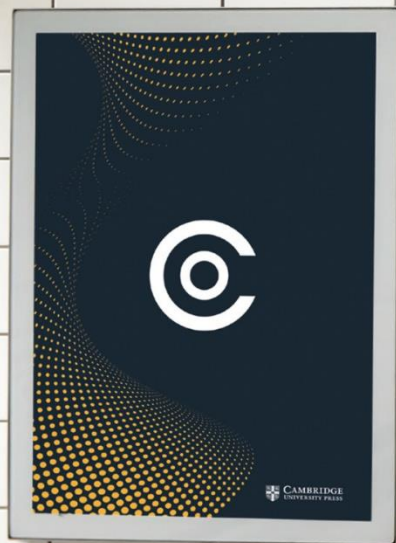


擁抱開放研究 – 劍橋閱讀與出版轉換協議

May 2021

James Pan



Co@CERT

Agenda

CUP近期的動態

開放獲取期刊

支持早期科研

開放數據

閱讀與出版轉換



Our starting points 我們的出發點

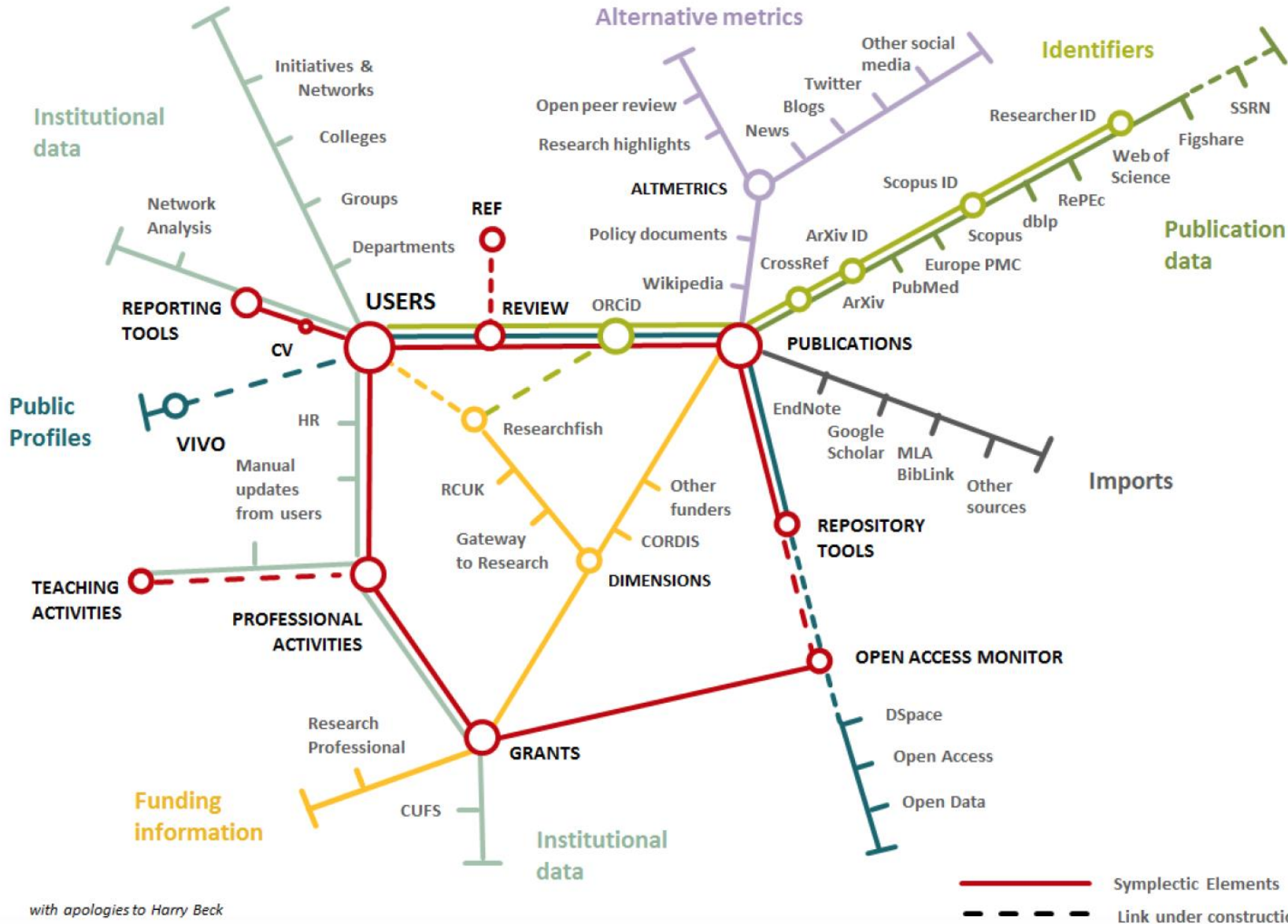
Metrics to demonstrate quality
衡量質量的指標

Increasing impact
不斷提升影響力

Making research more open and accessible
使研究成果更加開放 更易獲取



Mind the Map (of Research Information)



Presented by Juergen Wastl at the 3rd North American Symplectic user conference (Boston, MA, 11th August 2015).

