



University of Szczecin

Open Access Week 24–28th of October

Future of Open Access Publishing

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25th October 2022



Agenda

A horizontal orange line with a wavy, hand-drawn appearance, positioned below the title.

History of Academic Publishing

Academic Publishing Output

Poland and Open Access

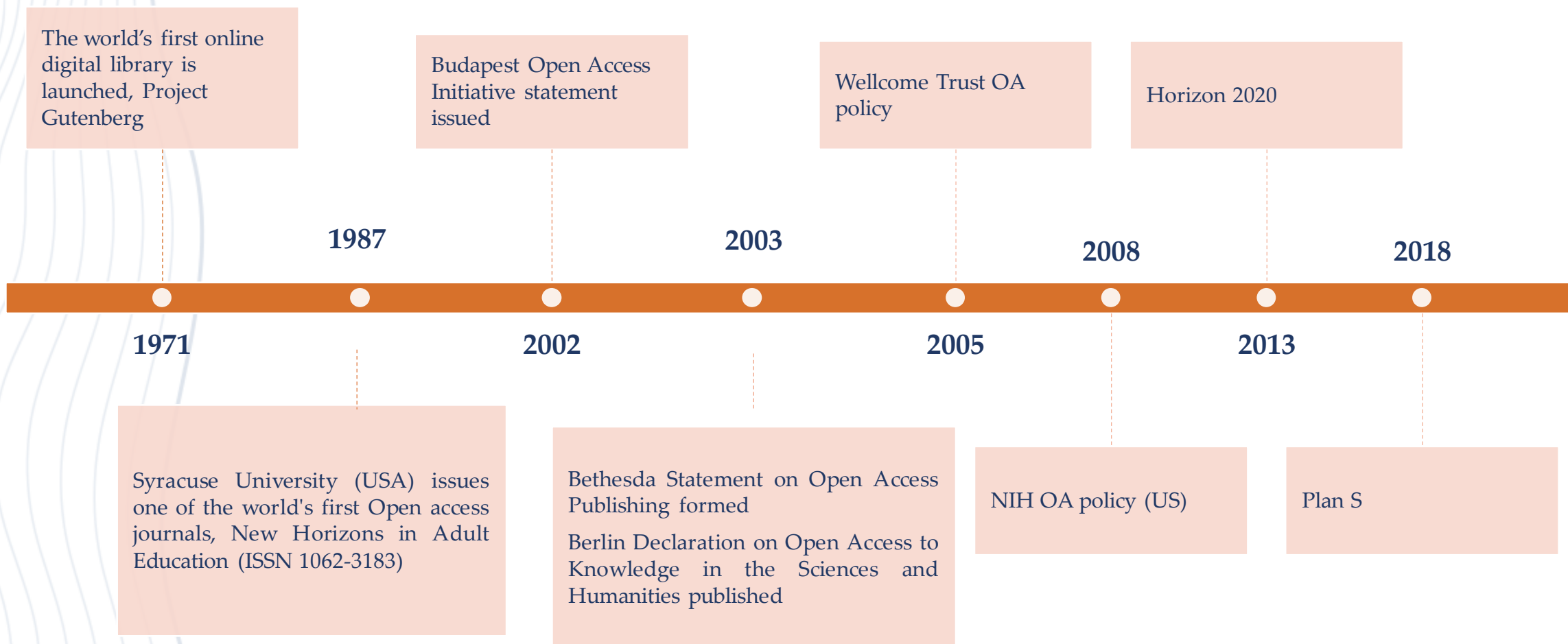
Szczecin University in Open Access

MDPI in Open Access

Conclusion

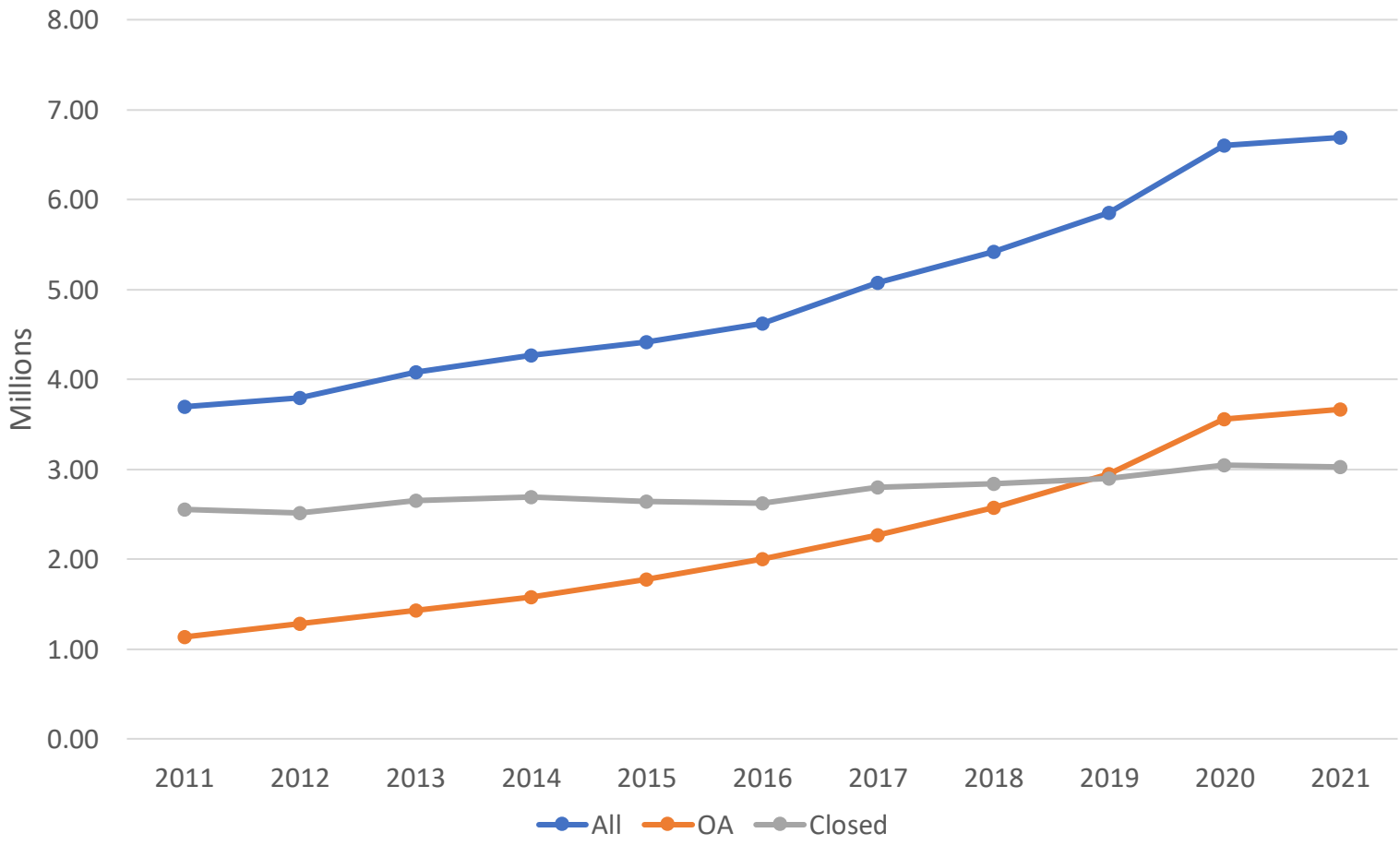


History of Academic Publishing



Open Access Literature Growth

2011-2021

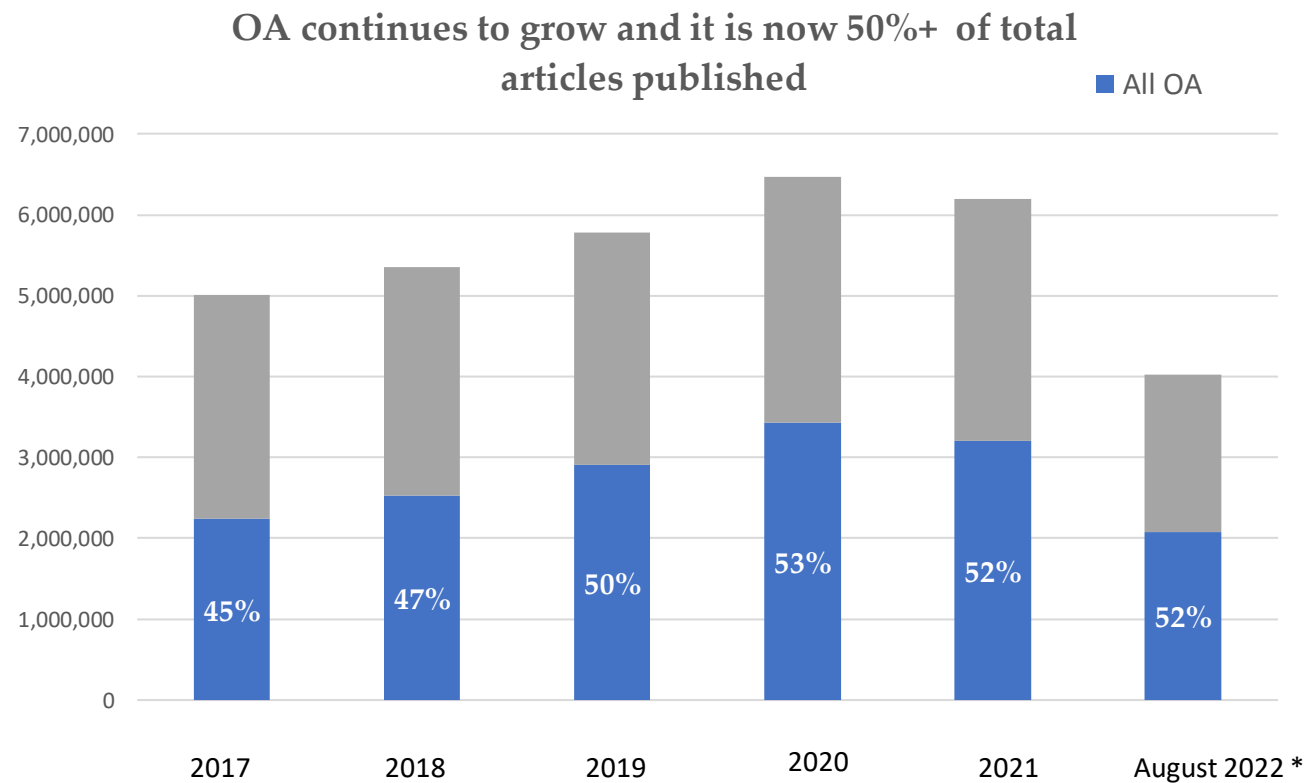


Source: <https://app.dimensions.ai/discover/publication> (6/10/2022)

Academic Publishing Output



Over the past 5 years total OA publishing grew by an average of 10% each year, while closed (subscription) only by 3%.



