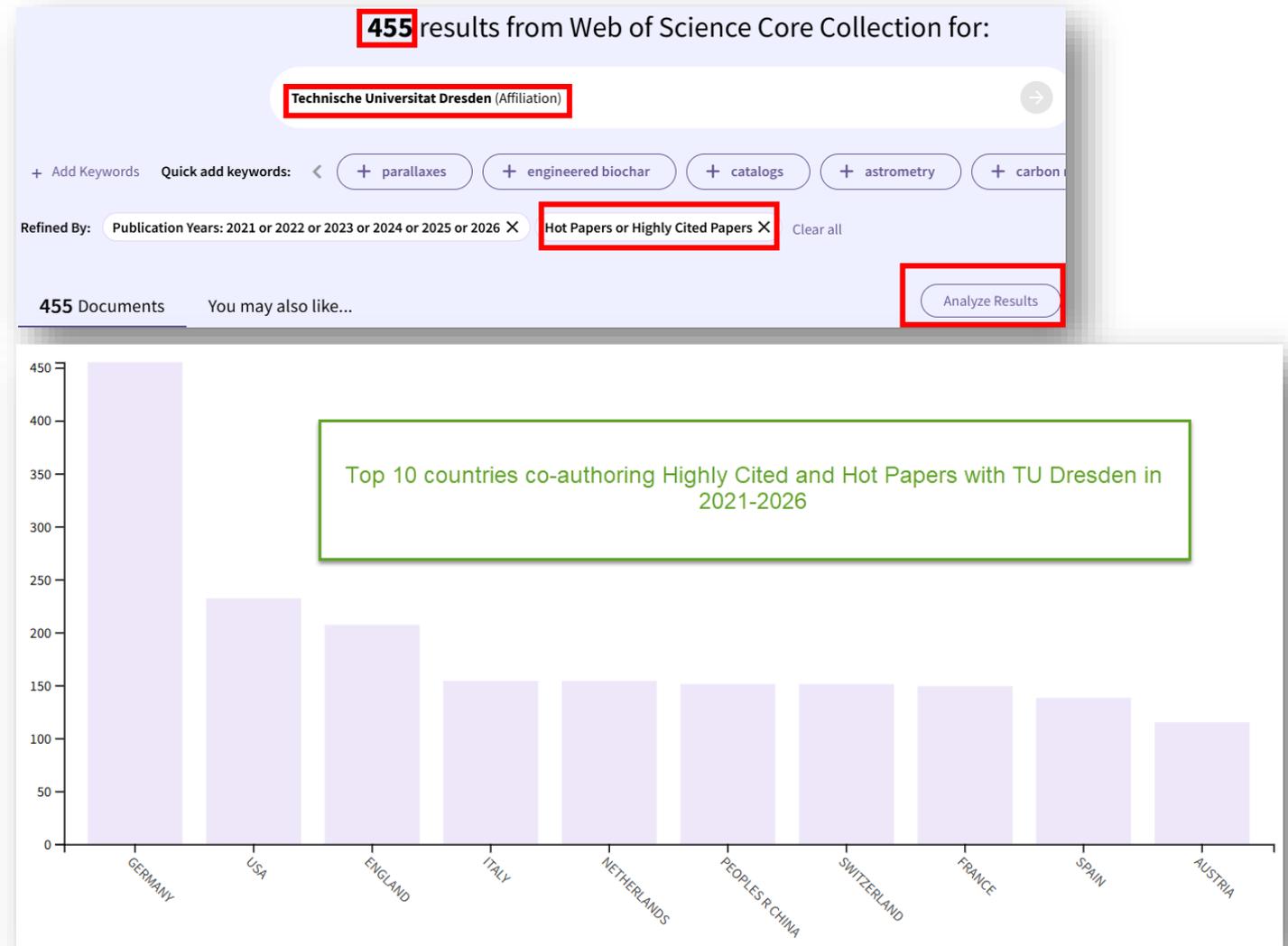
- Căutați afilierea,
- Explorați pentru a vedea
  - Autorii care colaborează
  - Categoriile Web of Science în care are loc colaborarea
  - Citation Topics sau SDG



# Analiza impactului colaborării în Web of Science

Cât de reușite au fost colaborările?

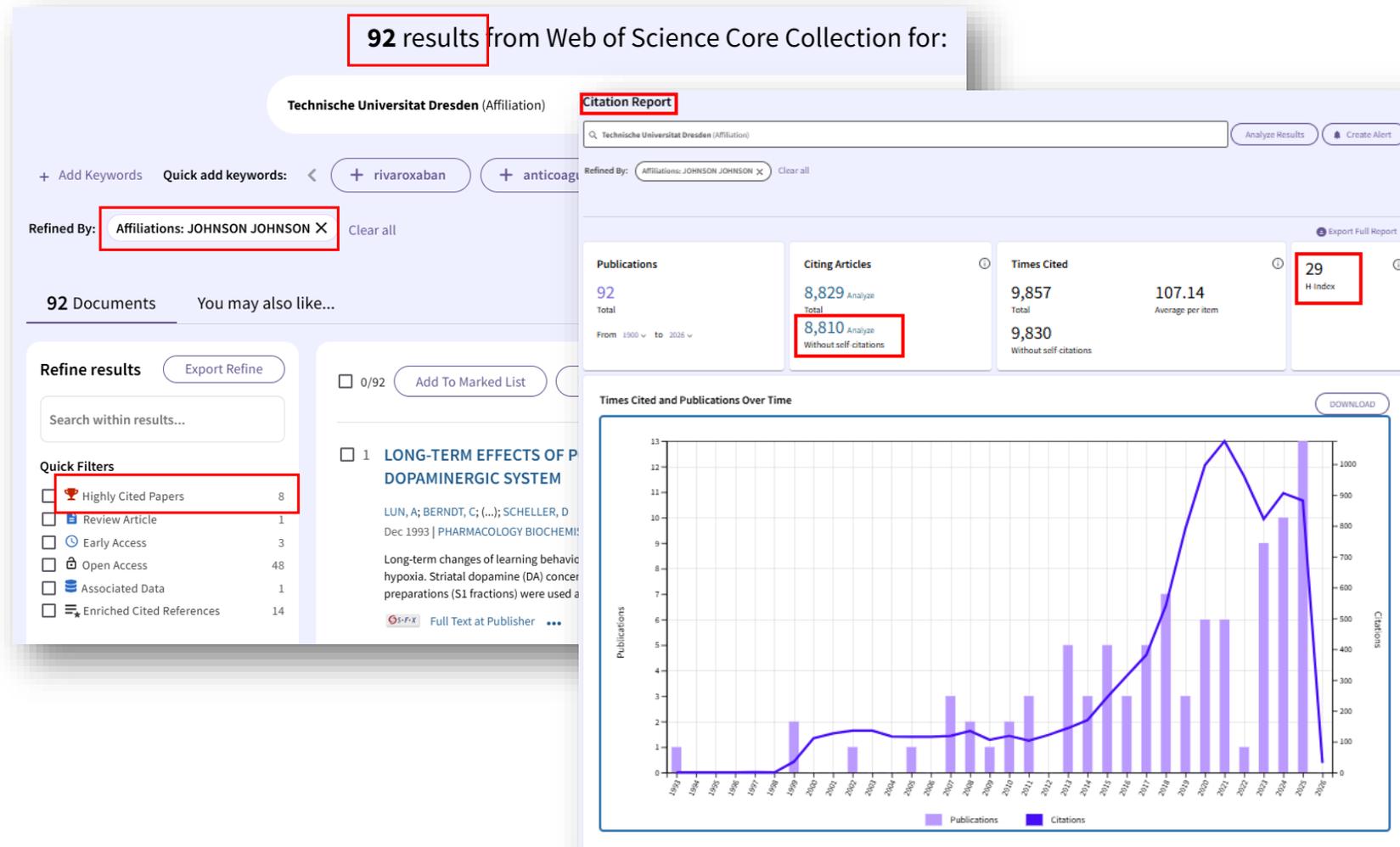
- Căutați afilierea
- Filtrați după cele mai citate articole (Highly Cited și Hot Papers) pentru a vedea articolele cele mai influente.
- Analizați rezultatele după țări, afilieri sau autori pentru a vedea cu cine ați produs cele mai citate articole.
- Analizați în detaliu pentru a identifica domeniile de cercetare de succes.



# Analiza impactului colaborării în Web of Science

Cât de reușite au fost colaborările cu partenerii selectați/în domeniile selectate?

- Căutați afilierea
- Analizați rezultatele sau filtrați după afiliere sau domeniu de cercetare și selectați .
- Vizualizați articolele cu cele mai multe citări.
- Generați un raport de citări.
- Analizați rezultatele citărilor pentru a vedea cine a fost influențat de colaborarea dvs. (inclusiv mai multe articole de top).
- Consultați indicele Hirsch pentru a înțelege rata de citare (dacă doar câteva articole de succes constituie majoritatea citărilor).



**Bernhard Schmid**   Highly Cited Award Recipient  Top Peer Reviewer  
(Schmid, Bernhard) | University of Zurich

**Author Summary** 

Bernhard Schmid is currently affiliated with the University of Zurich and is recognized as a highly cited researcher in multiple categories, including Environment and Ecology and Cross-Field. Their research primarily focuses on the interplay between biodiversity and ecosystem functioning...

Show more    Generated March 2023

Author Summary was generated by Web of Science Research Assistant.

