

Inforum 2017, 23rd annual Conference on
Professional Information Resources



University of Belgrade - University Library "Svetozar Markovic"

ALTMETRICS - USEFUL WAY FOR SCIENTIFIC COMMUNICATION

Sanja Antonic, Igor Zivanovic, Aleksandra Popovic

**University of Belgrade, University Library "Svetozar
Markovic"**

Altmetrics



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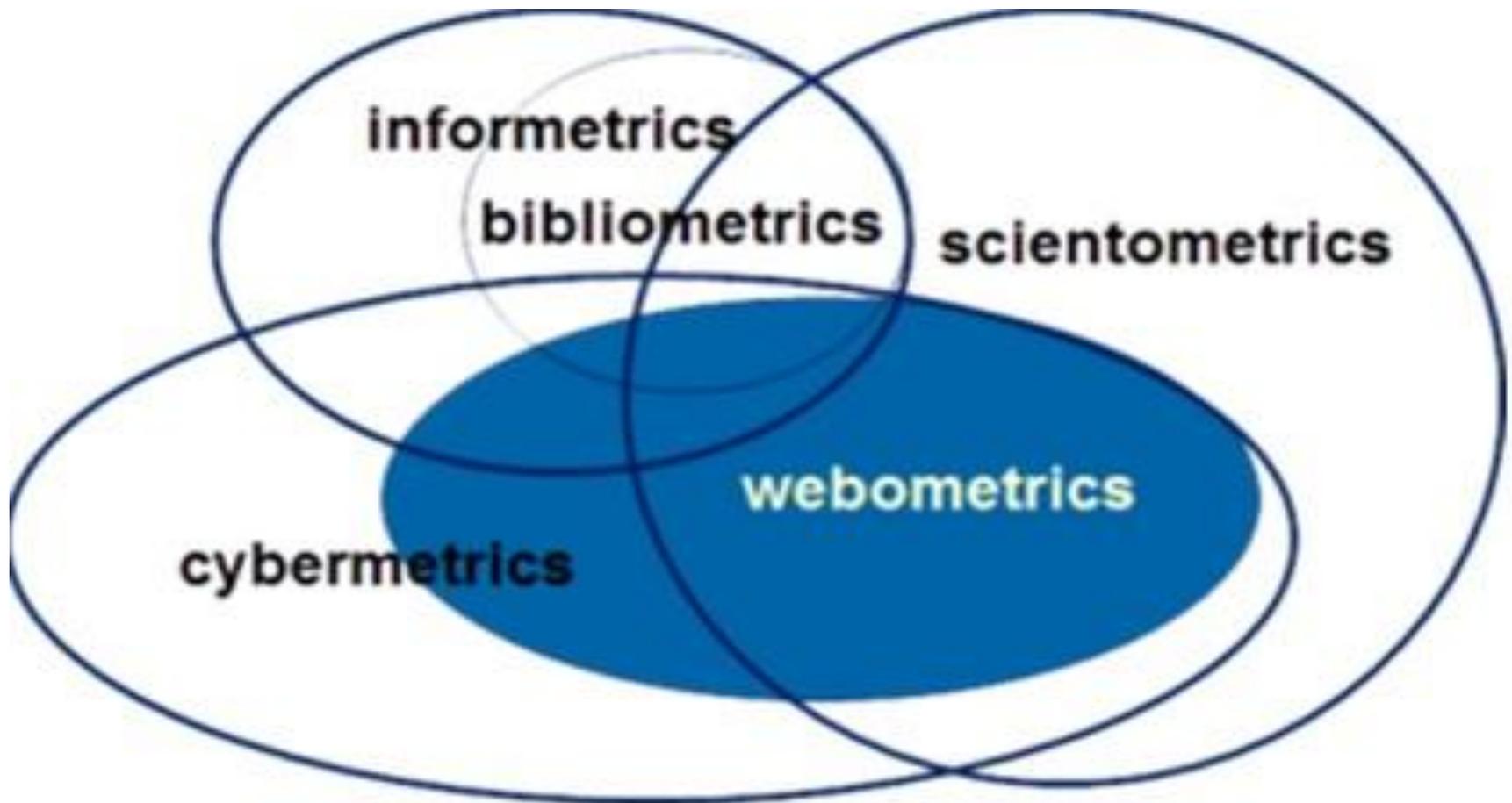
Altmetrics is alternative metrics based on web metrics, which measures impact of different sources on the web and it gives more detailed information than classical bibliometric indicators.

Every country measures impact of its science, researchers, scientific institutions and laboratories through official bibliometric indicators, but the prominence of papers becomes higher if alternative metrics is used.

