



Altmetric Explorer in University of Oulu

14.2.2024 Jani Sassali

Oulu University Library/Bibliometric services



Altmetric Explorer in University of Oulu

- Altmetric Explorer was acquired in September 2023
- Before the acquisition, bibliometric services used the free librarian version of Explorer
 - Librarian version have been used for years as part of various reports to show the highlights of the online attention received by the publications.



What did we expect to be the benefit of acquiring the Explorer

- Better coverage in some disciplines that are covered less well by citation metrics
- Provides useful metrics for new publications as well
- It can be used to identify the potential societal impact
- A useful tool for researchers themselves to use
- Makes the bibliometrics team's work easier



Altmetric coverage by faculties (all publications 2018-2023)

Faculty	All pubs	Pubs with DOI		DOI-pubs with at least 1 mention		Total mentions	Mentions per DOI-pub
	n	n	%	n	%	n	n
Biochemistry and Molecular Medicine	609	513	84 %	430	84 %	5545	10,8
Education and Psychology	1388	863	62 %	458	53 %	5734	6,6
Humanities	2249	989	44 %	435	44 %	5347	5,4
Information Technology and Electrical Engineering	4872	4247	87 %	1025	24 %	6371	1,5
Medicine	6316	5149	82 %	3819	74 %	147757	28,7
Science	2965	2609	88 %	1731	66 %	41090	15,7
Technology	3119	2454	79 %	647	26 %	3560	1,5
Oulu Business School	940	624	66 %	205	33 %	1696	2,7
University of Oulu	21889	16878	77 %	8345	49 %	211985	12,6



Altmetric coverage by faculties (peer-reviewed publications 2018-2023)

Faculty	All pubs (A+C)	Pubs with DOI (A+C)		DOI-pubs (A+C) with at least 1 mention		Total mentions	Mentions per DOI-pub (A+C)
	n	n	%	n	%	n	n
Biochemistry and Molecular Medicine	496	489	99 %	416	85 %	5444	11,1
Education and Psychology	962	786	82 %	430	55 %	5585	7,1
Humanities	1388	876	63 %	399	46 %	5174	5,9
Information Technology and Electrical Engineering	4252	4045	95 %	997	25 %	6210	1,5
Medicine	5169	4845	94 %	3636	75 %	145297	30,0
Science	2535	2458	97 %	1673	68 %	39521	16,1
Technology	2485	2384	96 %	628	26 %	3402	1,4
Oulu Business School	675	595	88 %	202	34 %	1692	2,8
University of Oulu	17352	15920	92 %	7986	50 %	207269	13,0



Altmetric coverage by faculties (other than peer-reviewed publications 2018-2023)

Faculty	All pubs (other than A+C))	Pubs with DOI (other than A+C)		DOI-pubs with at least 1 mention (other than A+C)		Total mentions	Mentions per DOI-pub (other than A+C)
	n	n	%	n	%	n	n
Biochemistry and Molecular Medicine	115	24	21 %	14	58 %	101	4,2
Education and Psychology	427	77	18 %	28	36 %	149	1,9
Humanities	860	113	13 %	36	32 %	173	1,5
Information Technology and Electrical Engineering	620	202	33 %	28	14 %	161	0,8
Medicine	1149	304	26 %	183	60 %	2460	8,1
Science	431	151	35 %	58	38 %	1569	10,4
Technology	634	70	11 %	19	27 %	158	2,3
Oulu Business School	266	29	11 %	3	10 %	4	0,1
University of Oulu	4536	958	21 %	359	37 %	4716	4,9



Altmetrics for new publications (Uoulu doi pubs 2023, n=2779)

	Indexed / tracked doi-pubs	citations / mentions	citations / mentions per pub	pubs with At least one citation / mention	
				n	%
Scopus	2458	4576	1,86	1170	48 %
Altmetric Explorer	1496	23586	15,76	1227	82 %



Is Altmetric Explorer useful for identifying potential societal impact?

Faculty	Doi-pubs with attention	Total mentions	Social Media mentions (%)	News and Blogs mentions (%)	Policy and patents mentions (%)	Other sources mentions (%)	Academic sources mentions (%)
Biochemistry and Molecular Medicine	430	5545	92 %	5 %	0,4 %	2,1 %	0,5 %
Education and Psychology	458	5734	92 %	7 %	0,1 %	0,2 %	0,1 %
Humanities	435	5347	87 %	10 %	0,3 %	2,4 %	0,1 %
Information Technology and Electrical Engineering	1025	6371	87 %	7 %	4,2 %	0,8 %	0,3 %
Medicine	3819	147757	89 %	10 %	0,4 %	0,2 %	0,2 %
Science	1731	41090	83 %	16 %	0,2 %	0,8 %	0,3 %
Technology	647	3560	88 %	8 %	2,3 %	1,0 %	0,6 %
Oulu Business School	205	1696	88 %	10 %	0,6 %	0,6 %	0,9 %
University of Oulu	8345	211985	88 %	11 %	0 %	0 %	0 %



A useful tool for researchers?