**Identifiers**  Web of Science ResearcherID: C-8625-2009  
<https://orcid.org/0000-0002-4430-3214>

**Published names**  Schmid, Bernhard | Schmid, B | SCHMID, B | Schmid, B | Steidinger, B. S.

**Organizations**  Peking University  
University of Zurich  
University of Quebec  
University of Basel  
Dept Evolutionary Biol & Environm Studies

**Subject Categories**  Environmental Sciences & Ecology; Plant Sciences; Science & Technology - Other Topics; Evolutionary Biology; Forestry

**Topics**  Biodiversity | Grassland | Species Richness | Plant | Ecosystem | Forest | Plant Community | Func 

**Awards**  Highly Cited Researcher in the field of Cross-Field - 2019  
Highly Cited Researcher in the field of Environment and Ecology - 2017 

Documents (542) | Peer Review (283) | Grants (3)

All Indexed Documents (521) | Web of Science Core Collection (493) | Preprints (6)

Other Collections (24) | Non-Indexed Documents (22)

Author Position: All Publications | Filters: Select Filters | PECCY CWN | Sort by: Date: newest fl... | < 1 of 10 >

491 results

- Article**  

**Desmodium volatiles in 'push-pull' cropping systems and protection against the fall armyworm, *Spodoptera frugiperda*** 48 References

Odermatt, DM; Chidambaram, P; L.; Schuman, MC  
Oct 9 2023 | ELPF | 13

Push-pull systems for sustainable pest management combine repellent stimuli from intercrops ('push') and attractive stimuli from border plants ('pull') to repel herbivorous insects from a main crop and attract the herbivores' natural enemies. The most widespread... Show more

 Free Full Text From Publisher
- Article**  

**Forest biodiversity increases productivity via complementarity from greater canopy structural complexity** 1 Citation  
84 References

Deng, X.; Schmid, B.; Li, X.  
Oct 7 2023 | PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA | 122140

The horizontal distribution and vertical stratification of tree crowns can affect light interception and tree growth, thus driving forest productivity and carbon storage. However, how canopy structure is affected by tree diversity and thus can mediate its effects on productivity... Show more

 Free Full Text From Publisher | View Associated Data
- Article**  

**Genetic variation in leaf chemistry driven by herbivory affects phyllosphere fungal communities in an invasive plant** 2 Citations  
80 References

Zhou, LF; Zhao, YC.; Ding, JQ  
Oct 2023 | JOURNAL OF PLANT ECOLOGY | 1810

 Enriched Citations

Leaf chemistry plays a central role in structuring phyllosphere microbiomes. Plant populations often evolve genetic differences in leaf chemistry across region due to both abiotic and biotic selection pressures, including insect herbivory. Plants in invasive populations m... Show more

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- Article** 

**Positive Diversity Effect on Woody Biomass Production by Promoting Cell Number and Cell Wall Thickness** 64 References

Zhang, HT; Liu, TT.; Tang, YF  
Dec 2023 | PLANT CELL AND ENVIRONMENT | 48121, pp.9002-9010

While biodiversity has been widely shown to promote tree growth in forests, the effects of diversity at the cellular level remain unclear. This hinders a deeper understanding of how diversity influences wood production. Here, we investigated the influence of neighbourho... Show more

 Full Text at Publisher
- Article** 

**The tree growth-herbivory relationship depends on functional traits across forest biodiversity experiments** 1 Citation

**Metrics** 

**Citation metrics** 

Web of Science Core Collection citations 

110 H-index	491 Documents
53,133 Sum of Times Cited	34,073 Citing Articles
50,133 Sum of Times Cited without self-citations	33,648 Citing Articles without self-citations

[View citation report](#)

All databases citations 

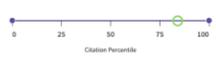
118 H-index	521 Documents
63,494 Sum of Times Cited	40,921 Citing Articles
60,386 Sum of Times Cited without self-citations	40,494 Citing Articles without self-citations

[View citation report](#)

Other citations 

31 Sum of Times Cited by Patents	31 Citing Patents
6 Sum of Times Cited by Policy	4 Citing Policy Documents

**Author impact Beamplot Summary** 



Author's publication percentile range  
Overall citation percentile median

Percentile range displays for authors from 1980 to 2024. View all publications in full beamplot.

[Open metrics dashboard to view the beamplot](#)

**Author Position** 

First	7%
Last	39%
Corresponding	12%

**You might be interested in...**

How are recommendations generated?

Bello, Francesco Armando Di  
Consejo Superior de Investigaciones Científicas (CSIC)  
Top Journal: Journal Of Vegetation Science

Heino, Jami  
University of Oulu  
Top Journal: Freshwater Biology

[See more authors](#)

**Co-authors** 

71	Christiane Roscher
62	Bruehlheide, Helge
60	Michael Scherer-Lorenzen
58	Ma, Keqing
57	Pascal A Niklaus

[View co-author visualization](#)

