## 学術出版の今後を考える

尾城 孝一

国立情報学研究所オープンサイエンス基盤研究センター

#### OAの現状

#### 「OAの現状:オープンアクセス論文の普及と影響力 に関する大規模分析」

Piwowar H, Priem J, Larivière V, Alperin JP, Matthias L, Norlander B, Farley A, West J, Haustein S. (2018) The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. PeerJ 6:e4375 https://doi.org/10.7717/peerj.4375

Richard Poynder. The state of open access: some new data. (Q&A With Heather Piwowar)

Open and Shut? August 03, 2017

https://poynder.blogspot.jp/2017/08/the-state-of-open-access-Some-new.html

#### **Impactstory**

- 学術研究成果をオープンで再利用可能にするための オンラインツールを開発・提供する非営利団体
- Clarivate AnalyticsがImpactstoryに対し資金提供

#### oaDOI

- 合法的に利用可能なOA論文の発見支援ツール
- PMC、Crossref、Google Scholar、BASE、DOAJ、DataCite、その他数千の機関リポジトリや出版者サイトからクロールしたデータ基づき、約9,000万件のCrossref DOI付きOA論文のデータベースを構築
- それに基づき、APIやUnpaywallといったサービスを提供

#### Unpaywall

- oaDOIをベースとしたブラウザの拡張機能
- ユーザがアクセスしようとした論文のOA版にナビゲートする機能提供

## 分析の手法

- Impactstoryが提供する<u>6,700万論文</u>のOAステイタスを特定 する無料のオンラインサービスであるoaDOIを使用して 分析
- 3つのサンプルを抽出し、各サンプルのOA論文数を調査

サンプル名	サンプル数	サンプルデータ	目的	母数
Crossref- DOIs	100,000	Crossref DOIを持つ全 ての論文(全年代)	OA論文の比率を推定	66,560,153
WoS-DOIs	100,000	DOIを持つ全ての引 用可能なWoS論文 (2009-2015)	最近のOA論文の引用 インパクトの測定	8,083,613
Unpaywall- DOIs	100,000	2017年の1週間に Unpaywallユーザがア クセスした論文	Unpaywallユーザが OA論文にナビゲート された比率	213,323

# 本分析におけるOA分類

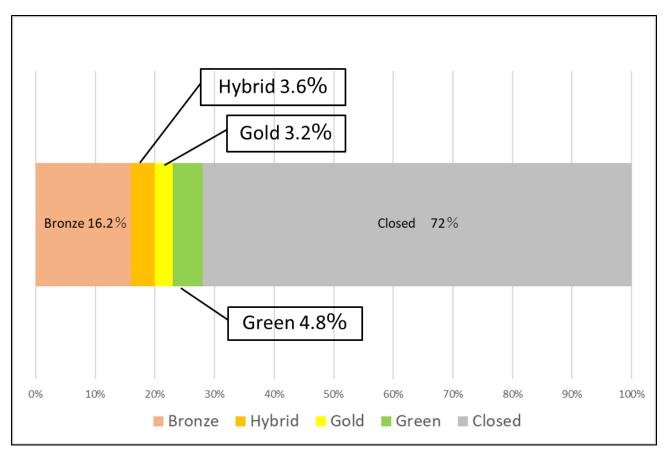
Gold	オープンアクセスジャーナルに掲載された論文
Green	出版者のページでは有料だが、OAリポジトリで無料で公開 されている論文
Hybrid	有料ジャーナル(購読誌)上でオープンなライセンス付き で無料アクセスできる論文
Bronze	出版者のページで無料で読めるが、ライセンスを持たない 論文(遅延型OA(delayed OA)や出版者が無料公開してい るニュース価値の高い論文などが含まれる)
Closed	その他全ての論文(SNSやSci-Hubでのみ共有されている論文 も含む)

## 主な分析結果

- 学術論文の少なくとも28%がOA論文(総数1,900万件)であると推定
- OA論文の比率は年々高くなり、2015年の分析によれば45%がOA
- Unpaywallユーザが読みたいと思った論文の47%はOA
- OA論文の被引用率は平均よりも18%高い

