

ジャーナル問題検討部会（第4回）

資料1
科学技術・学術審議会情報委員会
ジャーナル問題検討部会（第4回）
令和2年7月20日（月）

2020
20 July

各国のAPC支援策と セーフティネットの整備状況

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1. 各国のAPC支援策

各国・地域のOA政策

種類	政策／国・地域等
Gold OA OA誌・ハイブリッド誌 APC・転換契約	Plan S【欧州22機関、ザンビア、ヨルダン、中国、英国ウェルカム財団、米国ビル&メリンダ・ゲイツ財団、Springer Nature】 University of California【米国】
Green OA セルフアーカイブ	GLOALL【UNESCO：南米、フランス、アフリカ、カナダ、日本、ブラジル】 NIH等【米国】
Diamond OA 非営利・非APC 著者・購読者負担なし	Overlay journal（プレプリント） CCS Chemistry【中国】
Bibliodiversity 書誌多様性	Jussieu Call for Open science and bibliodiversity【フランス等】“APCモデルへの移行のような単一のアプローチに限定されないオープンアクセスモデルを構築する必要がある”*

*学術情報流通における「書誌多様性」の形成に向けて 一行動の呼びかけ。

<http://doi.org/10.20736/00001276>

各国・地域のOA政策

Open access: Could defeat be snatched from the jaws of victory?

RICHARD POYNDR

18th November 2019

When news broke early in 2019 that the University of California had walked away from licensing negotiations with the world's largest scholarly publisher (Elsevier), a wave of [triumphalism](#) spread through the OA Twittersphere. The talks had [collapsed](#) because of Elsevier's failure to offer UC what it demanded: a [new-style Big Deal](#) in which the university got access to all of Elsevier's paywalled content **plus** OA publishing rights for all UC authors – what UC refers to as a “[Read and Publish](#)” agreement. In addition, UC wanted Elsevier to provide this at a [reduced cost](#).¹ Given its size and influence, UC's decision was [hailed as](#) “a shot heard around the academic world”.² The news had added piquancy coming as it did in the wake of a radical new European OA initiative called [Plan S](#). Proposed in 2018 by a group of European funders calling themselves [cOAlition S](#), the aim of Plan S is to make all publicly funded research open access by 2021.³ Buoyed up by these two developments open access advocates concluded that – 17 years after the Budapest Open Access Initiative (BOAI) – the goal of universal (or near-universal) open access is finally within reach. Or as the Berkeley librarian who led the UC negotiations put it, “[a tipping point](#)” has been reached.⁴ But could defeat be snatched from the jaws of success?



Photo by Phil Botha on Unsplash

Richard Poynder. Open access: Could defeat be snatched from the jaws of victory?
<https://richardpoynder.co.uk/Jaws.pdf>

分裂するオープンアクセス運動

2020.03.06

オープンサイエンスの動向

ツイート いいね



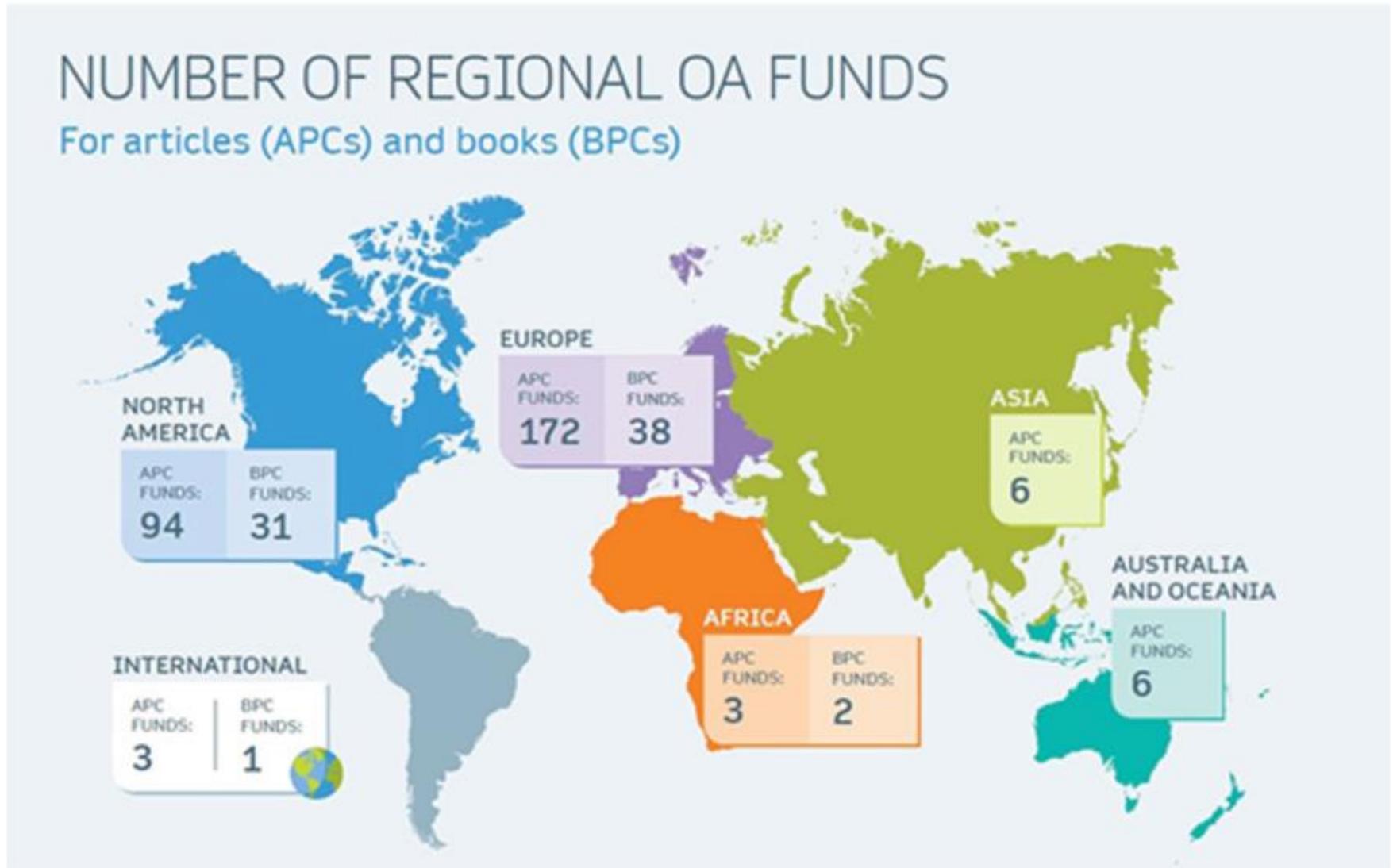
2002年、BOAIはOAの究極的な目標を「共有された知的会話と知識の探求を行うなかで人類を一体化すること」と定めた。BOAI宣言から約20年経った今、果たしてこの目標は達成されたのであろうか？結論から言うと、現状はOAが人類を一体化するという理想に近づくどころか、地政学的な緊張関係やそれが引き起こすインターネットの分断 (Solinternet) などの影響もあり、OA運動そのものが分裂しつつあるように見える。

欧州諸国は、APCモデルによるOAの拡大を強力に推し進めている。OA2020イニシアティブの下で、各国の図書館コンソーシアムは転換契約 (Transformative Agreements) を進め、研究資金配分機関もcOAlition Sを結成し、Plan SによるOA化を強力に推進している。

それに対して、新興国やグローバルサウスの国々は、APCモデルによるOAはpaywall (有料購読の壁) を publication wall (出版の壁) に置き換えるだけでだと反発し、独自の運動を開始している。例えば、ラテンアメリカ諸国は、グローバルサウス諸国に適したOAモデルを広めることを目指してAmelICAを組織した。AmelICAはアフリカや日本 (J-STAGE) も巻き込みながら、UNESCOが主導するGLOALLというアライアンスに発展している。