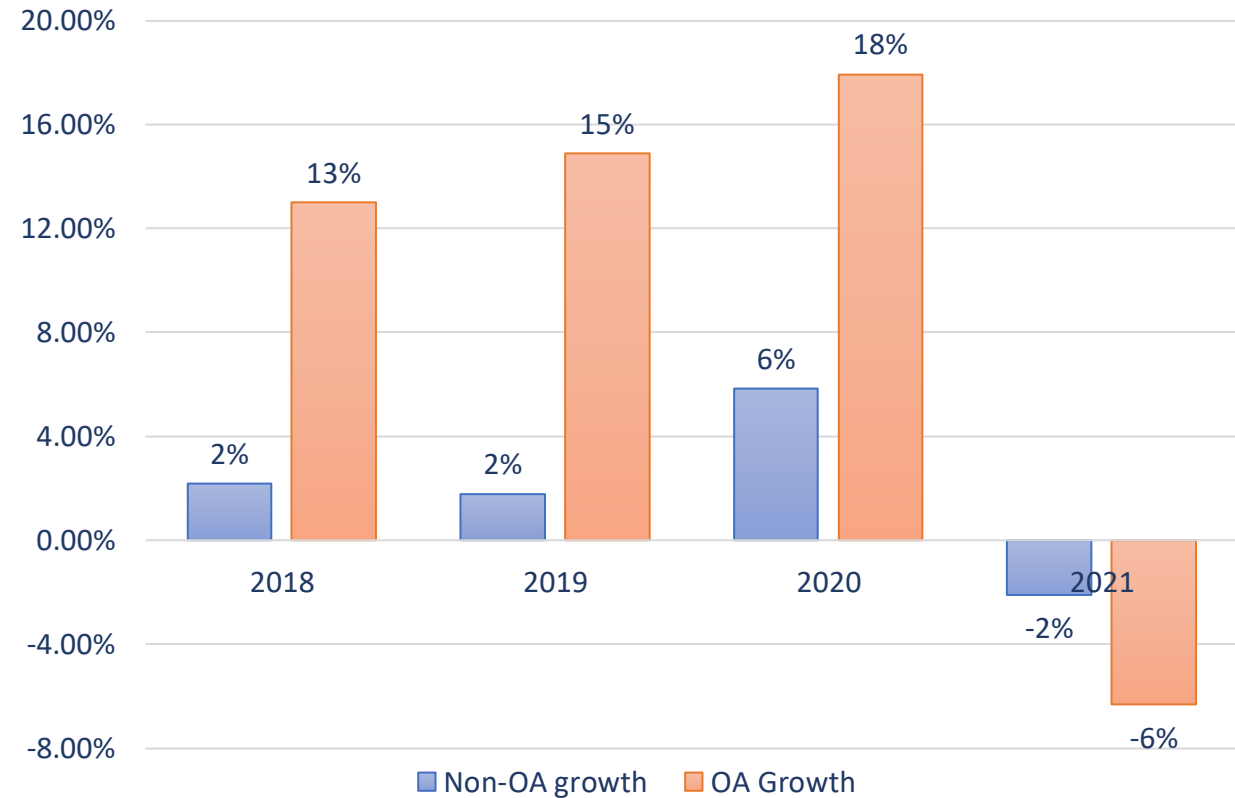
* as of August 30th, 2022. Based on data from Dimensions, Digital Sciences

OA versus non-OA

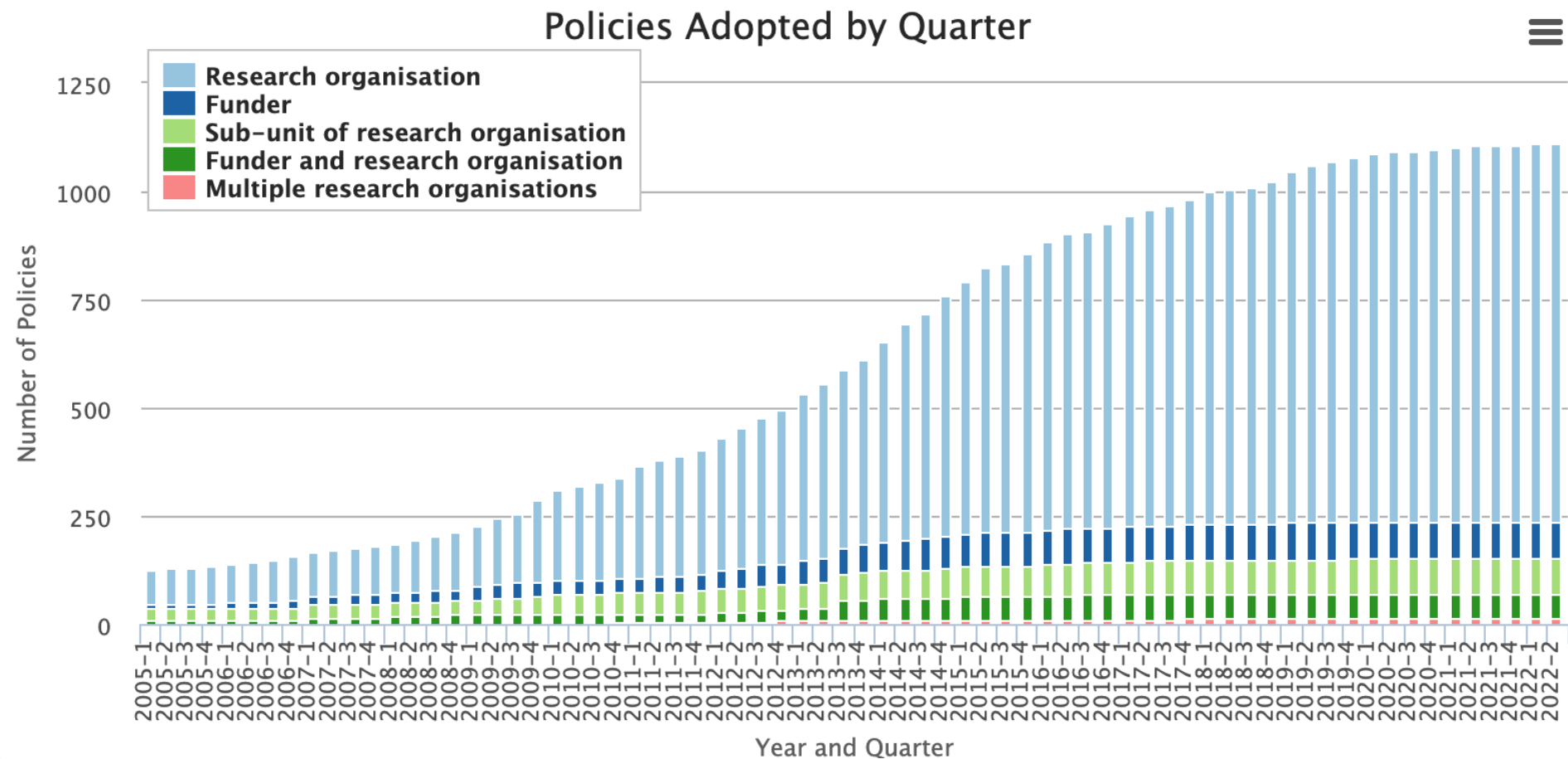


Over the past 5 years, OA grew at a more rapid pace (approx. 15% YoY) but dropped by 6% in 2021 vs a 2% decrease in non-OA.

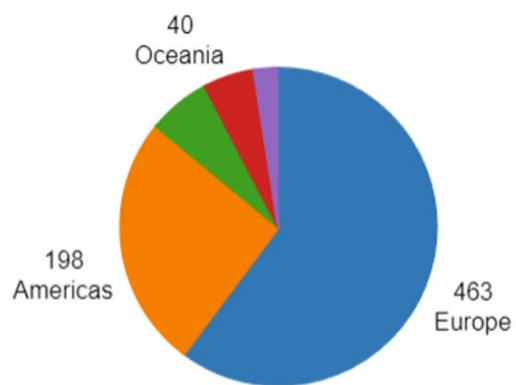
Non-OA continued to maintain a significant market share, in spite of Transformative Agreements.