# Analiza colaborărilor în Web of Science

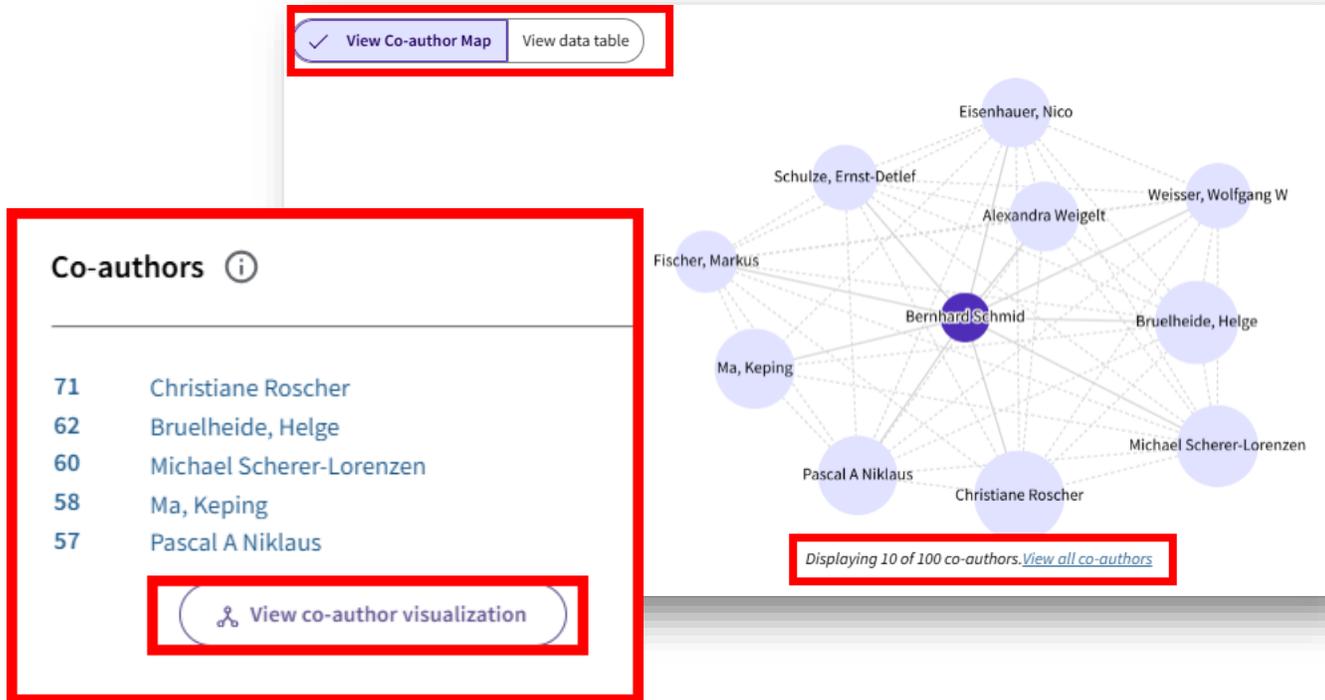
## Analiza coautorilor

### Cât de frecventă/de succes a fost colaborarea dintre autori?

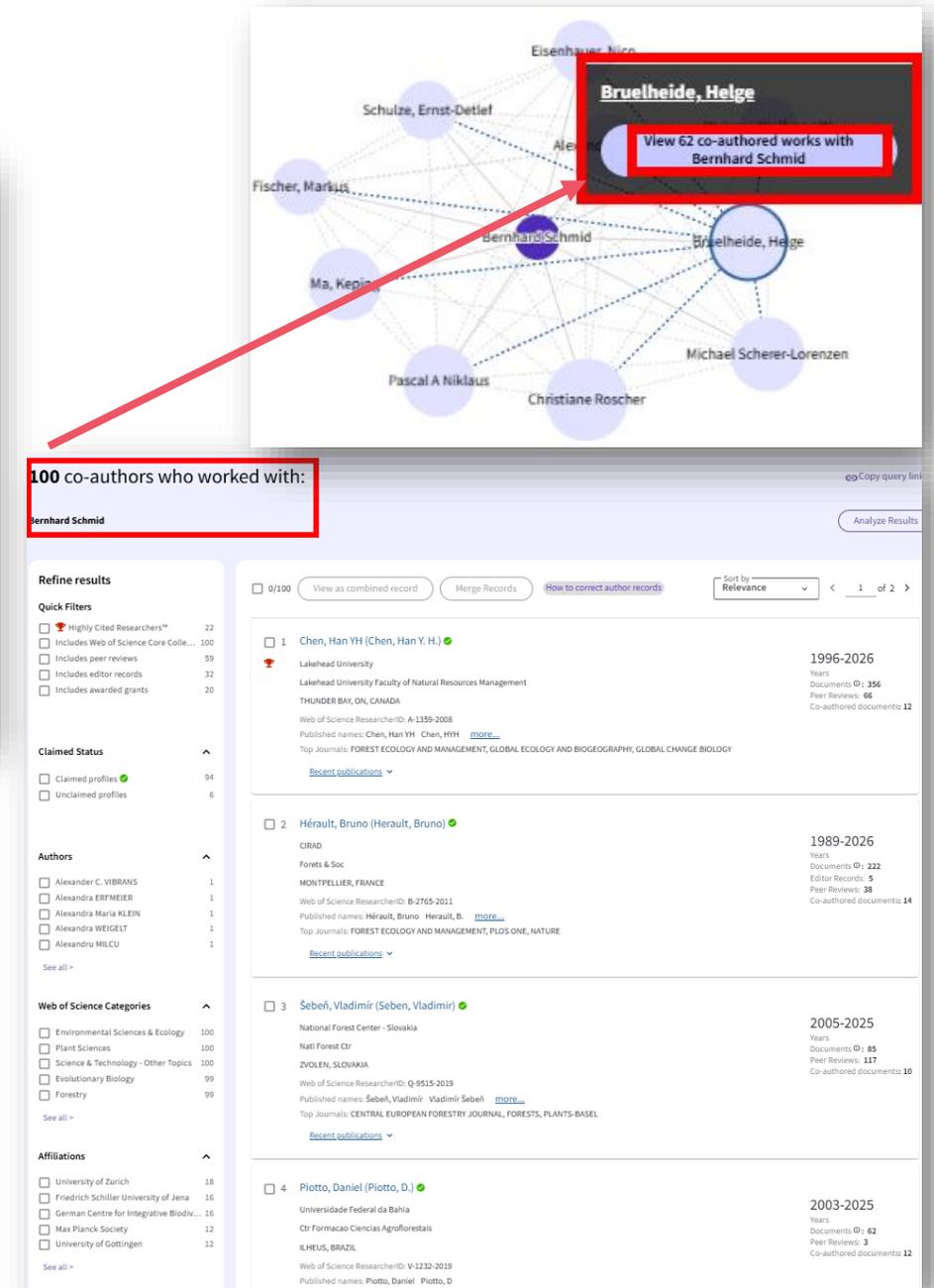
- Identificați coautorii frecvenți, profilurile și impactul acestora, inclusiv granturile acordate
- Treceți cu mouse-ul peste noduri pentru mai multe detalii despre fiecare colaborare specifică
- Filtrați lista tuturor autorilor colaboratori după profilurile validate pentru rezultate mai precise

# Analiza colaborărilor în Web of Science

## Analiza coautorilor



Treceți cu mouse-ul peste noduri pentru a explora numărul de articole scrise în colaborare și pentru a înțelege impactul acestora.





# Înțelegerea completă a impactului colaborării

# Utilizarea indicatorilor normalizați pentru evaluarea impactului colaborării

- Category Normalized Citation Impact (CNCI)
- Average Percentile
- Collaboration CNCI (dimensiune suplimentară de normalizare pentru tipul de colaborare)
- Citations from patents

IMPACT	
Times Cited	>
Times Cited without Self-Citations	>
% Documents Cited	>
Category Normalized Citation Im...	● >
Citation Impact	>
Average Percentile	>
Journal Normalized Citation Impact	>
Impact Relative to World	>
H-Index	>
H-Index without Self-Citations	>
Documents Cited	>
Cumulative Citations per Year	>
Citations From Patents	>

COLLABORATION ⓘ	
Collab-CNCI	● >
Domestic Documents	● >
International Documents	● >
% Domestic Documents	>
% International Documents	>
Collab-CNCI Domestic	● >
Collab-CNCI International	>
Domestic Single Documents	>
Domestic Multiple Documents	>
International Bilateral Documents	>
International Trilateral Documents	>
International Quadrilateral + Docu...	>

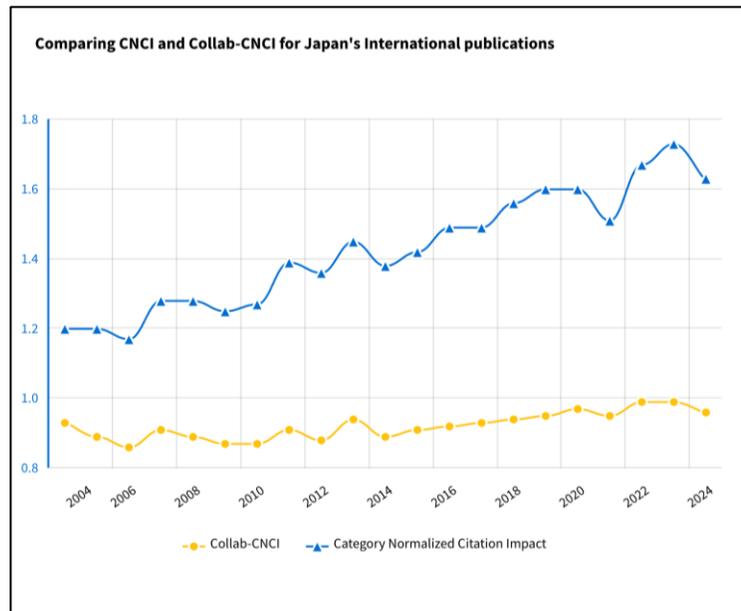
% Domestic Single Documents	>
% Domestic Multiple Documents	>
% International Bilateral Documents	>
% International Trilateral Documents	>
% International Quadrilateral + Doc...	>
Collab-CNCI Domestic Single	>
Collab-CNCI Domestic Multiple	● >
Collab-CNCI International Bilateral	● >
Collab-CNCI International Trilat...	● >
Collab-CNCI International Quadr...	● >
Industry Collaborations	>
% Industry Collaborations	>
Organization only Collaborations	>
% Organization only Collaborations	>
Domestic Collaborations	>
International Collaborations	>
% Domestic Collaborations	>
% International Collaborations	>

# Collab-CNCI

Informații mai detaliate despre colaborare

## Dezvoltat de Institute for Scientific Information (ISI)<sup>TM</sup>

- **CNCI (Category Normalized Citation Impact):** compară impactul citărilor cu citările globale preconizate, normalizate în funcție de subiect, an și tipul documentului
- **Collab-CNCI:** compară impactul citărilor, normalizat în funcție de subiect, an, tipul documentului și tipul colaborării
- Bazându-se doar pe CNCI, se poate obține o imagine distorsionată a impactului cercetării

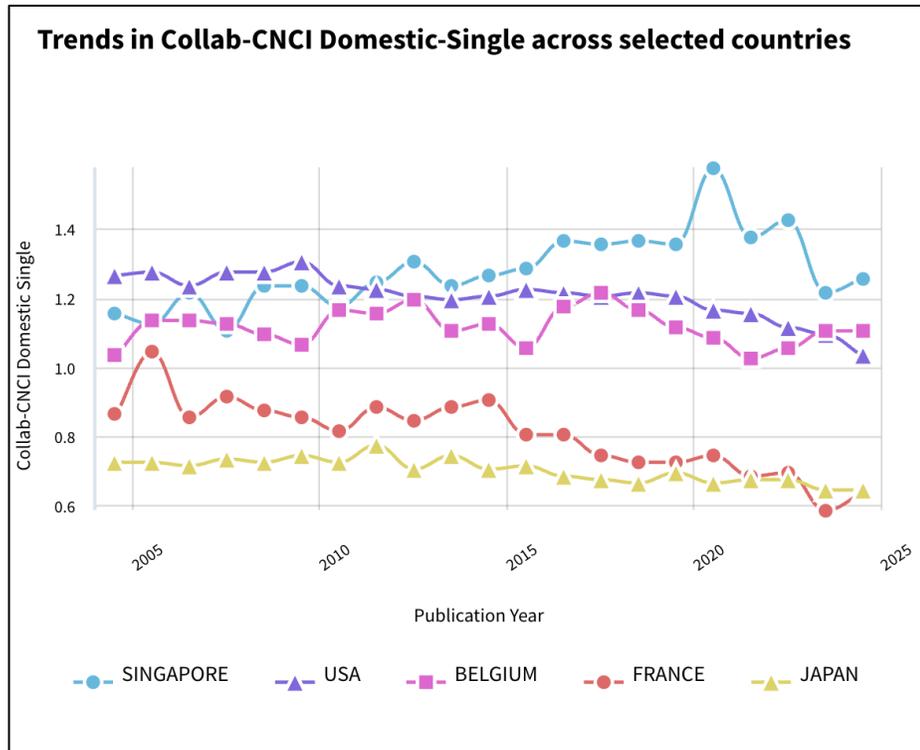


- Utilizați **CNCI** pentru comparații generale între domenii și țări
- Utilizați **Collab-CNCI** pentru o viziune mai detaliată și mai nuanțată asupra tipurilor de colaborare

# Elaborați o strategie care să promoveze sustenabilitatea internă

## Comparații între țări

Comparați impactul cercetării între țări, luând în considerare modelele de colaborare pentru o comparație mai echitabilă.



