

How can Elsevier SciVal solutions support Czech researchers and research management?

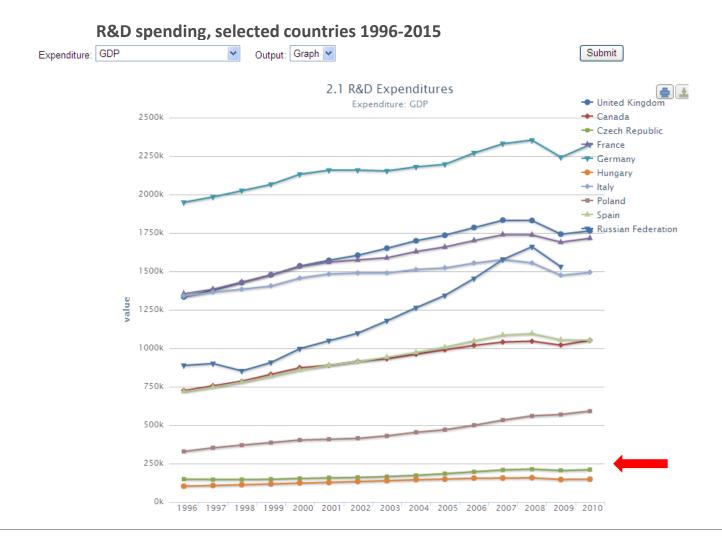
Piotr Gołkiewicz Product Sales Manager Elsevier B.V. p.golkiewicz@elsevier.com



Trends in science

Increase in Global Competition



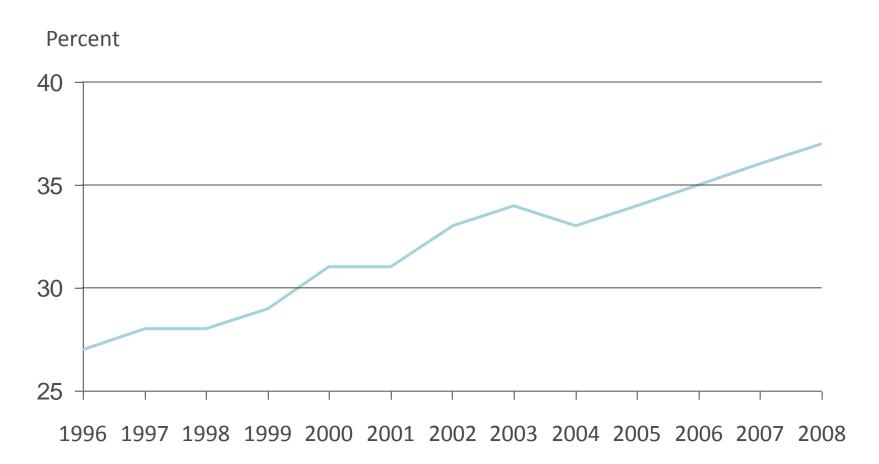






Increase in Global Collaboration

Proportion of the world's papers produced with more than one international author