Correlation between different concepts for evaluation of science



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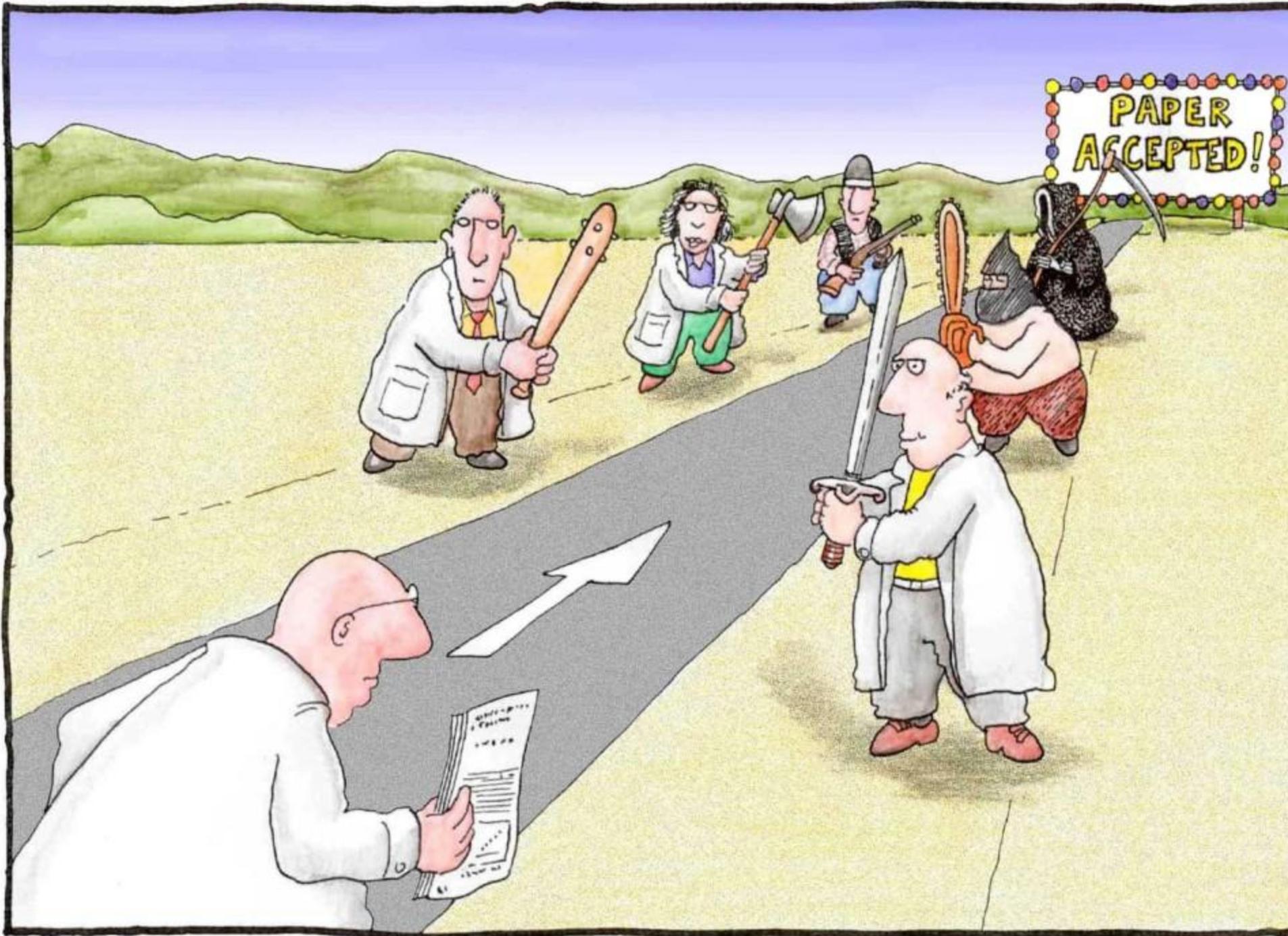
Bibliometrics



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Scientists worldwide publish their research in scientific publications or on web pages (digital repositories). Before publication the majority of scientific results has to be peer reviewed by experts in specific fields.

After publication, scientific results are available to wider scientific community which uses them in a usual ethical way which is obeyed in scientific circles, i.e. it correctly cites these results.



PAPER
ACCEPTED!



Cybermetrics or webometrics is evaluation of everything on the Internet.

Bibliometrics and scientometrics are two close concepts whose aim is to evaluate scientific material on the Internet and in science overall. Naturally, bibliometrics uses specific citation bases.