## OAカテゴリ毎の論文比率

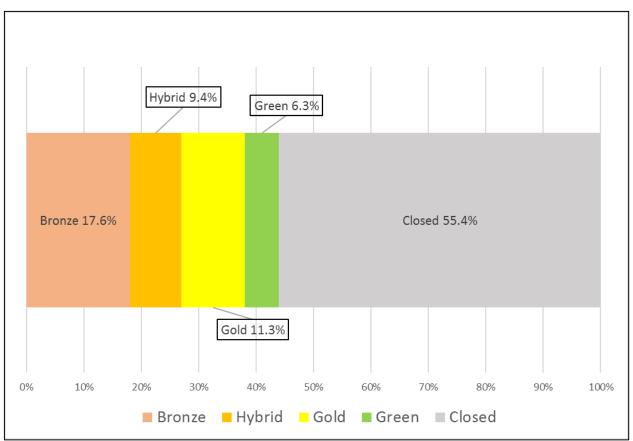
#### 28%がOA



※Greenについては、Gold、Hybrid、Bronzeとの二重カウントはしていない

#### OAカテゴリ毎の論文比率(2015年出版)

#### 45%がOA



※Greenについては、Gold、Hybrid、Bronzeとの二重カウントはしていない

#### Piwowar氏の助言

#### • 図書館員に対して

- 本調査のデータをカードとして出版者と交渉すべし
- ユーザがアクセスする論文の半数は無料で読める
- 全論文を読むための費用を購読料として払う必要なし

#### ●出版者に対して

- 今のモデルをフリップすべし
- コンテンツに対するアクセスを売るのではなく、著者に 対するサービスを売るモデルに転換せよ
- それが唯一の正しい道

#### OA2020をめぐる動向

### 購読料の交渉

"We are treating symptoms not causes ..." (Tom Sanville)

対症療法にとどまる

## 購読モデルにおける価格上昇の原因

#### • アクセス権販売の独占

- 出版社はアクセス権を販売しており、著作権の譲渡を受けることにより、その権利を独占
- 価格競争にさらされない

#### • 学術雑誌の特殊性

- 購読者から見た学術雑誌は、代替財ではなく補完財
- 同じ分野のA誌とB誌は代替可能ではなく、互いに補完し 合う関係
- 両誌を購読しなければならない

### APC-OAモデル

- オープンアクセスのモデルでは、出版社が著者に売るのは出版サービス
- 著者から見ると、学術雑誌というのは、補完財では なく、代替財になる
- より質が高く、より出版費(APC)が安い雑誌に論 文を投稿するという
- そこに、競争が生まれ、価格を抑えるメカニズムが 働く可能性がでてくる

### 出版サービスの評価

- QOAM: Quality Open Access Market (https://www.qoam.eu/)
  - OAジャーナルの出版サービスの質を評価するサイト
  - Base Score Card
  - Valuation Score Card
- DOAJ Best Practice Guide (https://www.doajbestpracticeguide.org/)
  - 信頼できるオープンアクセス誌であるか否かを判断する ための選択基準
  - 論文の投稿先決定を支援するツール

#### OA2020

#### **Worldwide Publishing Market**



- ✓ 購読料をAPCに転換(flipping)することで、追加のコストを発生させることなく論文のOA化は即座に実現できるという提案
- ✓ 世界の100の研究機関やコンソーシア ムがEoIに署名
  - ✓ JUSTICE

ハイブリッドモデルで日本でもこれが使われている 欧州で試行中で、さらに強く求めていくモデル

今までの購読型モデル

✓ 物性グループ・物性委員会

購読料とAPCをセットにしたオフセット契約を経て購読料なしのフルOAを 実現するためのロードマップ

既存の雑誌がフルOAとなる。2020に可能か? \$ \$ \$ 論文毎に APCを払 \$\$ APC いOA化 (ダブル ディッピ \$\$ Reading Fee ハイブリッドモデル ハイブリッド 購読型モデル フルOA (ビッグディール) モデル 2020年に達成できるか? オフセット契約

## ドイツとオランダ

#### ● ドイツ(Project DEAL)

- ドイツ科学機構連合(Alliance of Science Organizations in Germany)とドイツ大学長会議(German Rector's Conference)による取組み
- 大手3社と新たな契約モデル(APCと購読料をセットにしたPublish and Readモデル)について交渉

#### • オランダ

- 2024年までにオランダの研究者による論文を100%OA化するという政府方針の下、オフセット契約(購読料+APCの一括契約)をめざして出版社と交渉
- 交渉合意した出版社は、大手3社に加えて、ACS、SAGE、 Taylor & Francis、CUP、RSC等

## 出版社の対応

#### Elsevier

- ゴールドOAと購読モデルは異なるビジネスモデルであり、両者をセットにした提案を行わないという姿勢
- 「各国・地域による最適な方法でOAへの移行を進めていくべき。欧州はゴールドOAが最善なので欧州内だけでOAに。日本、アメリカ、中国は購読型/グリーンOA路線」との認識 "Working towards a transition to open access" (Elsevier Connect, 2017/9/26)