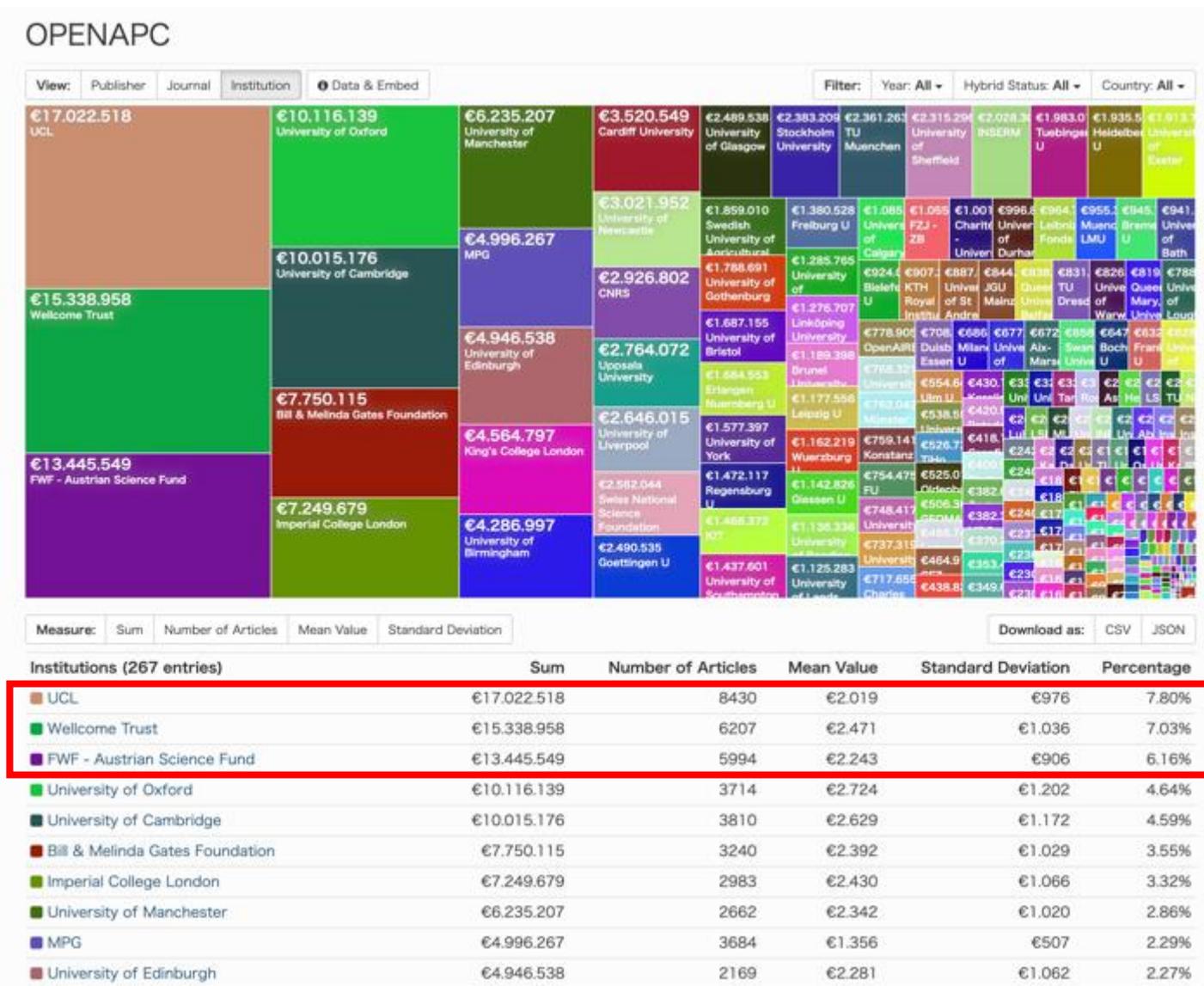
尾城 孝一.分裂するオープンアクセス運動.
RCOS日誌. 2020-03-06.
<https://rcos.nii.ac.jp/diary/2020/03/20200306-1/>

各国の研究者が利用できるAPC資金



Funding & support services. Springer Nature. ※右側の数値は書籍
<https://www.springernature.com/gp/open-research/funding>

OPEN APCによるAPCの支払額



Block Grant (英国) ※ドイツ (DFG) も同様

RCUK: Research Councils UK
COAF: Charity Open Access Fund

Arthritis Research UK
Bloodwise
British Heart Foundation

Cancer Research UK
Parkinson's UK
Wellcome Trust

助成を受けている研究者
所属機関がOA助成を受けている→機関にAPC申請
所属機関がOA助成を受けていない→助成金を使用

Wellcome Trustの支援状況(1)

APC総コスト (2015/16~2018/19)

Item	2015/16	2016/17	2017/18	2018/19
Number of articles for which an APC was paid	3,552	3,474	3,601	3,410
Total cost of APCs	£7,252,915	£7,881,899	£8,729,201	£8,218,283
Total Wellcome/COAF spend on APCs (some APCs' costs were split between COAF and another funder)	£6,600,690	£7,166,874	£7,458,045	£7,052,837
Average APC for the total spend	£2,044	£2,269	£2,424	£2,410
Median APC for the total spend	£1,944	£2,081	£2,250	£2,300

2015/16 APC総額：約9億7,564万円

2018/19 APC総額：約11億549万円

Wellcome Trustの支援状況(2)

APC: フルOAとハイブリッドジャーナル

	Fully OA journals			Hybrid journals		
Year	2016/17	2017/18	2018/19	2016/17	2017/18	2018/19
Article count	1,037	1,154	1,207	2,437	2,447	2,203
Average APC	£1,943	£2,090	£2,082	£2,401	£2,581	£2,591
Median APC	£1,564	£1,656	£1,758	£2,304	£2,400	£2,464

論文数の変化 (16/17→18/19)

フルOAは**16.4%増**

ハイブリッドは**9.6%減**

Wellcome Trustの支援状況(3)

Read and Publish

	2017/18			2018/19		
	Number of articles	Average APC	Total spend	Number of articles	Average APC	Total spend
Fully OA journals	205	£1,518	£350,424	265	£1,392	£359,167
Hybrid journals	478	£1,935	£1,079,349	430	£1,496	£635,857
Total	683	£1,810	£1,429,773	695	£1,457	£995,024

2017/18 総額：約1億9232万円

2018/19 総額：約1億3,348万円

オーストリア科学財団 (FWF)

- FWFがAPCを直接支払い・著者は無料で出版可能
 - ACS (American Chemical Society)
 - BMC (Springer Open)
 - Frontiers
 - IoP (Institute of Physics)
 - MDPI
 - Springer Nature
 - Taylor & Francis
 - SAGE
 - Wiley
- うち、Wiley等はオーストリア学術コンソーシアム (KEMOE) と**共同で契約**

契約状況 (FWF)

■出典：ESAC

- 契約状況の一部を確認可能
- KEMOEと共同契約分

IOP Publishing	Austria	KEMOE/FWF	80	01/01/2017	12/31/2019	iop2017kemoe
IOP Publishing	Austria	KEMOE/FWF	250	01/01/2020	12/31/2022	iop2020kemoe
Springer Nature	Austria	KEMOE/FWF	1500	01/01/2019	12/31/2021	sc2019kemoe
Taylor & Francis	Austria	KEMOE/FWF	250	01/01/2017	12/31/2019	tf2017kemoe
Wiley	Austria	KEMOE/FWF	650	01/01/2018	12/31/2020	wiley2018kemoe

* ESAC : 転換契約のレジストリ



ESAC Transformative Agreement Registry

Navigate: [ESAC](#) > [TRANSFORMATIVE AGREEMENTS](#) > ESAC Transformative Agreement Registry

Search:

Publisher	Country	Customer	Size (# annual publications)	Start Date	End Date	Details/ ID
Microbiology Society	Australia	CAUL	40	01/01/2020	12/31/2021	microbio2020caul
Portland Press	Australia	CAUL	36	01/01/2020	12/31/2021	portpress2020caul
American Chemical Society	Austria	KEMOE	400	01/01/2020	12/31/2022	acs2020kemoe

REGISTER!