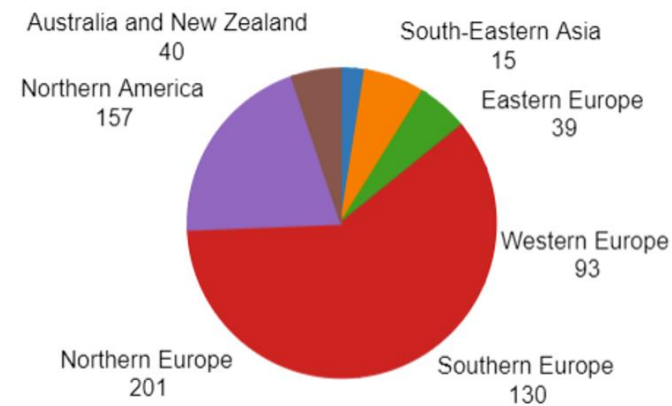
OA Policies and Mandates (ROARMAP)



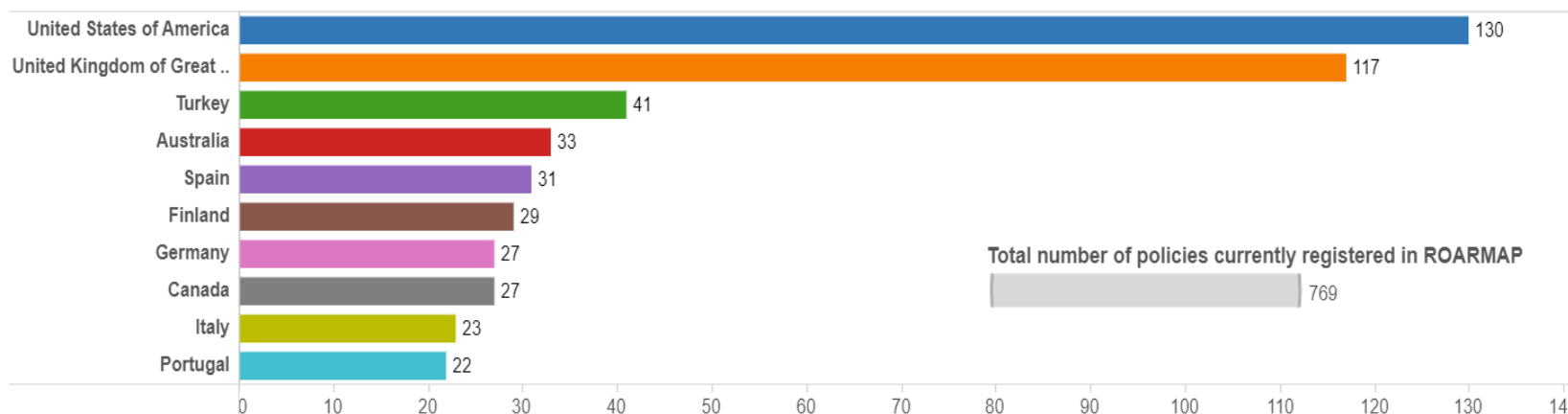
Demography OA policies



By continent



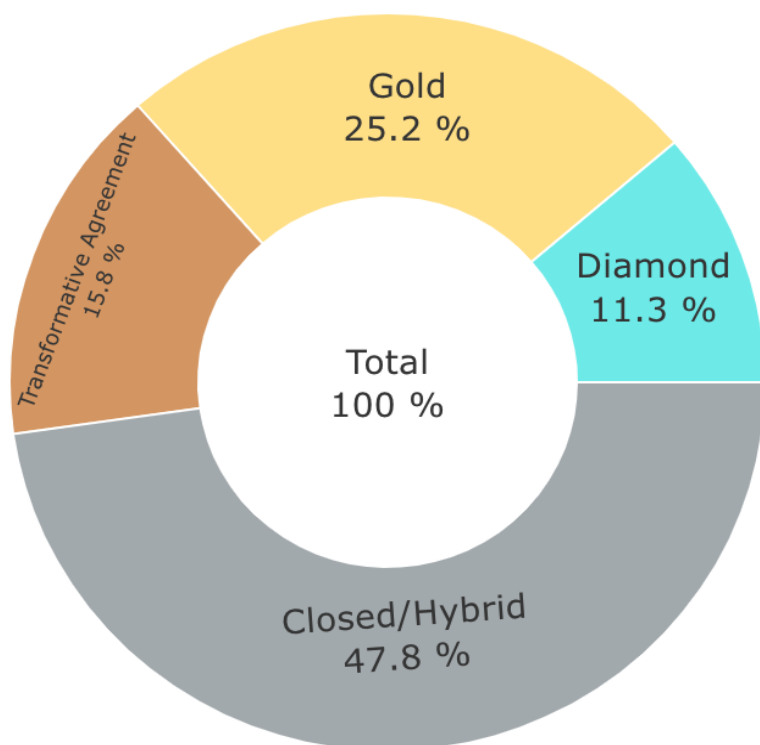
By continental region



Top 10 countries by the number of OA policies adopted

The Publishing Models

Distribution of the journal to
the publication models



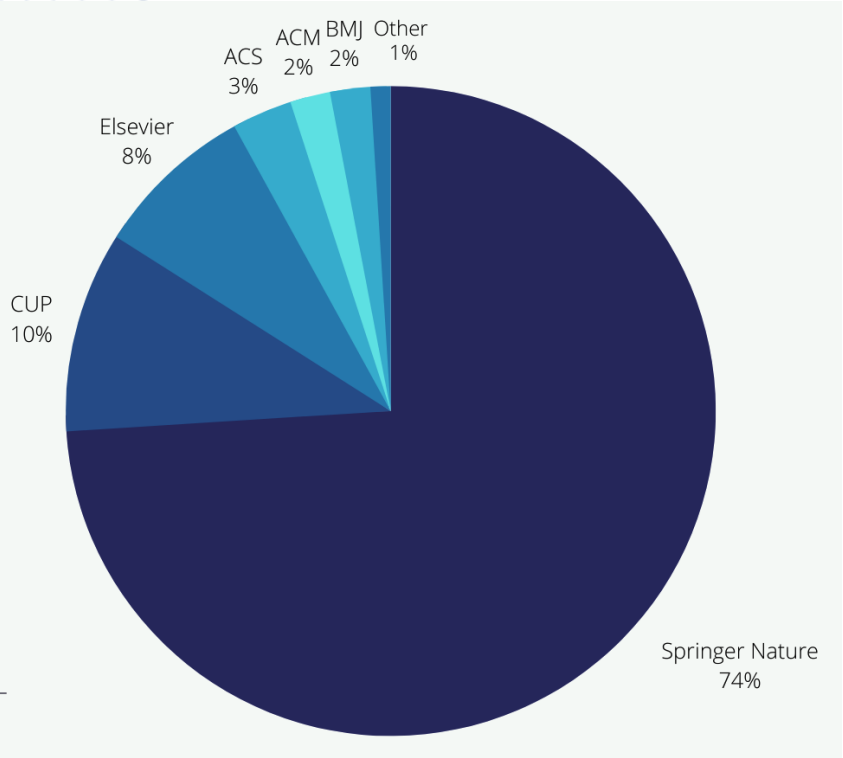
Transformative agreements continue to dominate budget expenditure for academic institutions.

Expensive agreements only cover 2000–3000 articles published, in most cases, with little left in budgets for OA publications.

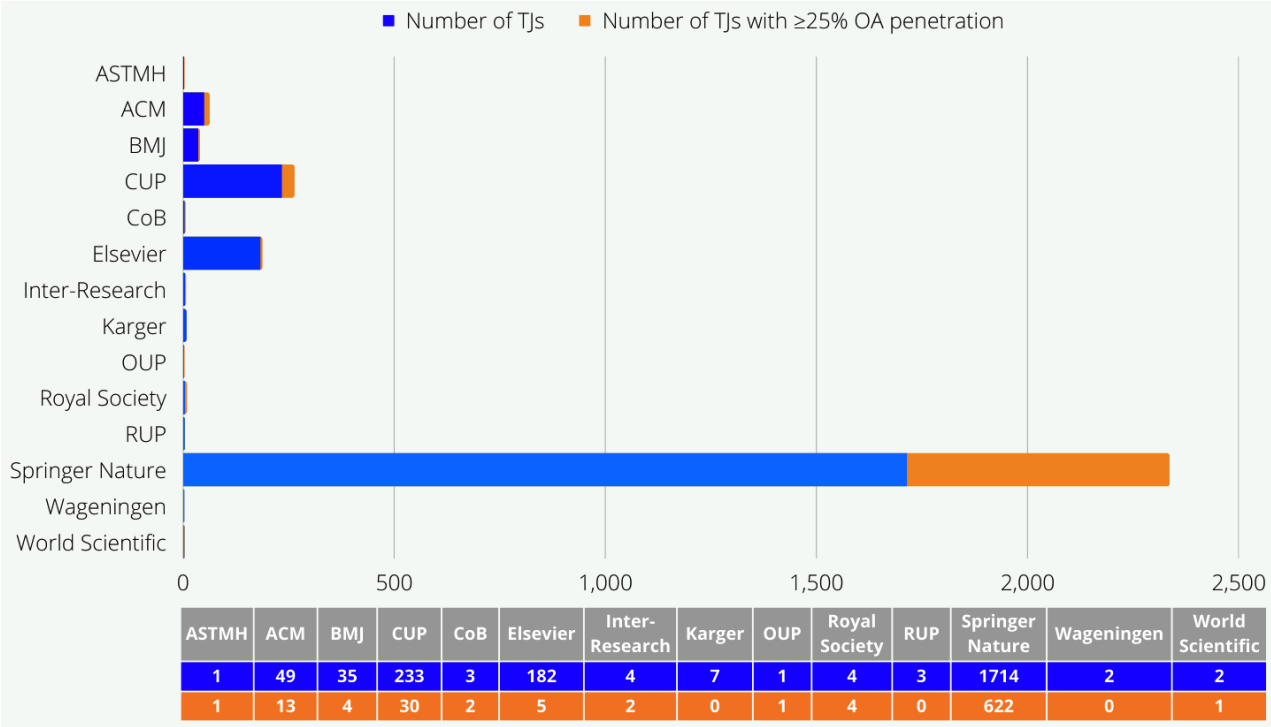
Approaches in Europe:

- capping the APC (max 2000 eur) in Germany
- Set APC budgets aside for pure OA (Switzerland, UK, Norway)
- Stop Transformative agreements support after 2024

Plan S – Transformative agreements/journals

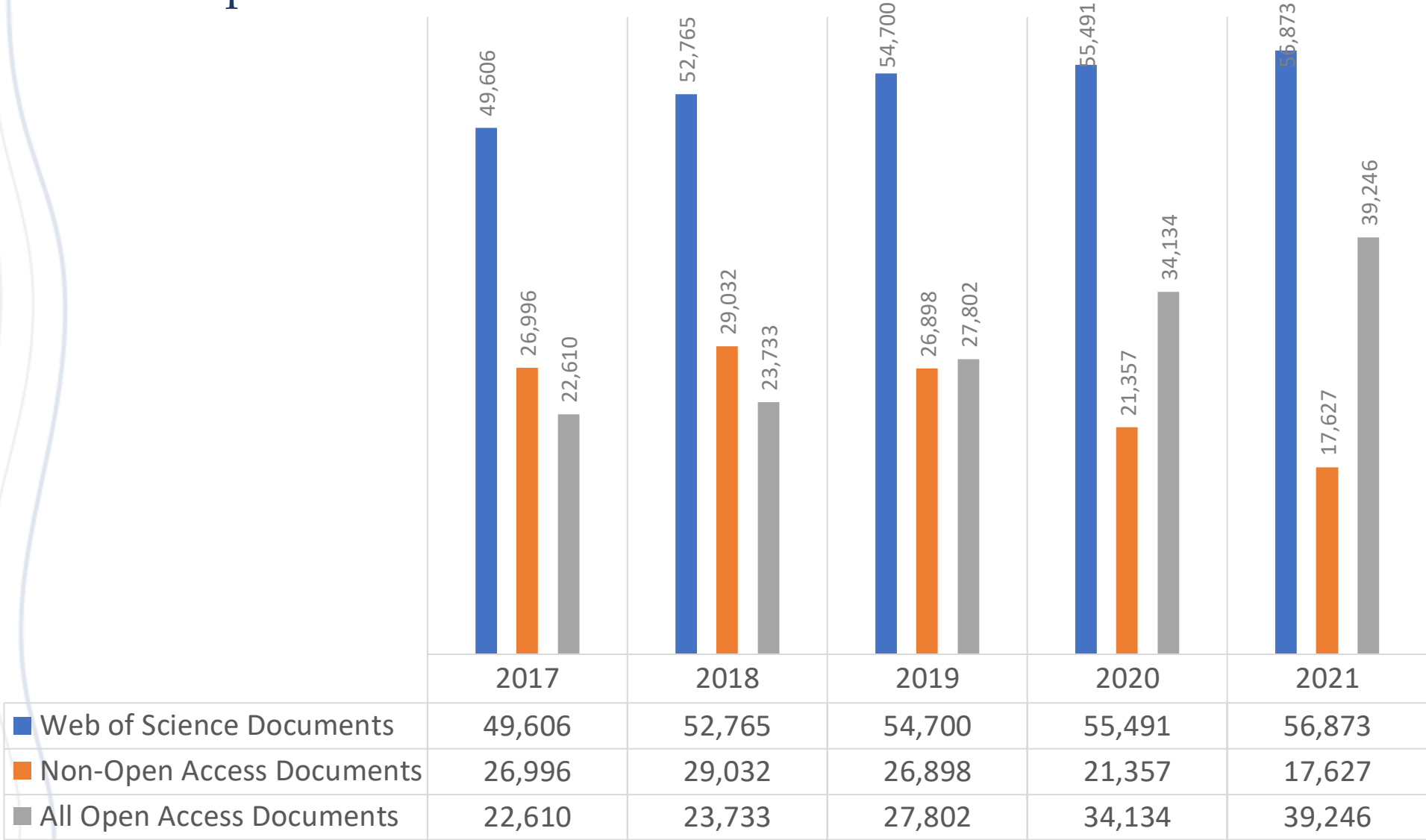


Number of Transformative Journals by publisher

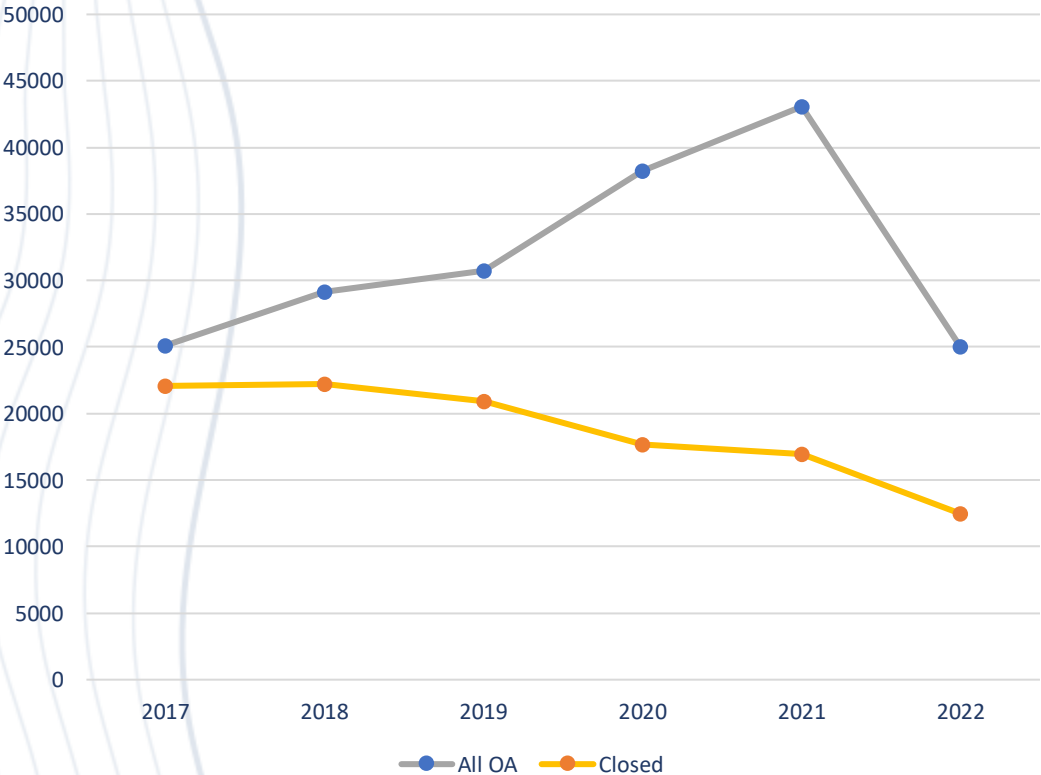


Number of TJ titles by publishers and how many have an OA penetration

Publication output in Poland



Poland and Open Access



Open Access vs Closed Publications in Poland

Publications Citations Citations (Mean)			
Indicator			
Mean Change			
Classification: Country/Territory			
Export table			
Name	↓ Publications	Citations	Citations mean
United States	4,612,753	46,551,017	10.09
China	3,914,065	38,248,245	9.77
United Kingdom	1,411,142	16,073,974	11.39
Germany	1,294,841	12,339,695	9.53
India	1,177,547	7,156,804	6.08
Japan	1,119,903	6,356,101	5.68
Italy	783,676	8,312,811	10.61
France	755,011	7,902,486	10.47
Canada	750,854	8,181,184	10.90
Australia	690,497	8,544,295	12.37
Russia	689,703	2,425,918	3.52
Brazil	663,022	3,707,105	5.59
Spain	648,773	6,280,997	9.68
South Korea	523,680	5,036,379	9.62
Indonesia	440,271	680,563	1.55
Netherlands	426,559	5,593,326	13.11
Iran	369,083	3,260,011	8.83
Switzerland	335,194	4,524,265	13.50
Poland	303,558	2,172,414	7.16
Turkey	283,434	1,956,693	6.90