#### Springer Nature

- OAに関して柔軟な姿勢
- Springer Compact (購読料とAPCを一括支払いするモデル)をオランダ、オーストリア、ドイツ、イギリス、スウェーデンと締結

### JUSTICEの取組み

#### • 論文公表実態調査

● 国内研究者が公表する論文のゴールドOA率やAPC支払推定額の把握のため、WoSからデータを抽出し集計作業を実施(2015.9~)

#### ● 国際連携

- OA2020への関心表明(EoIに署名)(2016.8)
- ベルリン13会議へ出席、運営委員会の市古委員長が日本のNCPに就任(2017.3)

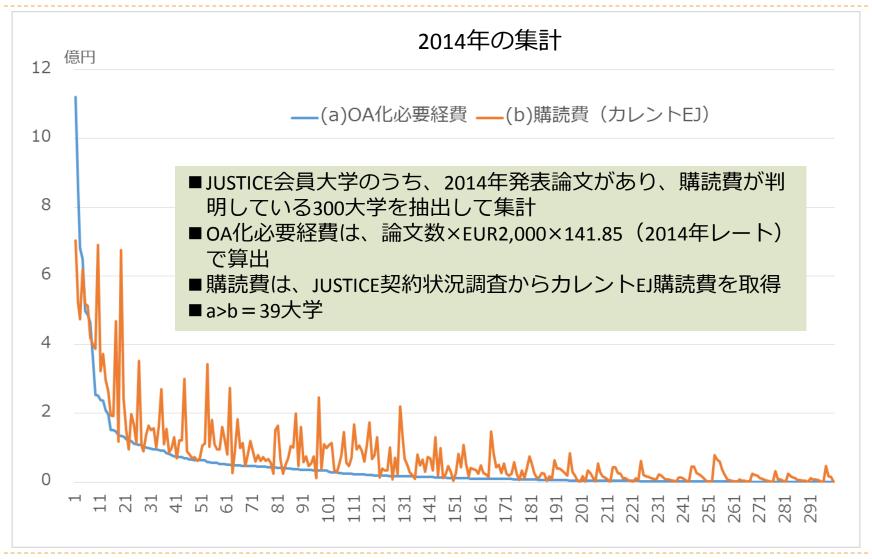
#### • 活動体制

- OA2020対応検討チームの設置(2017.6~)
  - ■国内外のゴールドOAの動向に関する情報収集・提供
  - OA2020モデルの実現可能性の検討

# フリッピングの試算(JUSTICE版)



### OA化必要経費と購読費(JUSTICE会員大学)



### JUSTICEの基本方針

- 購読料モデルでの交渉を継続?
- OAモデルへの転換を図る?

### non-APC OAモデル(図書館共同出資モデル)

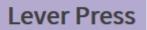
- 図書館のコンソーシアムを作り、参加館から出資金 を集め、それを財源としてオープンアクセスジャー ナルを発行するというビジネスモデル
- 著者にAPC負担を強いることなく、オープンアクセスを実現できる

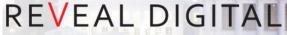






Luminos













AAU/ARL/AAUP Open Access Monograph Publishing Initiative

# Open Library of Humanities (OLH)

- 図書館のコンソーシアムを作り、参加館から出資金を集め、それを財源としてオープンアクセスジャーナルを発行するというビジネスモデルを採用人文系を中心に20種の雑誌を刊行
- 現在, 北米や英国を中心として200を超える図書館が OLHを支援
- 各図書館が拠出する毎年の出資金の平均額は, 1,000 ドル程度, 1図書館が1誌に対して支払う額は, 年間 約55ドルと推定

https://www.openlibhums.org/

# Knowledge Unlatched (KU)

- 2012年に英国で設立された非営利団体で、主に人文 社会科学系の学術書のオープンアクセス化をめざす
- 図書館からの出資金によって学術書をオープンに出版するモデルを採用
- 参加図書館は、参加出版社が提示する学術書のリストからオープン化の対象とするタイトルを選定し、 資金を出し合って、選定された学術書のオープンアクセス化を実現
- 約450のタイトルの学術書をOA出版
- STEM分野の学術書やジャーナルにも範囲を拡大

