

NAR Labs 國家實驗研究院

「圖書館與研發單位合作新觀點-訪歐研究觀察」

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2020/09/02 @ CONCERT學科館員沙盒計畫工作坊④ - 學術研究永續經營：SDGs與OA之間的契機

關於我

• 學歷

- 國立臺灣大學商學研究所 博士生 [2015 -迄今]
- 國立中興大學科技管理研究所 碩士 [2007-2009]
- 國立中興大學行銷學系 學士 [2003-2007]

• 經歷

- 財團法人國家實驗研究院科技政策研究與資訊中心 助理研究員 [2010 -迄今]
- 荷蘭萊登大學科學研究與技術中心(CWTS) 訪問學者 [2019 /07-迄今]
- 德國柏林研究資訊與品質確認研究所(IFQ) 訪問學者 [2014/10-11]
- 國立中興大學行銷學系國科會計畫 計畫研究助理 [2009/07-11]

關於我

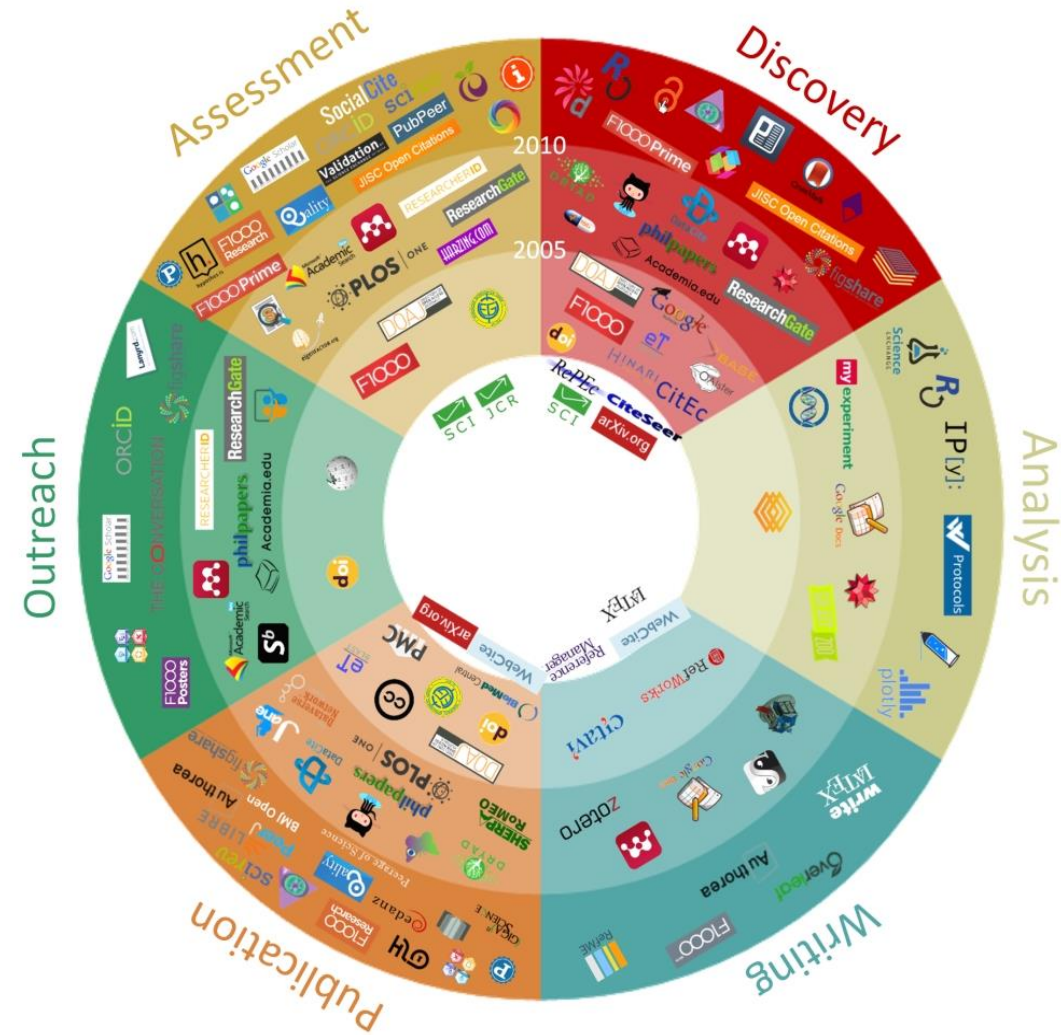
- **研究興趣**

- 書目計量學、學術研究政策、學術傳播
- Funding acknowledgement, open access, peer review, career, funding and awarding mechanism, research excellence, research culture