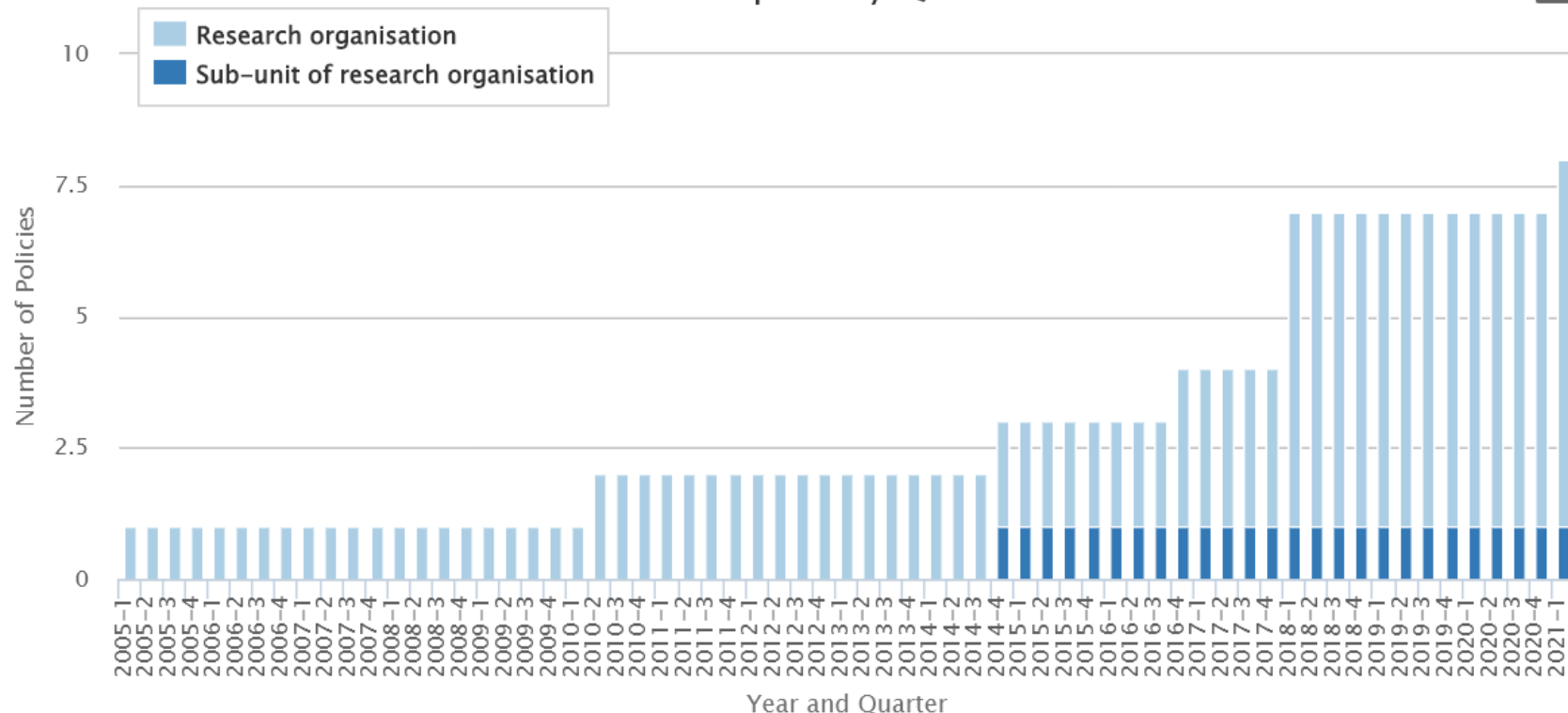


Poland's ranking in the world
in terms of OA articles published

Poland and OA Policies (ROARMAP)



Policies Adopted by Quarter



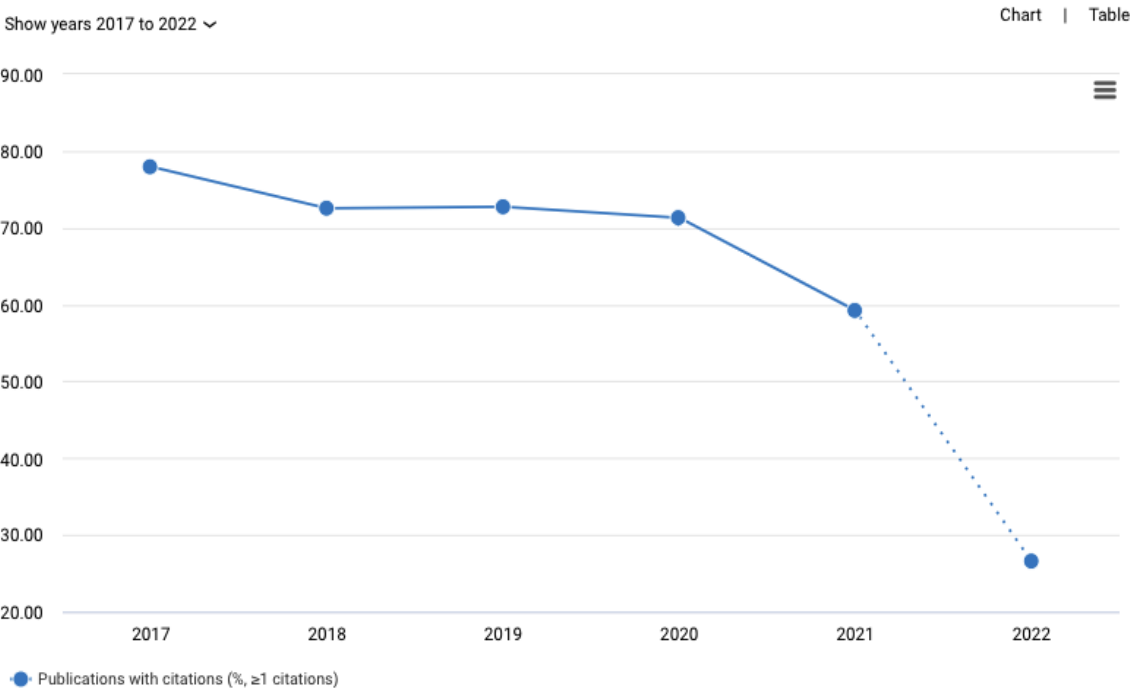
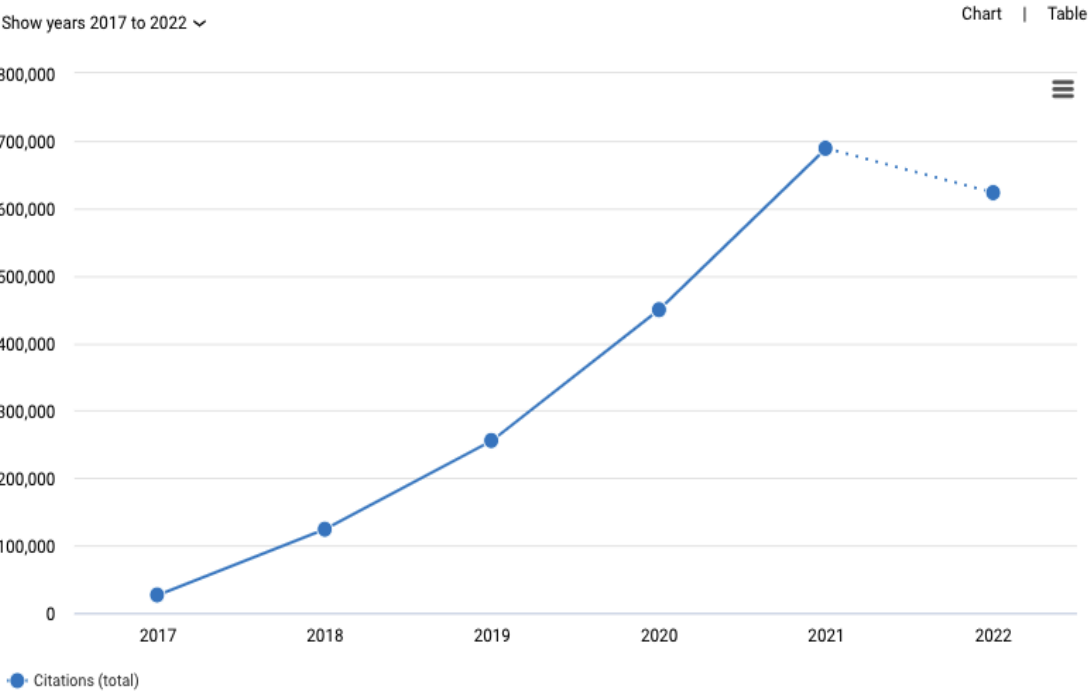
- 1) Adam Mickiewicz University
- 2) Cracow University of Economics
- 3) Institute of Literary Research of the Polish Academy of Sciences
- 4) Institute of Nuclear Physics Polish Academy of Sciences
- 5) Interdisciplinary Centre for Mathematical and Computational Modelling (ICM), University of Warsaw
- 6) Medical University of Lodz
- 7) Nofer Institute of Occupational Medicine in Łódź
- 8) Polish Academy of Science Institute of Biochemistry and Biophysics

Poland – Quality of OA publications



OA Papers published by polish affiliated authors are cited increasingly.

On average 60% of OA papers published are cited at least once.



Poland – Publishers of choice



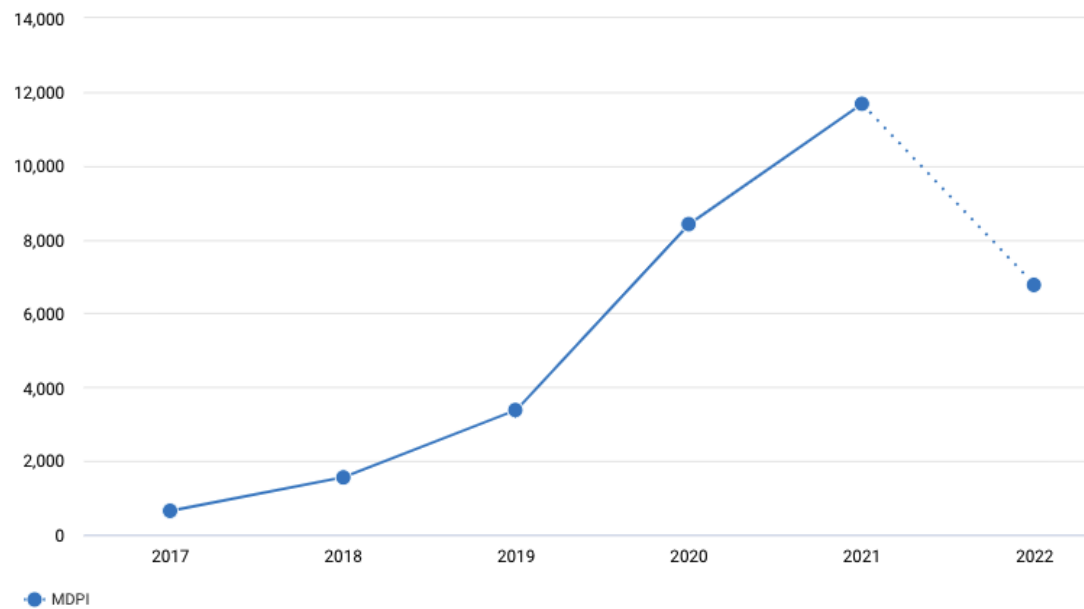
Top publishers (OA and non-OA)

