



Exploring the total cost of ownership

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Licensing Intelligence Team

Jisc agreements in 2021



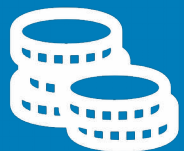
31,000

UK articles published
immediately OA under Jisc
agreements



287 million

articles read by UK
member organisations



£156 million

is spent on subscriptions and publishing of digital
content by Jisc subscribing institutions

What is this session about?

**Jisc APC/Total
cost of
ownership
exercise**

**Insights from
2015/16 –
2020/21**

**Evolution of
business
models**

**Article-level
metatdata
collection**

**Evaluation of
Transitional
agreements**

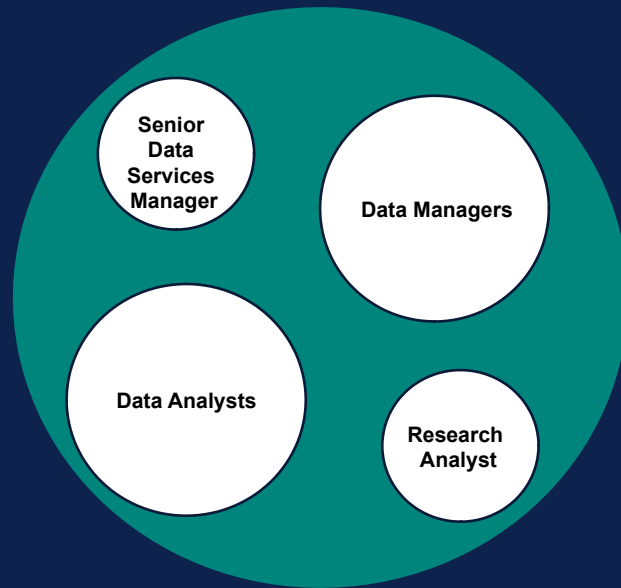
Look ahead

Who are we? What do we do?

Licensing intelligence team at Jisc

New team (est. Jan 2021) who:

- Collect data from content providers
- Standardise and verify datasets
- Combine this with additional datasets
- Produce data in a usable format
- Demonstrate value and impact

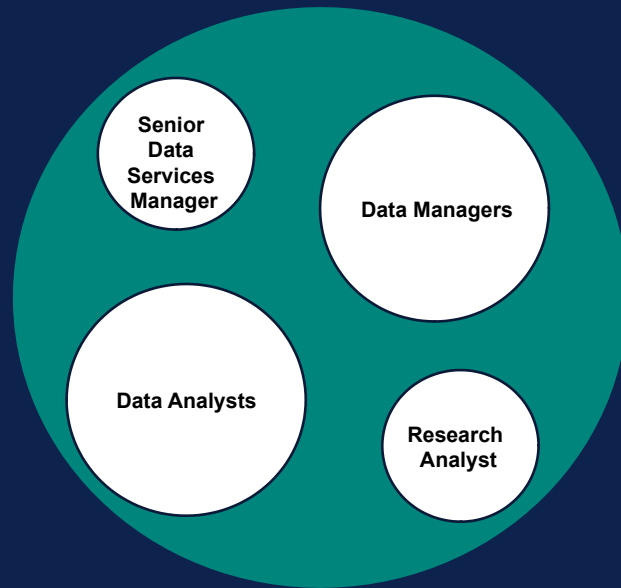


Who are we? What do we do?







Licensing intelligence team at Jisc

Some of our team aims include:

- Developing comprehensive quality assured data.
- Provide flexible products and tools to support data access and reuse.
- Develop strategic partnerships and engaged communities to support effective data access and reuse.
- Establish common frameworks and a standards-based infrastructure to support interoperability.