Register your agreements [here](#)

ジャーナルごとの支払額 (FWF)

■出典 : OPEN APC

€363.795 PLOS ONE	€128.999 Nano Letters	€81.317 ACS Nano	€66.193 Chemistry - A	€47.344 British Journal	€37.893 Physical	€32.231 Molecular	€26.745 FEBS Journal	€24.19 Journal	€21 Journal	€21 Journal	€21 Science	€21 Surf	€21 App	€20 Phys	€20 Biol	€20 Biol	€20 Front	€19 Mol	€19 Neu	€19 Jou	€19 Clas	€19 Intel	€19 Eur	€19 Jou	€19 Piar	€19 The		
		€80.378 Journal of the American	€63.467 Analytical Chemistry	€44.871 Journal	€37.808 Chemistry	€32.064 Organic	€26.630 Current	€23.73 Analyst	€18.86 Cor	€14 App	€11 The	€11 Ser	€11 Inte	€11 Th	€11 Gec	€11 Jou	€11 Ox	€11 Der	€11 Jou	€11 An	€11 EBI	€11 Th	€11 Jou	€11 Bio	€11 Jou	€11 Bio		
	€101.306 Allergy	€79.929 Frontiers in Immunology	€62.309 Journal	€43.121 ACS	€36.652 FEMS Journal	€31.581 Soil	€25.463 ACS	€23.37 ACS	€18.55 ACS	€15.2 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	€11 ACS	
€313.753 Nature Communications	€100.410 Nucleic Acids Research	€79.737 The Journal of Physical Chemistry A	€56.225 Journal of Allergy and Clinical Immunology	€41.289 Journal	€36.109 Biotechnology	€31.110 Molecular	€25.423 European	€22.98 Mannol	€18.41 ACS	€15.0 ACS	€13.1 ACS	€11.1 ACS	€10.1 ACS	€9.6 ACS	€9.4 ACS	€9.2 ACS	€8.8 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS
	€100.275 Angewandte Chemie International	€78.653 Frontiers in Plant Science	€56.023 Crystal Growth & Design	€40.974 Journal	€34.767 Biochemistry	€30.903 Archives	€25.361 International	€22.87 Cell	€18.35 ACS	€14.9 ACS	€13.1 ACS	€11.1 ACS	€10.1 ACS	€9.6 ACS	€9.3 ACS	€8.8 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS
€309.096 Scientific Reports	€98.714 Journal of Biological Chemistry	€74.191 The Journal of Physical Chemistry	€55.824 Optics Express	€40.889 Environmental	€34.392 Physical	€30.365 ACS	€25.084 ACS	€22.51 ACS	€18.31 ACS	€14.4 ACS	€13.0 ACS	€11.1 ACS	€10.1 ACS	€9.6 ACS	€9.3 ACS	€8.8 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS
	€98.517 Cell Reports	€73.029 Biochimica et Biophysica Acta	€54.000 Applied Physics	€40.250 Nanotechnology	€33.956 Molecular	€28.744 ACS	€24.847 ACS	€22.47 ACS	€18.19 ACS	€14.3 ACS	€12.9 ACS	€11.1 ACS	€10.1 ACS	€9.6 ACS	€9.3 ACS	€8.8 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS
€212.718 The Journal of Physical Chemistry C	€93.389 Frontiers in Microbiology	€71.051 Proceedings of the ISME	€51.545 Acta Microbiologica	€39.070 New	€32.751 Human	€28.035 ACS	€24.581 ACS	€22.23 ACS	€17.25 ACS	€14.2 ACS	€12.8 ACS	€11.1 ACS	€10.1 ACS	€9.6 ACS	€9.3 ACS	€8.8 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS
€181.407 New Journal of Physics	€84.269 OncoTarget	€68.943 Environmental Microbiology	€48.928 Animal	€37.902 Inorganic	€32.623 Journal	€27.227 Journal	€24.383 ACS	€21.84 ACS	€17.03 ACS	€14.2 ACS	€12.7 ACS	€11.1 ACS	€10.1 ACS	€9.6 ACS	€9.3 ACS	€8.8 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS	€8.7 ACS

Measure:	Sum	Number of Articles	Mean Value	Standard Deviation
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Download as:	CSV	JSON
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FWF - Austrian Science Fund // Journals (1729 entries*)	Sum	Number of Articles	Mean Value	Standard Deviation	Percentage
■ PLOS ONE	€363.795	290	€1.254	€229	2.71%
■ Nature Communications	€313.753	78	€4.022	€782	2.33%
■ Scientific Reports	€309.096	211	€1.465	€140	2.30%
■ The Journal of Physical Chemistry C	€212.718	76	€2.799	€556	1.58%
■ New Journal of Physics	€181.407	104	€1.744	€409	1.35%

OAのモニタリング結果 (FWF)



May 20, 2019

Dataset Open Access

Austrian Science Fund (FWF) Open Access Compliance Monitoring 2018

Kunzmann, Martina

I. Executive summary

The Austrian Science Fund (FWF), which is Austria's main funding organisation for basic research, encourages and helps all project leaders and project staff members to make their peer-reviewed research results freely available on the Internet. Since 1 January 2016, open access has been mandatory for all peer-reviewed publications listed in final reports on FWF-funded projects. Any exceptions must be clearly indicated and justified. For projects that started after 1 January 2015, open access has been compulsory for all peer-reviewed publications.

All principal investigators in FWF-funded projects are obliged to submit a final report within three months of completing their projects. In 2018 all in all 549 final reports were submitted to the FWF, 37 out of them couldn't report publications by now.

The publications and other data mentioned in those reports are archived and analysed by the FWF. This report examines the state of compliance with open access requirements on the basis of final project reports submitted in the year 2018.

Kunzmann, Martina. (2019). Austrian Science Fund (FWF) Open Access Compliance Monitoring 2018 [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.3050956>

OAのモニタリング結果 (FWF)

2018年度の主な結果：

- 総文献数10,354件
- うち査読済みは7,702件
- 査読済み出版物の92%がOA
 - ✓ 2015: 83%、2016: 92%、2017: 90%

Open access for peer-reviewed journal articles and proceedings 2018

Type of Open Access	No. of publications	Share (%)	
Hybrid open access	2,935	40%	2%減
Green open access	1,519	21%	変化なし
Gold open access	1,300	18%	4%増
Other open access	1,139	15%	
No open access	500	7%	
Total	7,393	100%	