由Juergen Wastl 提出 (2015年8月11日)。

The map, based on the London Tube map by Harry Beck, combines all elements and aspects of Research Information as provided by the Research Information team at the University of Cambridge

以Harry Beck的倫敦地鐵地圖為基礎，結合了劍橋大學研究信息團隊所提供的研究信息相關所有元素和各個方面。

(<http://www.research-information.admin.cam.ac.uk/>)

From our recent North American Library Advisory Board 新成立的劍橋·北美圖書館顧問委員會研討成果分享

- **Greater visibility of research output** and related funding being demanded by university leadership to promote the university and for monitoring
大學領導層要求提升研究成果和相關經費的可見度，以促進大學的發展與監督
- **Push for greater analytics and metadata to prove impact of faculty publications at individual level not by publication** (including Altmetrics, usage and more)
推動數據分析和元數據進一步發展，以證明學者出版的研究成果在個人（單篇文章）層面上的影響力，而非出版物的影響力
- **Faculty also can use this greater visibility to help with their own self-promotion and impact.** Also reduces their administrative burden.
學者也可通過（開放獲取帶來的）更廣泛的知名度來幫助提升自己的學術聲譽和影響力，同時也減輕了他們的行政負擔
- **Some institutions seeing improved investment in systems to better record faculty publications** (including adding ORCID IDs) to boost rankings, attract research funding, graduate students, and postdoc researchers.
一些機構加大在系統方面的投資力度，以更好地記錄所屬機構研究人員的學術產出（包括添加ORCID ID），從而提升機構綜合排名，吸引研究經費、研究生和博士後研究人員
- **ROI and attributing funding and authorship becoming more important when considering OA publishing**
當考慮開放獲取出版時，投入產出比、歸因經費以及作者署名變得越來越重要

Application and impact

應用與影響

- A recent survey conducted by Cambridge with over 1,200 HSS researchers revealed that impact and application to policy decisions and dissemination were important but not effectively met
劍橋最近對1200多名HSS研究人員進行的一項調查顯示，對政策決策和傳播的影響與應用十分重要，但未得到有效滿足
- 43% indicate that their research does not easily apply to policy decisions
- Only 29% indicated that have no problem engaging with policymakers
- 78% of respondents are interested in greater outreach to the public
- 39% agreed that they are under pressure from their institution to deliver impact
- Importance of impact and measurability
- Problems with the existing publishing system
- Collaboration needs

ORCID: Driving uptake & engaging with the community

ORCID: 促進學術社群的使用與參與

The screenshot shows a Trello board for 'ORCID Product Roadmap'. At the top, it is marked as 'Public' and has 24 members. The board is divided into four columns: 'ABOUT THIS BOARD', 'EPICs', 'Scheduled for development', and 'Enhancements'.
1. 'ABOUT THIS BOARD': Contains a diagram showing 'Strategy', 'Engagement', 'Comms', 'Technology', and 'Bugs' all pointing to a 'Product Roadmap' box, which then points to 'Current Development'. Below the diagram is the text: 'The Product Roadmap contains requirements we have committed to implementing. Cards move from here to current development.'
2. 'EPICs': Features a sequence diagram for 'Assertion Service' involving 'Record Owner', 'User Service', 'Admin Service', and 'ORCID Member (Admin)'. The diagram includes steps like 'Admin Service emails record owner', 'Logs user click', 'User Service pushes [id token, email, orcid]', 'Admin authenticates', 'Admin uploads date', 'Admin downloads report', 'ORCID auth presents login', 'Record owner grants permission', 'User service links to ORCID auth with MEMBER client id', 'ORCID UI returns id token', 'Admin Service exchanges tokens using ORCID client id', and 'Admin Service PUTs/POSTs affiliations'. Below the diagram is the title 'EPIC: ORCID Data manager (Assertion tool)'.
3. 'Scheduled for development': Contains two cards. The top card is 'Remove website URL validation from QA/Sandbox' with 3 notifications. The bottom card is 'Add contributor roles to API based on CRediT Contributor Roles Taxonomy' with 5 notifications.
4. 'Enhancements': Contains two cards. The top card is 'Stop sending notifications when no updates to the item has actually been made' with 5 notifications. The bottom card is '[HIDDEN] Trial very simple embedded schema.org on public pages (5)' with 5 notifications.
At the bottom of the board, there is a note: 'THIS IS A PUBLIC BOARD - PLEASE NOTE THAT IT IS SUBJECT TO CHANGE'.