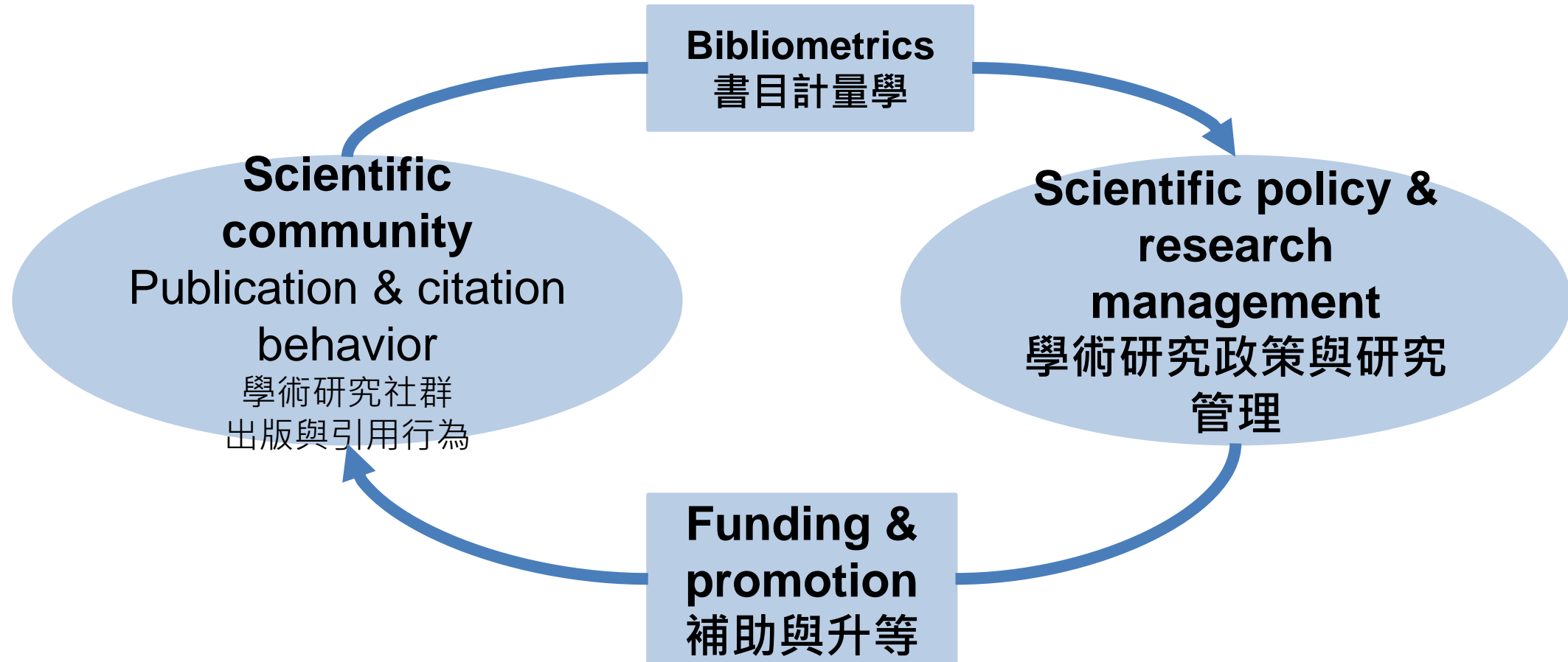
- **近期參與計畫**

- 教育部
 - 高等教育深耕計畫第 2 部分 (全校型計畫及特色領域研究中心計畫) 品質管考專案辦公室
- 科技會報
 - 學研計畫補助與獎勵機制分析研究
- 科技部
 - 全球學術能量與補助政策研析服務
 - 全球學術計量分析服務
 - 學術研究能量資料庫建置及競爭力分析