EISZコンソーシアム（ハンガリー）

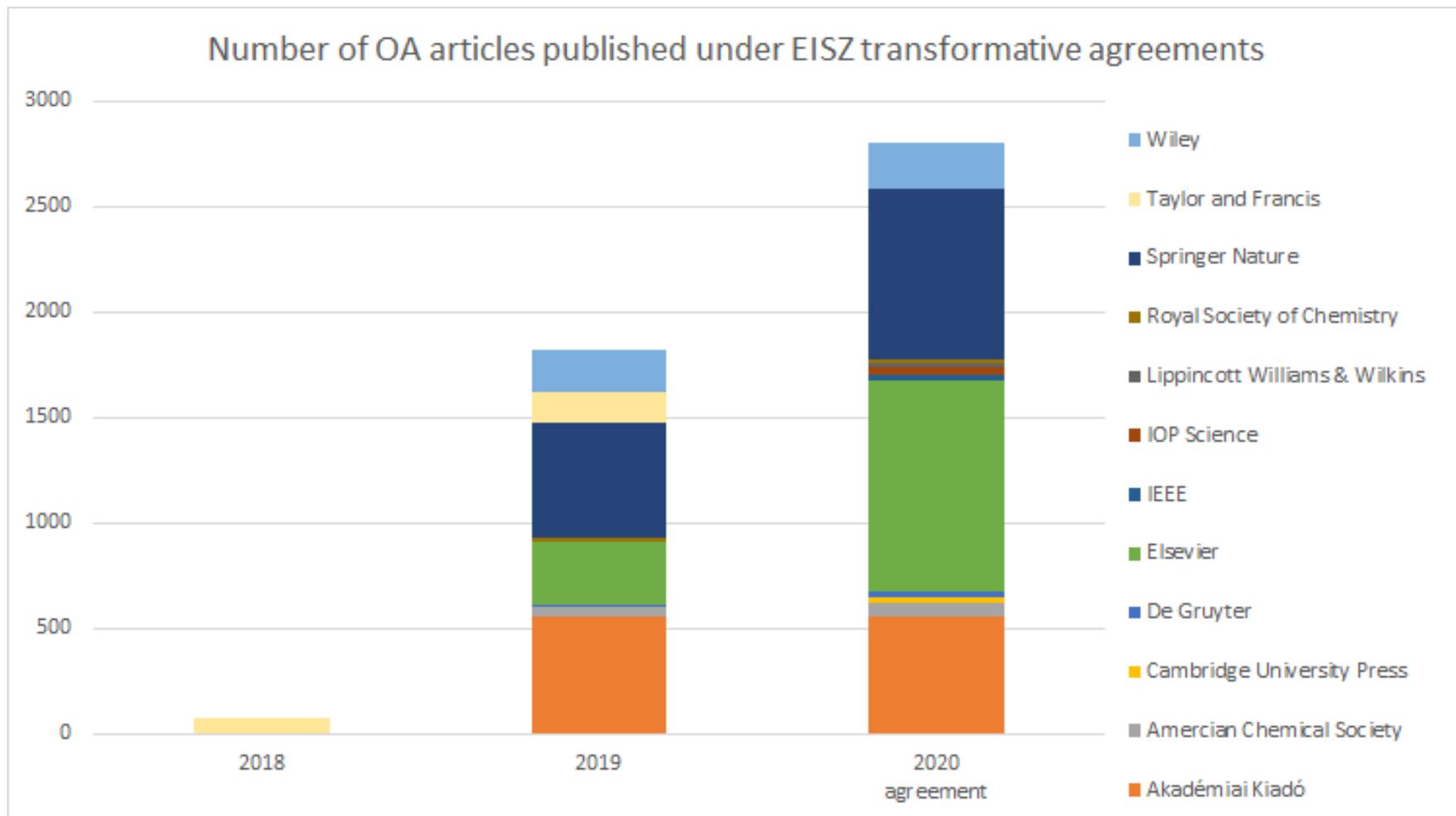
■ Electronic Information Service National Programme

■ 各出版社とのAPC契約

- 公式サイトで契約の詳細を公開
- 2020年2月、Taylor & FrancisとのRead And Publish契約を更新せず（契約機関中のコンテンツに対して、契約を終了した場合のアクセス権 [archival rights] が含まれていなかったため）

<http://eisz.mtak.hu/index.php/en/>

EISZコンソーシアム（ハンガリー）



<http://eisz.mtak.hu/index.php/en/>

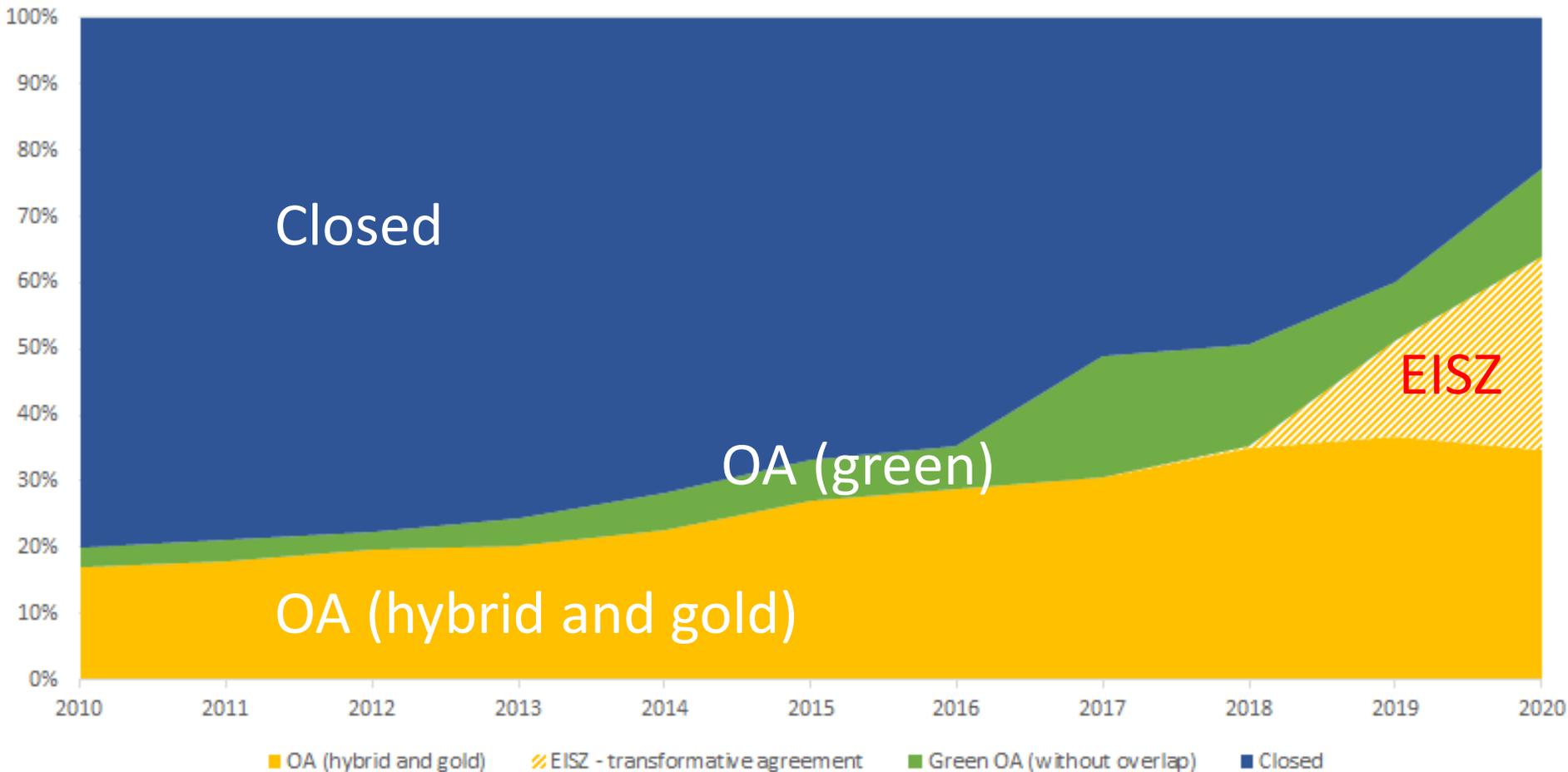
EISZコンソーシアム（ハンガリー）

■78出版社との契約状況（2020年7月現在）

Adatbázisok	Szerződések									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Academic Search Complete	—	—	—	—	2016	2017 - 2018	2019	2020		
Academic Search Ultimate	—	—	—	—	—	—	2018	2019	2020	
ACM Digital Library	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Akadémiai Kiadó Folyóiratai	2012	2013	2014	2015	2016	2017 - 2018		2019-2020		
Akadémiai Kiadó MERSZ	—	—	—	—	2016	2017	2018	2019	2020	
Akadémiai Kiadó Orvosi Folyóiratcsomag	—	—	—	—	—	2017	2018	—	—	—
Akadémiai Kiadó Szótárai	2012	2013	2014	2015	2016	2017 - 2018	2019	2020		
Alexander Street	—	—	—	—	—	2017	2018	2019	2020	
American Chemical Society	—	—	—	—	—	—	—		2019-2021	
Applied Science and Technology Source	—	—	—	—	—	—	2018	—	—	