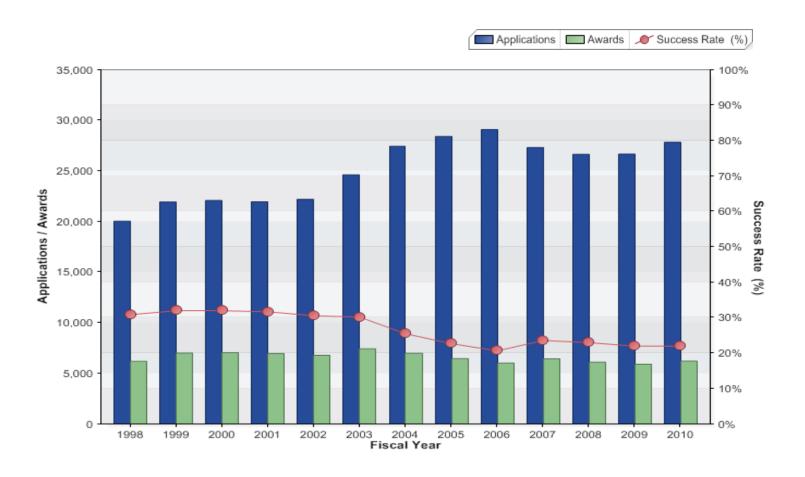






Increased Competition for Limited Resources



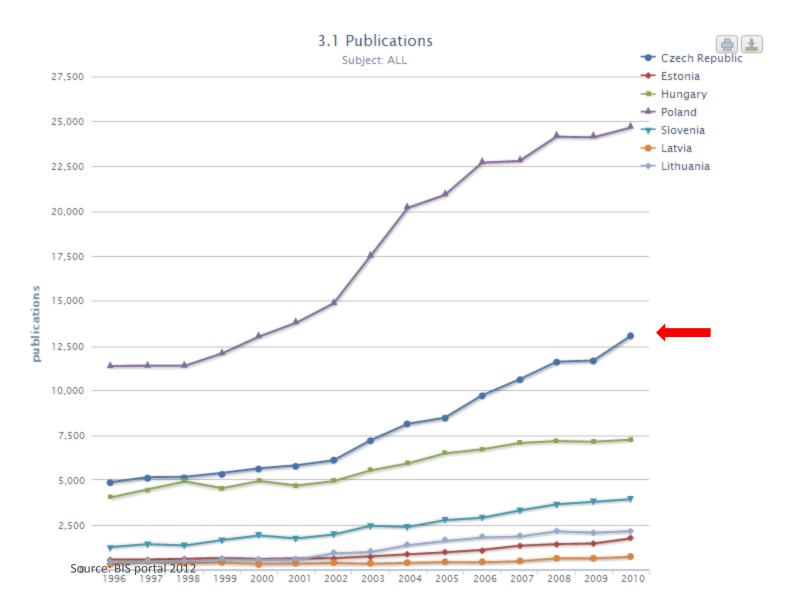


Increase in applications, but lower awards and success rate





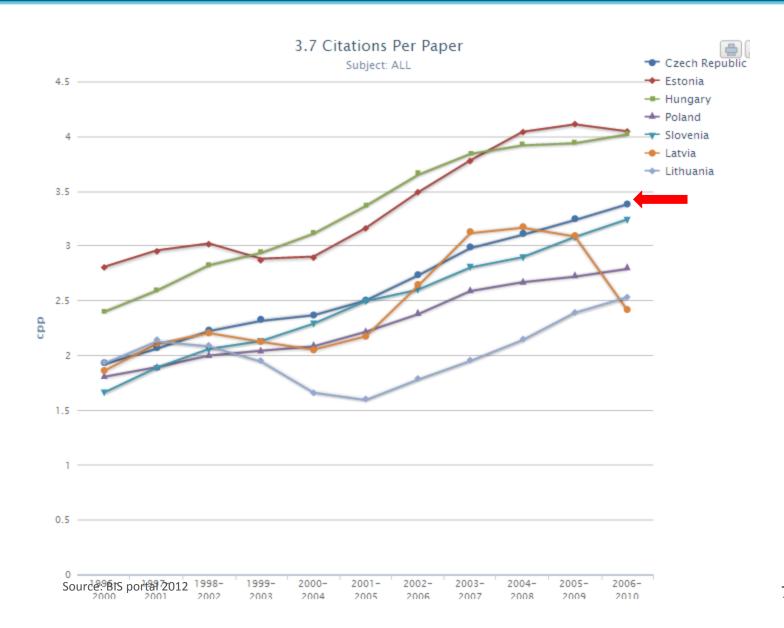
Growing number of publications







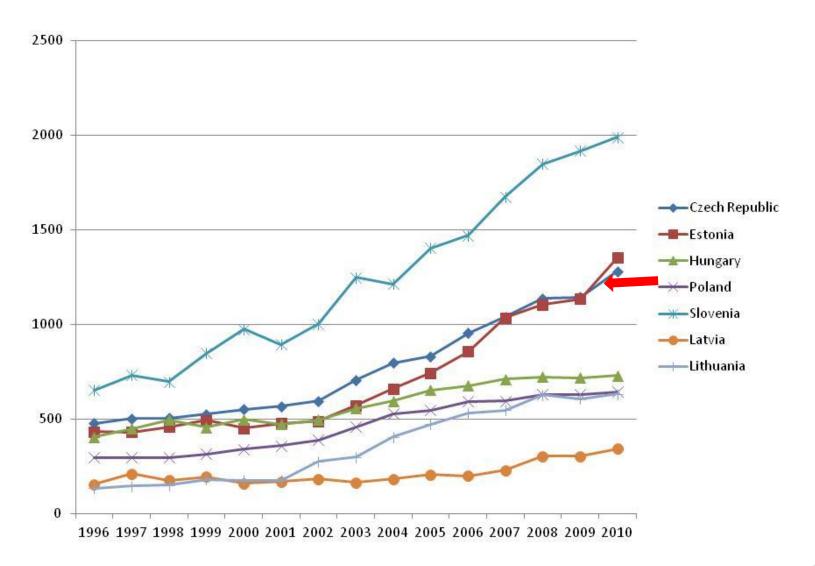
Citations per Publication needs improvement







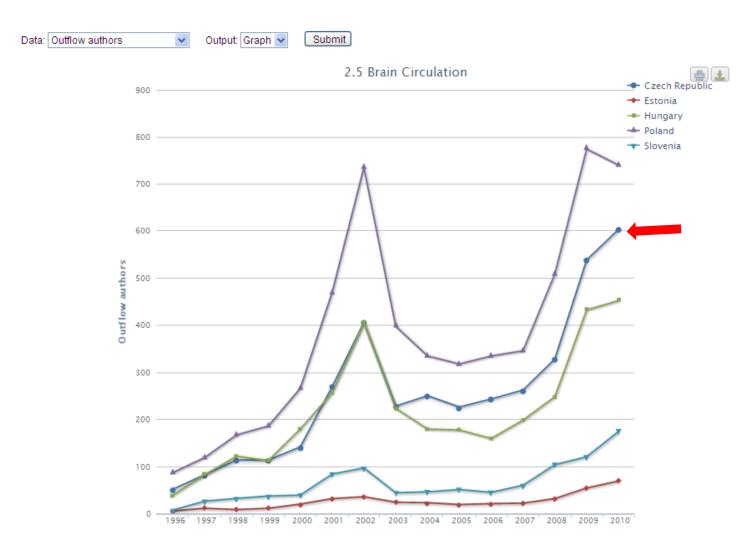
Articles per Million inhabitants







Brain Circulation - outflow







THE NEW REALITY OF RESEARCH TODAY

- Crosses national boundaries international cooperation
- Overarches multi-jurisdictional regulation
- Networks energetically in real and virtual space and time
- Straddles between competition and collaboration
- Exhibits high mobility of resources, people, ideas, technologies and infrastructure
- Responds and reacts to public and private pressures







Elsevier develops modern solutions to address those challenges

Through our data, we can provide various insights that help answer your key questions

Demonstrating Excellence

• What are the research strengths of my institute?