## Comparații instituționale

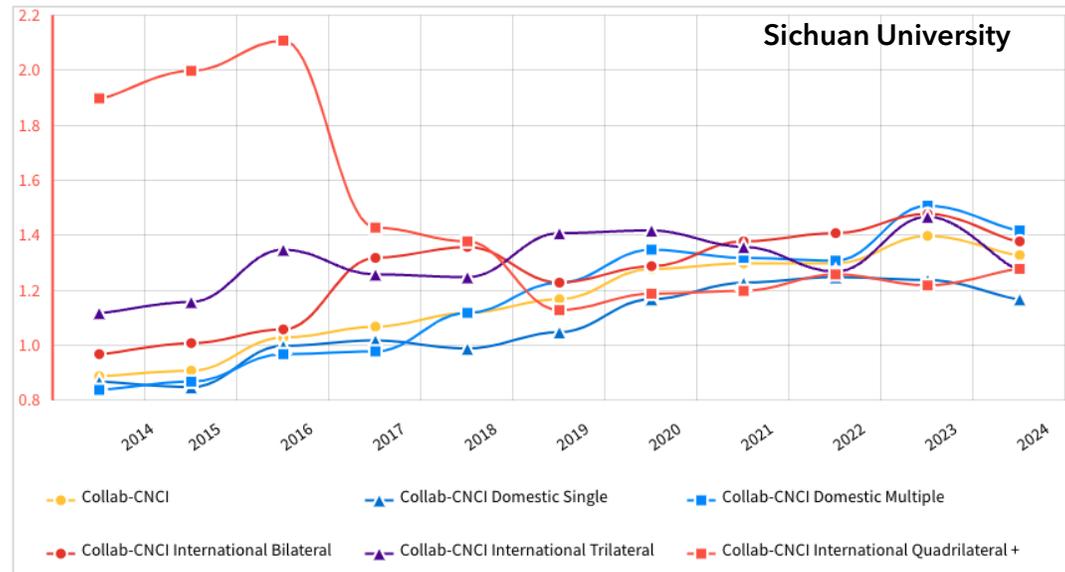
Instituțiile pot părea subevaluate doar cu CNCI dacă sunt dominate de colaborări interne.

Organization Name	Category Normalized Citation Impact	Collab-CNCI	% Domestic Documents	% International Documents
University of California San Diego	1.98	1.61	57.74%	42.26%
Sichuan University	1.31	1.32	80.04%	19.96%
Utrecht University	1.81	1.25	38.62%	61.38%
University of Barcelona	1.77	1.07	43.33%	56.67%

# Elaborați o strategie care să genereze un impact internațional

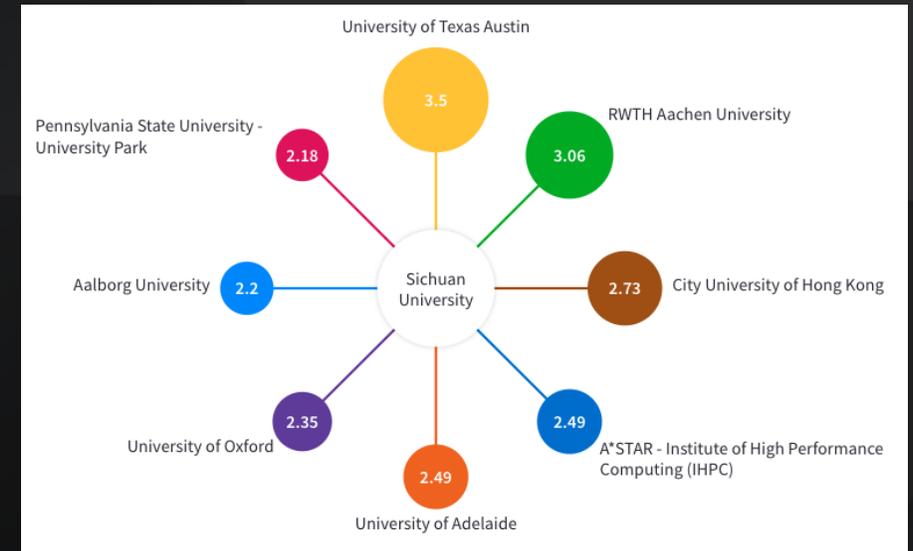
## Evaluarea strategiilor de colaborare în timp

Compararea Collab-CNCI în funcție de tipul de colaborare relevă modul în care strategiile de colaborare în continuă evoluție influențează impactul de-a lungul anilor.



## Identificarea celor mai solizi parteneri de colaborare

Compararea colaborărilor bilaterale între diferite țări poate ridica nivelul celor mai performante.



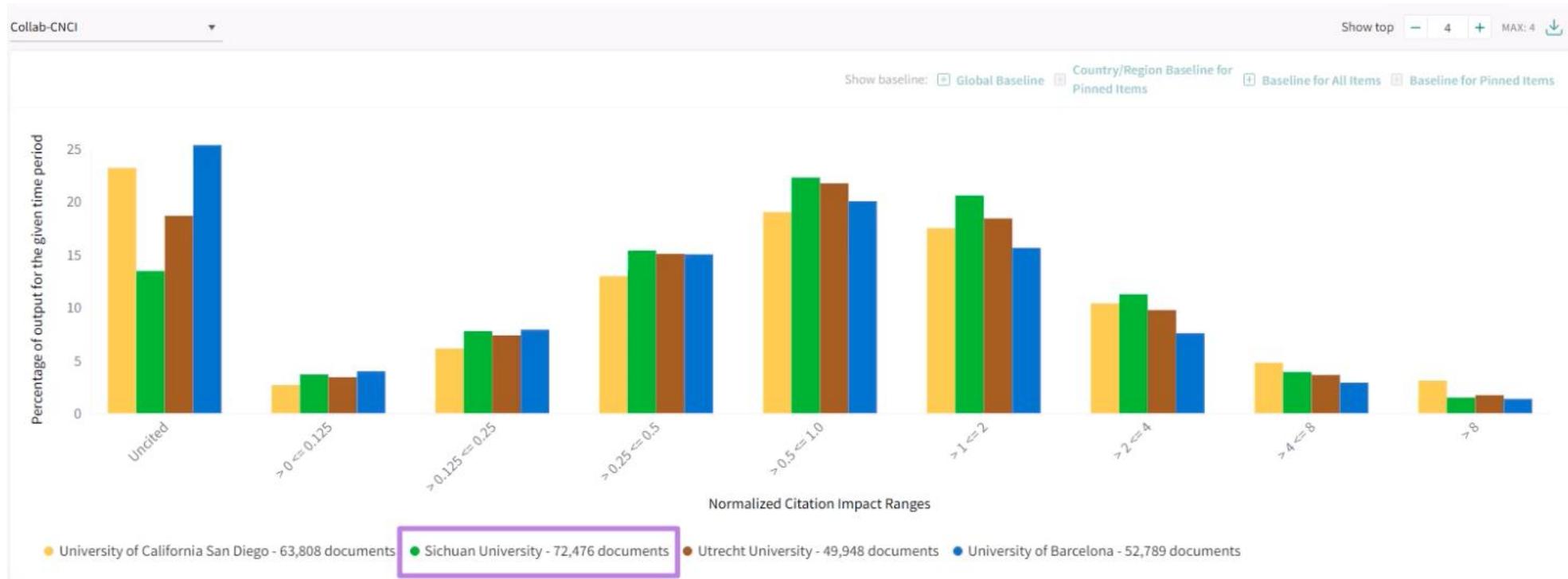
Aplicați indicatori suplimentari, cum ar fi documentele din top 10%, pentru o evaluare detaliată atât a productivității cercetării, cât și a impactului acesteia.