DORA & CRediT

《舊金山科研評價宣言》與貢獻者角色分類

- We coordinated with the University of Cambridge to sign DORA together and support merit-based evaluation of researchers' work
我們與劍橋大學協作簽署了DORA，支持對研究人員的工作進行擇優評估
- We are expanding article-level metrics to showcase a richer view of researchers' work and its impact
我們正在擴展論文層面的指標，以便更全面地展示研究人員的工作及其影響
- Implementing CRediT is also part of our commitment to DORA, to better highlight individual researchers' work
實行CRediT也是我們對DORA所做承諾的一部分，以更好地突出研究人員的個人貢獻

Open Access: A definition

Making scholarly research permanently available online to view without restriction

- *“free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose...”* (Budapest Open Access Initiative, 2002)

Open Access in Journals 開放獲取期刊

GOLD 金色

- Final version under licensing that allows free access and redistribution, re-use in new or derivative works
- Creative Commons : CC-BY (unrestricted re-use with attribution) and –NC and –ND variants
- Often accompanied by an Article Processing Charge (APC), which covers cost of article publishing (peer review, production, hosting etc) and can vary, but there are usually with waivers for developing world countries
- An alternative to subscription models of publishing

GREEN 綠色

- Version of a work made freely accessible in an institutional or subject repository
- Typically, a non-final version: the submitted or accepted (peer reviewed) manuscript, after an embargo
- Compatible with subscription models of publishing

HYBRID 混合 refers to subscription journals that provide the option of Gold OA, with payment of APC

Open Access in Journals 開放獲取期刊

Black OA 黑色

Illegal, or “black open access”, provides access to a large part of the pay-walled article output which cannot be found in repositories.

Source: **Gold, green, and black open access**

- [Bo-Christer Björk](#)
- First published: 07 February 2017



What we are doing...

- **Converting subscription journals to open access.** 期刊轉換 we flipped 4 titles to open access (*Epidemiology & Infection*, *Primary Healthcare Research & Development*, *Netherlands Journal of Geosciences*, *Genetics Research*), with more to come.
- **Launching innovative open access journals across subject areas.** 新刊 we launched *Evolutionary Human Sciences*, *Data and Policy*, *Data-centric Engineering*, *Wearable Technologies*, *Gut Microbiome and Experimental Results*, with many more titles actively in development.
- **Developing and growing our existing journals to encourage authors to uptake OA.** 鼓勵學者轉向OA
- **Partnering with societies and other organisations to publish high quality OA titles that serve specific communities.** 合作夥伴的協作



Challenges to OA Transition in Asia

亞洲OA轉換面臨的挑戰

- **Policies:** no government mandate like in Europe (Plan S) 政策
- **Funding management:** Open Research publishing process will be managed by the library however currently most research funding is managed at different divisions in the universities 科研經費的管理
- **Author awareness:** most author do not see the value of Open Access 學者積極性

Benefits of publishing Open Access 開放出版的效益

- **Visibility:** Articles are freely available online immediately upon publication, giving the potential for increased exposure and dissemination. 顯現度
- **Accessibility:** Gold open access allows all readers with internet access around the world to access published research without having to pay for a subscription. 無訪問限制
- **Quality:** All submissions will be fully peer-reviewed, with acceptance decisions being made by an international Editorial Board independently of the Publisher. 質量的保證
- **Global impact:** Anyone can benefit from the output of research which can help to drive innovation and lead to new discoveries. 全球的影響
- **Funder compliance:** Many funders are now mandating for research to be published via OA. 合規性

Benefits of publishing Open Access



VISIBILITY

Articles are freely available online immediately upon publication, giving the potential for increased exposure and dissemination.



ACCESSIBILITY

Gold open access allows all readers with internet access around the world to access published research without having to pay for a subscription.



QUALITY

All submissions will be fully peer-reviewed, with acceptance decisions being made by an international Editorial Board independently of the Publisher.



GLOBAL IMPACT

Anyone can benefit from the output of research which can help to drive innovation and lead to new discoveries.



FUNDER COMPLIANCE

Many funders are now mandating for research to be published via Open Access.

Our position on Green Open Access (OA)

劍橋對綠色OA的立場

- Green (OA) depends upon subscription revenue.
- As more content becomes Green OA, and becomes more discoverable, Green OA will put subscription revenues at risk.
- Green OA cannot therefore sustainably support the large-scale transformation to open research.
- Green OA will continue to play a useful role during the open research transformation.

Green OA and social sharing for journals

綠色OA期刊指南

	Personal web page	Departmental or institutional repository	Non-commercial subject repository	Commercial repository or social sharing site
Preprint Submitted Manuscript	Anywhere at any time	Anywhere at any time	Anywhere at any time	Anywhere at any time
Accepted Manuscript	On acceptance	STM: 6 months after publication HSS: on acceptance	STM: 6 months after publication HSS: on acceptance	Abstract only plus link to Cambridge site
Final published version (Version of Record)	Abstract only plus link to Cambridge site	Abstract only plus link to Cambridge site	Abstract only plus link to Cambridge site	Abstract only plus link to Cambridge site

Some journals have different, more liberal, policies.