Collaboration and Competition

 Which researchers/institutions are strong in the field as well?

Evaluations

• Measuring research performance based on some additional objective indicators.

Raise and Defend Funding

 Have facts at hand to show expertise to funding bodies

Recruitment and Retention

• Finding new faculty members is the highest priority issue on the administrative agenda.

Facilitating cooperation inter- and externally

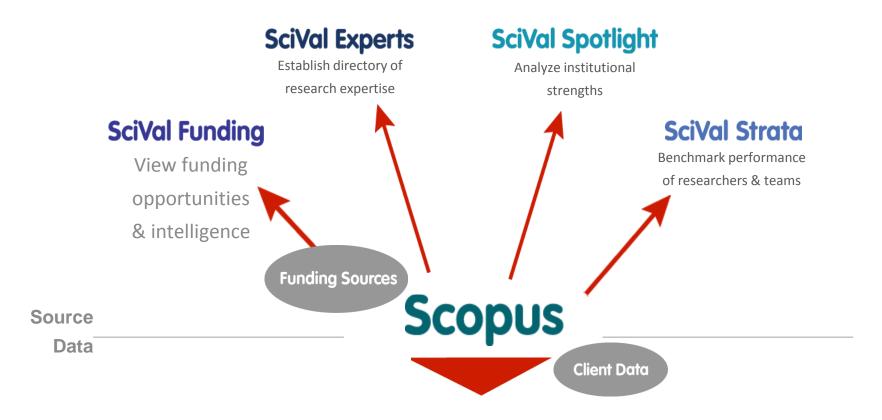
How can we assemble research teams easily?





The components of the SciVal suite





Custom Development and Data Reporting Services





What is SciVerse Scopus?

The largest abstract and citation database of peer-reviewed research literature and quality web sources.

More than 19,500 titles from more than 5,000 international publishers worldwide

Over 45 million records, 23 million patents from 5 patent offices worldwide

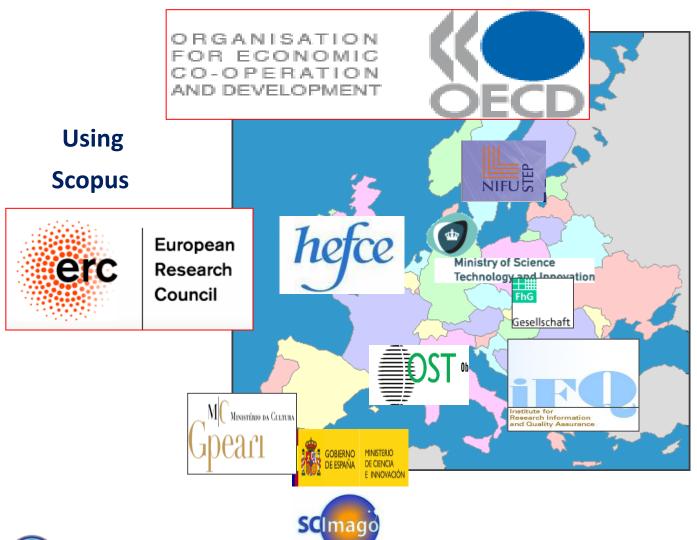
Scopus also offers full integration of the scientific web in its search results with: 435 million scientific web pages (Scirus)

Modern "Discovery tools" – Author and Affiliation search, Author Analyzer, Journal Analyzer, Citations Tracking etc





Scopus metrics support key European assesment organisations









Understanding research strengths of Czech Republic

Where is Czech Republic today?