Name	↓ Publications	Citations	Citations mean
Elsevier	52,268	609,930	11.67
Springer Nature	44,832	351,482	7.84
MDPI	32,448	233,918	7.21
Wiley	13,167	144,178	10.95
De Gruyter	12,803	33,997	2.66
Institute of Electrical and Electronics Engineers (IEEE)	10,322	38,400	3.72
Taylor & Francis	8,815	57,960	6.58
Index Copernicus	6,401	3,743	0.58
EDP Sciences	5,633	24,831	4.41
IOP Publishing	5,319	28,864	5.43
Oxford University Press (OUP)	4,688	54,701	11.67
Uniwersytet Mikolaja Kopernika/Nicolaus Copernicus ...	4,579	1,979	0.43
Adam Mickiewicz University Poznan	4,351	1,368	0.31
American Physical Society (APS)	4,042	69,398	17.17
Frontiers	3,682	37,642	10.22
American Chemical Society (ACS)	3,642	50,550	13.88
VM Media SP. zo.o VM Group SK	3,535	7,901	2.24
Termedia Sp. z.o.o.	3,344	15,119	4.52
Royal Society of Chemistry (RSC)	2,894	32,524	11.24
SAGE Publications	2,538	17,011	6.70
Uniwersytet Lodzki (University of Lodz)	2,111	1,121	0.53

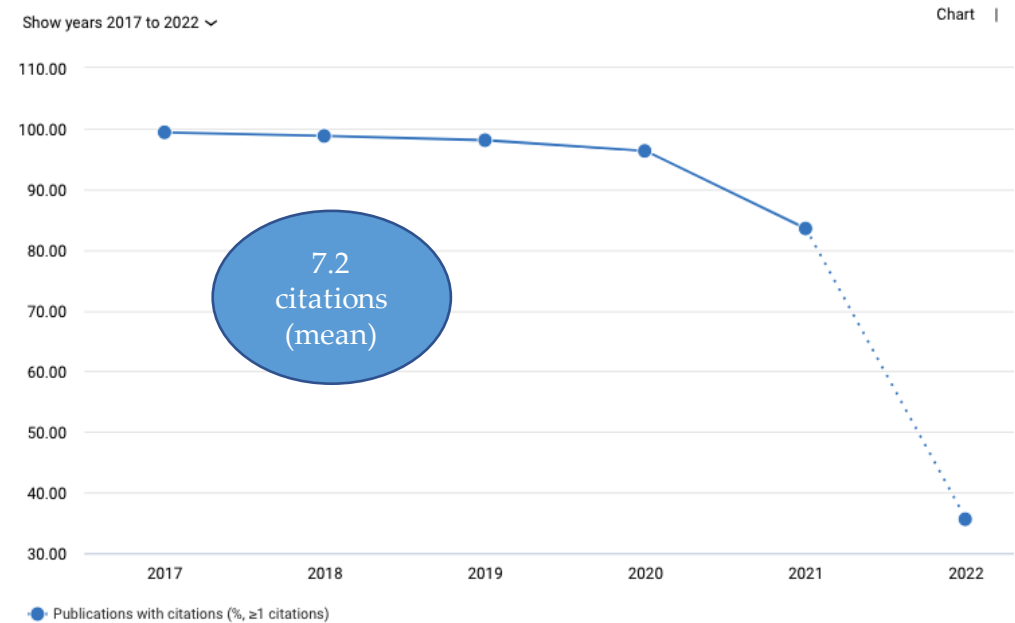
Top publishers (OA only)

Name	↓ Publications	Citations	Citations mean
MDPI	32,447	233,914	7.21
Springer Nature	23,835	283,025	11.87
Elsevier	19,455	239,698	12.32
De Gruyter	11,424	30,989	2.71
EDP Sciences	5,600	24,736	4.42
Wiley	4,571	81,356	17.80
Uniwersytet Mikolaja Kopernika/Nicolaus Copernicus ...	4,548	1,978	0.43
IOP Publishing	4,543	23,997	5.28
Adam Mickiewicz University Poznan	4,334	1,350	0.31
Frontiers	3,663	37,642	10.28
American Physical Society (APS)	3,634	67,017	18.44
Oxford University Press (OUP)	3,409	49,710	14.58
VM Media SP. zo.o VM Group SK	3,364	7,410	2.20
Termedia Sp. z.o.o.	3,084	14,107	4.57
Taylor & Francis	2,943	26,265	8.92
Uniwersytet Lodzki (University of Lodz)	2,091	1,120	0.54
Hindawi	1,997	19,406	9.72
Index Copernicus	1,812	1,603	0.88
American Chemical Society (ACS)	1,775	23,710	13.36

Articles published with MDPI



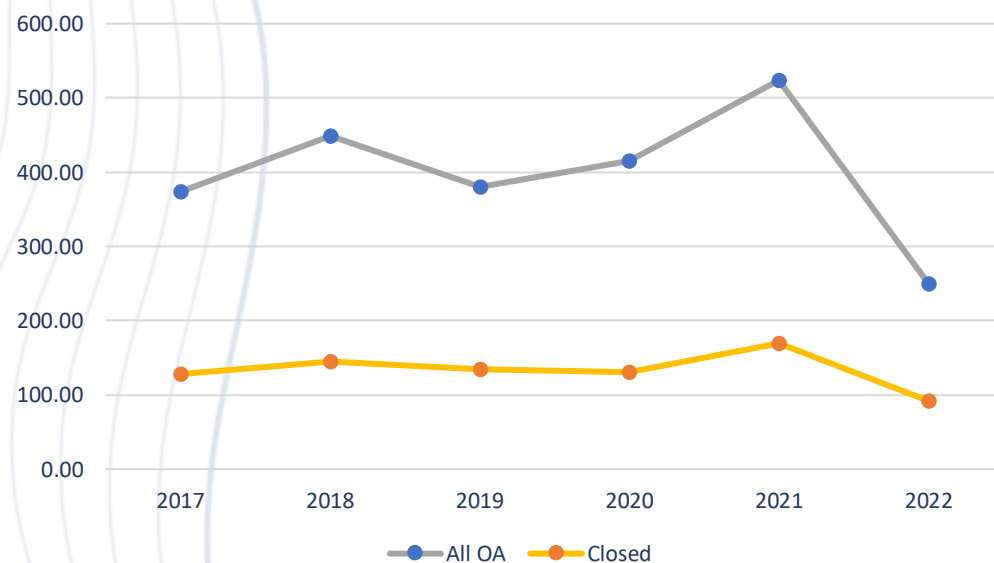
Total number of citations for MDPI published papers



Open Access at Szczecin University



OA vs Closed literature at Szczecin University

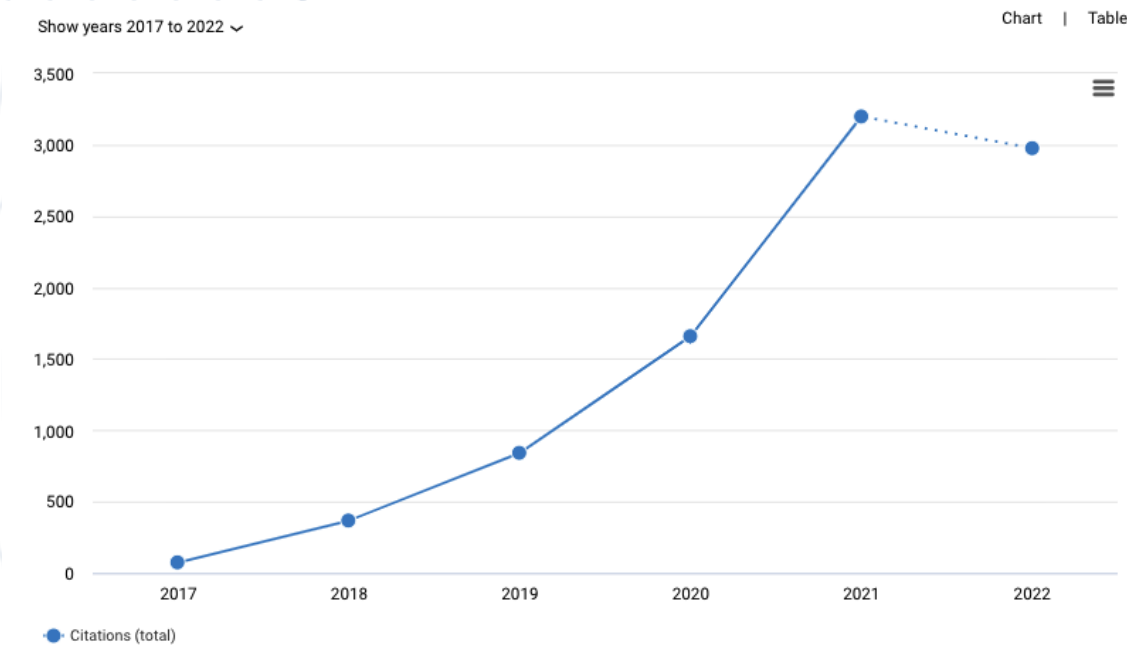


Organization Country	↓ Publications	Citations	Citations mean
Jagiellonian University Poland	22,163	207,673	9.37
University of Warsaw (UW) Poland	17,342	160,052	9.23
AGH University of Science and Technology (AGH UST) Poland	11,880	90,457	7.61
Warsaw University of Technology (WUT) Poland	11,126	76,456	6.87
Adam Mickiewicz University in Poznań (UAM) Poland	10,946	77,305	7.06
Medical University of Warsaw Poland	10,624	90,123	8.48
Wrocław University of Science and Technology Poland	9,722	62,781	6.46
West Pomeranian University of Technology (ZUT) Poland	3,346	26,239	7.84
Military University of Technology in Warsaw (WAT) Poland	3,279	13,265	4.05
Wrocław University of Environmental and Life Science... Poland	3,197	25,104	7.85
University of Szczecin Poland	3,189	12,194	3.82
University of Agriculture in Krakow (UAK) Poland	3,188	24,543	7.70