See www.cambridge.org/core/services/open-access-policies/open-access-journals/green-open-access-policy-for-journals

Green OA and social sharing for monographs

綠色OA圖書指南

	Personal web page	Departmental or institutional repository	Non-commercial subject repository	Commercial repository or social sharing site
Preprint Submitted Manuscript	Anywhere at any time	Anywhere at any time	Anywhere at any time	Anywhere at any time
Accepted Manuscript	One chapter, six months after publication	One chapter, six months after publication	One chapter, six months after publication	One chapter, six months after publication
Final published version (Version of Record)	One chapter, six months after publication	One chapter, six months after publication	One chapter, six months after publication	One chapter, six months after publication

This policy does not apply to other types of books such as textbooks and reference works.

See www.cambridge.org/core/services/open-access-policies/open-access-books/green-open-access-policy-for-books

Preprints and theses 預印本及論文

We allow authors to submit articles that have previously been posted as preprints.

We consider theses and dissertations to be preprints.

Other rights we grant authors... 作者的其他權利

Authors can often re-use their work in new, future works without our permission: 無需授權

- A single chapter (not exceeding 20% of their work) 個別章節 (不超過總體的20%)
- Journal articles 期刊文章

For more information, see: www.cambridge.org/about-us/rights-permissions/faqs

Open Engage 早期科研平台

The screenshot shows the Cambridge Open Engage website homepage. At the top, there is a navigation bar with the Engage logo and links for 'HOW TO SUBMIT', 'BROWSE', 'EVENTS', and 'ABOUT'. On the right side of the navigation bar, there is a search bar with the text 'Search Cambridge...' and a 'LOG IN' button. The main header features the Cambridge Open Engage logo and the tagline 'The collaborative site to upload, share and advance your research'. Below this, there is a green banner with the text 'info View all COVID-19 related content [here](#). Content on Cambridge Open Engage is early research and has not been peer reviewed prior to posting.' A search bar with the text 'Search Cambridge Open Engage' and a 'search' button is positioned above an 'UPLOAD CONTENT' button. The main body of the page contains a paragraph describing the platform: 'Cambridge Open Engage is the new early content platform from Cambridge University Press, designed to provide researchers with the space and resources to connect and collaborate with their communities, and rapidly disseminate early research. It is free to upload and read content.' Below this, there are three columns of benefits, each with a title and a list of points marked with checkmarks: 'Benefits for researchers' (Explore Cambridge Open Engage to: Find new peers working in your areas of interest, Discover early and non-traditional OA research, See new versions of research as it changes over time), 'Benefits for authors' (Publish your pre-publication research on Cambridge Open Engage and benefit from: Rapidly disseminate early research, Develop and share research with peers, Get analytics on early research outputs, Build an audience for research before formal publication), and 'Benefits for partners' (Societies, conferences, funders and research partners can partner with Cambridge Open Engage to: Gain insights into trends and growth areas within areas of research focus, Add to value proposition for members/faculty, Get analytics across a range of early and open research outputs within their organization).

Open Engage

Cambridge Open Engage 一個早期和開放的研究平台，在這裡學術社區的成員可以發佈預印本，工作論文，海報，報告，會議論文和伴隨的補充材料，就研究內容和國內為同行進行充分交流

- Cambridge Open Engage 可為各類機構開闢專屬託管空間，研究人員可直接提交內容
- 提交和閱讀內容均為免費，各學科均可接受
- 內容在發佈前會被審核，但不會被同行評審

Open Engage

Browse Subjects

Anthropology

1

Discover early research outputs such as working papers, posters and presentations in Anthropology.

Archaeology

Discover early research outputs such as working papers, posters and presentations in Archaeology.

Area Studies

4

Discover early research outputs such as working papers, posters and presentations in Area Studies.

Art

5

Discover early research outputs such as working papers, posters and presentations in Art.

Chemistry

Discover early research outputs such as working papers, posters and presentations in Chemistry.

Classical Studies

1

Discover early research outputs such as working papers, posters and presentations in Classical Studies.

Computer Science

4

Drama and Theatre

Earth and Environmental Sciences

1

Open Engage 優勢

可為機構創建一個
可參與的開放研究
平台

支持和擴展學術會
議協作

吸引更多期刊論文
發表

在研究生命週期的
早期獲取研究內容
的度量和分析

研究成果的快速傳
播

發佈的研究是可引
用的，並可收集同
行反饋

內容被編入
Google Scholar和
其他搜索殷勤，為
研究人員尋找內容

通常不會被發表的
作品（如海報、演
講）在學術記錄中
佔有一席之地

Open Engage - ChemRxiv

25 February 2021

Chemistry preprint server ChemRxiv™ to be hosted on Cambridge University Press' Open Engage platform

New Partners

ChemRxiv™

&

 **Cambridge
Open Engage**

ChemRxiv, the premier preprint server for the chemical sciences, will be hosted through the Cambridge Open Engage platform, beginning in the second quarter of this year.