CWTS Leiden Ranking 2016 for Europe



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 CWTS Leiden Ranking

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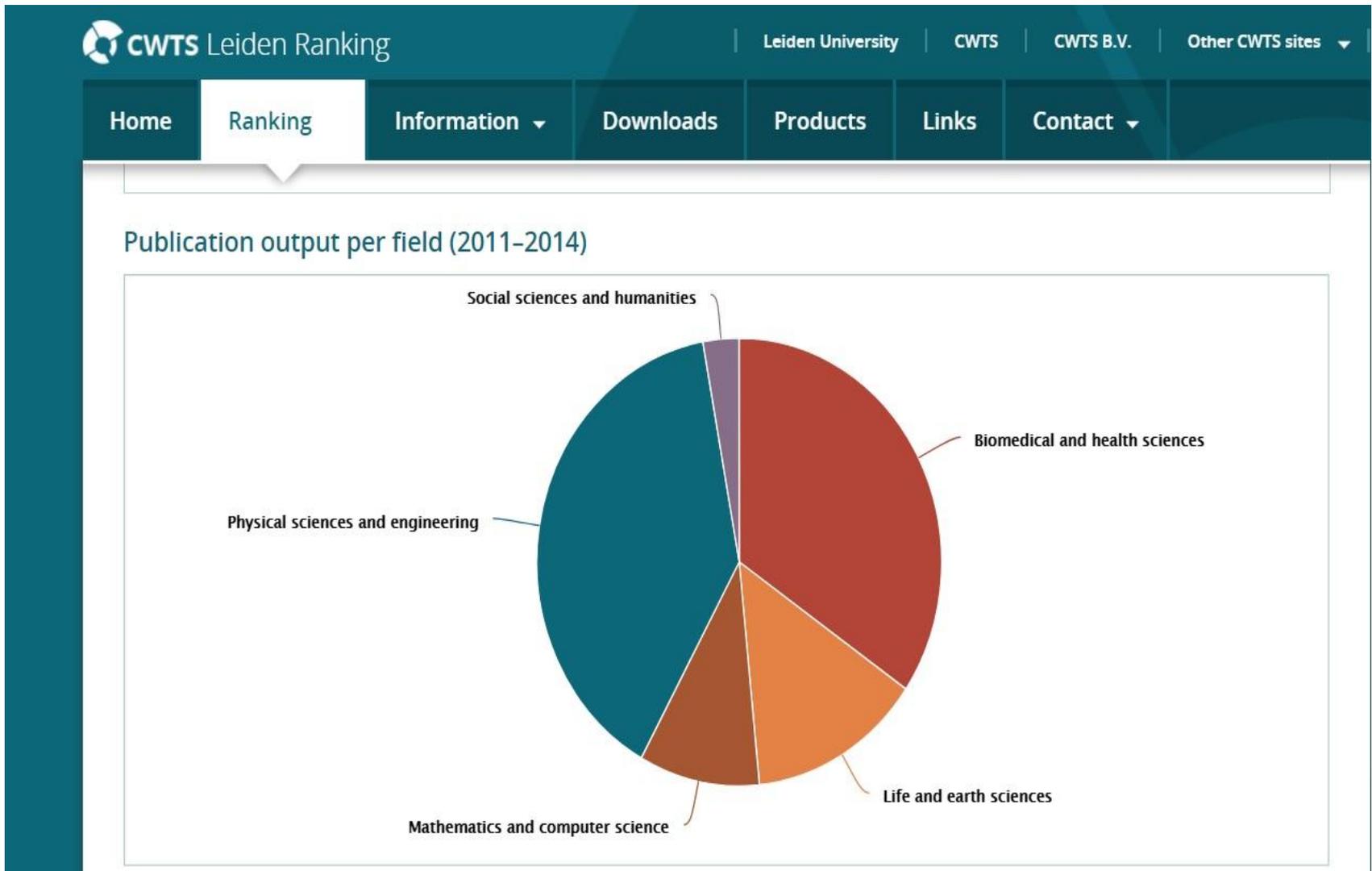
Products

	University		P	P(top 10%)	PPC
51	RWTH Aachen Univ		5072	582	
52	Charles Univ - Prague		5046	306	
53	Natl & Kapodistrian Univ Athens		4893	367	
54	Univ Belgrade		4865	238	
55	Univ Bern		4847	616	
56	Univ Naples Federico II		4844	427	
57	Tech Univ Denmark		4818	689	