EISZコンソーシアム (ハンガリー)

Hungarian Scientific OA Output 2010-2020



※文字は発表者が追記

<http://eisz.mtak.hu/index.php/en/>

Plan S (中国)

■ OA2020会議 (2018年)

- Plan S (即時OA) に賛同
- 国立科学院文献情報センター (NSL)
- 国立科学技術図書館 (NSTL)
- 国家自然科学基金委員会 (NSFC)
 - ✓ 論文の70%を支出

■ NSLとOUPが転換契約 (2020年5月22日)

- 中国科学院の22研究機関に所属する研究者は、APCの支払いなしでOA出版可能

China backs open-access plan

Officials pledge support for 'Plan S', which aims to make papers immediately free to read.

BY QUIRIN SCHNEIDER

In a huge boost to the open-access movement, librarians and funders in China have said that they intend to make the results of publicly funded research free to read immediately on publication.

The move, announced at an open-access meeting last week in Berlin, includes a pledge of support for Plan S, a bold initiative launched in September by a group of European funders to ensure that, by 2020, their scientists make papers immediately open.

It is not yet clear when Chinese organizations

will begin implementing new policies, or whether they will adopt all of Plan S's details, but Robert-Jan Smith, the chief architect of Plan S, says the stance is a ringing endorsement for his initiative. "This is a crucial step forward for the global open-access movement," he says. "We knew China was reflecting to join us — but that it would join us so soon and unambiguously is an enormous surprise."

In three position papers, China's National Science Library (NSL), its National Science and Technology Library (NSTL) and the Natural Science Foundation of China (NSFC), a major research funder, all said that they support

the efforts of Plan S "to transform, as soon as possible, research papers from publicly funded projects into immediate open access after publication, and we support a wide range of flexible and inclusive measures to achieve this goal". They add: "We demand that publishers should not increase their subscription prices on the grounds of the transformation from subscription journals to open access publishing."

The government will now urge Chinese funders, research organizations and academic libraries to make the outcomes of publicly funded research free to read and share as soon as possible, says Xiaolin Zhang, chair of the

China backs bold plan to tear down journal paywalls. Nature. 2018, 564, 171-172.

<https://doi.org/10.1038/d41586-018-07659-5>

中国科学院文献情報センターと英・オックスフォード大学出版局が中国初の転換契約締結に合意
カレントアウェアネス・ポータル. 2020-05-27. <https://current.ndl.go.jp/node/41053>

University of California (米国)

■2020年6月16日、Springer Natureと2020年～2023年の転換契約（米国初）

- 2020年：
 - ✓ OA誌（500+）・ハイブリッド誌（2,200+）で追加費用なくOA出版が可能
- 2021年～：**multi-payer model**
 - ✓ UCが定額を支払い、不足分は著者や大学が負担
- UC所属者は、**2,200誌以上のジャーナルへの恒久的な閲覧が可能**



https://osc.universityofcalifornia.edu/wp-content/uploads/2019/06/UCNegotiationToolkitforTransformativeAgreements_May2019.pdf

Springer Nature社と米・カリフォルニア大学が転換契約を締結.

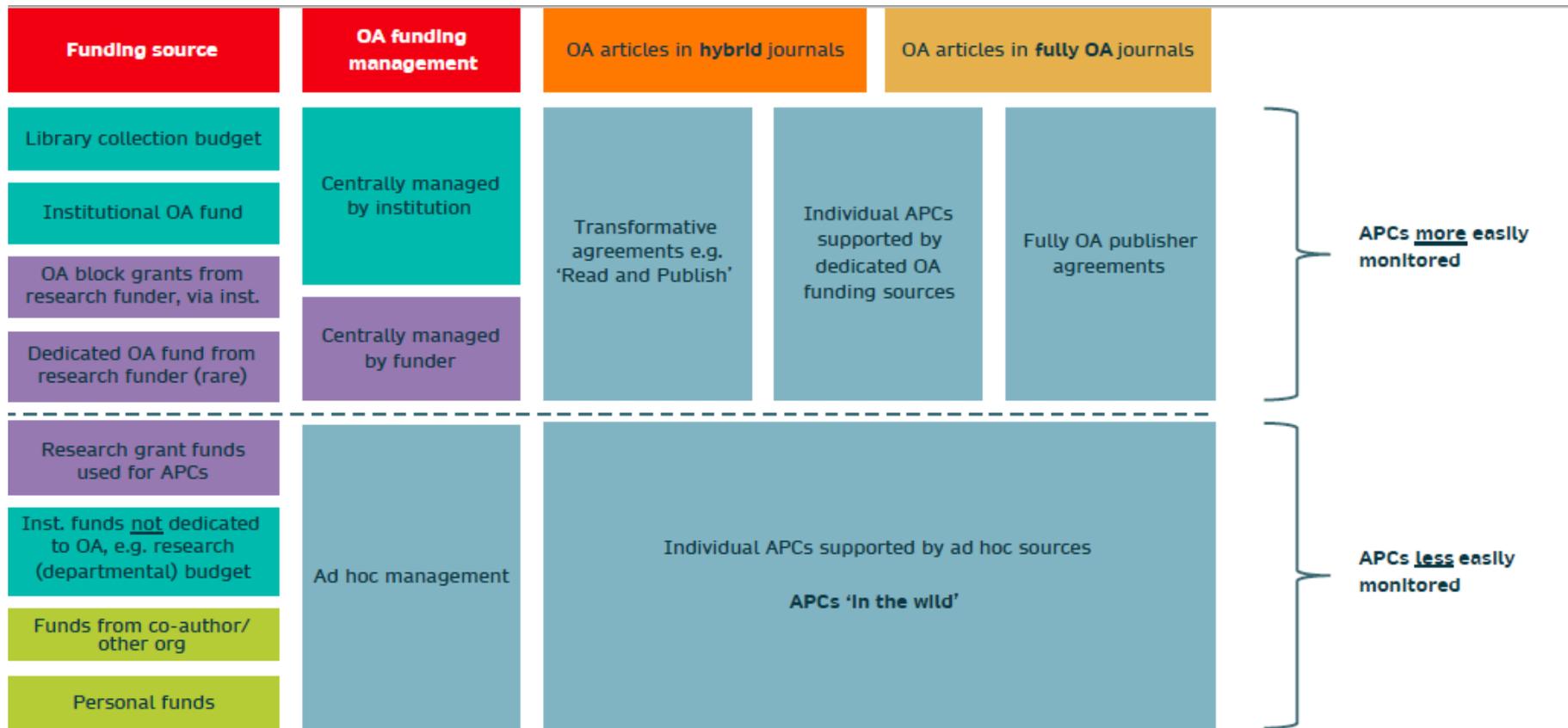
カレントアウェアネス・ポータル. 2020-06-18. <https://current.ndl.go.jp/node/41261>

ジャーナルごとの支払額 (UC)