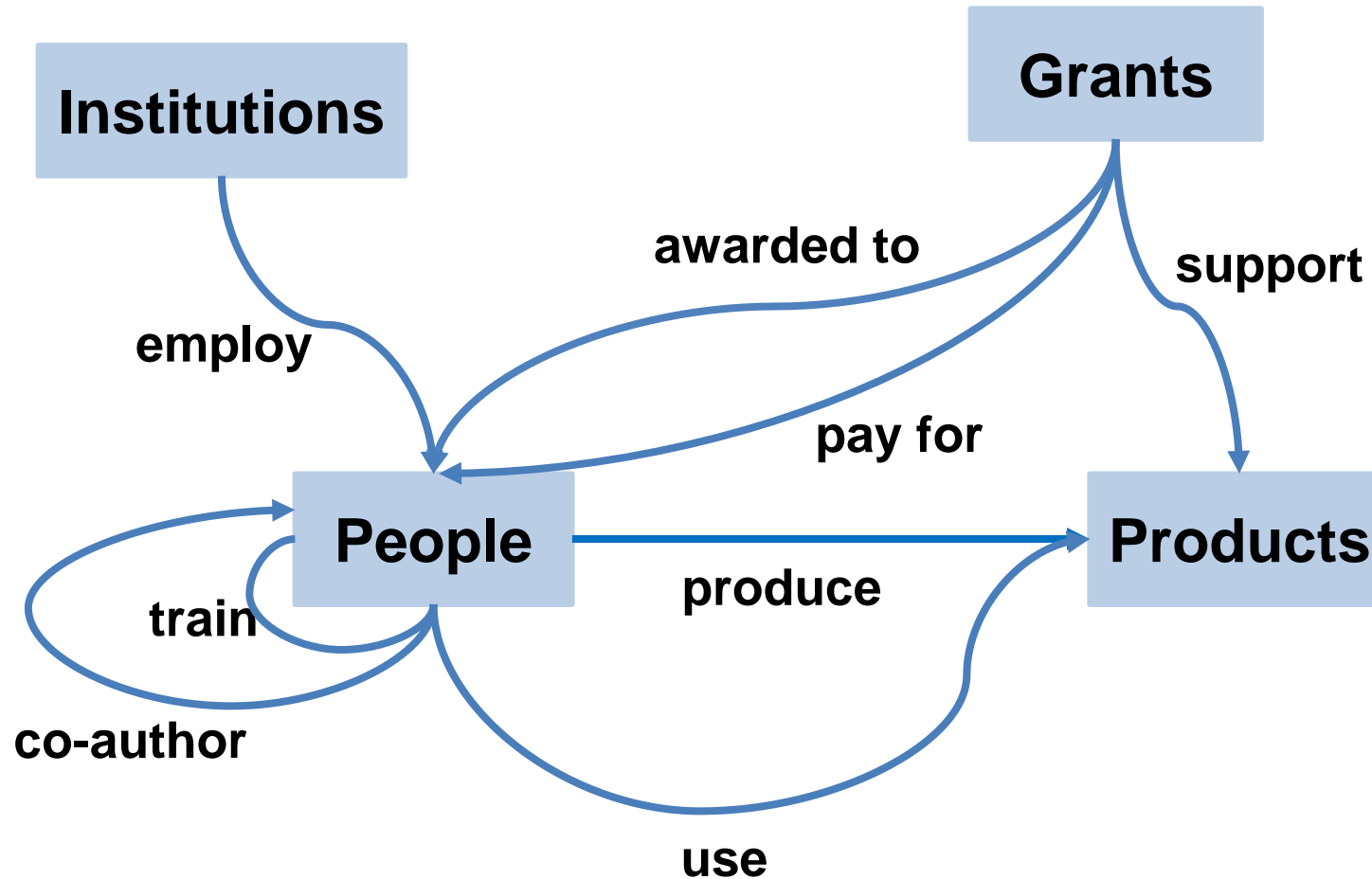
學術傳播 Scholarly communication



書目計量學在學術研究社群中的政策應用範圍



書目計量指標的可發展架構



Source: Ian Forster, University of Chicago.