# Impact Profiles

Dincolo de indicatorii medii

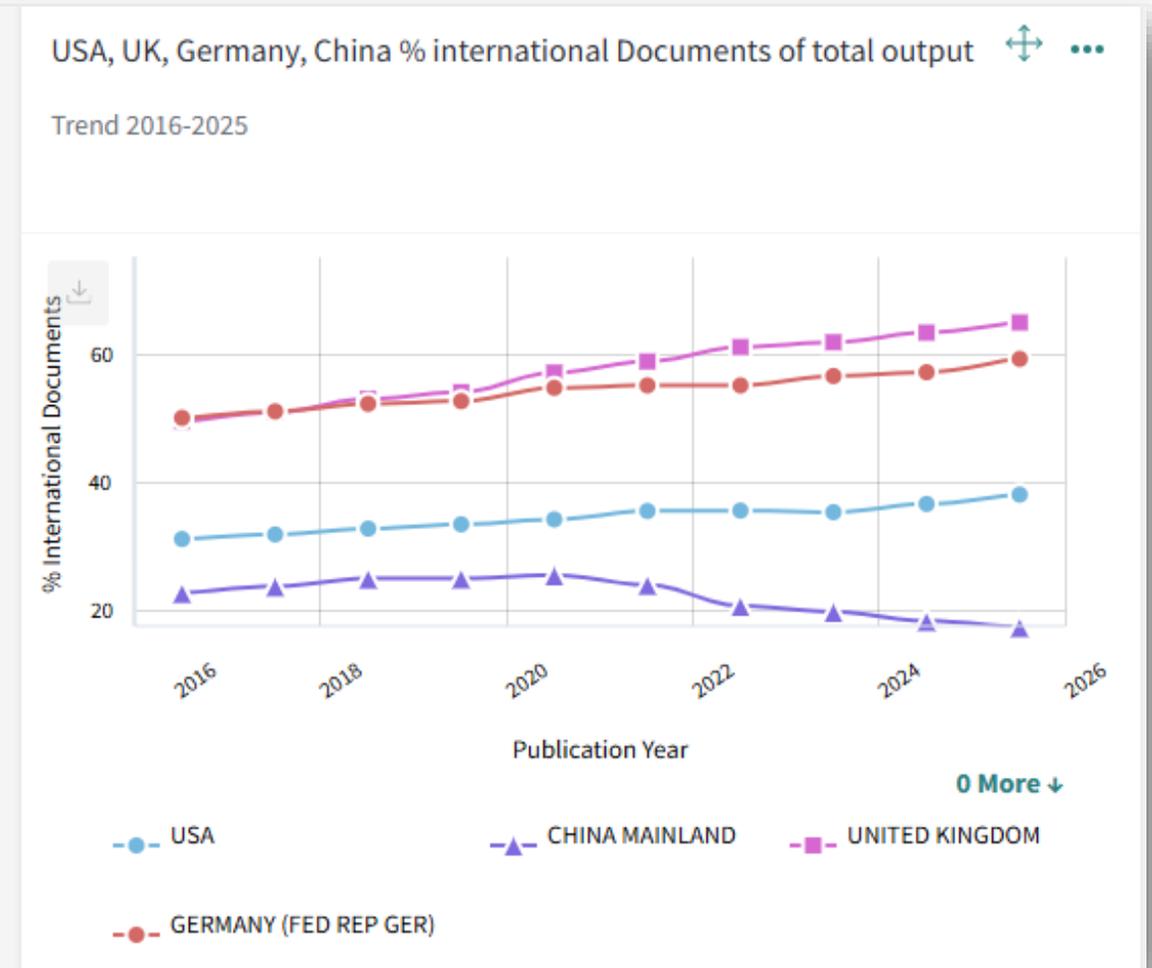
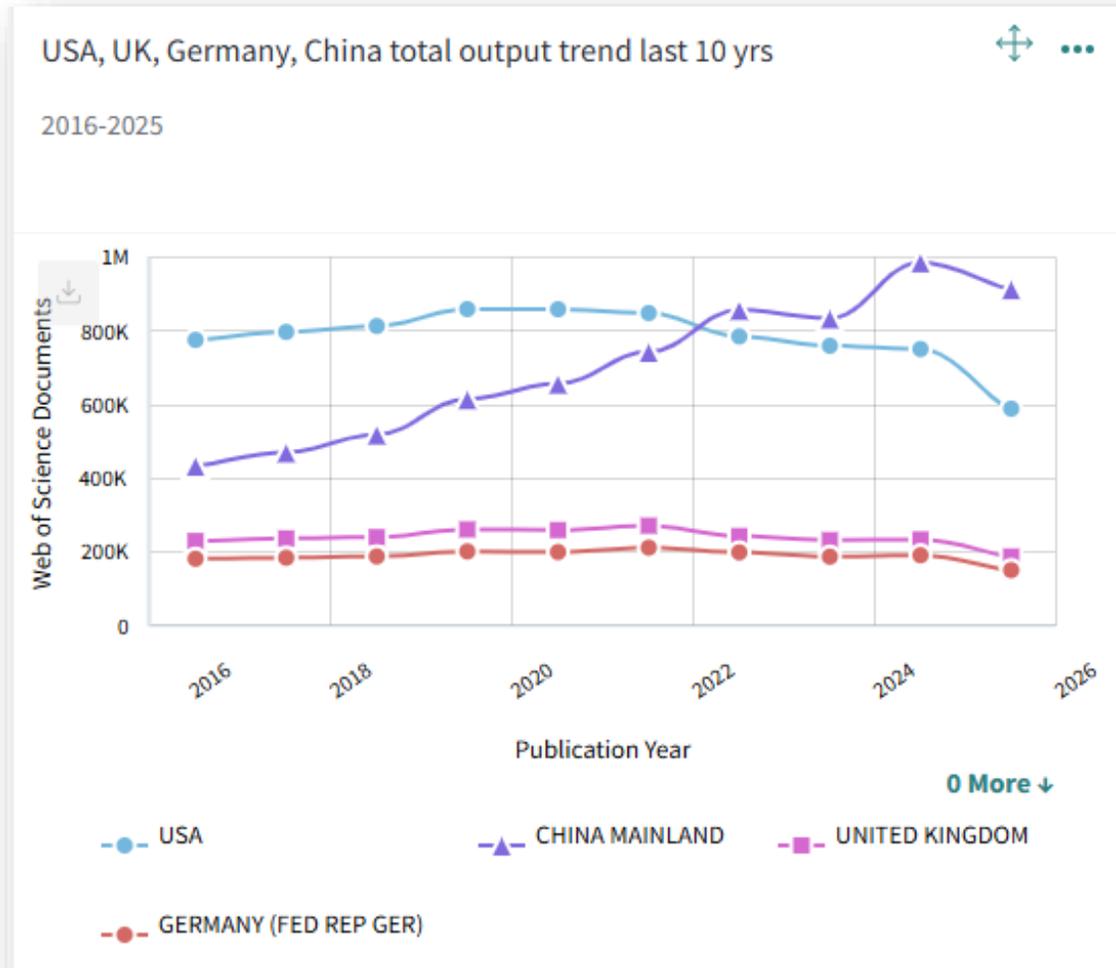
## Evaluarea comparativă a impactului dintr-o privier

- Pentru a obține o imagine completă, nu vă limitați la valorile medii CNCI sau Collab-CNCI
- Profilul de impact arată distribuția generală



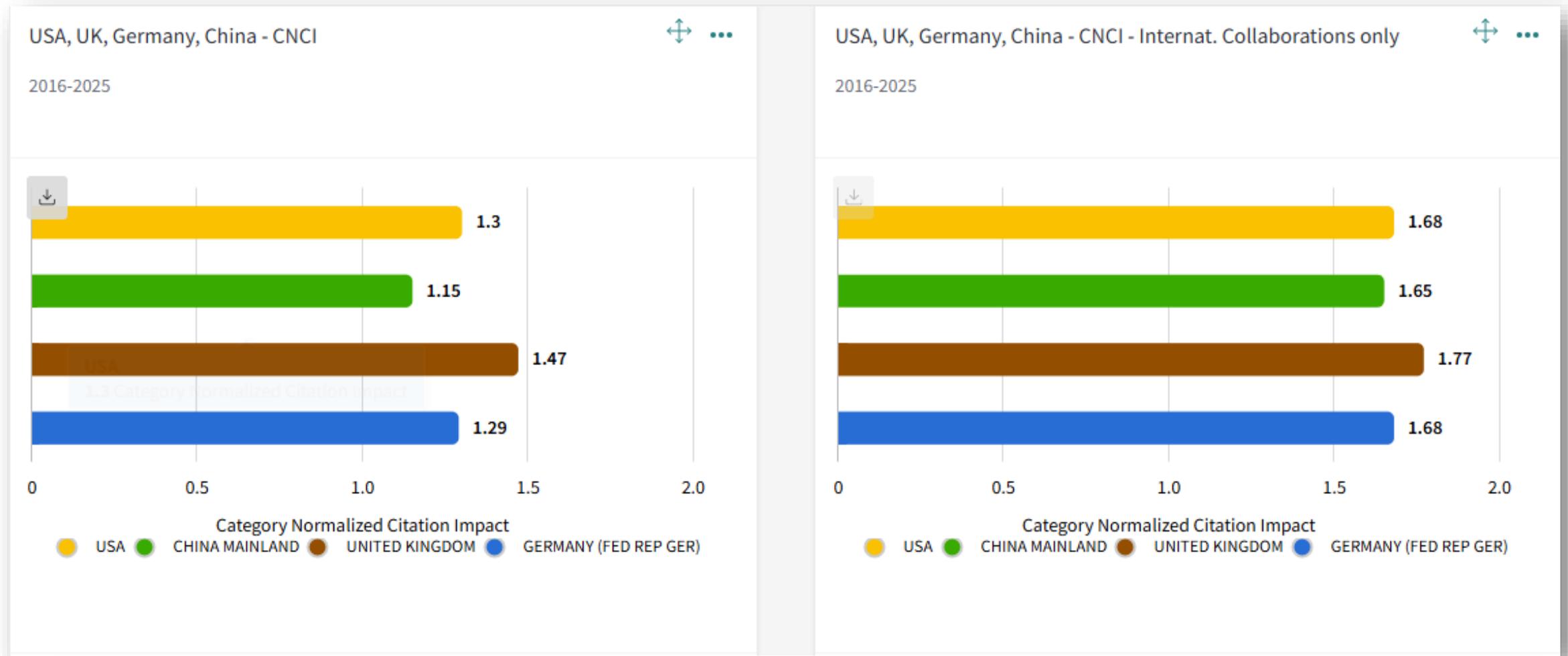
# Tendințe de colaborare ale celor 4 mari națiuni în domeniul cercetării