- It certainly is, but not necessarily easy to use
 - It is easy to use if the researcher has an up-to-date ORCID profile or has the doi identifiers of their publications available
 - Profiles have not been created for researchers, so a search by name alone will bring a large number of irrelevant results



Does Altmetric Explorer make the work of the bibliometric team easier

- Yes, it does
 - The whole team can now use the tool versus just two of us before
 - All search features are now enabled
 - Now we can search for 25,000 publications at once, whereas before we had to search in batches of 50

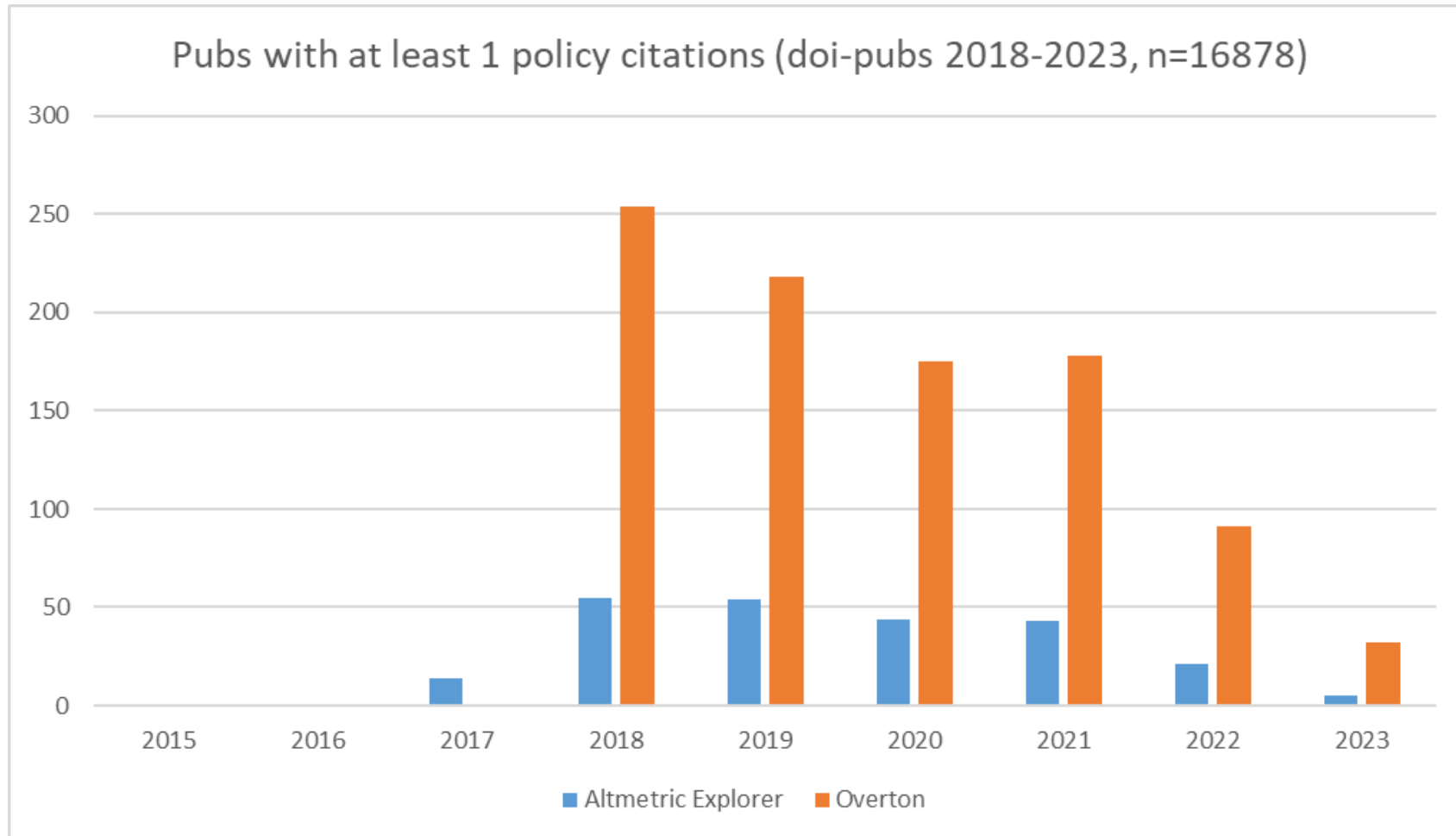


A good tool for identifying highlights, but is it useful for producing analysis?

- The biggest problem is the almost complete lack of normalisation and the difficulty of using it for benchmarking
- In January, a possible help for this has become available, the Altmetric on GBQ (extra charge)



Bonus: Why to acquire Overton, when we already have Altmetric Explorer?





Some Altmetric sources

- A guide to the responsible use of Altmetric data
Miles, R., & Price, R. (2023). Using Altmetric data responsibly: A guide to interpretation and good practice [White paper]. LIS-Bibliometrics Community. <http://hdl.handle.net/10919/116448>
- Altmetrics chapter in the Finnish national guide to publication metrics
<https://wiki.eduuni.fi/display/csckjmo/Altmetriikka>