University of Belgrade by disciplines



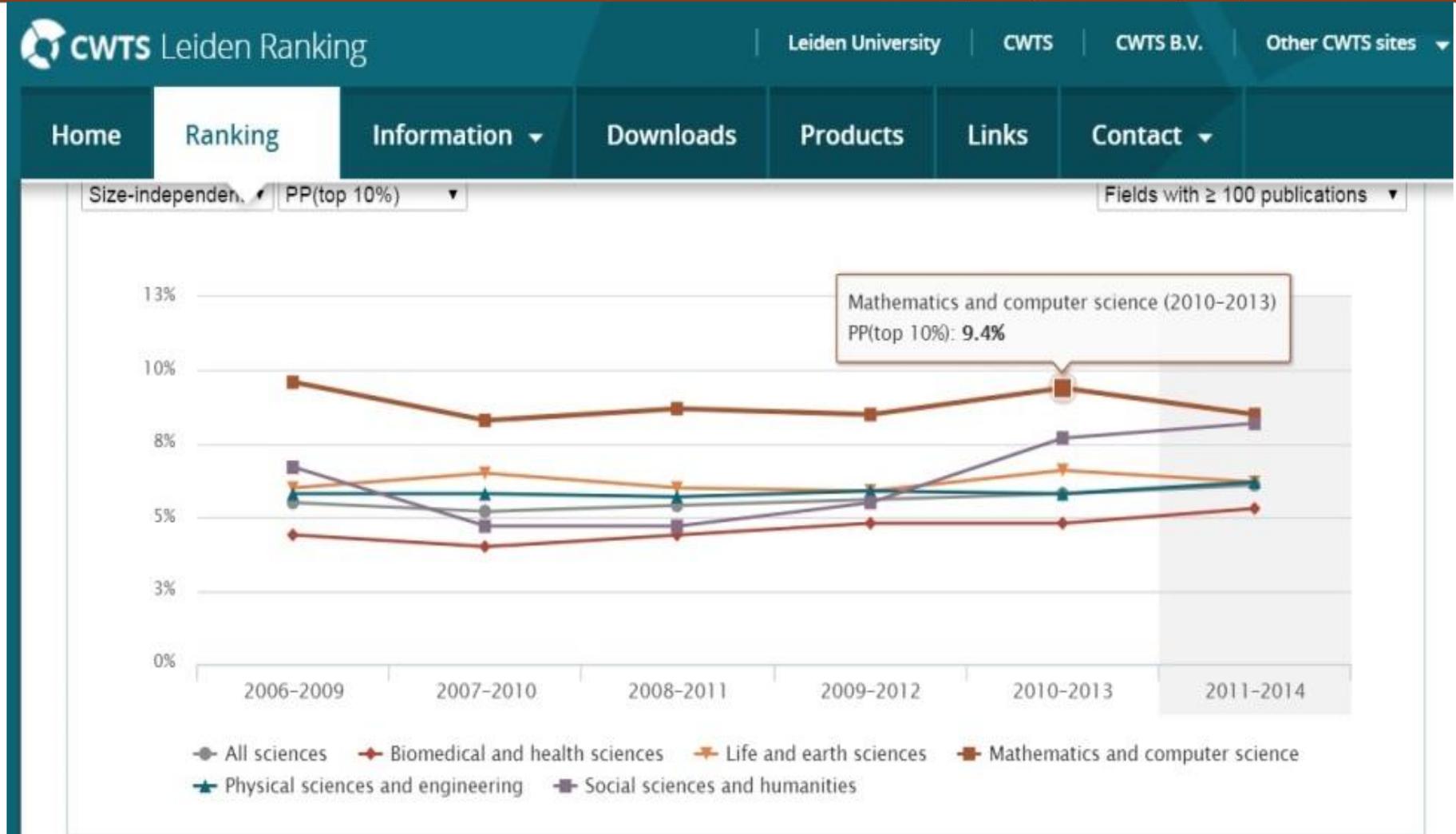
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University of Belgrade by different disciplines (2006 – 2014)



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Charles University - Prague by different disciplines



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CWTS Leiden Ranking

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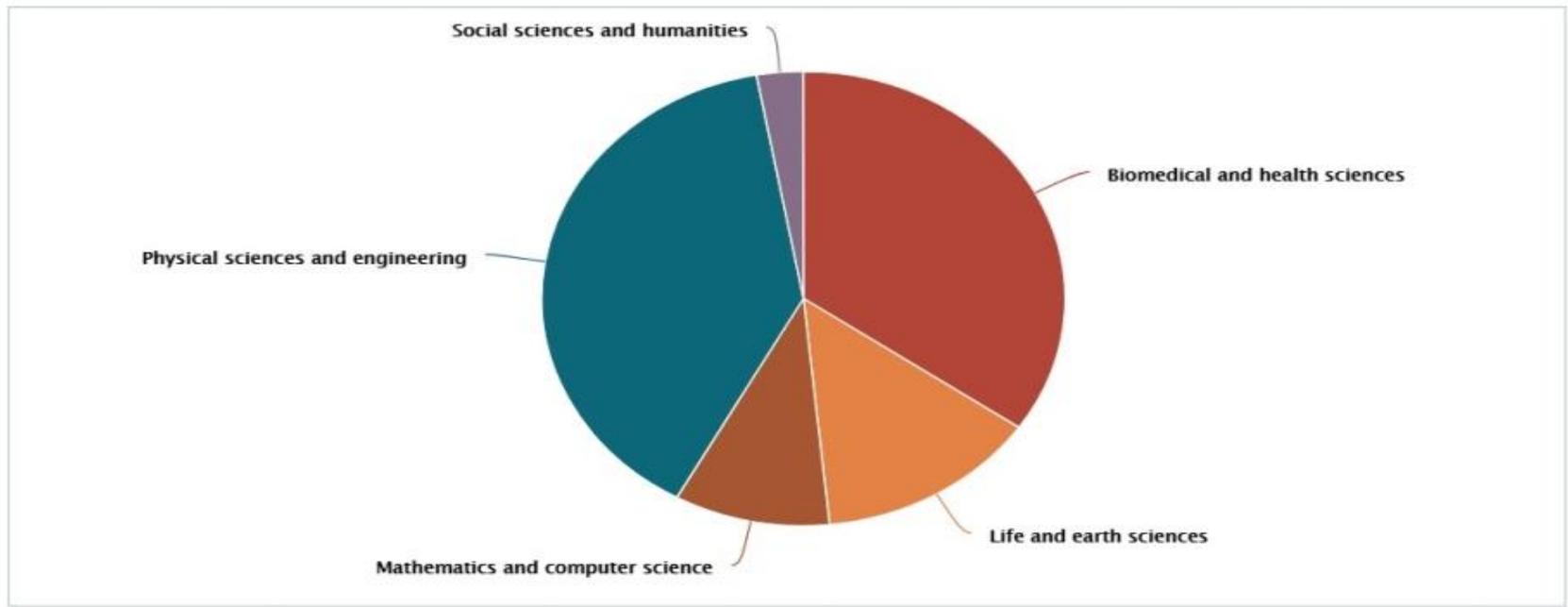
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Publication output per field (2011–2014)