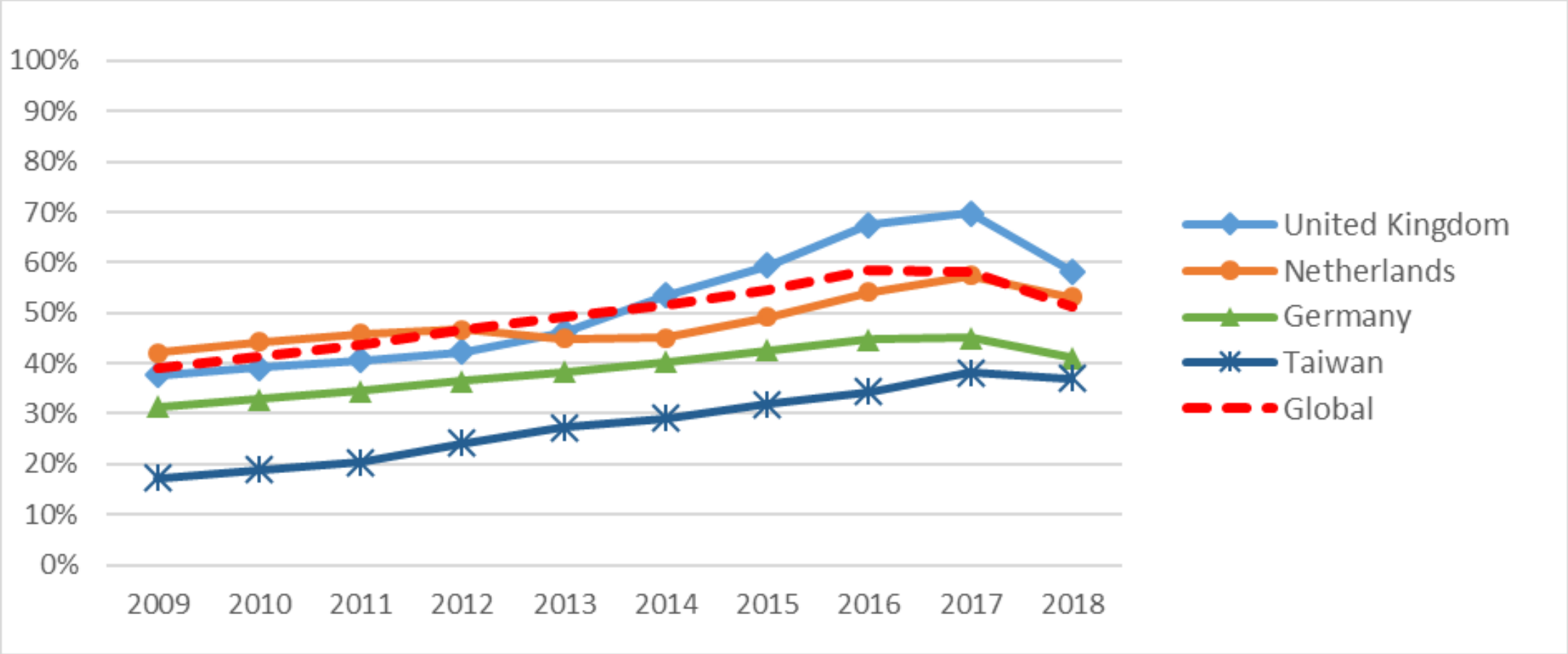
Lane, J., Largent, M., & Rosen, R. (2014). 21 Science Metrics and Science Policy. *Beyond bibliometrics: Harnessing multidimensional indicators of scholarly impact*, 397.