http://www.knowledgeunlatched.org/

# プレプリントサーバの拡がり

# プレプリントサーバの隆盛





**Cryptology ePrint Archive** 





#### 米国化学会



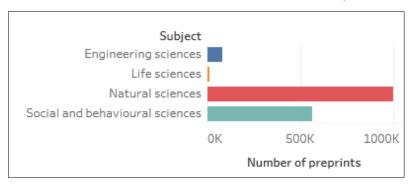




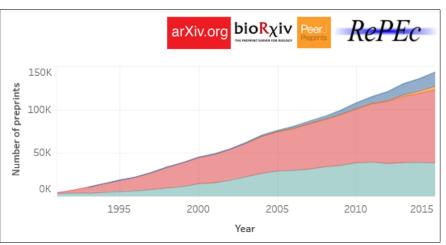
PeerJ Preprint

## プレプリントの増加

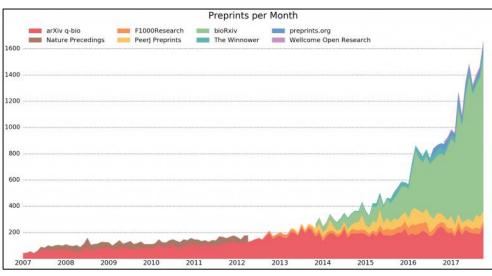
#### (主要プレプリントサーバの分野別論文数)



#### (主要プレプリントサーバの年間登録数の伸び)



#### (生物学プレプリントの年間登録数の伸び)



By Jordan Anaya http://asapbio.org/preprint-info/biology-preprints-over-time

Open Science Monitor - European Commissionより http://ec.europa.eu/research/openscience/index.cfm?pg=home&section=monitor

### Ingelfinger rule

<u>The New England Journal of Medicine</u> (NEJM) would not publish findings that had been published elsewhere, in other media or in other journals.

かつてプレプリントは一般に先行出版とみなされていたが、、、

# List of academic journals by preprint policy

#### Publishers with unified policies [edit]

Publisher •	Policy type	Policy text •	Source ¢
University of Chicago Press	Likely compatible	We place no conditions on posting a paper intended for submission (but not yet submitted) to one of our journals, except to note that posting a paper online may, in some cases constitute prior publication – for example, posting to a commercial venue and/or to a venue with a formal review and approval process. Please consult the journal's editor if you have questions about whether or not a particular use constitutes prior publication.	
American Chemical Society	Compatible in most cases	"Each ACS journal has a specific policy on prior publication that is determined by the ACS Editor in accordance with their final responsibility for editorial decisions relative to thei publications. Details of the respective prior publication policies of each ACS journal is available at [29] 6". On August 10, 2016, ACS announced the development of a chemistry preprint server, ChemRxiv [30] 6". On August 114, 2017, ACS announced the release of a fully functioning beta site for ChemRxiv developed with strategic input from the Royal Society of Chemistry, the GDCh, the chemistry community, other societies, funders, and non-profits, open for submissions and available for all readers at [31] 6".	
American Association for Cancer Research (AACR)	Compatible	"Posting of manuscripts on institutional websites or on recognized community preprint servers, such as bioRxiv, is permitted under our publication policy. Authors must retain copyright to such postings and are encouraged to contact the journal's editors to discuss their specific manuscript if they have questions. Please note that the AACR does not support posting of revised manuscripts that respond to editorial input and peer review or the final published version to preprint servers."	[1]@
American Heart Association (AHA)	Compatible	All AHA journals share the same policy: "Posting of un-refereed manuscripts to a community pre-print server by the author will not be considered prior publication, provided that the following conditions are met: 1) During submission, authors must acknowledge pre-print server deposition and provide any associated accession numbers or DOIs; 2) Versions of a manuscript that have been altered as a result of the peer review process may not be deposited; 3) The pre-print version cannot itself have been indexed in MEDLINE or PubMed; 4) Upon publication, authors are responsible for updating the archived pre-print with a DOI and link to the published version of the article."	[2]@
American Institute of Physics (AIP)	Compatible	"Author-prepared files only may be used; files prepared and/or formatted by AIP Publishing or its vendors (e.g., the PDF, PostScript, or HTML article files published in the online journals and proceedings) may not be used for this purpose."	[3]@