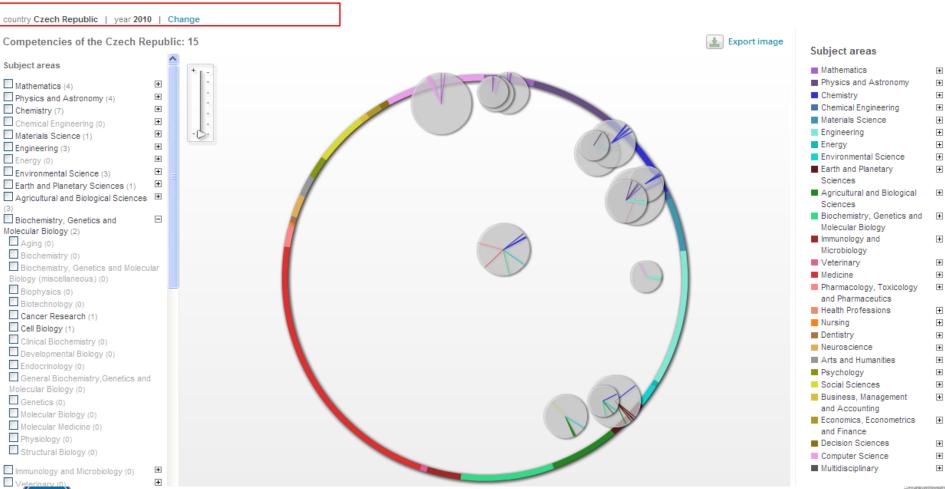
country Czech Republic	: year 2010	Change	Download a	s CSV Print				
Country	Articles	Growth	Articles by sector		Citation count	CPA ▼	SotA	
			Academic	Government	Industry			
Switzerland	126,128	5.29% 🔺	82.40%	10.83%	6.78%	958,108	7.60	1.06
Netherlands	176,059	5.93% 🔺	81.43%	10.95%	7.62%	1,228,212	6.98	0.80
Sweden	113,336	3.50% 🔺	94.78%	2.55%	2.67%	744,285	6.57	0.44
United States	2,096,179	2.22% 🔺	78.06%	13.43%	8.52%	13,509,391	6.44	0.30
United Kingdom	567,444	3.50% 🔺	85.70%	7.67%	6.64%	3,560,965	6.28	0.36
Germany	507,177	4.65% 🔺	71.62%	20.11%	8.27%	3,062,573	6.04	0.70
Canada	327,531	4.35% 🔺	85.70%	8.50%	5.80%	1,887,960	5.76	0.05
France	384,359	4.84% 🔺	57.39%	28.88%	13.73%	2,074,728	5.40	0.24
Italy	307,048	4.80% 🔺	75.10%	17.87%	7.03%	1,629,555	5.31	0.48
Australia	224,804	7.62% 🔺	80.74%	8.70%	10.56%	1,189,627	5.29	0.10
Spain	257,099	7.19% 🔺	70.09%	16.94%	12.96%	1,211,202	4.71	0.36
Japan	484,672	1.56% 🔺	75.79%	16.39%	7.82%	2,086,865	4.31	-0.07
Czech Republic	50,844	7.71% 🔺	64.78%	34.46%	0.76%	195,388	3.84	-0.19
Korea (Republic of)	212,974	8.56% 🔺	76.48%	18.50%	5.02%	715,658	3.36	0.26
Taiwan	148,576	8.95% 🔺	83.19%	9.86%	6.95%	479,430	3.23	-0.11
Poland	103,911	4.30% 🔺	81.06%	17.71%	1.22%	333,547	3.21	-0.63
Brazil	173,087	10.50% 🔺	89.59%	9.22%	1.19%	494,927	2.86	-0.90
India	233,302	14.18% 🔺	72.45%	24.64%	2.91%	631,358	2.71	-2.48
Turkey	113,479	9.22% 🔺	94.78%	1.33%	3.89%	302,890	2.67	-1.32
Russian Federation	128,905	3.25% 🔺	38.17%	61.83%	0.00%	311,234	2.41	-3.37
China	969,437	22.83% 🔺	85.68%	12.46%	1.85%	2,145,883	2.21	0.86

Region: Global V





Understanding the competencies



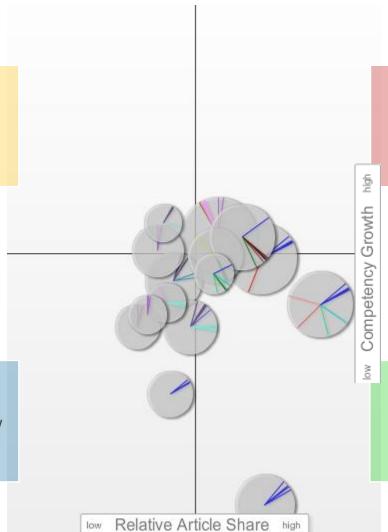


Matrix view – where is the future?

How can we increase our market share in these research areas?

→ Active "Recruitment"

Research areas that are internationally declining with low article share



How can we defend our presence in these research areas?

→ "Retain" key talent

How can we get the highest impact out of these research areas?





Matrix view – find the details

How can we increase our meshare in these research are

→ Active "Recruitment"

Articles published in this country: 334 Authors in this country: Adam V.; Kizek R.; Barek J. Keywords: Electrodes; Voltammetry; Limit of Detection Disciplines: Analytical Chemistry 92.9% General Medicine 4.4% General Chemistry 2.7% More details » Relative Article Share high can we defend our presence in these research areas?

→ "Retain" key talent

Research areas that are internationally declining wi article share

How can we get the highest impact out of these research areas?





Competency overview

Competency DC #2 Electrodes; Voltammetry; Limit of Detection

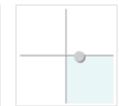
Select another competency -

Summary Trends Disciplines Countries Institutions Authors Compare Methodology

Articles published in this field (2006-2010)

	Articles	Annual growth	Citations
Articles published worldwide	2,805	+6.9% 🔺	17,551
Articles published in the Czech Republic	334	+18.0% 🔺	2,356





Why is this field a distinctive competency of the Czech Republic?