## Exemple

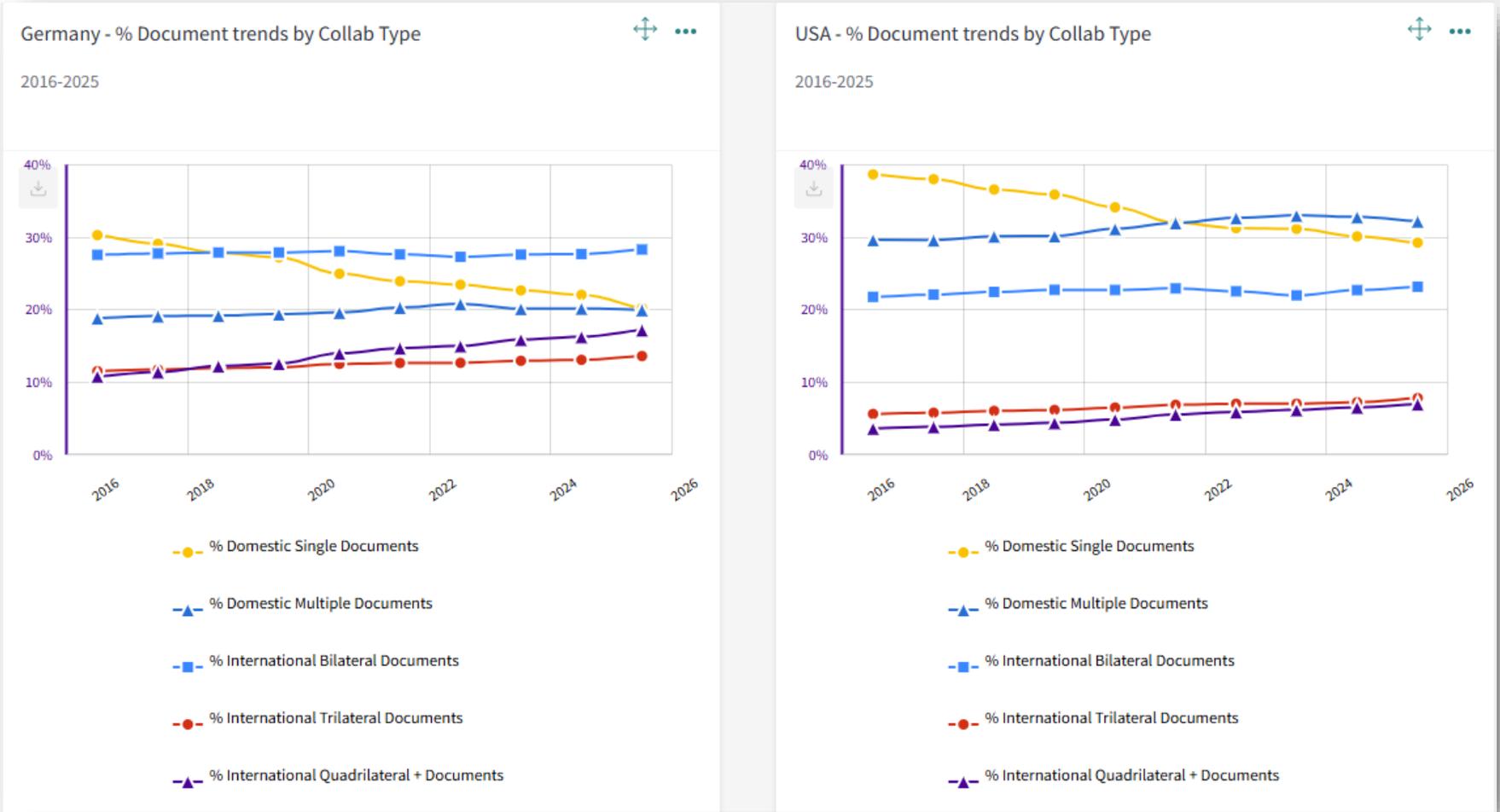


# Impactul colaborării

## Exemple

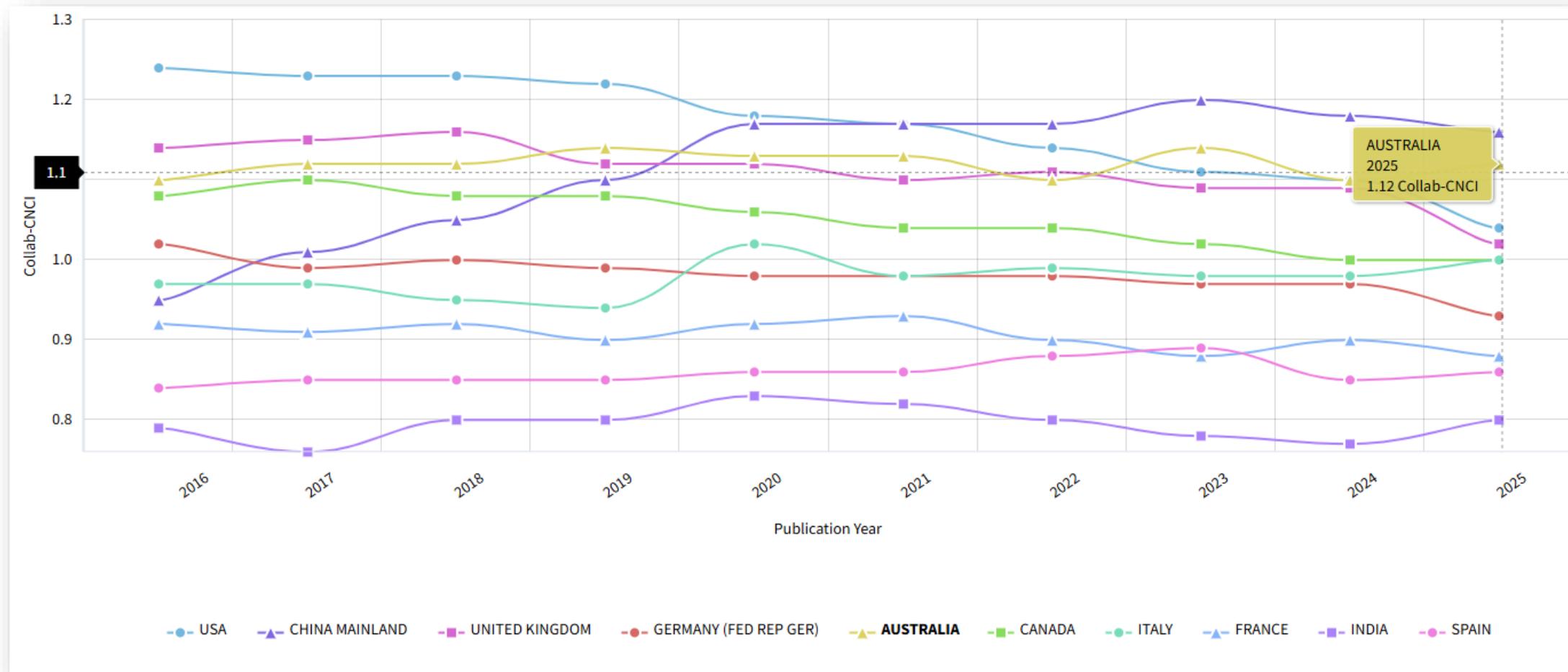


# Tendințe privind tipurile de colaborare



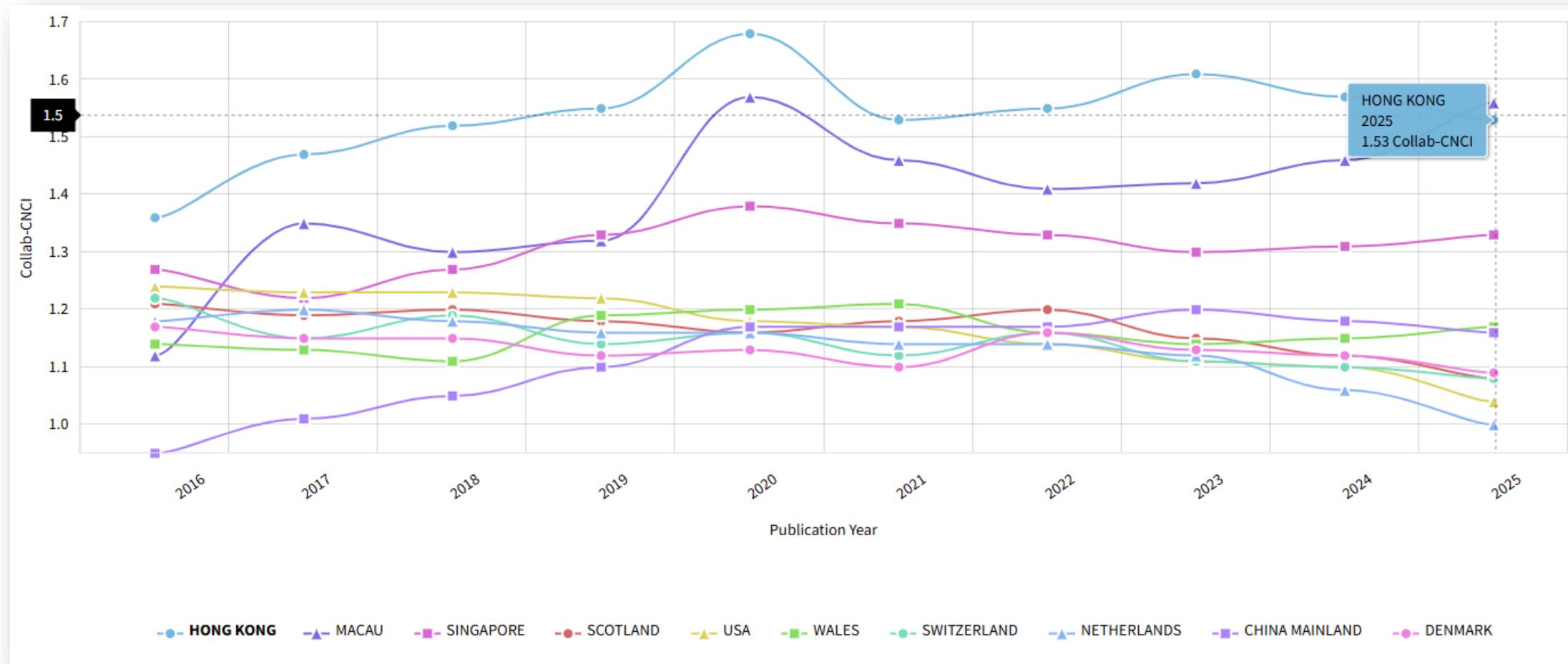
# Tendințe privind tipurile de colaborare