€610.935 Nature Communications	€239.560 NeuroImage	€114.736 BMC Public Health	€75.629 Cerebral Cortex	€56.733 Cortex	€46.895 British Neuroim	€38.607 Neuroim	€33.07 BMC	€29.28 Environ	€26 Mov	€26 Ope	€26 The	€25 Impl	€25 Syst	€25 JAM	€25 The	€24 Jou	€24 Cry	€24 App	€24 Arc	€24 The	€24 Jou	€24 Pro	€24 En	€24 The	€24 Jou		
		€212.502 Brain	€112.119 Frontiers in Psychology	€75.095 Trials	€55.212 Pain	€46.825 Developr	€38.551 Physical	€32.97 Amad	€29.26 Amad	€23.9 The	€21 The	€21 The	€21 Bior	€21 The	€21 HA	€20 Mo	€20 Jou	€20 PLC	€20 AC	€20 Mo	€20 Dis	€20 The	€20 HIV	€20 The	€20 Bior	€20 Ge	€20 Jou
	€108.150 Journal of Neurology, Neurosurgery, and Neurology		€72.249 British Journal of Neurology	€53.699 Frontiers	€44.966 Translati	€43.728 The	€35.238 PLOS	€32.37 Heart	€28.49 Clinical	€22.9 Internat	€18.9 He																
	€559.978 PLOS ONE	€207.105 Cell Reports	€93.149 Neurobiology of Aging	€66.533 The	€51.631 Neuropsych	€42.472 BMC	€34.498 Nucleic	€32.10 Journal	€28.01 Journal	€22.3 The	€18.7 The																
€91.289 The Lancet			€62.919 Archives	€51.038 AIDS	€42.199 Journal	€34.204 The	€31.90 Frontier	€27.85 Frontier	€22.3 Frontier	€18.6 Frontier																	
€178.226 Current Biology		€86.942 BMJ	€62.535 Philosophic	€49.619 BMC	€41.210 Fuel	€33.746 Magnetic	€30.26 BMC	€27.68 BMC	€22.2 BMC	€18.3 BMC																	
		€81.618 Journal of Molecular Biology	€58.298 Frontiers	€48.011 Sexually	€40.688 Chemist	€33.608 Chemist	€29.98 Chemist	€27.61 Chemist	€22.1 Chemist	€18.2 Chemist																	
€404.514 Scientific Reports	€177.449 Neurology	€172.087 Journal of Neuroscience	€81.281 PLOS	€58.153 Computational	€47.394 PLOS	€39.717 The	€33.500 Euronas	€29.50 Euronas	€27.11 Euronas	€22.1 Euronas	€17.9 Euronas																
		€139.487 Neuron	€76.623 Frontiers in Immunology	€57.401 Journal of	€47.394 OncoTargi	€39.703 Journal	€33.361 Philosop	€29.33 Philosop	€27.06 Frontier	€21.9 Frontier	€17.9 Frontier																
	€376.918 BMJ Open	€139.487 Neuron	€76.623 Frontiers in Immunology	€57.401 Journal of	€47.394 OncoTargi	€39.703 Journal	€33.361 Philosop	€29.33 Philosop	€27.06 Frontier	€21.9 Frontier	€17.9 Frontier																

Measure:	Sum	Number of Articles	Mean Value	Standard Deviation	Download as:	CSV	JSON
UCL // Journals (2024 entries*)		Sum	Number of Articles	Mean Value	Standard Deviation	Percentage	
■ Nature Communications	€610.935	133	€4.593	€506	3.59%		
■ PLOS ONE	€559.978	411	€1.362	€251	3.29%		
■ Scientific Reports	€404.514	268	€1.509	€125	2.38%		
■ BMJ Open	€376.918	229	€1.646	€169	2.21%		
■ NeuroImage	€239.560	112	€2.139	€430	1.41%		

補足：APCの資金源



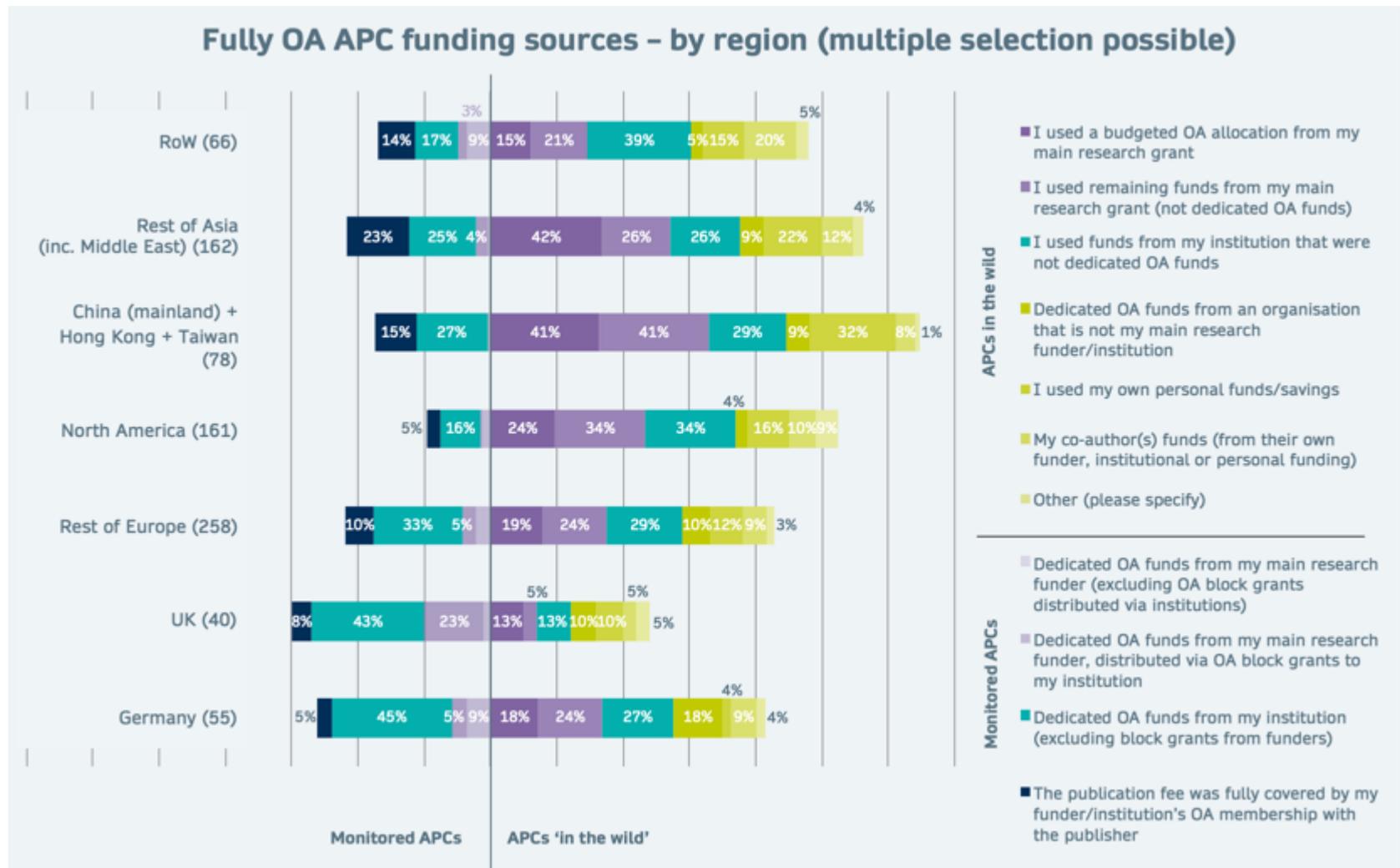
Monaghan, Jessica; Lucraft, Mithu; Allin, Katie (2020): 'APCs in the Wild': Could Increased Monitoring and Consolidation of Funding Accelerate the Transition to Open Access?.

figshare. Journal contribution. <https://doi.org/10.6084/m9.figshare.11988123.v4>