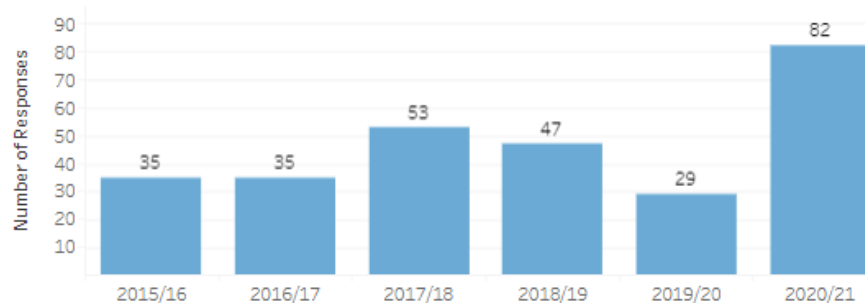


Jisc APC/Total Cost of Ownership exercise

-  TCO exercise conducted annually for the last 6 years
-  Collected information on institutional expenditure on open access publishing
-  Provided oversight of the total cost of ownership
-  Enabled an understanding of the trends in open access publishing
-  Informed negotiation strategy to contain expenditure and negotiate TAs
-  Aligned with the financial year April - March

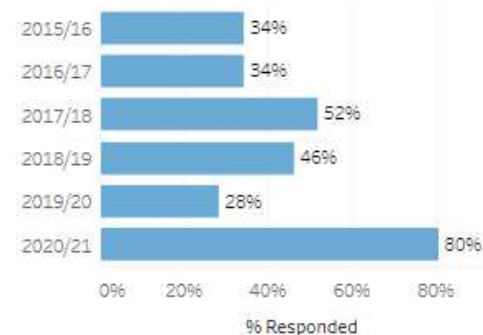
Insights 2015/2016 – 2020/2021

Number of Institutions Providing Jisc APC Data



Response Rate (%)

	Jisc Band (2019)										
	1	2	3	4	5A	5B	6	7	9	10	n/a
2015/16	100%	57%	63%	60%	33%	26%	8%	20%	0%	0%	0%
2016/17	60%	71%	63%	60%	29%	21%	31%	20%	0%	0%	0%
2017/18	100%	86%	75%	60%	67%	53%	31%	20%	0%	0%	0%
2018/19	100%	71%	50%	80%	57%	37%	23%	30%	0%	0%	0%
2019/20	80%	29%	38%	30%	29%	32%	23%	20%	0%	0%	0%
2020/21	80%	57%	63%	80%	86%	79%	92%	70%	100%	100%	100%

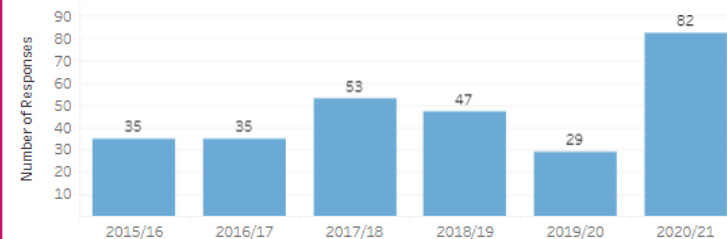


Data insights 2015/2016 – 2020/2021

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2017/18	100%	86%	75%	60%	67%	53%	31%	20%	0%	0%	0%	
2018/19	100%	71%	50%	80%	57%	37%	23%	30%	0%	0%	0%	
2019/20	80%	29%	38%	30%	29%	32%	23%	20%	0%	0%	0%	
2020/21	80%	57%	63%	80%	86%	79%	92%	70%	100%	100%	100%	

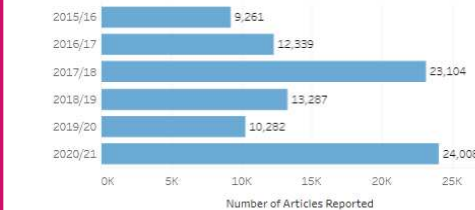
Number of Institutions Providing Jisc APC Data



By Jisc Band

	Jisc Band (2019)												
	1	2	3	4	5A	5B	6	7	9	10	n/a	Gran...	
2015/16	5	4	5	6	7	5	1	2					35
2016/17	3	5	5	6	6	4	4	2					35
2017/18	5	6	6	6	14	10	4	2					53
2018/19	5	5	4	8	12	7	3	3					47
2019/20	4	2	3	3	6	6	3	2					29
2020/21	4	4	5	8	18	15	12	7	6	1	2		82