American Physical Society	Compatible	From the submission FAQ: "E-print number, e.g., 0804.1718, assigned by the arXiv e-print servers. This can be used at submission to automatically download files from the e-print server."	[4]\$
American Phytopathological Society	Compatible	From the guidelines to the authors: "Authors are allowed to present and discuss their findings ahead of publication at scientific conferences, on preprint servers (such as arXiv, bioRxiv, or PeerJ preprints among others), in public databases, and other informal communication channels. When submitting a manuscript for review, authors need to disclose preprints, databases, proceedings, or other preliminary communications or depositories. However, abstracts, conferences, or personal communications need not be disclosed. This prior disclosure does not constitute prior publication."	[5]@
American Society for Microbiology	Compatible	From the submission FAQ: "ASM journals will consider for publication manuscripts that have been posted in a recognized not-for-profit preprint archive, providing that upon acceptance of the manuscript for publication the author is still able to grant ASM copyright or agree to the terms of an Open Access license and pay the associated fee."	[6]@
EMBO Press	Compatible	All four EMBO Press journals share the same policy: "All EMBO Press journals encourage prior publication on recognized non-peer-reviewed, community preprint servers such as arXiv and bioRxiv for commenting by other scientists before - or in parallel with - formal submission to the journal. Articles that have been published in an EMBO Press journal, accepted for publication, or revised to address referee comments should not be posted to bioRxiv (note that doing so would also contravene policy at bioRxiv and Crossrefs policy against duplicative DOI assignment). BioRxiv posts will forward link to formally published papers. BioRxiv posts can be directly submitted with minimal effort to any EMBO Press journal. The details of the preprint server concerned and any accession numbers or DOIs must be included in the cover letter accompanying submission of the manuscript."	[7] <i>&amp;</i>
Microbiology Society	Compatible	The Society's Licence to Publish requires that articles have not previously been published in part or in whole within a scientific journal, book or similar entity. Deposition of a preprint version on the author's personal website, in an institutional repository, or in a recognized preprint archive (such as BioRxiv) is not viewed as prior publication, provided that:  • The version posted has not been peer-reviewed, edited, or typeset.  • Upon acceptance of their article for publication the author is still able to grant the Society an exclusive Licence to publish the article, or agree to the terms of the OpenMicrobiology agreement and pay the article processing charge (APC).  Authors should inform the journal at the time of submission if and where their article has been previously posted. Authors are required to provide a link to the final published article (known as the Version of Record) alongside the original preprint version.    [8] 6/2	
Nature Publishing Group	Compatible	The policy states "Neither conference presentations nor posting on recognized preprint servers constitute prior publication," and an editorial explains: "Nature never wishes to stand in the way of communication between researchers [] Communication between researchers includes not only conferences but also preprint servers. The ArXiv preprint server is the medium of choice for (mainly) physicists and astronomers who wish to share drafts of their papers with their colleagues, and with anyone else with sufficient time and knowledge to navigate it. [] If scientists wish to display drafts of their research papers on an established preprint server before or during submission to Nature or any Nature journal, that's fine by us."	[9] & and [10] &