Springer NatureによるAPCの財源に関する白書

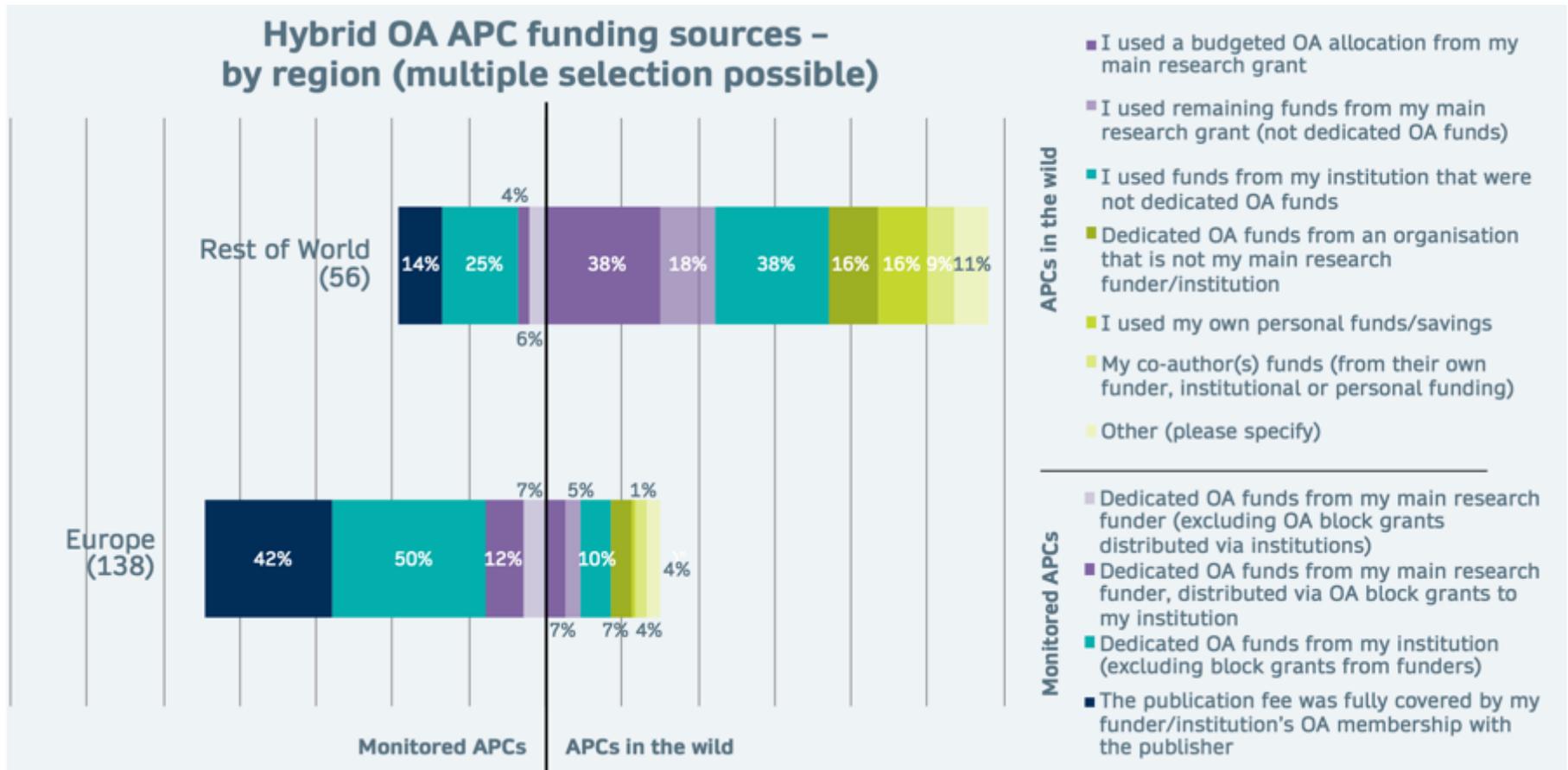
調査対象：Nature関連誌の著者1,014名、機関代表者16名

地域別：full OA APCの資金源



Monaghan, Jessica; Lucraft, Mithu; Allin, Katie (2020): 'APCs in the Wild': Could Increased Monitoring and Consolidation of Funding Accelerate the Transition to Open Access?. figshare. Journal contribution. <https://doi.org/10.6084/m9.figshare.11988123.v4> [p.16]

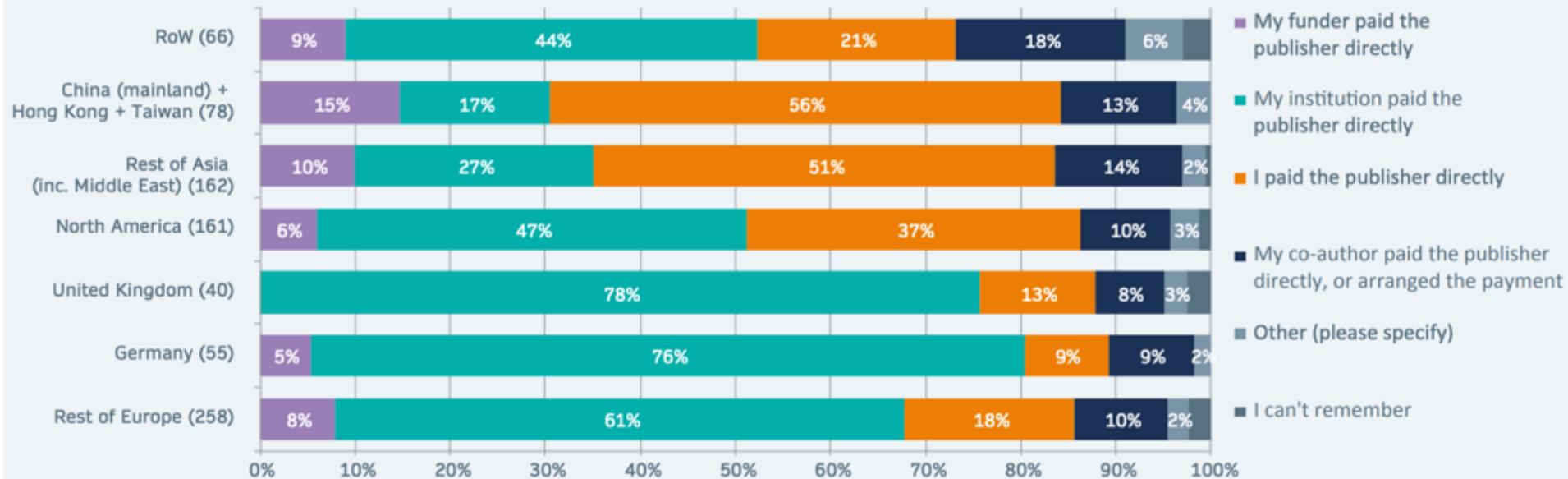
地域別：hybrid OA APCの資金源



Monaghan, Jessica; Lucraft, Mithu; Allin, Katie (2020): 'APCs in the Wild': Could Increased Monitoring and Consolidation of Funding Accelerate the Transition to Open Access?.
figshare. Journal contribution. <https://doi.org/10.6084/m9.figshare.11988123.v4> [p.18]

国・地域別APC支払い主体-fully OA

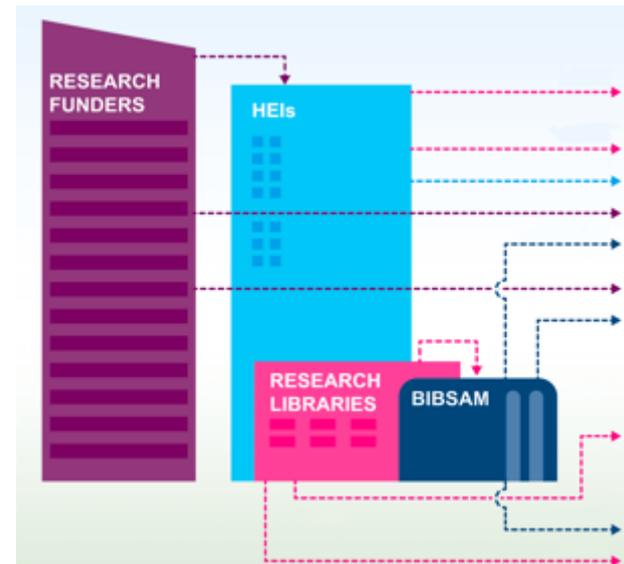
Who was involved in the process of paying the APC?
- fully OA regional breakdown