Number of Articles Reported

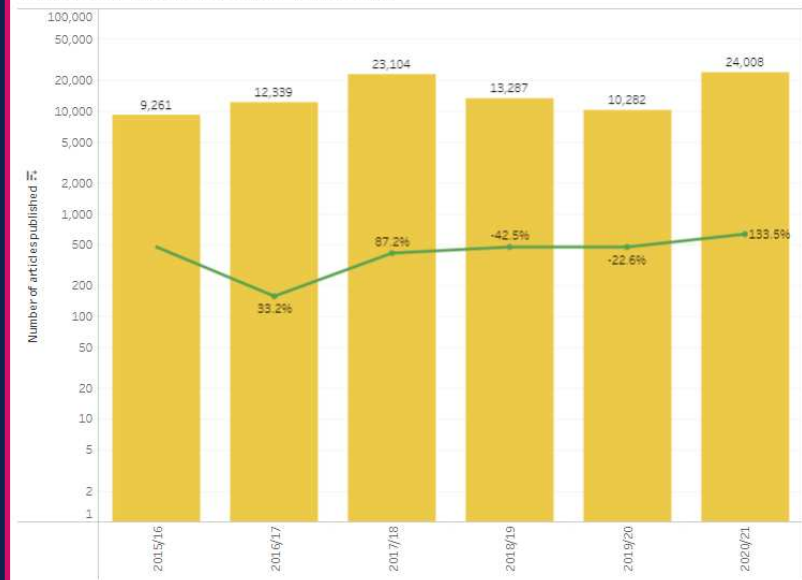


By Jisc Band

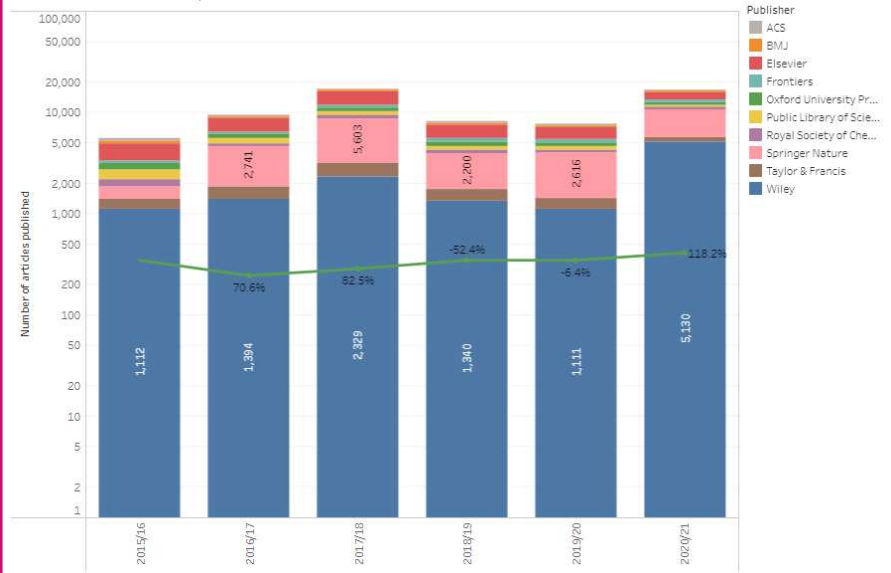
	Jisc Band (2019)												
	1	2	3	4	5A	5B	6	7	9	10	n/a		
2015/16	5,191	958	1,403	580	650	230	63	186					
2016/17	4,086	3,795	2,348	920	646	252	166	126					
2017/18	8,572	6,506	2,644	1,445	2,217	1,522	121	77					
2018/19	5,842	2,680	1,490	1,447	1,074	536	147	71					
2019/20	5,072	1,661	990	1,050	910	358	163	78					
2020/21	8,225	2,767	3,223	2,621	3,992	1,703	482	339	552	2	102		