Top 10 țări după producție între 2016 și 2025, Collab CNCI Trend



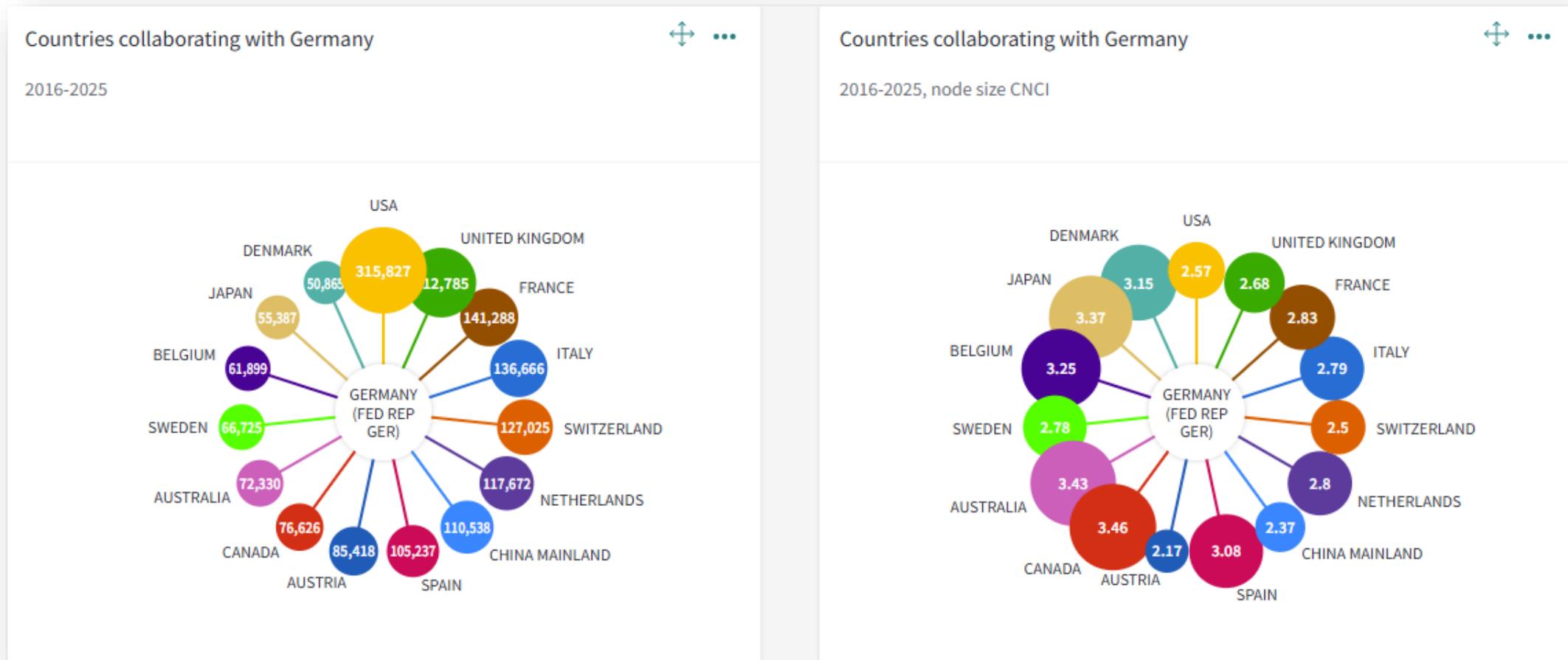
# Tendințe privind tipurile de colaborare

Top 10 țări după Collab-CNCI între 2016-2025, tendința Collab CNCI, producție minimă de 10.000 de documente

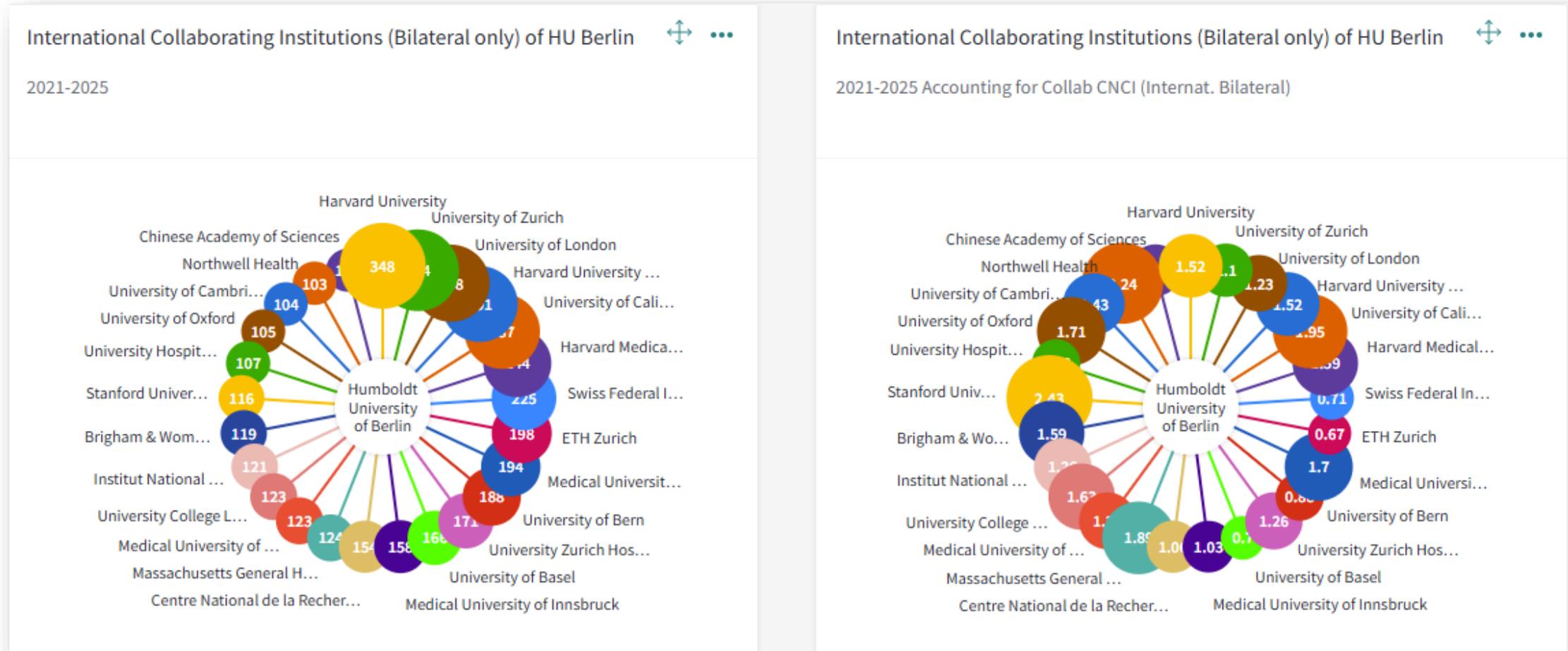


# Cu ce țări colaborăm cel mai bine?

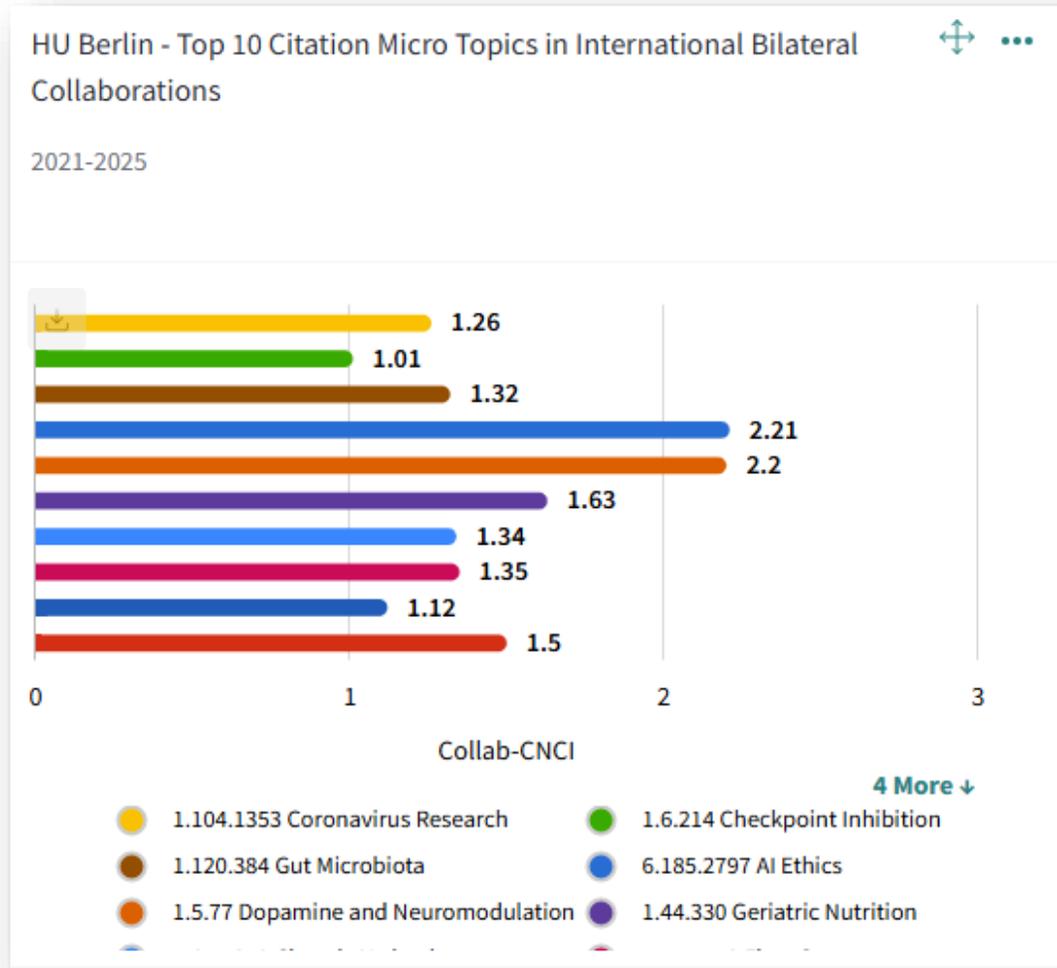
2016-2025



# Care sunt cei mai puternici parteneri ai noștri în colaborarea bilaterală internațională?



# Cât de puternice sunt colaborările noastre în domenii specifice de cercetare?





# Web of Science Research Intelligence

Lăsați inteligența artificială să sprijine deciziile strategice de colaborare

# Web of Science Research Intelligence

The screenshot displays the 'Web of Science Research Intelligence' interface. At the top, it says 'Web of Science Research Intelligence™'. Below this is a navigation bar with icons for Home, Assistant, Discover, and a grid icon. The main content area is titled 'Research Intelligence Assistant' and features a section 'Choose a smart assistant' with the subtitle 'Conversational agents that help you explore, refine and act on your research goals'. Four assistant options are listed: Funding Discovery, Emerging Topics, Impact Evaluation, and Collaboration Analysis. The Collaboration Analysis option is highlighted with a red border. Below this, a chat window shows the Collaboration Analysis Assistant's introduction and a list of questions to get started. A blue input box at the bottom contains the question: 'Which universities and corporations should Technische Universitat Dresden collaborate with in Nanoscience?'. A circular button with 'AE' is visible on the right side of the input box.