Authors posting to ChemRxiv will benefit from an improved experience and will still be able to submit their preprints directly from ChemRxiv to all partner journals published by the American Chemical Society (ACS), Chinese Chemical Society, Chemical Society of Japan, German Chemical Society (GDCh) and Royal Society of Chemistry.

Open Engage



6 Reasons to Engage with Early Research

What's changed in the last 5 years?

Number of preprints has

increased by **102%**

Top 10 Subject Areas



Chemical Sciences



Biological Sciences



Commerce, Management, Tourism and Services



Psychology and Cognitive Sciences



Economics



Mathematical Sciences



Engineering Biological Sciences



Physical Sciences



Information and Computing Sciences



Medical and Health Sciences



Top 10 Funders

National Institute of Mental Health (NIMH)	National Natural Science Foundation of China (NSFC)	European Commission (EC)	Medical Research Council (MRC)	European Research Council (ERC)
National Institute of General Medical Sciences (NIGMS)	German Research Foundation (DFG)	National Cancer Institute (NCI)	Wellcome Trust (WT)	Directorate for Biological Sciences (NSF BIO)

Source: Dimensions and Altmetric 2015-2019

Find out how your organisation can partner with **Cambridge Open Engage**

cambridge.org/partners/engage



Open data 開放數據

What is open data?

Data that is available to as many people as possible, which can be analysed, re-used and redistributed as freely as possible 數據可免費的被最多的人訪問，分析，再利用和分發

More specifically people should be able to:

FIND the data. Through direct links to permanent identifiers (PIDs), filtering metadata, searching relevant repositories, etc. 查找

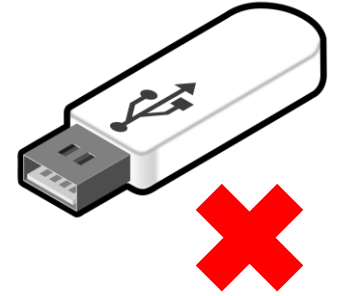
ACCESS the data. By using standard protocols (HTTP, FTP, etc.) without undue barriers. 訪問

INTEGRATE it with other data. Using standard formats, clear documentation, links to other relevant data. 整合

RE-USE the data. With legal clarity and without undue restrictions. 再利用

Data must be sensibly structured, well-described by metadata that includes re-use terms, and permanently available at an identified location

This isn't just about quantitative data!



FAIR ✓

Press commitments to open data

劍橋大學出版社對開放數據的立場

- Take responsibility for the openness and integrity of data that underpins our publications 對出版物中涉及的數據之開放性和完整性負責
- Work with communities to support and develop new ways to unlock the value of data as a first class research object 加強合作以挖掘數據的價值

Text & Data Mining

文本與數據挖掘

- Our Librarian Advisory Boards have asked for support and clarity around rights for researchers in this area. We believe machine analysis is a powerful new research technology and an important part of the open research landscape.
我們的圖書館顧問委員會已提出要求，支持並明確研究人員在文本與數據挖掘領域的權利。我們認為機器分析是一種強大的新研究技術，也是開放研究領域的一個重要組成部分。
- We have updated our TDM policy to better align with community views and support researchers' rights to carry out machine analyses.
我們已更新了文本與數據挖掘(TDM)政策，以確保與學術社群的觀點保持一致，並對研究人員進行機器分析的權利予以支持。
- API under consideration for development to: a) facilitate researchers' access to content for machine analysis b) provide external users ability to query metadata from our publishing output (books and journals) and download it in a variety of formats and c) allow licensed external users to download full text for Green OA.
我們正在考慮開發API

What we're doing now

- Working with journals to implement transparency policies
- Encouraging authors to share data and other materials
- Developing guidance and support for data sharing and citation (researchdata@cambridge.org)
- Collaborating with Code Ocean and Dataverse to publish code and data
- Improving the FAIRness of our supplementary materials
- Increased support for text and data mining (openresearch@cambridge.org)
- Active contributions to community initiatives (RDA, QDR...)



Organizations and initiatives we support... 已經支持



Read & Publish 閱讀與出版轉換

What is Read and Publish?

Read and Publish deals provide an opportunity for institutions to transform their publishing output to Open Access in a sustainable manner. 從傳統的訂閱模式轉變為閱讀和出版模式



Read: Participating institutions are granted subscription access to journals included in their collection.

閱讀模式：訪問期刊



Publish: Corresponding authors at participating institutions are eligible for an APC discount or waiver when publishing in hybrid and/or Gold OA journals.