Data insights 2015/2016 – 2020/2021

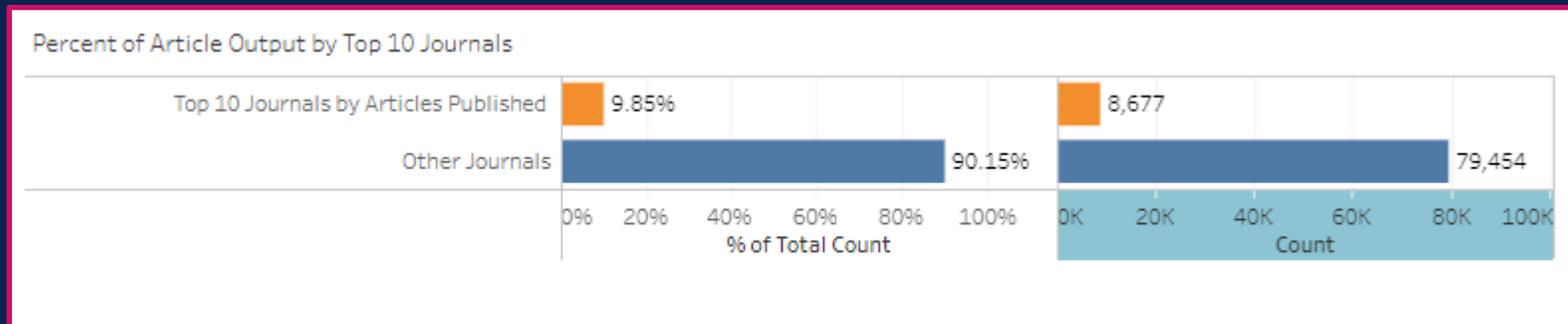
Number of Publications Year on Year - All Publishers



Number of Publications - Top 10 Publishers

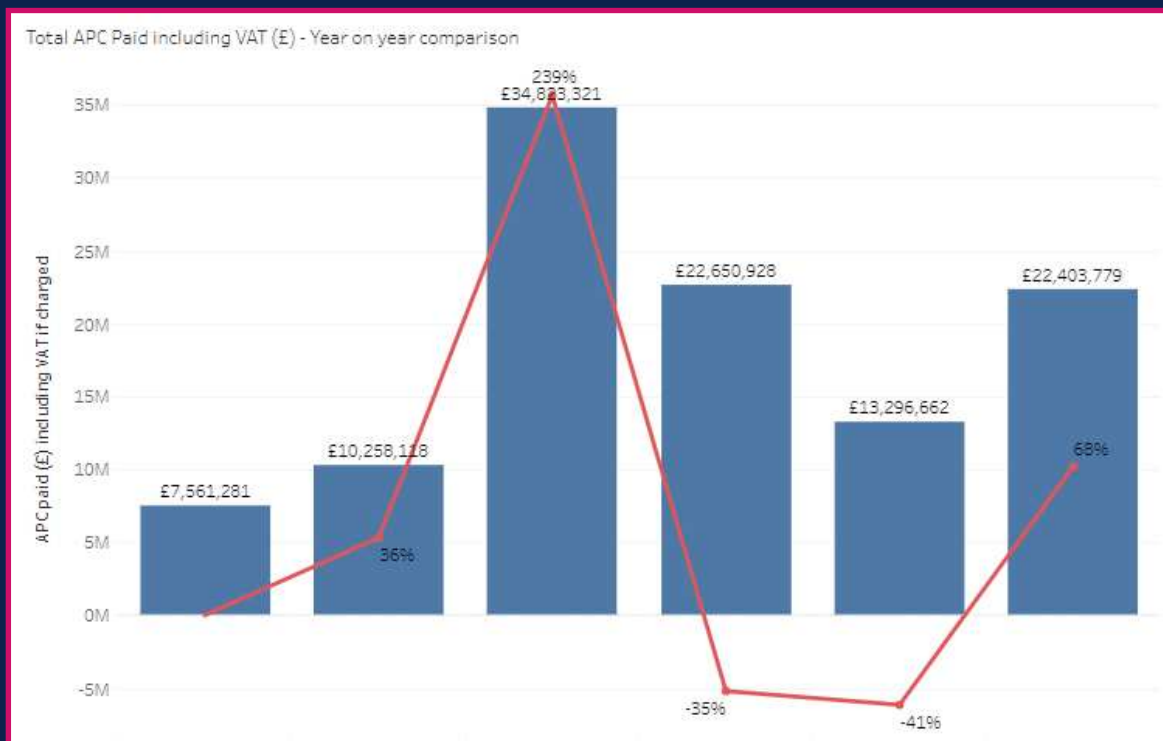


Data insights 2015/2016 – 2020/2021



BMJ Open	Cell Reports
Nature Communications	Frontiers in Immunology
Cell Reports	Scientific Reports
Optics Express	Nucleix Acid Research
PLOS One	Angewandte Chemie (International Edition)