Charles University - Prague by different disciplines (2006 – 2014)



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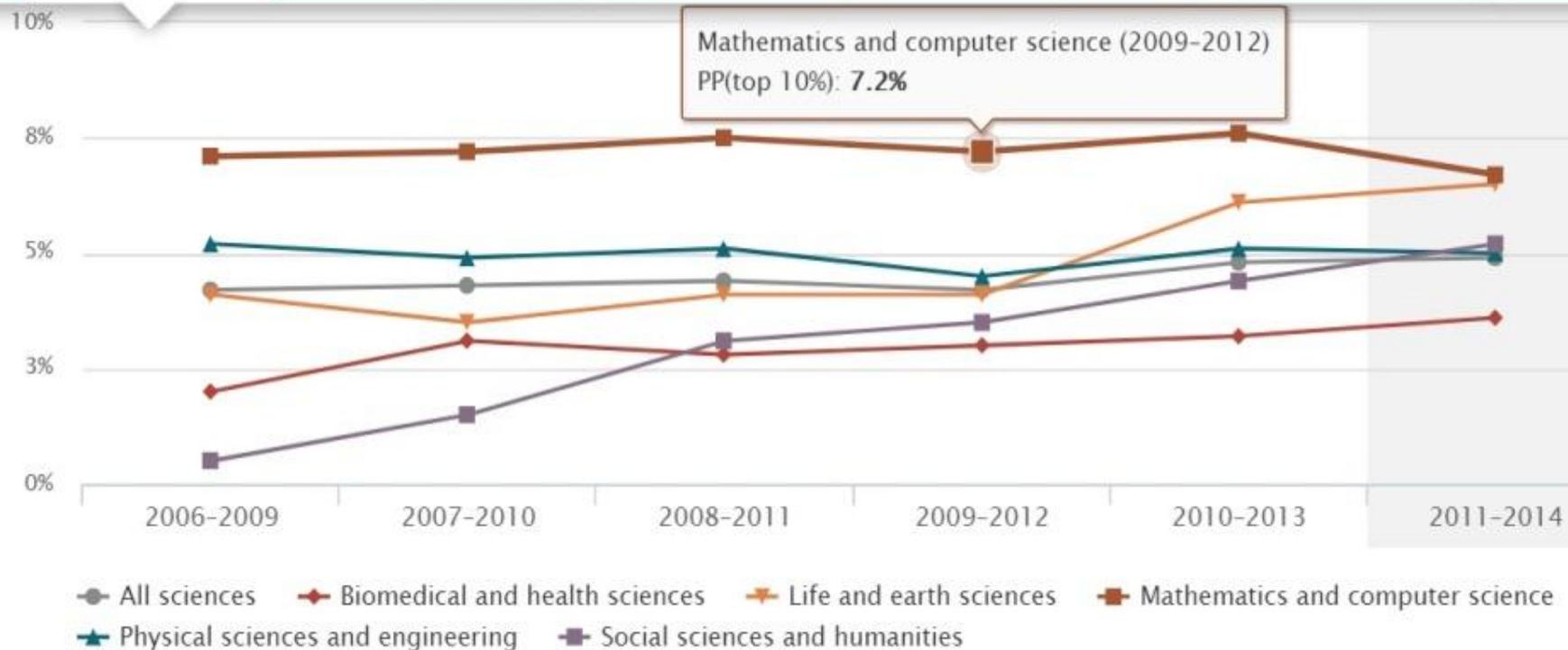
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Altmetrics-services and sources



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Altmetrics in practice



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The following Altmetrics services are used:

1. **Altmetric** : <http://www.altmetric.com/>
2. **ImpactStory** : <https://impactstory.org/>
3. **PLOS** : <http://article-level-metrics.plos.org/>
4. **Plum Analytics Analytics** :
<http://www.plumanalytics.com/>

Altmetric :

<http://www.altmetric.com/>



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? What is this page?

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Overview of attention for article published in Nature, February 2012



Colors of the donut

The colors of the Altmetric donut each represent a different source of attention:

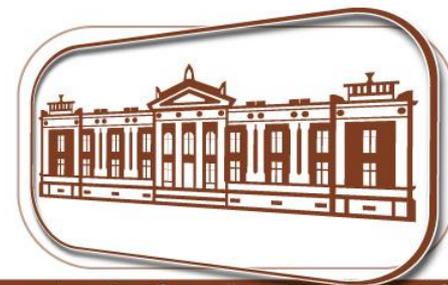
- | | |
|---------------------------------|------------------------|
| ● Policy documents | ● Google+ |
| ● News | ● LinkedIn |
| ● Blogs | ● Reddit |
| ● Twitter | ● Faculty1000 |
| ● Post-publication peer-reviews | ● Q&A (stack overflow) |
| ● Facebook | ● Youtube |
| ● Sina Weibo | ● Pinterest |
| ● Wikipedia | |

The amount of each color in the donut will change depending on which [sources](#) a research output has received attention from:



ImpactStory :

<https://impactstory.org/>



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4268 ONLINE MENTIONS OVER 1 YEARS