Show	the	contri	bution	to	this	field	from:	(

Czech Republic

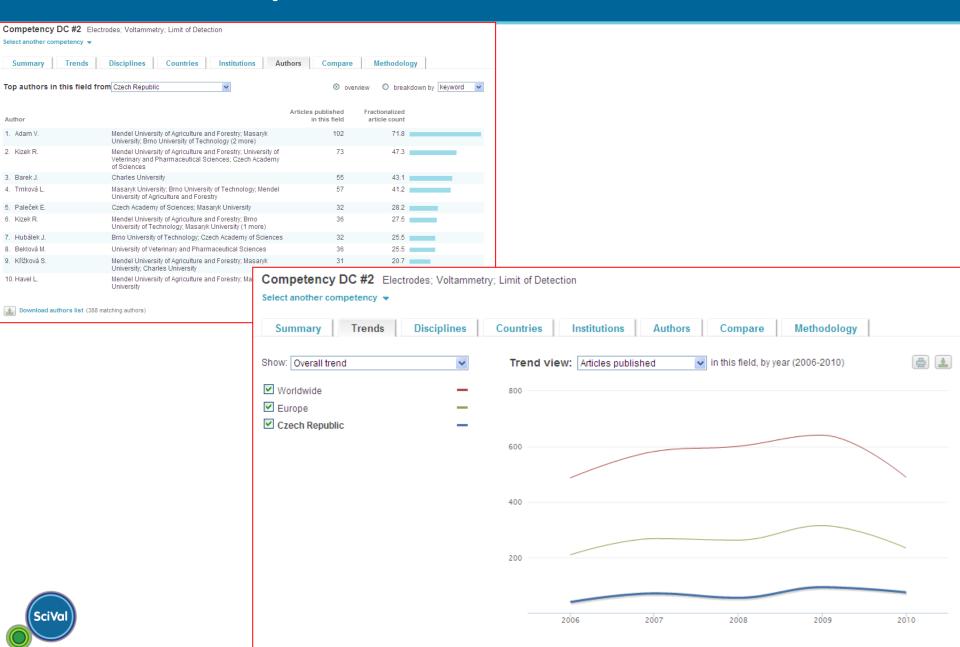
all contributing countries worldwide

Top keywords for the Czech Republic	Top authors from the Czech Republic	details »
Voltammetry	Adam V.	
Electrodes	Kizek R.	
Mercury amalgams	Barek J.	
Heavy metals	Trnková L.	
Metallothionein	Paleček E.	
Electrochemistry	Kizek R.	
Carbon	Hubálek J.	
Silver	Beklová M.	
Proteins	Křížková S.	
lons	Havel L.	





Who are the top authors, what are the trends?



Which other countries work on this as well?

Disciplines Countries

Competency DC #2 Electrodes; Voltammetry; Limit of Detection

Select another competency -

ounnary monac	Distribution of the contraction	7 Tauroro oomparo	mourougy
View the top countries a	all contributing countries	⊙ ove	erview O breakdown by keyword
Country		Articles published in this field	Fractionalized article count
1. Czech Republic	Europe	334	226.4
2. China	Asia Pacific	418	125.9
3. United States	North America	366	92.1
4. United Kingdom	Europe	148	54.7
5. Spain	Europe	155	51.9
6. France	Europe	141	45.0
7. Germany	Europe	124	39.5
8. Japan	Asia Pacific	129	37.4
9. Italy	Europe	114	32.9
10. Brazil	South America	94	32.0

Institutions

Authors

Compare

Methodology



Download countries list (90 matching countries)





International Collaboration is key to high quality

How does this link to collaboration?

institution Charles University | year 2010 | Change

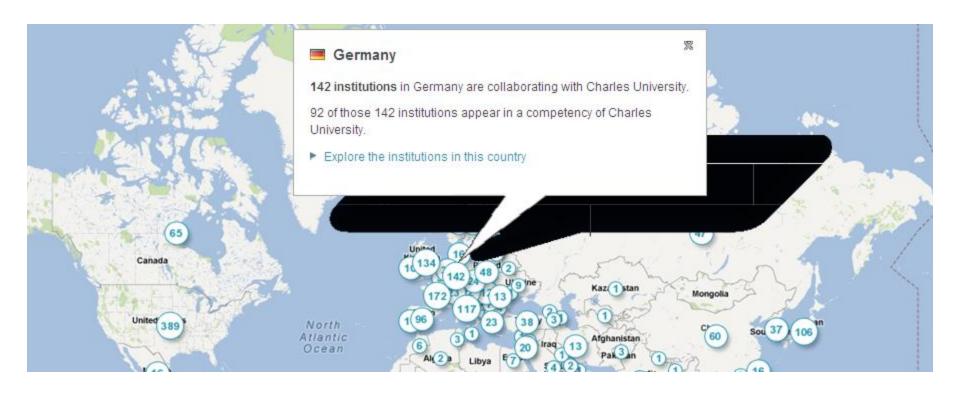
Collaborating institutions







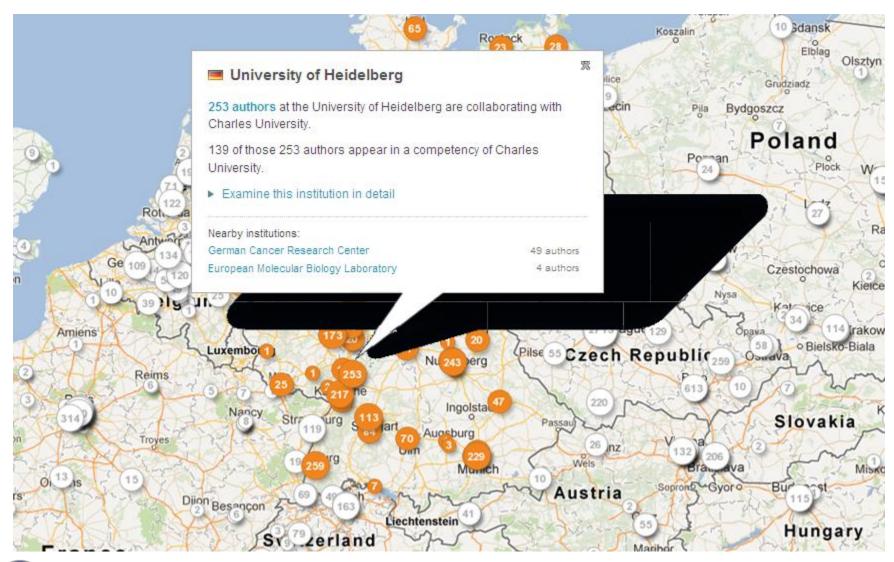
Collaboration in detail







Explore the institution for potential collaboration







Where is the collaboration taking place?