出版模式：合格的通訊作者獲得APC優惠或減免，以在混合或金色期刊上發表文章




Read and Publish with Cambridge

We work closely with you to develop an agreement tailored to your publishing profile

閱讀和出版模式的效益

Benefits for libraries



-  Sustainably converts institutional publishing to Gold OA
-  Gold OA titles included to maximise author choice
-  Commitment to close collaboration with our customers to enhance workflows and processes



Benefits for authors



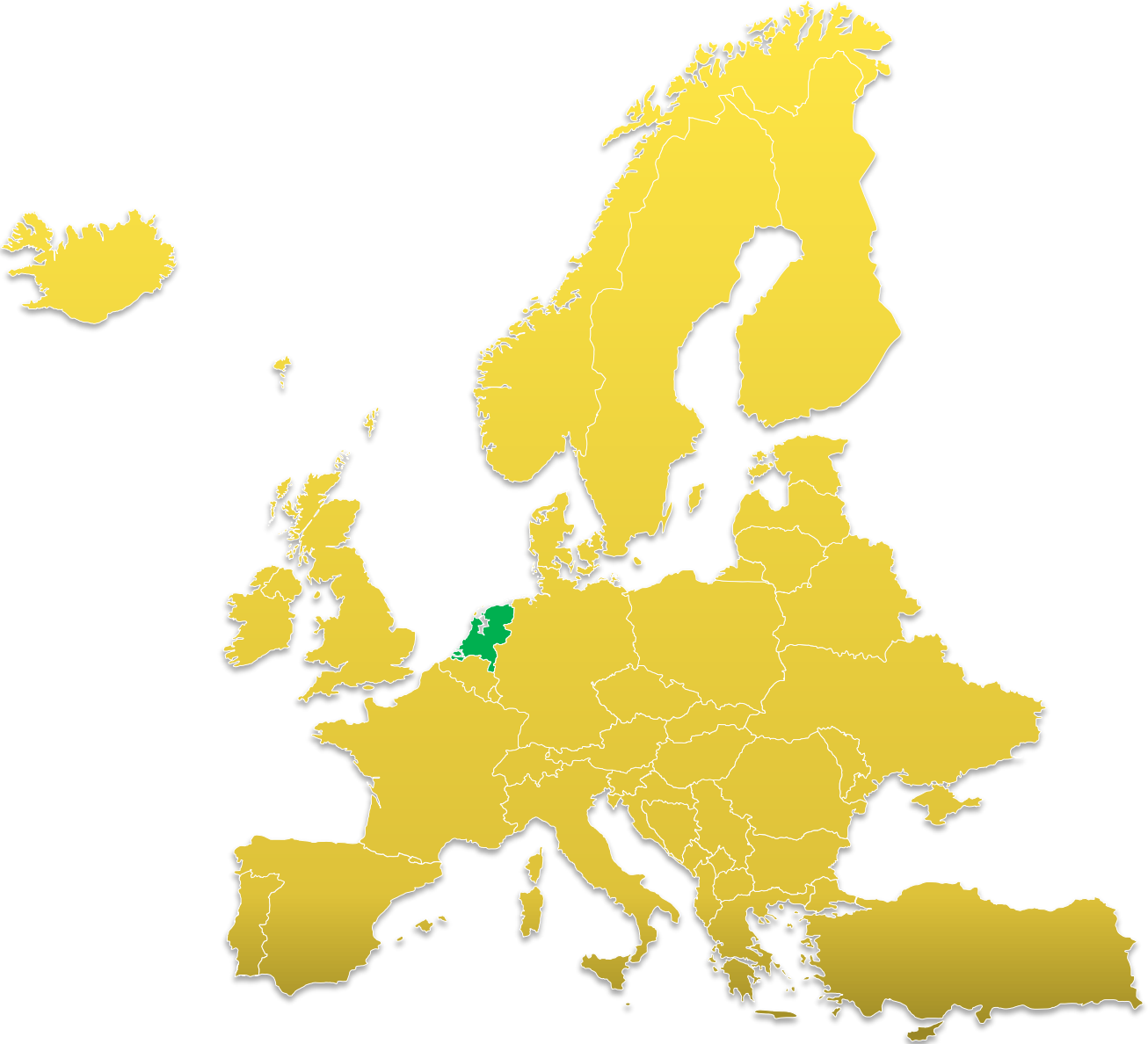
-  Multiple options for publishing **Open Access** in high quality, peer-reviewed journals
-  Meet funding requirements and receive article processing fee support
-  Broaden visibility and further dissemination of research
-  Increase citations and usage