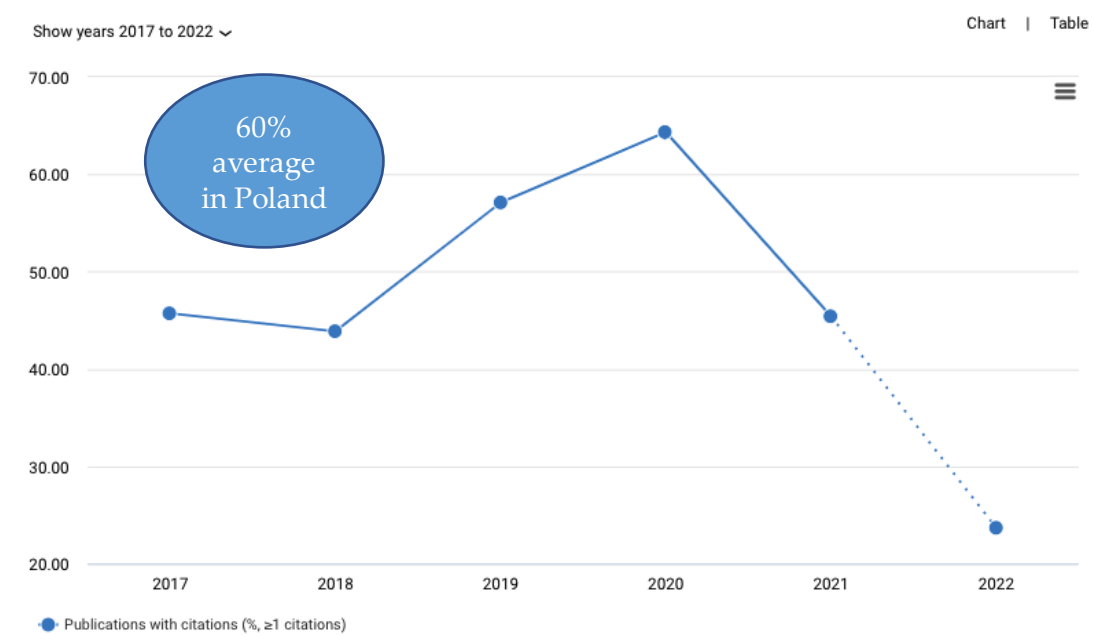
Szczecin University – Quality of OA publications



OA Papers published by affiliated authors are cited increasingly.



On average 46% of OA papers published published are cited at least once.



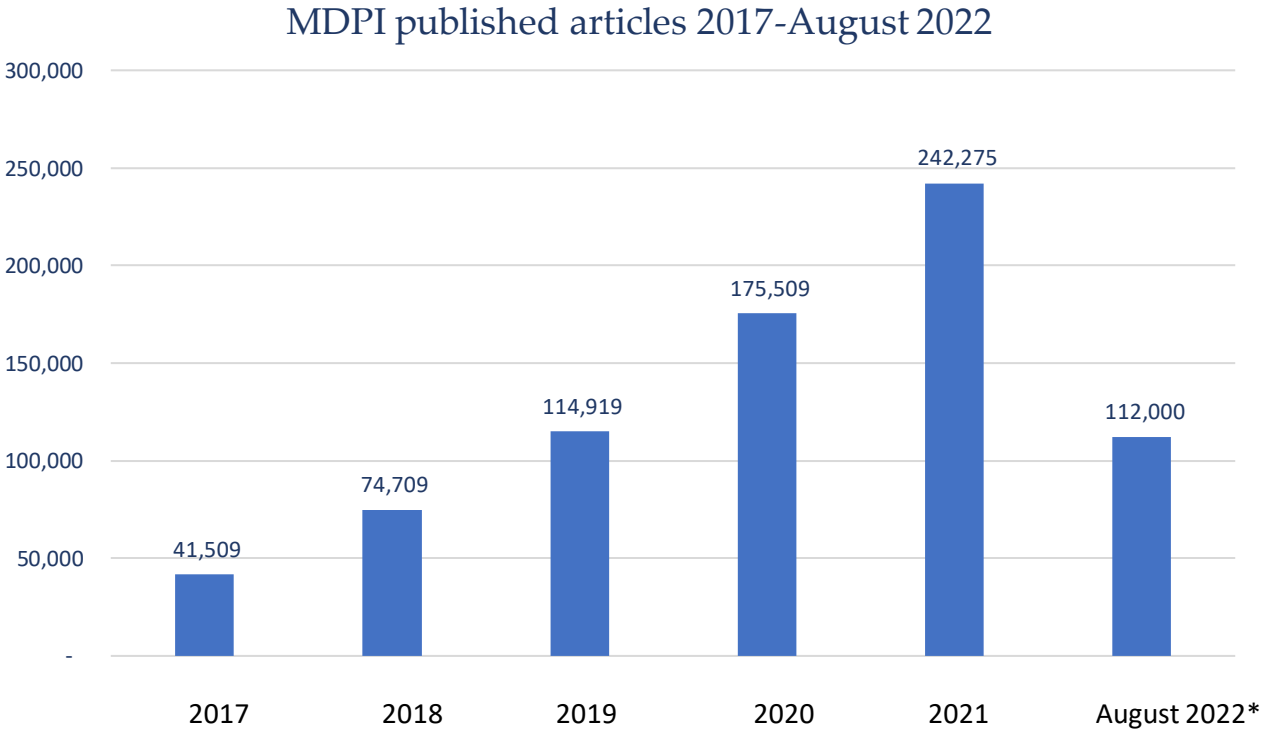
Impact of University of Szczecin's papers



	Dimensions			Web of Science		
	Total OA published 2017-2022	Citations per paper (mean)	Altmetrics (% of papers shared online at least once)	Total OA published 2017-2022	Citations per paper (mean)	Category Normalized Citation Impact (CNCI)
All OA published	2391	3.82	21.92%	1551	5.28	0.99
MDPI	284	7.76	44%	284	4.69	1.28
University of Szczecin	55	0.32	1.08%	journals not indexed		
Elsevier	278	6.99	25.44%	219	11.5	2.26
Springer Nature	164	5.82	46.95%	161	5.98	0.8
De Gruyter	128	2.1	8.59%	65	2.21	0.13
Uniwersytet Mikolaja Kopernika	83	0.67	-	journals not indexed		
T&F	41	3.95	36.59%	30	4.14	0.87