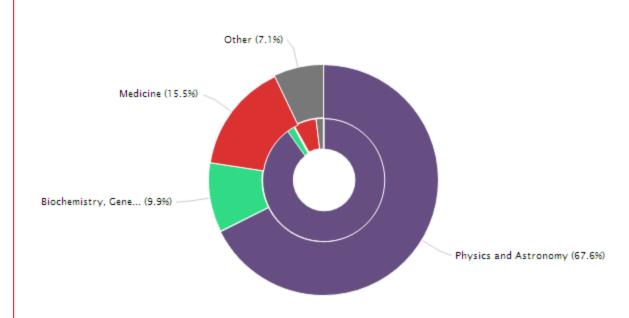
Where is collaboration taking place?

190 articles were co-authored by researchers at Charles University and the University of Heidelberg

99 of those 190 co-authored articles (52.1%) appear in a competency of Charles University



Co-authored articles | Co-authored articles in competencies | Both





Outer ring: All co-authored articles, by subject area Inner ring: Co-authored articles in competencies, by subject area

... And where are the opportunities for new collaboration?



Where are opportunities for new collaborations?

628 articles from the University of Heidelberg appear in a competency of Charles University

529 of those 628 articles in competencies (84.2%) were not co-authored with Charles University

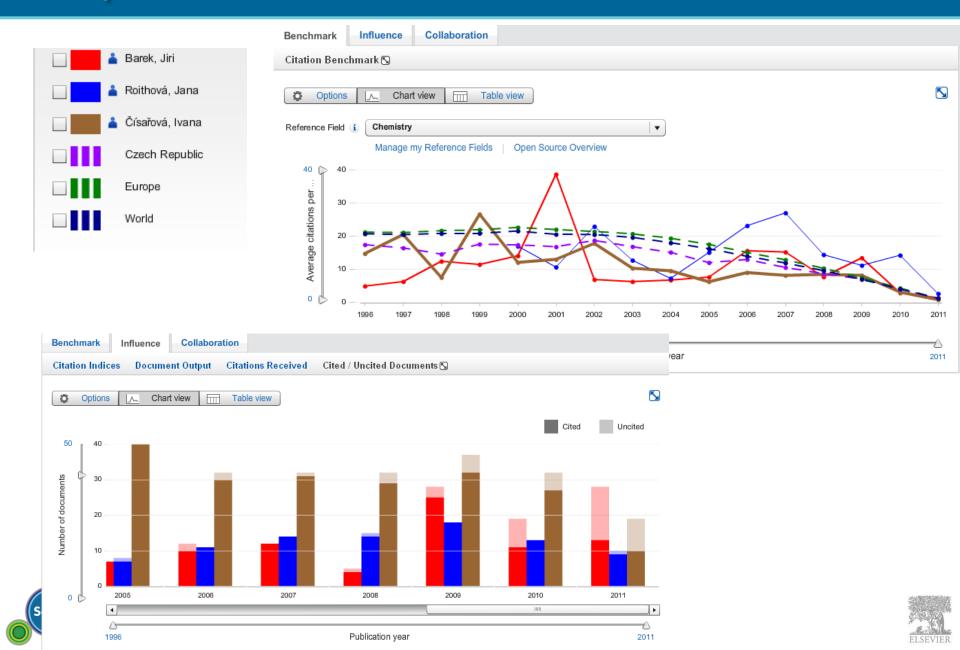
View list of potential co-authors at the University of Heidelberg (828)

್ಟ್	Not yet	t collaborating authors	s in competencies					
		a different set of authors 🔻						
utho	or		Articles in competencies ▼	Co-authored articles in competencies			Compe	tencies
1.	Bierhaus	A.	30	0				
2.	Nawroth F	P.P.	27	0				
√ie≀	w author profi	ile in SciVerse Scopus Viev	w h Index					>
This	author did no	ot co-author any articles with Ch	narles University					
Viev	w list of co-au	ithored articles (0) View list	t of co-authored articles in compete	ncies (0)				
		o-authored articles in competen						
			000 (21)					
Con	npetency	Keywords			Articles by this author	Co-authored articles		
DC #	#2	Electrophoresis, Capillary; Di	vorce; Capillaries		1	0		
DC #	# 4	Resistin; Adiponectin; Insulin	Resistance		3	0		
C #	‡21	Doxorubicin; Anthracyclines;	; Alcohol Oxidoreductases		1	0		
EC#	‡27	Kidney Transplantation; Tran	splants; Transplantation		2	0		
EC#	‡38	Glycosylation End Products,	Advanced; Pregnancy-Associated	Plasma Protein-A; Patients	20	0		
	Büchler M	I.W.	16	0				
	Muckenth	aler M.U.	11	0				
	Weisshaa	ar E.	11	0				
	Ritz E.R.		11	0				
	Kovács G	i.	9	0				
	Wettschu	reck N.	8	0				