https://en.wikipedia.org/wiki/List\_of\_academic\_journals\_by\_preprint\_policy

# List of academic journals by preprint policy

#### Individual journals [edit]

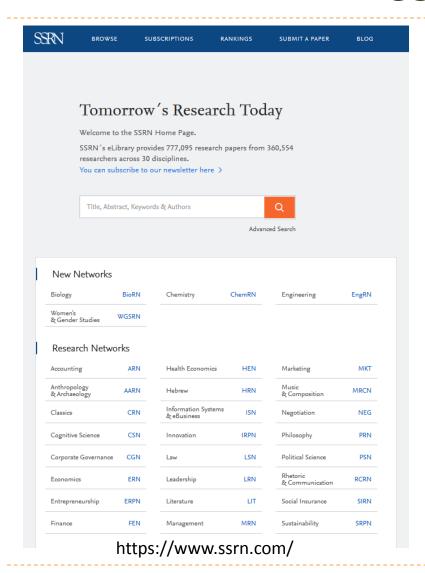
Journal \$	Publisher +	Policy type -	Policy text	Source +
Journal of Biology of the Cell		Likely Incompatible / Unclear	Unclear. When submitting a manuscript to BoC it is understood that the data have been neither published nor also submitted for publication elsewhere in any language (excluding abstracts for conferences of less than one page and without illustrations)	
Journal of Clinical Investigation	ASCI[89]₽	Incompatible	The JCI considers the following to be prior publication and therefore unacceptable:  • any printed or online material describing the findings, methods, or results of a submitted/in-press manuscript in excess of 400 words;  • any published tables or illustrations that in any way duplicate the content of another manuscript;  • any posters shown other than at a professional meeting and leaflets distributed other than to a professional audience ()	
Molecular Biotechnology	Springer	Incompatible	Based on personal e-mail communication with Publisher on 2016/12/19. Relevant quote from communication: "No is not compatible (if submitted in BioRxiv) we only publish original articles."	
New England Journal of Medicine		Incompatible	NEJM expects that the articles it publishes will not have been published or released elsewhere before they are published in NEJM. The policy page does not explicitly mention preprints; however, the journal has come under public scrutiny.	[1][2]
FASEB Journal	FASEB	Compatible Compatible	FASEB permits the submission of preprint manuscripts, which will undergo the same review process as "non-preprint" manuscripts. Preprint submissions must meet the following criteria and conditions []	[3]
American Journal of Human Genetics	Cell	Compatible	Per AJHG, the following text applies to engagement with media only: Work intended for submission to AJHG, currently under consideration at AJHG, or in press at AJHG may not be discussed with the media before publication. Providing preprints, granting interviews, discussing data with members of the media, or participating in press conferences in advance of publication without prior approval from the AJHG editorial office may be grounds for rejection.	[72] <mark>[</mark> [73] @
Bioessays	Wiley	Compatible	Wiley believes that in communities where non-commercial preprint servers exist, journals should allow for the submission of manuscripts which have already been made available on such a server.	[83] 🕝
Biology Open (BiO)	The Company of Biologists	Compatible	Deposition of research manuscripts (e.g. Research Articles and Methods & Techniques) prior to submission on community pre-print servers, or of conference presentations online, will not be considered prior publication and will not compromise potential publication in BiO. Versions of a manuscript that have altered as a result of the peer review process may not be deposited. Authors should provide details of the deposition in the cover letter accompanying manuscript submission. Authors are requested to update the pre-print server record with a link to the final published version of the article on the BiO website.	
Biophysical Journal	Cell	Compatible	BJ will consider for publication manuscripts that have been posted informally on a private website or on ArXiv or BioRxiv, but will not consider manuscripts that have been posted on other preprint servers or "virtual journal" websites. Questions related to this policy should be directed to the Editorial Office.	[62] 🔑
Cell	Cell	Compatible	We will consider papers previously posted on a preprint server such as arXiv or bioRxiv. We are very interested to hear from researchers about their motivations for posting and to discuss with them whether it is the best approach for their paper, so we strongly encourage authors who are planning to submit to us to contact the editors first to discuss their specific paper and situation. This policy only applies to the original submitted version of the paper; we do not support posting of revisions that respond to editorial input and peer review or the final published version to preprint servers. Also, our prepublication publicity policies with regard to coverage in the broader media still apply to studies posted on preprint servers.	[44]@
Current Biology	Cell	Compatible	We will consider papers previously posted on a preprint server such as arXiv or bioRxiv. We are very interested to hear from researchers about their motivations for posting and to discuss with them whether it is the best approach for their paper, so we strongly encourage authors who are planning to submit to us to contact the editors first to discuss their specific paper and situation. This policy only applies to the original submitted version of the paper; we do not support posting of revisions that respond to editorial input and peer review or the final published version to preprint servers. Also, our prepublication publicity policies with regard to coverage in the broader media still apply to studies posted on preprint servers.	[41]@
Current Plant Biology⊌	Elsevier	Compatible	All manuscripts submitted are peer-reviewed before being accepted for publication to Current Plant Biology. By submitting a manuscript to CPB authors state that the manuscript has not being submitted elsewhere, and that it contains unpublished data. Current Plant Biology does not accept work that has already been published elsewhere in the peer-reviewed literature. Activities such as publication of a short abstract; presentation of data to a scientific meeting; posting of the manuscript to any of the author's personal website, in an online institutional repository or on a freely accessible preprint server such as arXiv or bioRxiv, are not considered prior publication and do not exclude consideration of	

https://en.wikipedia.org/wiki/List\_of\_academic\_journals\_by\_preprint\_policy

## プレプリントサーバをめぐる動向

- arXivの分野拡大
  - 高エネルギー物理学から数学、経済、統計へ
  - ディープラーニング研究の主戦場
- COSがプレプリントサーバを積極的に支援
  - 18のプレプリントサーバをホスト
- 米国化学会もプレプリントサーバを運用
  - ChemRxiv
- プレプリントの投稿を受け付ける出版者が増加
- プレプリントにDOIを付与する動き(CrossRef)
- ElsevierがSSRNを買収