Monaghan, Jessica; Lucraft, Mithu; Allin, Katie (2020): 'APCs in the Wild': Could Increased Monitoring and Consolidation of Funding Accelerate the Transition to Open Access?.
figshare. Journal contribution. <https://doi.org/10.6084/m9.figshare.11988123.v4> [p.20]

Bibsamコンソーシアム（スウェーデン）

- 高等教育機関と研究助成機関による学術出版費用の分担
- BibsamとSpringer Nature社の契約
 - 85の参加組織に所属する研究者は576ジャーナルから出版可能
 - “Funding for publishing should not come from the individual researcher.”
 - 支払状況の透明化



各国のAPCの支援策（まとめ）

■主体：助成機関・所属機関等（欧州型）

- Block grant、助成機関による契約
- スケールメリット
- STEM中心、SSHは？
- 研究者：間接コストを低減（欧州以外の研究者はWildなAPC資金の比率が高い）
- 学術情報政策・研究助成機関：APCの透明化
- ハイブリット誌は減少、フルOA誌は増加傾向

■大学等によるAPC契約

- multi-payer model (UC)
- 転換契約：おおむね3年ごとに更新が必要→交渉コスト

2. 各国のセーフティネットの 整備状況

バックファイル

	ISTEX (仏)	EISZ (ハンガリー)
コンテンツ	ジャーナル : 9,307タイトル 電子書籍 : 346,863タイトル	データベース : 58 バックファイル、およびWeb of Science、SciVal等含む
契約	ナショナルライセンス	
対象	大学・研究機関、フランス国立図書館、公共図書館	大学・研究機関、政府機関、医療機関、公共図書館 (参加館)
運営	交渉 : 高等教育書誌センター (ABES) 選書 : 大学図書館コンソーシアム (Couperin)	EISZコンソーシアム
備考	<ul style="list-style-type: none">プラットフォーム開発多様な出版社のコンテンツをシームレスに検索可能データマイニング可能	<ul style="list-style-type: none">検索システム (COMPASS) 開発Taylor & FrancisとのRAP契約を更新せず→バックファイルを含む契約方針か

ナショナルリポジトリ（仏）

■ HAL

- オープンアーカイブ
- 例：Elsevierの印刷版を24ヶ月後に公開

■ ISTEK（バックファイル）

- 2,300万文献（1473～2017年）
- Couperinがバックファイルを選定*



<https://hal.archives-ouvertes.fr/>



<https://www.istex.fr/>

*柴田育子. フランスの大学図書館コンソーシアム調査報告及び考察.
大学図書館研究. 2016, 103, 42-49. <https://doi.org/10.20722/jcul.1429>

EISZ (ハンガリー)

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Open Access

Events

Electronic Information Service
National Programme



Open Access agreements

Useful informations about the open access publishing and guide to the publisher's dashboards.

<http://eisz.mtak.hu/index.php/en>

バックナンバー電子化事業

■米国国立医学図書館（NLM）とWellcome Trust

- 2004年～2010年：Medical Journal Backfiles Digitization Project
- 2014年：MOU
- 2019年：事業完成

■150年分の生物医学分野の学術雑誌

- PMC (PubMed Central)、Europe PMCで530万報以上の論文を無料公開
- テキストマイニング・再利用可能

ダークアーカイブ

	Portico	CLOCKSS
設立	2002年～	2006年～
運営	ITHAKA	学術出版社・大学・研究機関
アーカイブ方式	集中型	12のノード組織による分散型
論文	89,000,000	38,000,000
書籍	1,100,000	200,000
参加図書館	1,014	300
学術出版社	684	286
TEによる利用可能範囲	Portico参加館のみ	CCライセンス
TEによる公開数	125	64
日本の参加状況	J-STAGE	NII、大学図書館等

※TE=Trigger Event 数値は公式サイトによる（2020年5月現在）

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The community governed and supported
digital preservation archive for scholarly content

FEATURED:

[CLOCKSS ANNOUNCES THE TRIGGER OF 11 MEDKNOW JOURNALS FOR OPEN ACCESS](#) ▶

CLOCKSS BY THE NUMBERS

38 Million
Journal Articles

200,000
Books

64
Triggered Titles
Open Access

12
Mirror Repository
Sites

300
Supporting
Libraries

286
Participating
Publishers



SECURE DISTRIBUTED INFRASTRUCTURE

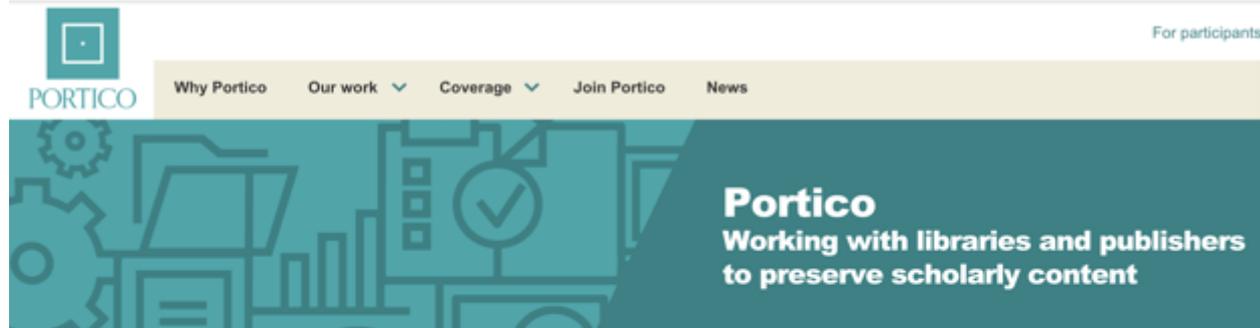
Mirror repository sites at 12 major academic institutions around the world guarantee long-term preservation and access. Our approach is resilient to threats from potential technological, economic, environmental and political failures.



INNOVATIVE TECHNOLOGY

Built with proven LOCKSS open-source technology, CLOCKSS preserves scholarly publications in original formats. The polling-and-repair mechanism ensures the long-term validity of the data.

Portico



Portico is a community-supported preservation archive that safeguards access to e-journals, e-books, and digital collections. Our unique, trusted process ensures that the content we preserve will remain accessible and usable for researchers, scholars, and students in the future.

Resources for our community and business continuity

[Read ITHAKA's COVID-19 response](#)

NEWS

All News

June 1, 2020

Portico access alert: Two digital collections from Gale

May 26, 2020

Presentation: Preservation of New Forms of Scholarship at CNI

May 4, 2020

CNI session explores persistent identifiers

Search for titles in the Portico archive

Search titles by keyword:

E-journals E-books Collections

Search now

Journal articles preserved:
90+ million

Books preserved:
1.1+ million

Digital collection items preserved:
4+ million

Triggered titles:
124

Participating libraries:
1,014

Participating publishers:
699

各国のセーフティネットの整備状況（まとめ）

■バックファイル

- ナショナルライセンスによるスケールメリット
- APC契約とセットで行っている場合が多い
- フランスとハンガリーは公共図書館も対象
- 大学・研究機関と二重支払いの可能性

■バックナンバー電子化事業

- 長期的事業

■ダークアーカイブ

- トリガーイベント（出版社の倒産や自然災害）の発生時に有効
- 日本も参加