Data insights 2015/2016 – 2020/2021



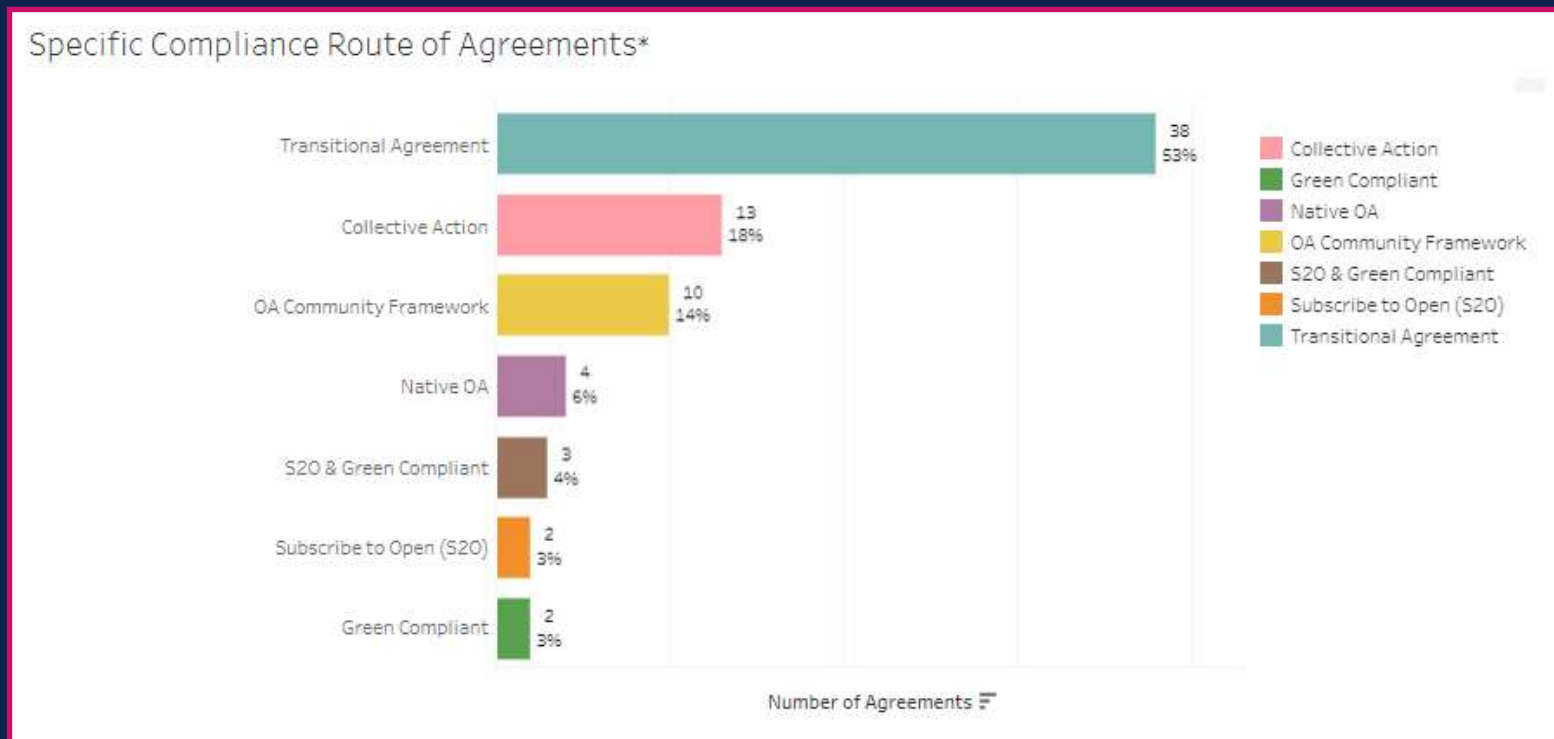
Data insights 2015/2016 – 2020/2021

	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
Total	£7,561,281	£10,258,118	£34,823,321	£22,650,928	£13,296,662	£22,403,779
Average	£2,095	£2,208	£2,011	£2,110	£2,124	£2,148
Minimum	£2	£52	£16	£5	£2	£1
Median	£1,950	£1,964	£1,864	£1,907	£1,944	£1,949
Maximum	£13,200	£100,000	£288,000	£176,000	£39,690	£11,400