**Web of Science Research Intelligence™**

→ History

Research Intelligence Assistant

**Choose a smart assistant**  
Conversational agents that help you explore, refine and act on your research goals

- Funding Discovery**  
Discover potential funding sources for your research projects, tailored to your specific needs.
- Emerging Topics**  
Identify new and trending topics in your field to stay ahead of the curve.
- Impact Evaluation**  
Measure and visualize research performance. Benchmark impact against peers.
- Collaboration Analysis**  
Assess collaborations across academia, industry and government. Evaluate existing partnerships and identify new partners.

Hi! I'm your **Collaboration Analysis Assistant**. I am here to help you discover and recommend research partnerships based on existing collaborations and on institutions with the highest citation impact.

**To get started, please provide:**

- Your organization's name
- Optional: Desired partner type (e.g., universities, companies), research domain, and location

**You can ask questions like:**

- "What universities should KU Leuven collaborate with in physics in Germany?"
- "Evaluate UC San Diego's marine biology collaborations in the USA."

Which universities and corporations should Technische Universitat Dresden collaborate with in Nanoscience?

AE

Collaboration Agent - extrage date din InCites pentru întrebarea dvs. și oferă recomandări bazate pe date.

# Web of Science Research Intelligence



- 🔍 Collecting the key metrics for Technische Universität Dresden in Nanoscience...
- 🔍 Looking for the 10 most impactful universities, corporations in Nanoscience...
- 🔍 Looking for the universities, corporations that collaborate the most with Technische Universität Dresden in Nanoscience...
- ✅ Found the universities, corporations that collaborate the most with Technische Universität Dresden in Nanoscience
- ✅ Found the key metrics for Technische Universität Dresden in Nanoscience
- ✅ Found the 10 most impactful universities, corporations in Nanoscience
- 🔍 Looking for the metrics of collaboration with Technische Universität Dresden, for the 10 most impactful universities, corporations in Nanoscience
- ✅ Found the metrics of collaboration with Technische Universität Dresden, for the 10 most impactful universities, corporations in Nanoscience

## Query details for Technische Universität Dresden

- **Primary focus for analysis:** Organization
- **Filters:**
  - **Organization Name:** Technische Universität Dresden
  - **Time Period:** 2021-2025
  - **Research Area:** 2.67 Nanoparticles
  - **Schema:** Citation Topics
  - **Level:** Meso
- **Metrics:** Citation Impact, Docs Cited, Highly Cited Papers, Unique Key, Category Normalized Citation Impact, Organization Name, % Documents in 90th Percentile, % Documents in 99th Percentile, Rank, Sequence Number, Times Cited, Web of Science Documents
- **Sort by:** Web of Science Documents (descending)

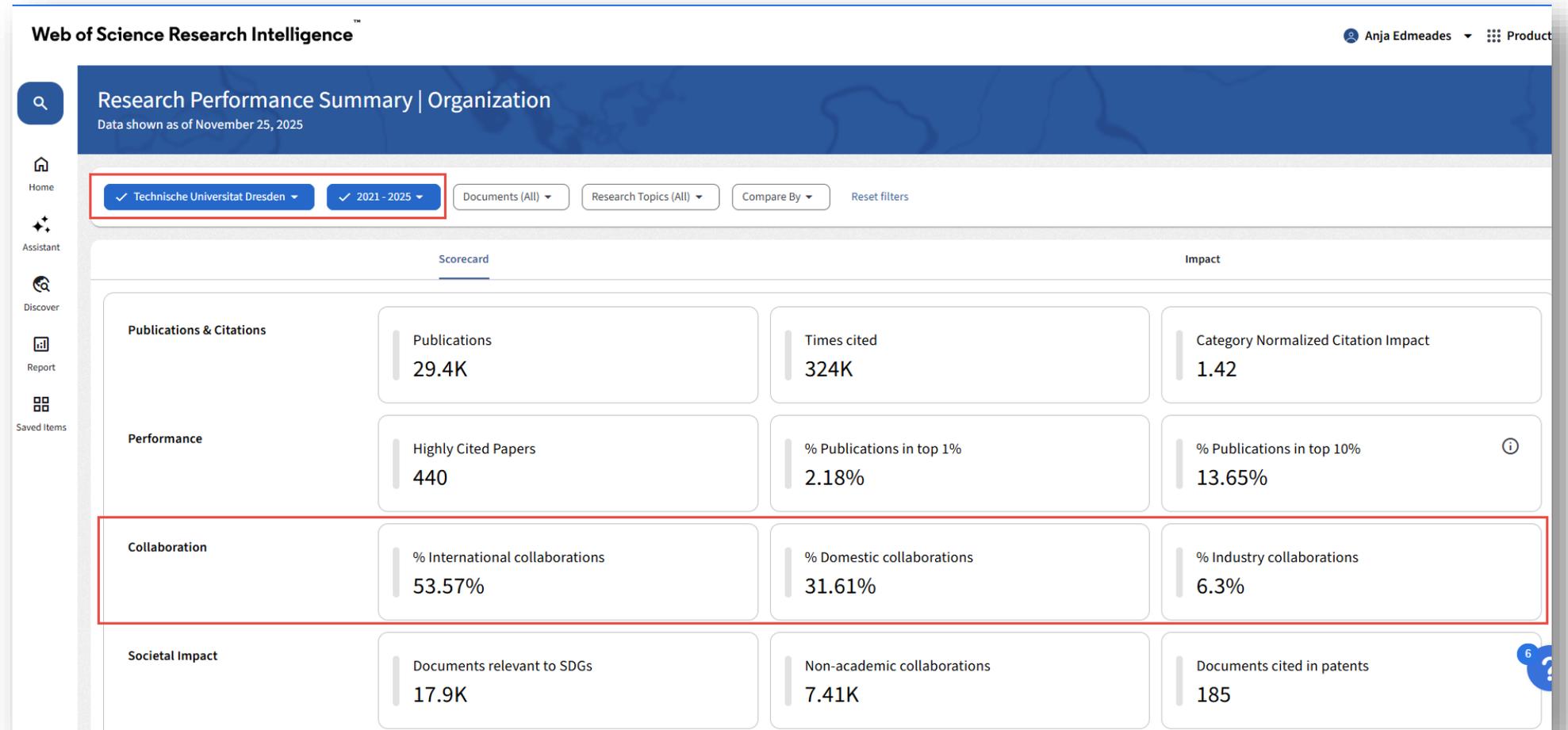
Key metrics for Technische Universität Dresden in Nanoscience:

## Analysis & collaboration recommendations for the universities and corporations that are the most impactful in Nanoscience

Organization Name	Document Count	CNCI	Docs in Top 10% ▼	Co-authored Document Count	CNCI (co-authored docs)	Docs in Top 10% (co-authored)	Collaboration recommendation	Reasons
King Saud University	2168	1.3	334	0	0	0	Explore	CNCI and volume are much higher than Technische Universität Dresden; no current collaboration; high impact, but may be difficult to initiate collaboration due to reputation gap.
University of Chinese Academy of Sciences, CAS	1563	1.4	265	0	0	0	Explore	CNCI and volume are much higher than Technische Universität Dresden; no current collaboration; high impact, but may be difficult to initiate collaboration due to reputation gap.
University of Science & Technology of China, CAS	1220	1.7	235	0	0	0	Explore	CNCI and volume are much higher than Technische Universität Dresden; no current collaboration; high impact, but may be difficult to initiate collaboration due to reputation gap.
Shanghai Jiao Tong University	1111	1.7	232	2	1.7	1	Grow	Existing collaboration with high CNCI and top 10% docs; recommend expanding collaboration.
Zhengzhou University	912	1.9	227	0	0	0	Explore	CNCI and volume are much higher than Technische Universität Dresden; no current collaboration; high impact, but may be difficult to initiate collaboration due to reputation gap.
Soochow University - China	864	1.7	181	1	0.2	0	Review	Existing collaboration, but co-authored CNCI is low; consider reviewing collaboration approach.

# Web of Science Research Intelligence

- Pentru o prezentare rapidă a colaborărilor dvs.
- Filtrează după tipul de document și subiectul de cercetare și compară cu alte instituții sau grupuri.





# Mai multe informații

# The Institute for Scientific Information

## Reports

- [Making it count: Research credit management in a collaborative world](#) (Jan 2022)
- [Climate change research collaboration](#) (May 2022)
- [US research trends: The impact of globalization and collaboration](#) (Apr 2023)
- [Unlocking the efficiency of international research collaboration](#) (Feb 2025)
- [Research collaboration in a changing world](#) (Dec 2025)
- [Blog: Global research collaboration is changing: Key insights from our latest ISI report](#)

## Informații suplimentare și surse

- Clarivate Blog: [Research collaboration in a changing world](#)
- [Global trends in international research collaboration, 1980-2021 by Dag W Aksnes and Gunnar Sivertsen](#)



# Think forward™

**Adriana Filip**

Senior Manager, Customer Success Consulting  
Adriana.Filip@clarivate.com

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