「圖書館與研發單位合作新觀點
-訪歐研究觀察」

今日主題

- 開放取用 **Open Access**
- 負責研究評估 **Responsible Research Evaluation**

主要國家OA出版趨勢

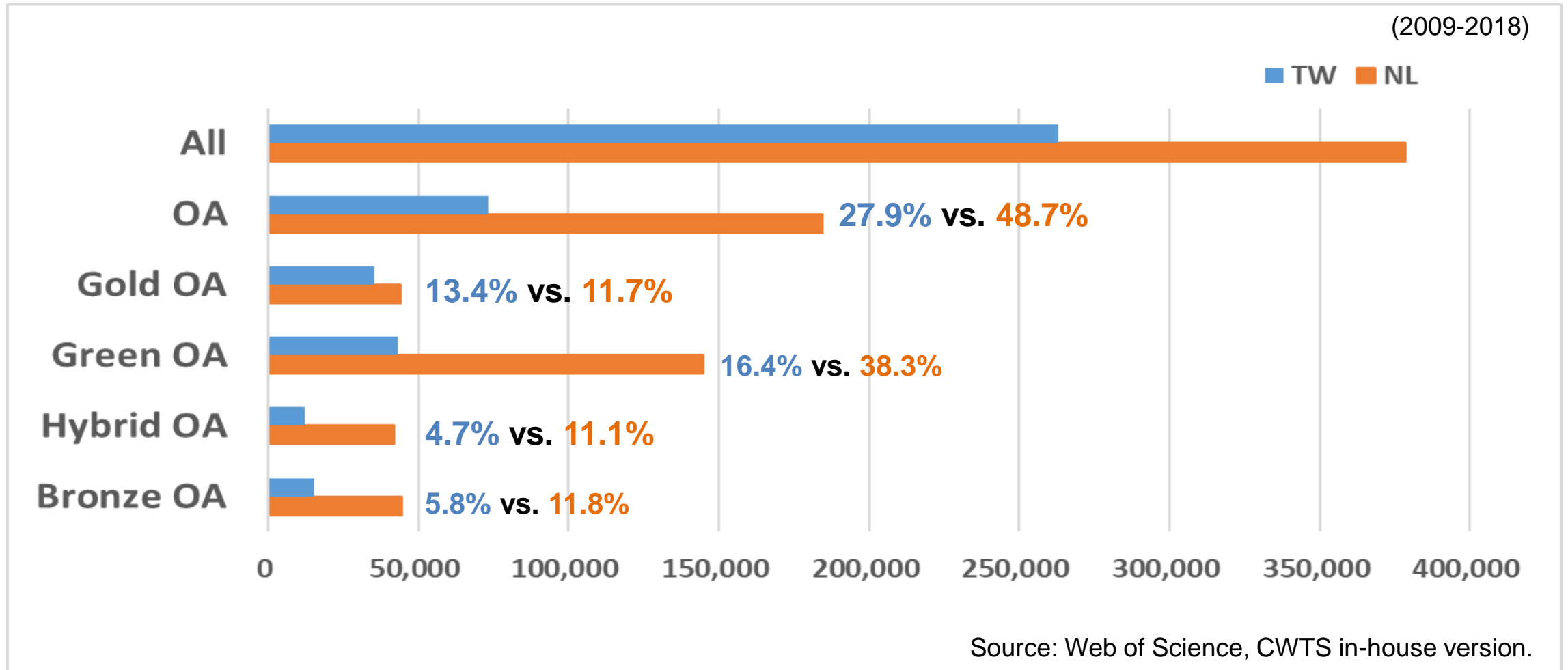




























Source: Web of Science, CWTS in-house version.

OA文章的類型

- **Gold OA**
 - publications in an open access journal
- **Green OA**
 - publications in a journal that are also available in an open access repository
- **Hybrid OA**
 - publications in a subscription journal that are open access.
- **Bronze OA**
 - publications in a journal that are open access without a license

台灣 vs. 荷蘭



	University		P	P(OA)	PP(OA)	
1	Leiden Univ		17327	12222	70.5%	
2	Radboud Univ		17509	11691	66.8%	
3	Univ Groningen		19001	12475	65.7%	
4	Utrecht Univ		23668	15536	65.6%	
5	Univ Amsterdam		24015	15317	63.8%	
6	Vrije Univ Amsterdam		18643	11835	63.5%	
7	Erasmus Univ Rotterdam		16758	10617	63.4%	
8	Eindhoven Univ Technol		6525	4096	62.8%	
9	Maastricht Univ		12305	7560	61.4%	
10	Delft Univ Technol		11725	6945	59.2%	
11	Wageningen Univ & Res		11516	6803	59.1%	
12	Tilburg Univ		2870	1647	57.4%	
13	Univ Twente		6544	3724	56.9%	

The CWTS Leiden Ranking is based on bibliographic data from the Web of Science database of Clarivate Analytics, Philadelphia, PA, USA.