Changing Landscape

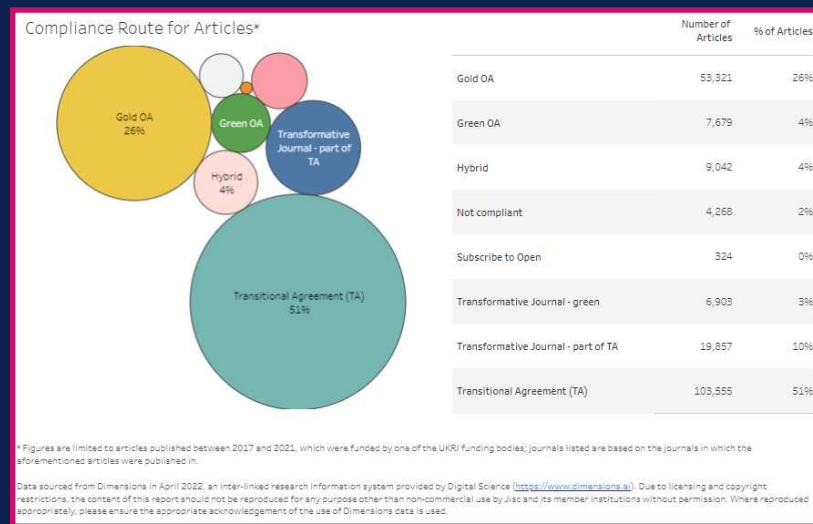
	Prepayment offset or discount scheme				No OA agreement in place		Transitional OA / Full OA/zero embargo green CC-BY licence							
	2012: FINCH	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Elsevier														
Wiley														
Springer Nature														
Taylor & Francis														
Oxford University Press														
Age														
Cambridge University Press														
IMJ														
Institute of Physics														
Nature Research Journals														
AAAS														
Royal Society of Chemistry														
De Gruyter														
Wiley														
American Chemical Society														
Wiley														
Emerald														
The Royal Society														

Changing Landscape



Changing landscape

- 93.5% of UKRI funded articles (2017-2021) are in journals that are covered by compliant agreements
- Work is continuing on the negotiating compliant routes for the remaining 6.5% of output



Data collection and Jisc

Data collection

- Contact publisher with our article level metadata template (32 fields, 20 are mandatory) includes list price APC
- Discussion with the publisher to establish:
 - Details about the publisher's data workflows
 - Answers to metadata queries
 - Reporting schedule (monthly/quarterly)
 - Receiving test data
- Include data requirements, as agreed, into the license

OA article-level metadata template for publishers

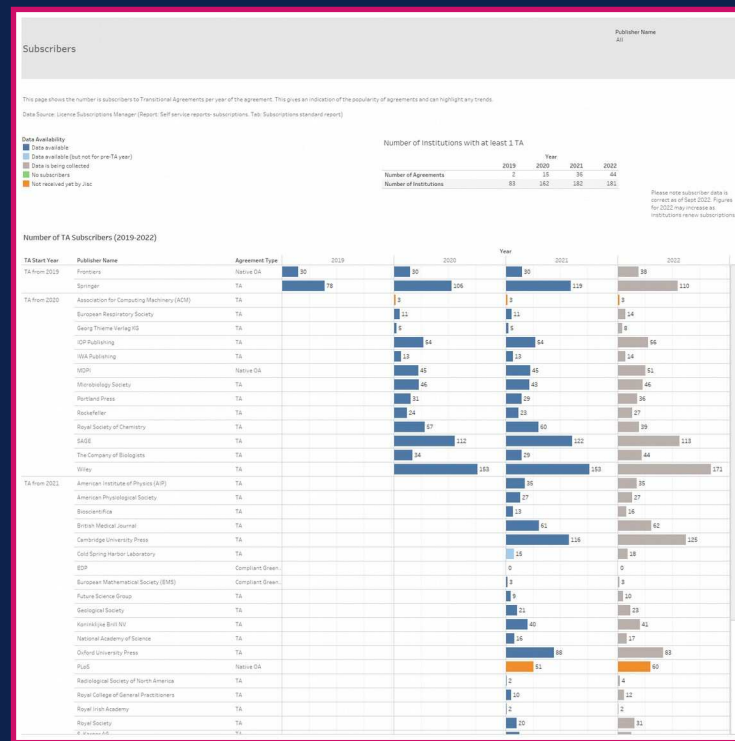
Note:
Publishers are requested to fill this template and send it via email to the consortia as well as to all the academic institutions that are part of the consortia. Publishers are meant to deliver the OA article-level metadata report on a monthly basis (e.g. on the 15th day of every month) and the OA report should be submitted to the consortia.