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a month ago by La Vanguardia
 *The Case for Open Preprints in Biology*

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 **Los artículos científicos toman un atajo 'on line'**
2 months ago by SINC - Servicio De Información Y Noticias Científicas
 *The Case for Open Preprints in Biology*

 **+ 34 tweets** [click to show](#)
2 months ago

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-  News mentions (9)
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-  Wikipedia articles (6)
-  F1000 reviews (4)
-  Public peer reviews (2)
-  Weibo posts (1)

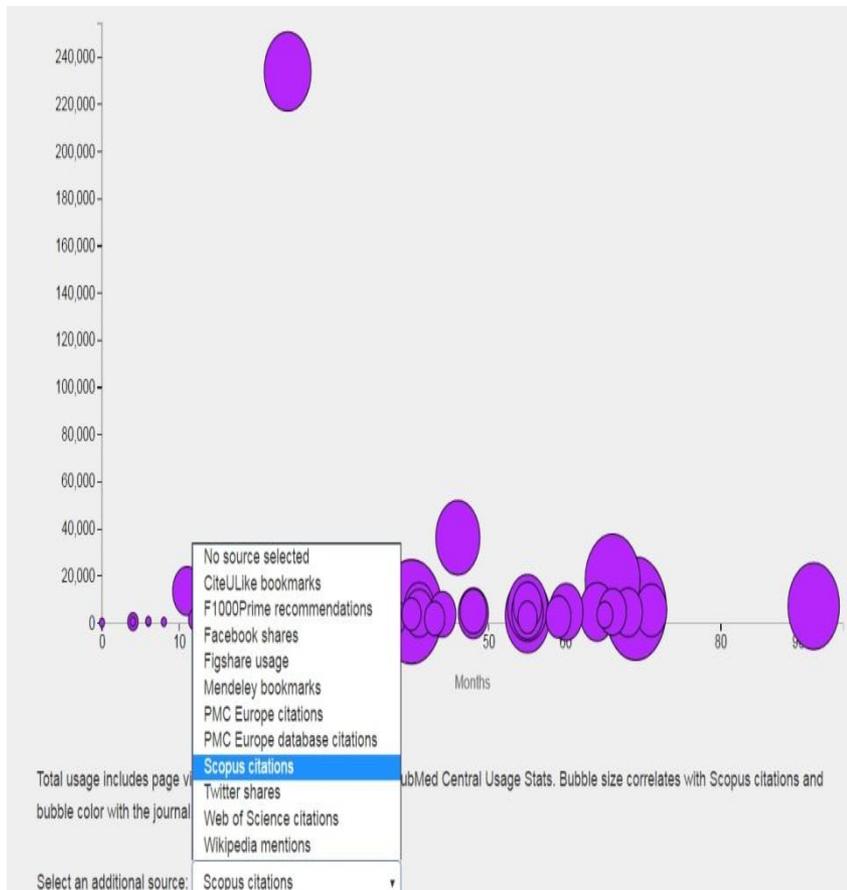
 also from '14: <https://plus.google.com/+MarkGerstein/posts/D8kYoqiWL1P> Best Practices for Sci Computing... also from '14: <https://plus.google.com/+MarkGerstein/posts/D8kYoqiWL1P>

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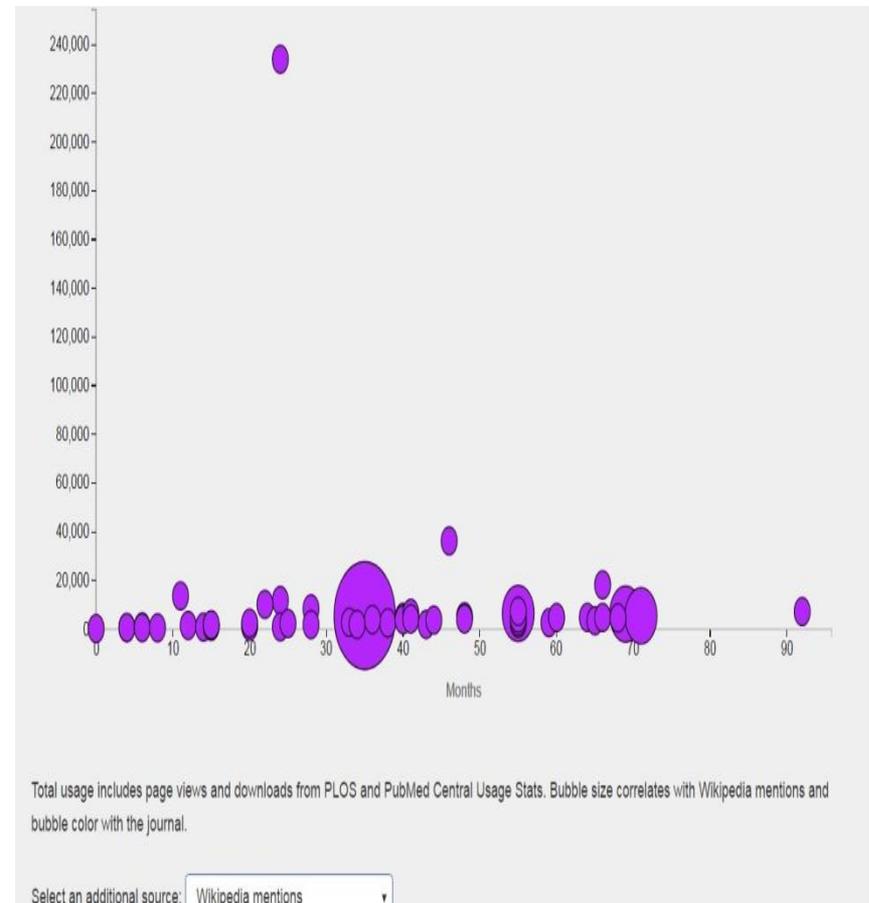
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Default search is Scopus citations