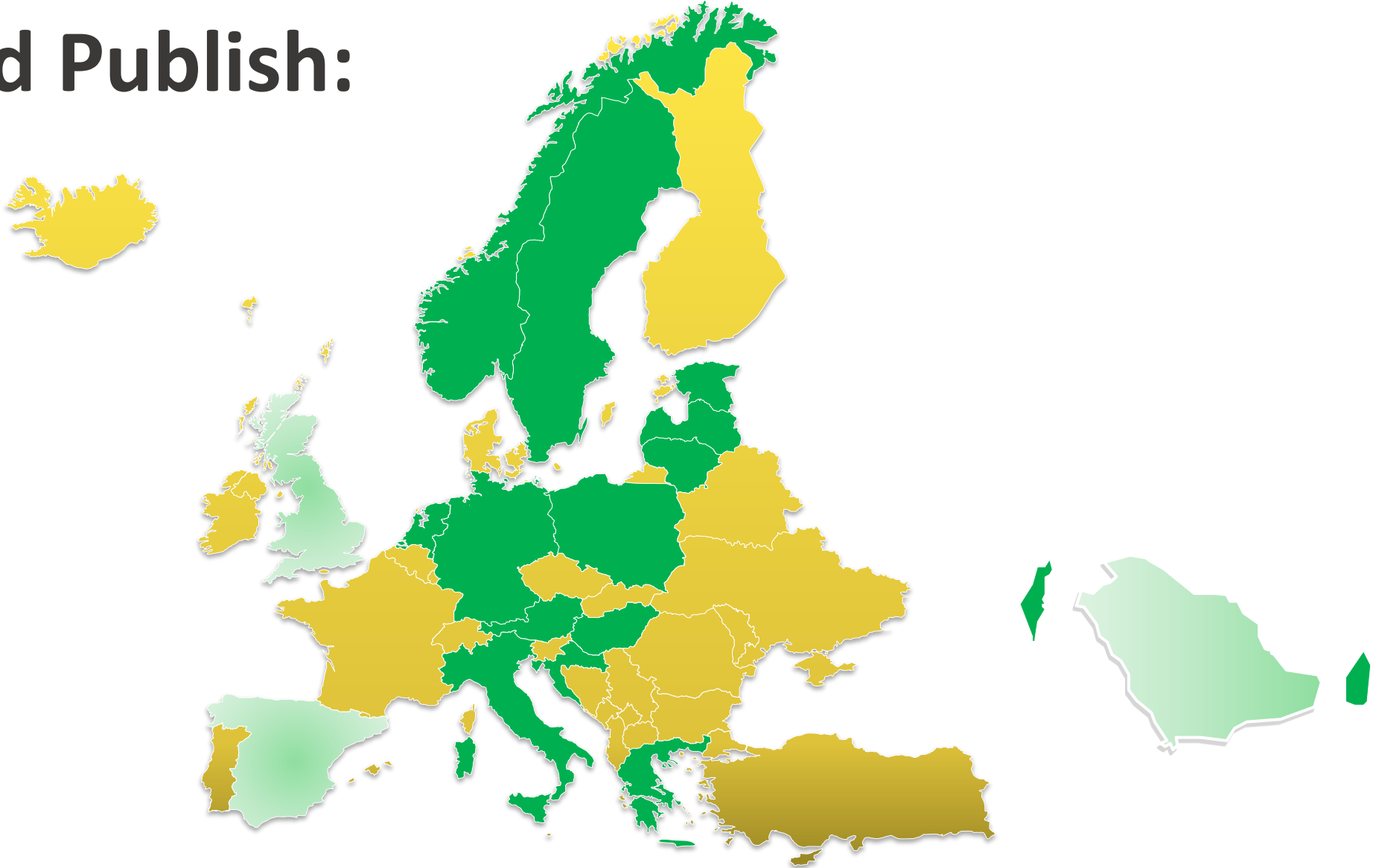
Our position on Plan S 劍橋對於s計劃的立場

- We are committed to the transformation to open research.
- We support all forms of open research publishing that are sustainable.
- The needs of different communities (disciplines and geographical regions) must be taken into account during the transformation.
- In this context, Plan S provides welcome impetus to the open research transformation.
- During the transformation, we are focusing on Gold Open Access through Read and Publish agreements. Green Open Access will continue to have a role during the transition.