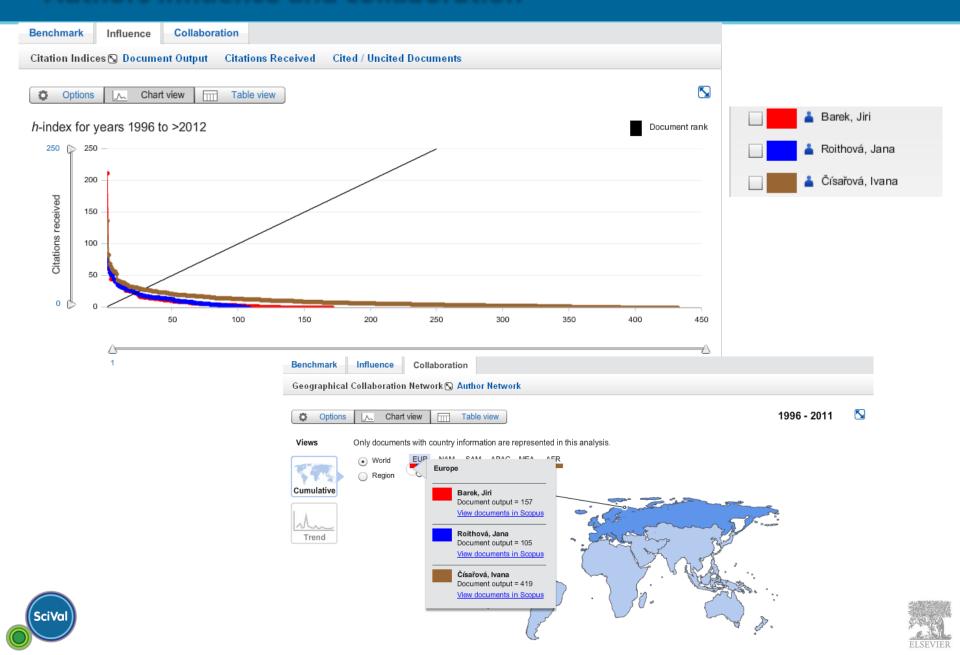


Analyzing researchers and research teams

Compare authors and teams within defined area of science

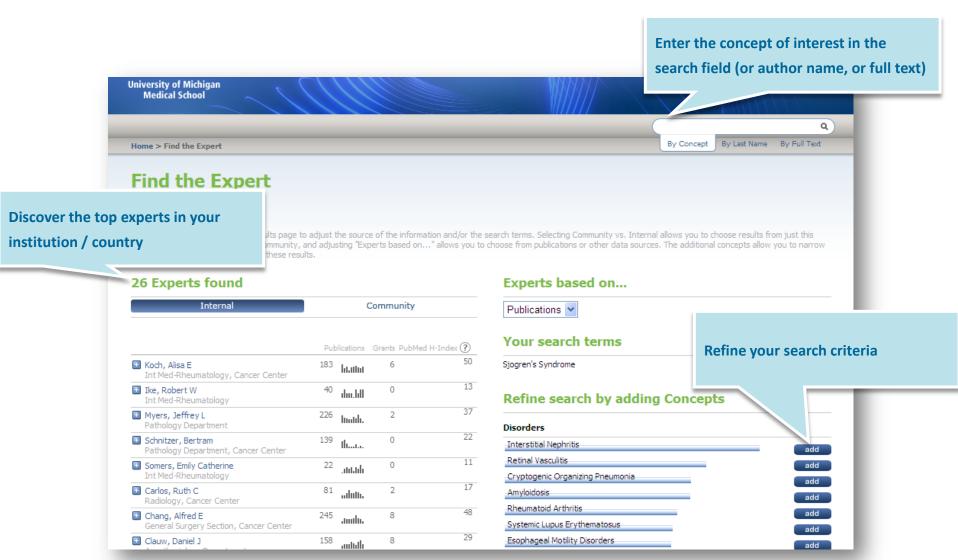


Authors influence and collaboration



How to find experts for specific research projects?

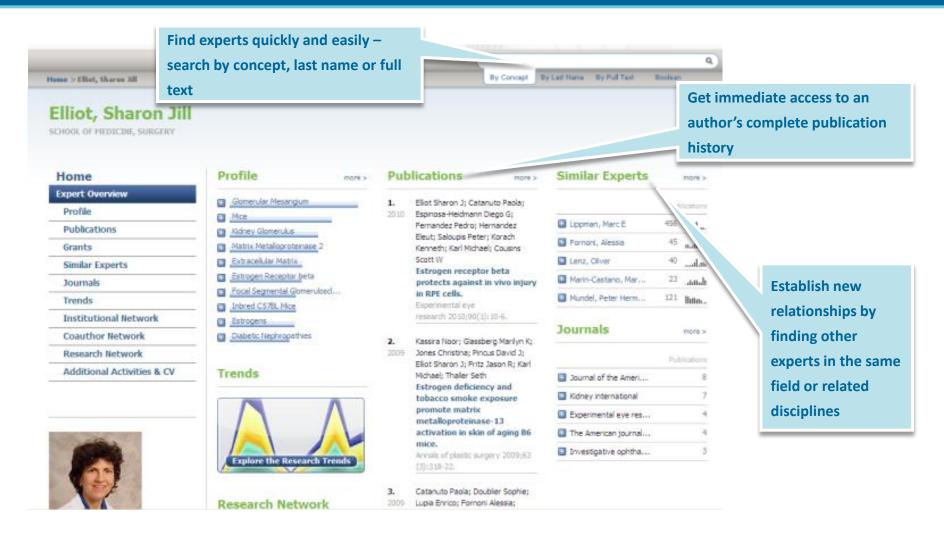
How to identify an expert who has experience in a certain area?







What expertise do I have in my organization / country?









researchprofiles

Home

By Concept By Last Name By Full Text

Welcome to the Research Profiles!

In an effort to synergize inter-disciplinary clinical and translational research, Johns Hopkins University (JHU) is committed to using innovative research tools and information technologies to promote collaboration regardless of organizational affiliation or position within the bench-to-bedside-to-population spectrum of science.