Year of agreement (start and finish date):
Name of agreement:

#1: DOI	#2: Is the article Open Access?	#3: Institution Name	#4: Article Title	#5: Article Type	#6: Journal ID (publisher ID)	#7: Journal Title	#8: Journal Subject / Discipline	#9: Journal ISSN	#10: Journal E-ISSN	#11: Article License (CC license)
http://doi.org/xxxxx	Yes/No	University of xxxxx	xxxxx	e.g.	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	e.g. CC BY
http://doi.org/xxxxx	Yes/No	University of xxxxx	xxxxx	e.g.	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	e.g. CC BY
http://doi.org/xxxxx	Yes/No	University of xxxxx	xxxxx	e.g.	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	e.g. CC BY
http://doi.org/xxxxx	Yes/No	University of xxxxx	xxxxx	e.g.	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	e.g. CC BY

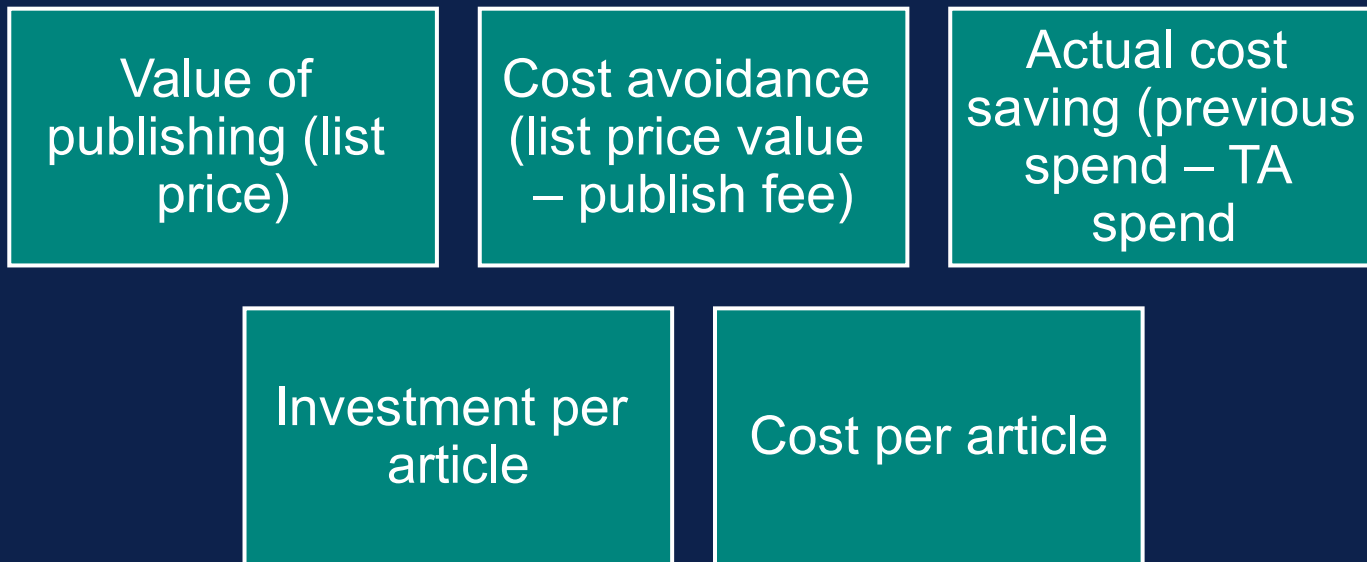
Data collection and Jisc

- Data is being collected on a regular basis from 40/44 (90%) of the publishers with agreements
- Actively working with the remaining 4 to establish processes
- Working with OASB to use their reports wherever possible



Evaluation of Transitional Agreement

Financial value



Looking ahead

Data Source: publisher reports (publishing output and value of publishing).