Wikipedia mentions



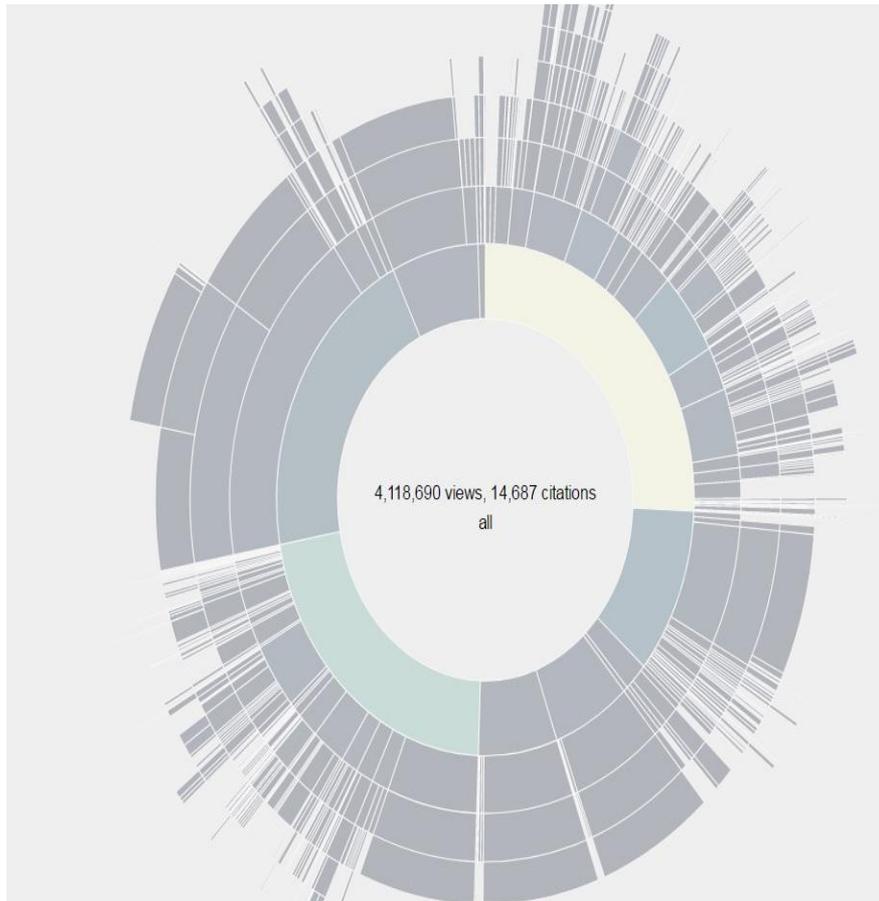
PLOS :