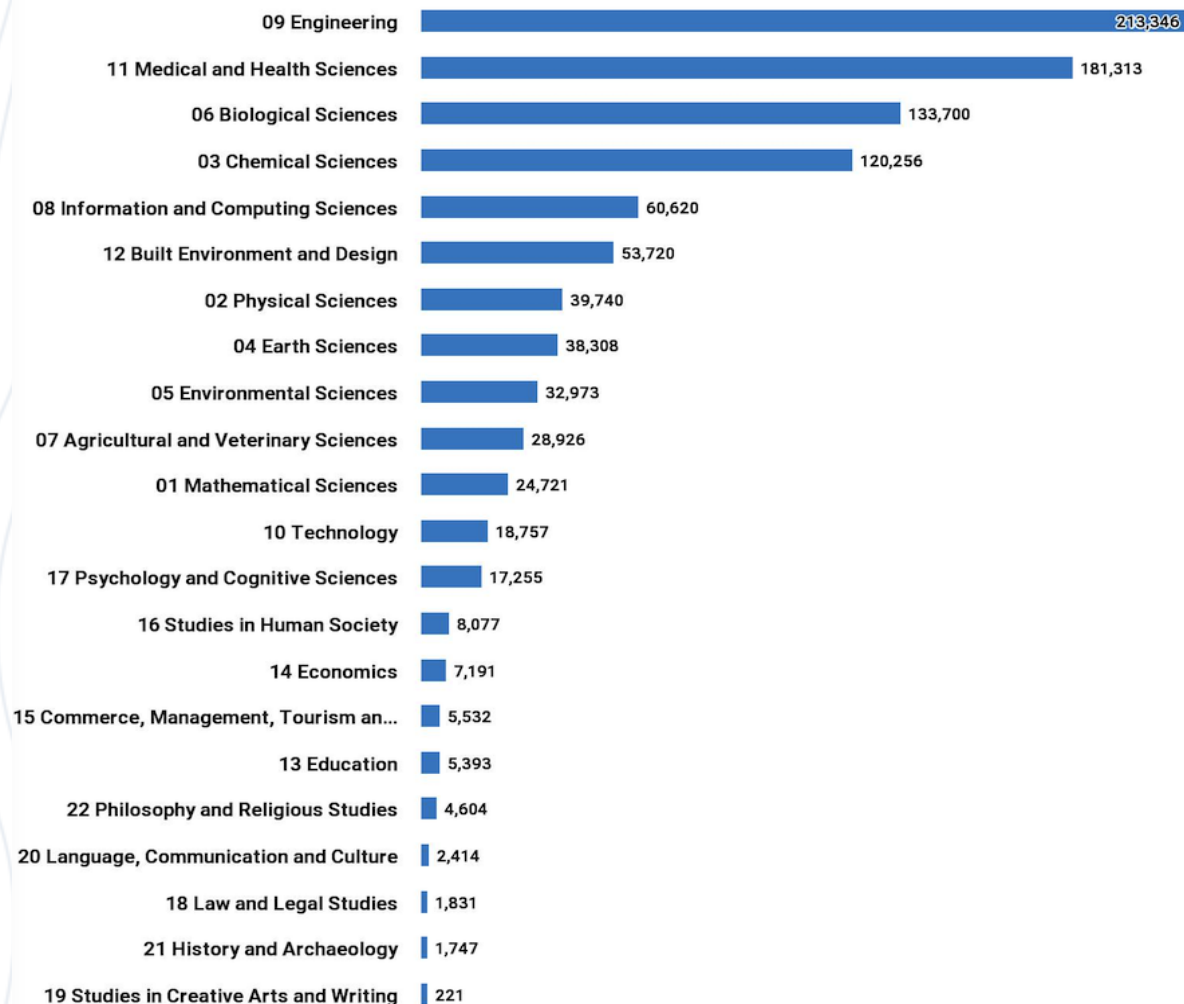


MDPI and OA papers published



* as of August 30th, 2022. Based on data from Dimensions, Digital Sciences

MDPI's breadth of research areas

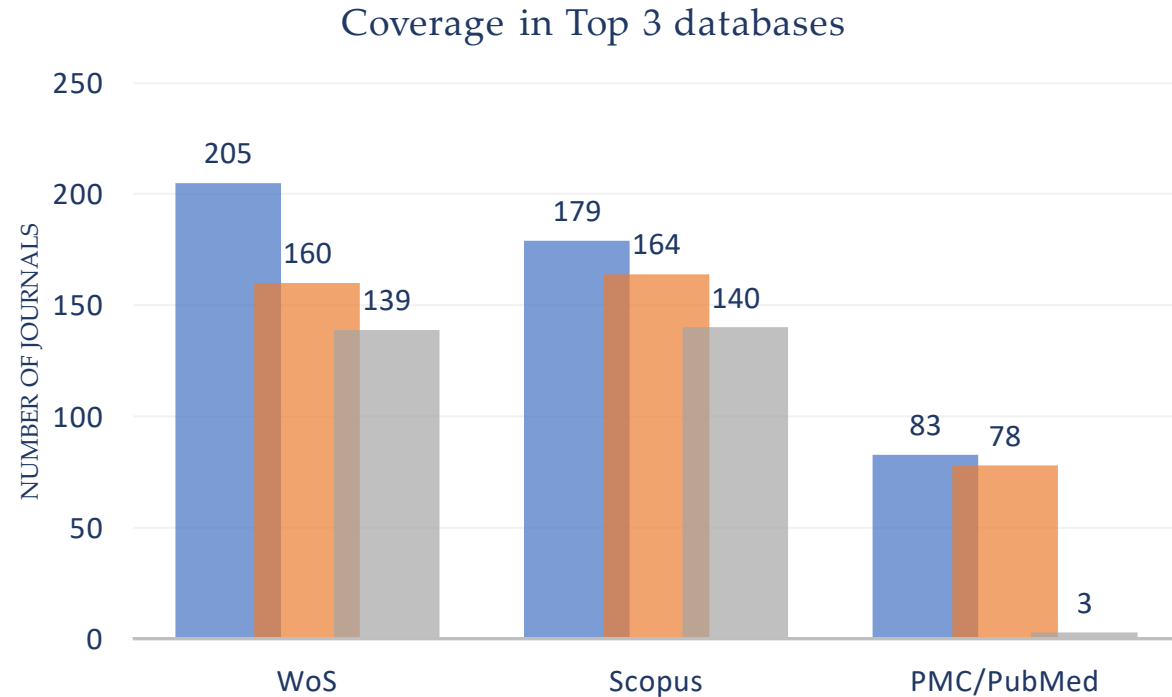


The research areas we cover are reflective of the increased appetite in OA and rapid dissemination of research in areas previously thought as being very closed (medical sciences or engineering).

MDPI's Journals are amongst some of the most influential in their respective fields.

Indexing in 2021

- Throughout 2021, 65 new journals have been added to the top 3 databases, bringing the total to:
 - 205 in Web of Science
 - 179 in Scopus
 - 83 in PubMed/PMC
- As of June 2023, 211 MDPI journals (75% of our journals, min 3 years old) will have an Impact Factor



MDPI's journals – Quality and impact



Based on Dimensions data, MDPI articles receive a higher number of citations (mean) than the average of all OA publications, but relatively lower than the traditional publishers. Almost 44% of all papers published by MDPI have been shared or cited via social media channels (Altmetrics), significantly more than the industry average or Elsevier, for example.

Looking at Web of Science's metrics, OA papers published by MDPI are constantly cited and the average number of citation is not far from the overall average or the traditional publishers. Using the Category Normalized Citation Impact (CNCI), MDPI's performance is in line with Elsevier's and higher than Springer Nature's.

	Total OA published 2017-2022	Dimensions		WoS	
		Citations	Altmetrics	Citations	Category Normalized Citation Impact (CNCI)
All OA published	16,997,905	4.98	30.71%	10.64	1.24
MDPI	841,437	6.77	43.83%	9.08	1.9
Elsevier	1,169,302	9.55	37.13%	11.34	1.9
SN	1,166,275	11.79	56.50%	11.78	1.4
Wiley	534,988	10.69	60.25%	14.26	1.09
Frontiers	303,573	8.55	47.20%	8.75	0.92
T&F	311,152	6.9	48.68%	1.62	0.17

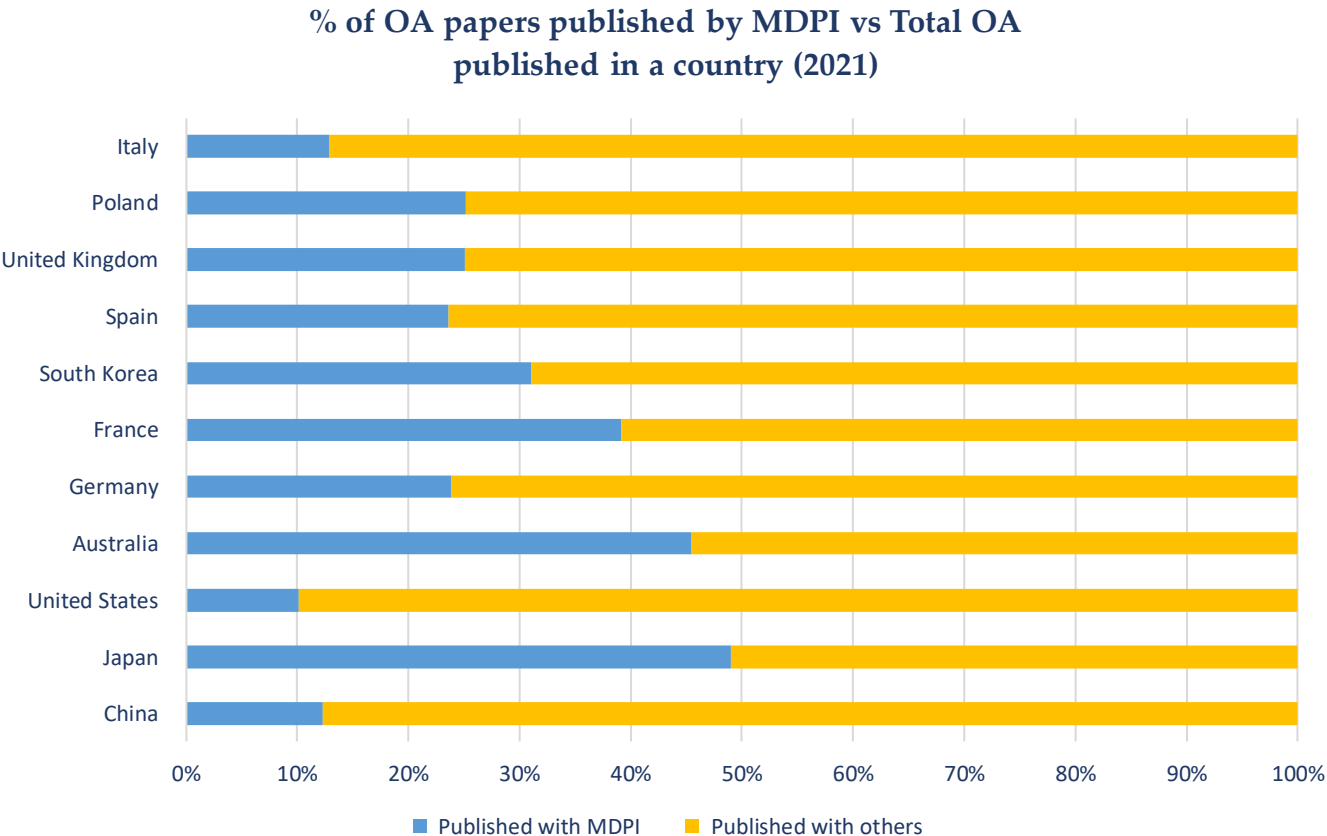


MDPI and OA mandates in the world



In 2021, 47% of papers published originated from European affiliated authors, 16% from Americas and 28% from Asia-Pacific (China accounting for only 12%).

In Europe, Poland, UK, Germany, Austria and Spain are country where at least 20% of the total OA articles are published in an MDPI journal.



Conclusion





**Science should not be hidden
behind the paywall!**



Q&A

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