#### **SSRN**



- もはや社会科学系のプレ プリントサーバではない
- 全ての学問分野をカバー
- 学術出版プロセスの上流 で研究者と論文を囲い込 もうという試み

SSRN → ScienceDirect

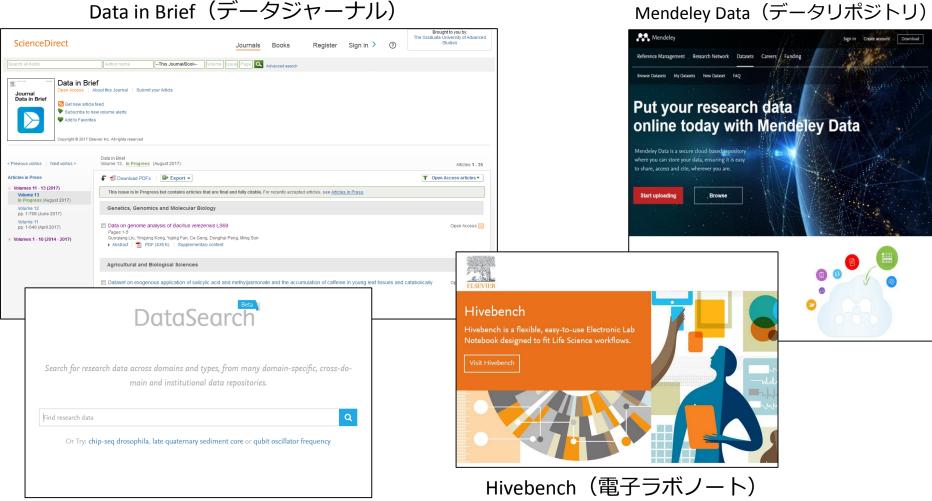
### 研究データと商業出版社

### Elsevierの研究データ原則

- 研究データは全ての研究者に無料で利用できるように
- 研究者が自らの研究データへのアクセスやその利用についてコントロールできるように
- 研究分野の要請を考慮
- 研究データの効率的な再利用を促進
- プラットフォーム、出版、ツール、キュレーションサービ スによりデータの価値を高める
- 付加価値サービスのコストに配慮

https://www.elsevier.com/about/ourbusiness/policies/research-data

## Elsevierと研究データ



DataSearch(データ検索ツール)

#### Springer Natureの研究データ支援サービス

- ✓ データセットのメタデータを高度化することにより、発見可能性を向上させ、再利用を促進する
- ✓ データセットにDOIを付与し、識別と引用を容易にする
- ✓ データを関連する研究に紐付け、可視性と再利用可能性を高める
- ✓ データの利用に関する文書を作成することにより、可視性を 更に高める
- ✓ データセットに加えられたチェックや改良に関する詳細なレポートを提供する

http://go.nature.com/SNRDS

出版からワークフロービジネスへ

# 「私たちは実験から論文発表まで科学者の日常のワークフロー全体を支援する」

(エルゼビア・ジャパン、アンデシュ・カールソン副社長)

日本経済新聞2016年10月10日付記事より

#### 研究ワークフローとElsevier



### 商業出版社の真の脅威

48 · In Oldenburg's Long Shadow

The strength of large commercial publishers does not stop there. We shall meet them again in their attempts to counteract newer forms of publishing that threaten their monopoly. However, even before we do this, I would like to introduce the notion of panoptic vision. Since Michel Foucault's famous book on prisons, 43 we pay more attention to Bentham's panoptic architectural structure which was incorporated into the design of prisons in the early 19th century. Not only is such a structure endowed with a strong surveillance capacity, but, in turn, it induces new kinds of knowledge. It is as if Bacon's aphorism had been translated into stone: knowledge can be power exactly as power can generate knowledge.

That publishers own a panoptic site with regard to site licensing negotiations is obvious. Through dozens of negotiations and almost as many deals with various libraries and consortia, publishers acquire a rich stock of experience, elements of comparisons and so on that amount to occupying the center of a powerful panoptic site. And they make good use of it. But they also own another panoptic site that appears even more important—that provided by usage statistics. Scientometrics specialists would die to lay their hands on such figures; governmental planners also. With usage statistics you move faster and stand closer to the realities of research than with citations. Usage statistics can be elaborated into interesting science indicators of this or that, for example how well a research project is proceeding on a line that might prepare the designing of new drugs or new materials. The strategic possibilities of such knowledge are simply immense. They resemble the marketing possibilities emerging from the study of consumer habits and profiles.

It is somewhat disquieting to note that such powerful tools are being monopolized by private interests and it is also disquieting to imagine that the same private interests can monitor, measure, perhaps predict. They can probably influence investment strategies or national science policies. In short they could develop a secondary market of meta-science studies that would bear great analogies with intelligence gathering. Is that the role of publishers?