Read and Publish: 2017 & 2018



Read and Publish: 2020



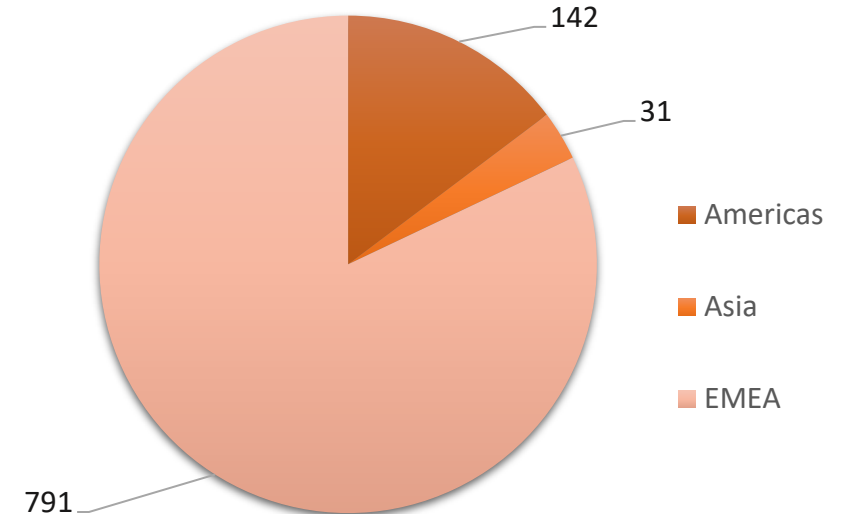
Transformative Agreements in 2021

2021 marks an unprecedented expansion of Read & Publish in the United States for Cambridge University Press

Over 140 US institutions are now participating in Read & Publish in 2021. 美國已有140多所院校加入

Globally, we have **almost 1,000 institutions** covered; 34 national level agreements in the UK, EU and Asia 全球1000多所院校，34個國家協議

20% of our research is now published OA via transformative agreements. We expect to be a major OA journals publisher by 2025. 轉換協議框架下已有20%的文章轉為OA出版



Breakdown of institutions covered by CUP R&P in 2021

Asia R&P Agreement Update 亞洲轉換

日本 – JUSTICE (15)

Ehime University
Kanagawa University
Keio University
Kochi University
Matsuyama University
Meiji University
Osaka University
Ritsumeikan Trust
Saitama University
Showa Women's University
Tokyo Denki University
Tokyo Institute of Technology
Tokyo University of Science
University of Tokyo
Waseda University

新加坡

National University of Singapore

香港 – JULAC (4)

Chinese University of HK
Hong Kong Baptist University
Hong Kong Polytechnic University
Hong Kong University of S&T

台灣 – ConCERT (4)

National Cheng Kung University
National Taiwan University
National Taiwan Normal University
National Tsing Hua University

中國大陸 –

Shanghai Jiaotong University

澳大利亞 – CAUL

印度 – eShodhSindhu

Europe, Middle East and Africa

- [Austria](#)
- [Belgium](#)
- [Botswana](#)
- [Cyprus](#)
- [Czech Republic](#)
- [Estonia](#)
- [France](#)
- [Germany](#)
- [Greece](#)
- [Hungary](#)
- [Hungary](#)
- [Israel](#)
- [Italy](#)
- [Latvia](#)
- [Lithuania](#)
- [Namibia](#)
- [Netherlands](#)
- [Norway](#)
- [Poland](#)
- [Russia](#)
- [Saudi Arabia](#)
- [Serbia](#)

Americas

- [United States](#)

United Kingdom (UK)

- [United Kingdom: University of Cambridge](#)
- [United Kingdom: JISC](#)

Asia

- [Hong Kong](#)
- [India](#)
- [Japan](#)
- [Singapore](#)
- [Taiwan](#)

- Open access policies
- Introduction to open access
- Social sharing
- Open access journals
- Open access books
- Open access Elements
- Open access resources
- Read and publish agreements
- Open access waivers and discounts

Read and Publish agreement with JUSTICE - Japan

The Japan Alliance of University Library Consortia for E-Resources (JUSTICE) has made an agreement with Cambridge University Press to support Open Access publishing.

If you are affiliated with a participating institution, you can **publish your article Open Access (OA) - at no cost to you** - in gold and hybrid journals. In addition, you can enjoy access to [Cambridge University Press journals content](#).

Participating institutions:

- [Click here for a list of all institutions and each institution's chosen journals collection.](#)

To be eligible, articles must:

- Have a corresponding author affiliated with a participating institution as listed above ([click here for corresponding author definition](#)).
- Be original research – eligible article types are research articles, review articles, rapid communications, brief reports and case reports ([click here for definitions](#)).
- Be accepted for publication in a Cambridge University Press journal within your institution’s chosen journals collection as listed above.
- Be accepted for publication between 1 January 2020 and 31 December 2022.

Easily check your eligibility to publish OA under this agreement, and the journals available to you, by using our [OA Waiver & Discount checker tool](#).

Feedback

Our commitments under R&P 我們的承諾

- To effect a real transition which will migrate our list to OA 真正的轉換
- To develop a sustainable model for the future 可持續
- To provide overall cost neutrality 成本控制
- To be transparent on costs, models and margin 透明
- To innovate to support our non-grant-funded communities 創新
- To support Green Archiving 支持綠色存儲

Shared Responsibilities – Us and You 攜手推進

- Engage and motivate faculty and society members 協調院系和學協會
- Support HSS communities with new models 支持人文社科研究
- Support “non-research” article types of value to scholars 支持“非研究”文獻
- Take responsibility for the consumer nations 照顧非學術產出地區
- Data, workflow, funding flow improvements 改進數據 workflow 以及經費管理