This expertise portal is a key component of Johns Hopkins University (JHU)'s mission to catalyze the application of new knowledge and techniques to clinical practice at the front lines of patient care.



Training Resources

SciVal Experts Training resources at the Welch Medical Library.

New Community Features



Maximize your results and search in databases of other partners!

Recent Publications Most Frequent Journals SciVal Experts Community National Network Profiling Overview

Experts

A B C D E F G H I J K L M N (O P Q R S T U V W	XYZ
		Publications
Peter Abadir		9
Aida Abashawl		2
Fouad Abbas		13
Patricia Abbott		22 d.IIdiii
Fizan Abdullah		السيال
Darrell Abernethy	2	58 m.lim
Marwan Abougergi		10mlll

Recent Publications more >

 Landman, BA; Asman, AJ;
 Scoggins, AG; Bogovic, JA; Stein, JA; Prince, JL
 Foibles, follies, and fusion: Web-based collaboration for medical image labeling.

NeuroImage 2012;59(1):530-9.

Calhoun, VD; Pearlson, GD
 A selective review of simulated driving studies:
 Combining naturalistic and hybrid paradigms, analysis approaches, and future directions.

NeuroImage 2012;59(1):25-35.





Which grants shell we apply for?



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Browse opportunities

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Sponsor country

Europe

Germany

France

Ireland

▼ Belgium

Sweden

Denmark

Austria

Poland

✓ Latvia

Spain

✓ Greece

Scival in Depublic

Iceland

✓ Luxembourg

Russian Federation

Switzerland

Netherlands

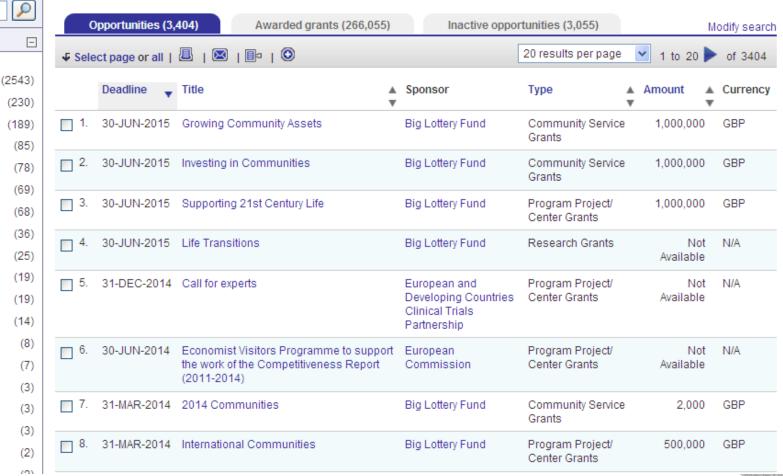
Italy

✓ United Kingdom

Enter a new search



Save this search

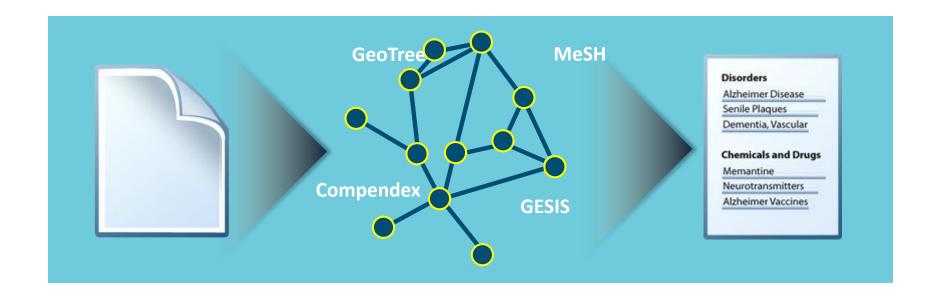




THANK YOU!

Piotr Golkiewicz
Product Sales Manager for Central-Eastern Europe
p.golkiewicz@elsevier.com

How does the Elsevier Fingerprint Engine work?

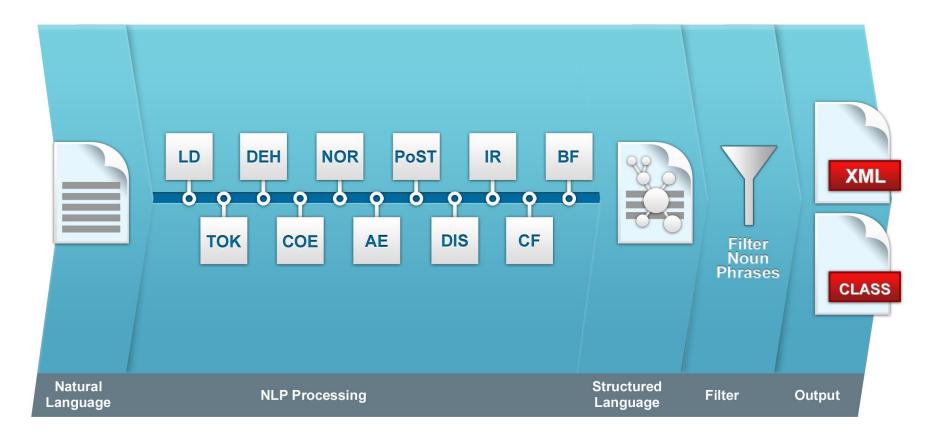


Source Text Thesauri Fingerprint





Natural Language Processing modules we apply to interpret text



Workflow: Concept Look-Up