Compared to the widely advertised "Echelon"# project of global communication surveillance, I find this second panoptic site much more threatening: it deals with cutting edge, fundamental knowledge and publishers are presently unaccountable for it. It is, after all, their database. In short, the movement toward the privatization of databanks of fundamental science that has coincided with the digitization of commercial scientific journals is opening untold new opportunities for the Elseviers of the world. It would be surprising to discover that Elsevier has not thought about such perspectives, and, as we shall see in the

- 出版社は、科学計量学的なデータを占有 することができる。
- それにより、大学の研究戦略や国の科学 政策を操ることも可能となる。

Jean-Claud Guedon. In Oldenburg's Long Shadow. ARL, 2001. pp. 48-49.

http://www.arl.org/storage/documents/publications/in-oldenburgs-long-shadow.pdf

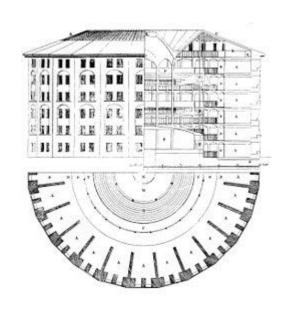
大規模商業出版社の寡占の真の脅威は、 出版社がパノプティコンを持つこと。

<sup>45</sup> Michel Foucault, Discipline and Punish: The Birth of the Prison, Tr. by Alan Sheridan (New

York: Pantheon Books, 1977). French original, 1975.

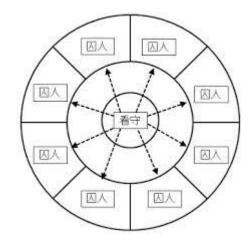
\*\*See, for example, <a href="http://www.echelonwatch.org/">http://www.echelonwatch.org/</a>, a site organized by the ACLU in the U.S.

### パノプティコン (ベンサム)





抄録・引用文献データベース 電子ラボノート プレプリントサーバ 研究者SNS・文献管理ツール ジャーナルパッケージ 研究分析ツール CRIS(業績データベース)



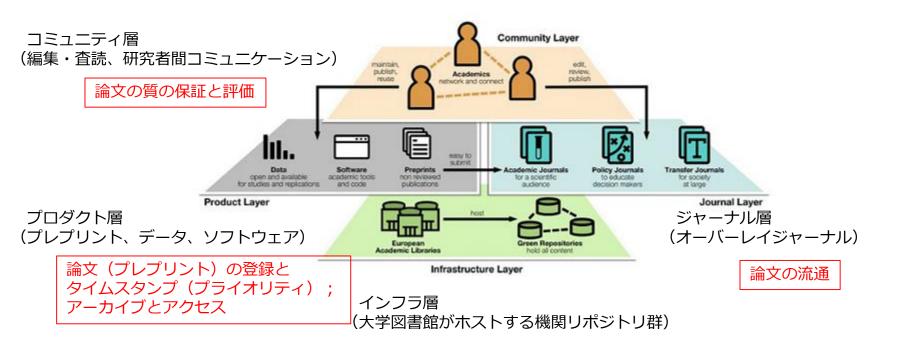
## 全展望監視システムの完成

#### OAを超えて

- OAを実現できたとしても、学術コミュニケーション(学術情報流通)の主導権を商業出版社に握られたままでは意味がない。
- 誰がコントロールするのか、学術コミュニティ自らか、 それとも商業出版社に依存するのか?それが究極の問題 だ。
- SPARCの当初の理念である「Returning Science to Scientist」がOAを超えた学術コミュニティの使命ではないか。

#### European Open Access Platform

商業出版社の学術誌システムから完全に独立した オープンアクセス出版流通プラットフォーム



http://blogs.lse.ac.uk/impactofsocialsciences/2017/04/10/rather-than-simply-moving-from-paying-to-read-to-paying-to-publish-its-time-for-a-european-open-access-platform/

### ECOOpen Research Publishing Platform

- ECはOpen Research Publishing Platformへの出資を提案 https://ec.europa.eu/research/openscience/pdf/information\_not e\_platform\_public.pdf#view=fit&pagemode=none
- Horizon2020の助成を受けた研究の査読済み論文とプレプリントのオープンアクセス出版のためのプラットフォーム
- 4年間で640万ユーロを投資
- ウェルカム財団やビル&メリンダ・ゲイツ財団の先 例を参考にし、それをさらに発展させる

### Wellcome Open Researchの出版プロセス

#### The Publishing Process

#### SUBMISSION



Submit your article and data You suggest referees

#### PUBLICATION



Tell your colleagues your article is published



Publish new article versions: linked and independently citable

#### OPEN PEER REVIEW AND REVISION



Pass peer review, get PubMed ID and increase visibility

DISSEMINATION





Pre-publication checks for adherence to policies + typesetting: 7 days





Publish article and source data; label 'awaiting peer review'













Check author-suggested expert referees for suitability and invite. Publish referee reports and names alongside article.



Index in bibliographic databases

F1000が運営

https://wellcomeopenresearch.org/about

商業出版社に依存せずに、学術コミュニティが主体的に、新しいエコシステムを創り出すことができるか?