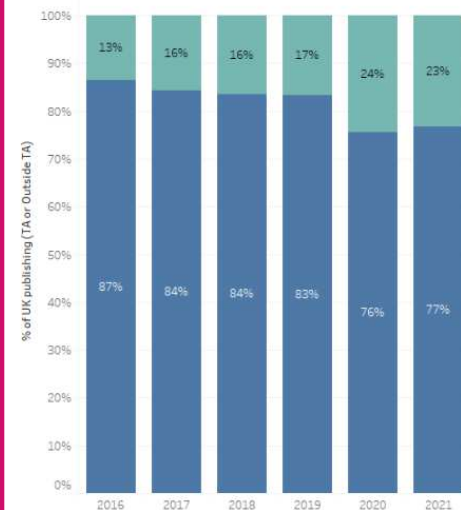
Data Source: UK publishing Data sourced from Dimensions, an inter-linked research information system provided by Digital Science (<https://www.dimensions.ai>).

UK Publishing (% through TA/outside TA)

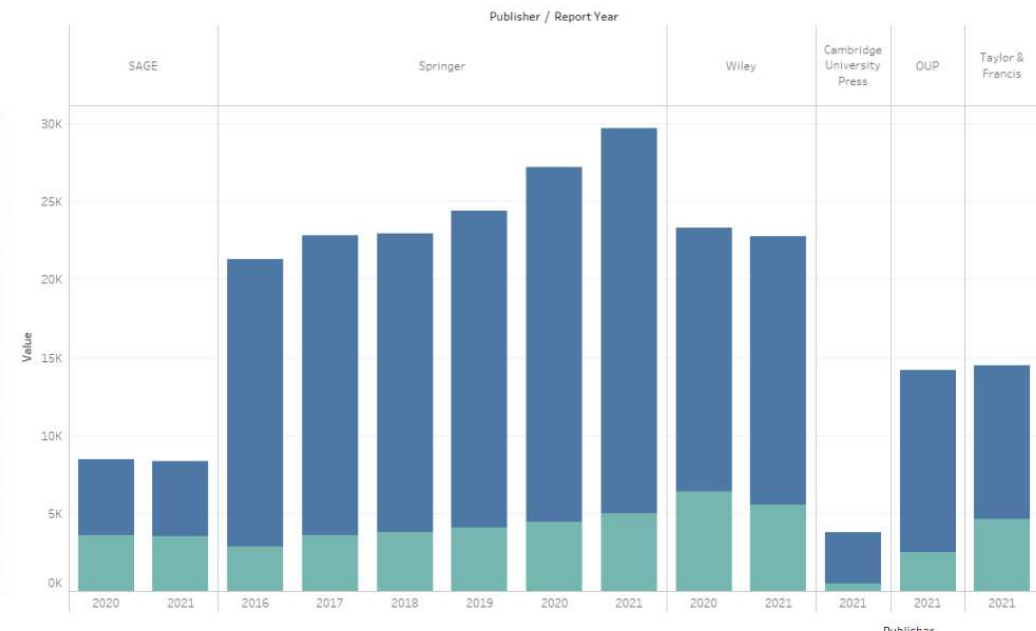
Number of Article Published

Articles Published via TA

Articles Published Outside TA



UK Publishing (articles through TA/outside TA)



Looking ahead

Use the ALM data to identify output through TAs but reduce the administration burden on members

Re-design the form to capture spend (funder/institutional) on APCs outside the agreements

Re-design the form to capture contributions to the TA costs

Work with funders to understand their reporting requirements

Understanding the UK expenditure on OA articles beyond our members

Thank you for attending.
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