<http://article-level-metrics.plos.org/>

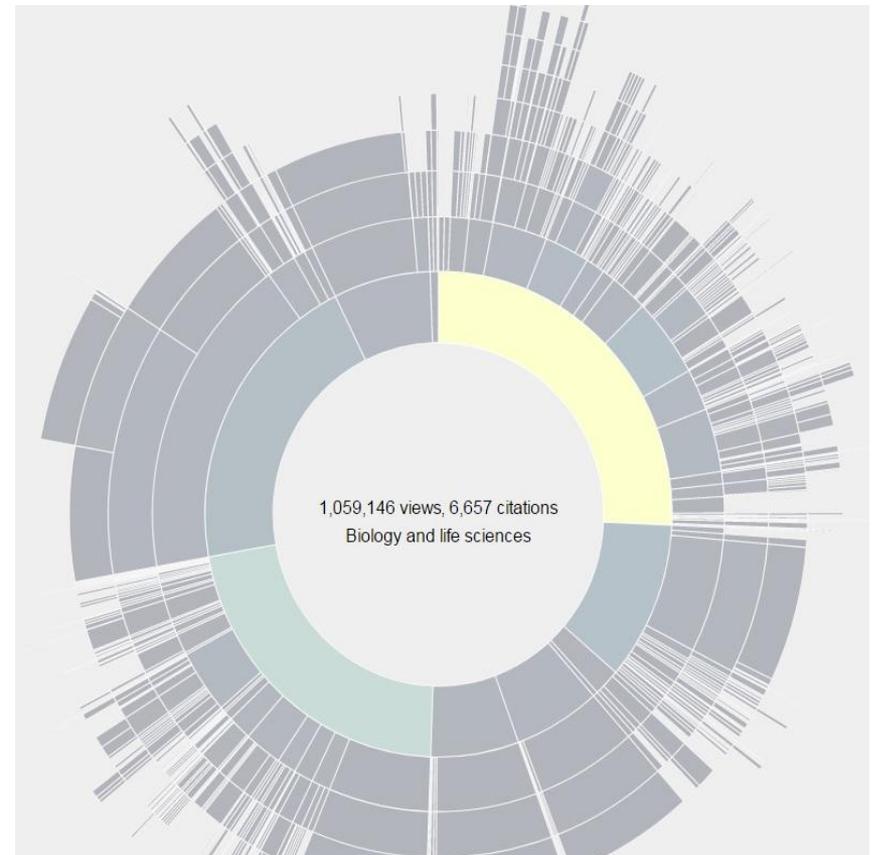


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Serbia: Number of views and citation



Serbia: Biology and life sciences are the most representative.



Plum Analytics

<http://www.plumanalytics.com/>



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Their motto is: "Research output is more than articles. Measure it ALL!"

Increase Visibility



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ResearchGate - RG profile

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Information Professional for Biomedicine and Biotechnol...
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Add a new Article

Overview Contributions Info **Stats** Scores

Congratulations

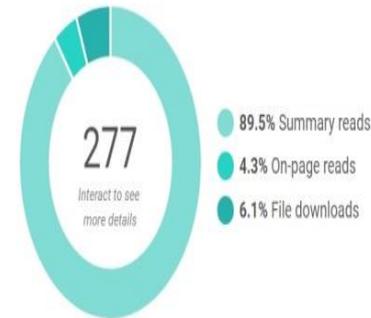
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Article

Antonić, S., Krimulović, O., & Kavaja Stanišić, D. (2009). 65
Analiza citiranosti: trenutno stanje i pe...
Sanja Antonic

Article

Кооперативан рад на доградњи Српског Wordneta 47
Cvetana Krstev, Bojana Djordjevic, [...], Ljiljana Macura

Conference Paper

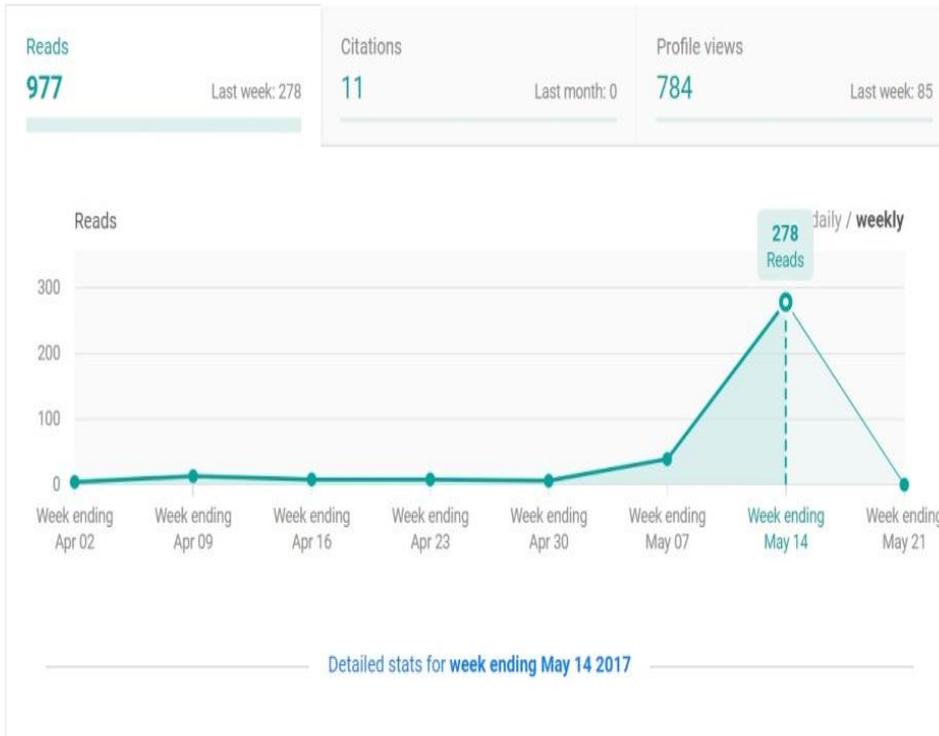
The Role of National Citation Index in the Evaluation of 40
National Science
Aleksandra Popovic, Sanja Antonic, Dragana Stolic
3rd International Conference The Future of Information Sciences (INFuture) INFuture2011: "Information Sciences and e-Society",
http://infoz.ffzg.hr/bookstore/files/INFuture2011.pdf, 11/2011
DOI:10.13140/RG.2.1.2415.6649

Increase Visibility- results



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Pick of the chart -278 reads



Reads by countries

Reads by institution

 University of Belgrade Belgrade, Serbia	13
 Dalhousie University Halifax, Canada	6
 Saint Petersburg State University Saint Petersburg, Russia	8
 Azerbaijan National Academy of Sciences Baku, Azerbaijan	2

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Future ?



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<http://blogs.plos.org/absolutely-maybe/files/2017/04/Twitteromics.jpg>



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Thank You for Your Attention!