The screenshot shows the Leiden University Library website. At the top, there is a navigation bar with links for 'Leiden University', 'Students', 'Staff members', 'Organisational structure', and 'Library'. Below this is the university logo and a search bar. A secondary navigation bar includes 'Using the Library', 'Search', 'Students', 'Researchers', 'Teachers', 'Special Collections', 'About us', and 'Support us'. The main content area features a large image of a person looking at a computer screen displaying a manuscript. A central white box contains the heading 'Open Access' and a paragraph: 'The Centre for Digital Scholarship is dedicated to support Open Access publishing by means of policy, training, support, and services available to all researchers of Leiden University.' To the right of this box is a 'Catalogue' section with a search bar and a 'Sign in' button. Below the main text is a 'Flowchart How to publish Open Access at Leiden University' with a brief description: 'Open Access provides direct, free and online availability of research output without copyright restrictions by publishers. Open Access increases the visibility of a publication enormously.' To the right of the flowchart is a teal box for the 'Centre for Digital Scholarship' with a link to 'Visit the CDS web page'. At the bottom right, there is a section for 'Open Access experts' featuring a profile for Saskia Woutersen-Windhouwer, Digital Scholarship Librarian. On the left side of the page, there is a sidebar menu under 'Researchers' with 'Open Access' selected, listing various sub-topics like 'Agreements with publishers', 'Publish Open Access in the Leiden Repository', 'Funding', 'Leiden University Open Access Policy', 'Open Access books', 'Data management', 'Use of digital data', 'Copyright Information Office', 'LUCRIS and the Leiden Repository', and 'Submitting your PhD dissertation'.

流程圖

How to publish Open Access at Leiden University

BEFORE SUBMISSION

You want to publish Open Access because it

- Increases the visibility of your research and thereby your impact
- Contributes to the ranking of Leiden University
- Helps you comply with funder requirements

Know your requirements

Check your funder's requirements at

- [NWO](#)
- [H2020](#)
- [ERC](#)

Check the Leiden University policy: Leiden University has an Open Access policy. Briefly, we encourage to follow the gold route and upload the published version to the Leiden Repository. If not possible, follow the green route to upload a version of your manuscript that complies with your journal's policy.

GOLD = Publication is Open Access on the publisher's website

GREEN = Publication is Open Access in a university repository

AT SUBMISSION

Gold and green, how to proceed?

GOLD

Does Leiden University have a deal with the publisher? Check via the Journal Browser at [openaccess.nl](#)

YES NO

Check the submission procedure for your journal via the Journal Browser at [openaccess.nl](#). Are you eligible?

YES NO

Submit using your Leiden University affiliation and email address

GREEN

Check your journal's policy via the Journal Browser at [openaccess.nl](#)

Choose journal at [doaj.org](#). Does the journal have an article processing charge (APC)?

NO YES

Can you pay the charges with your own funds?

YES NO

Can you apply for a waiver? Check with the journal

YES NO

Choose another journal

AFTER ACCEPTANCE

Deposit all your publications

Deposit *all* your publications in the Leiden Repository. Most funders policies require you to, but it's also a mandate of Leiden University.

This is most easily done upon registration in [LUCRIS](#). Is your publication Gold/Green/Not Open Access?

GOLD

Upload the publisher's version.

GREEN

Upload a version according to the publisher's policy on [openaccess.nl](#)

NOT

You can always upload a preprint.

Get an ORCID

via <https://orcid.org> and promote yourself and your publications via Twitter/LinkedIn/ResearchGate other social media of choice.

Contact: OpenAccess@library.leidenuniv.nl



Universiteit
Leiden
Leiden University Libraries



Centre for Digital Scholarship

學校亦提供如何尋找論文PDF檔案的教學

The consortium of university libraries (UKB) provides a useful overview 'how to get to the PDF' to find the articles.

HOW TO GET THE PDF?



updated: February 3rd 2020

Overview of possible alternatives to get a pdf of the full-text of scientific papers. From the use of browser plug-ins, general and specific open access search engines and sources, to even more possibilities. 1/3



FIND ARTICLES USING PLUG-INS

• UNPAYWALL

Get full-text of research papers as you browse, using Unpaywall's index of 25 million legal, open access articles.
For CHROME | Firefox
<http://unpaywall.org/>



• CORE DISCOVERY

One-click access to free copies of research papers whenever you hit the paywall. CORE Discovery helps users to discover freely accessible copies of research papers, out of a dataset of 135 million papers
For CHROME | Firefox
<https://core.ac.uk/services/discovery/>



• GOOGLE SCHOLAR BUTTON

Easy access to Google Scholar from any web page. Find full text on the web or in your university library. Select the title of the paper on the page you're reading, and click the Scholar button to find it.
For CHROME | Firefox | Edge
<https://addons.mozilla.org/nl/firefox/addon/google-scholar-button/>



• KOPERNIO

Get instant notifications of available versions from your library or otherwise. Extra features like a personal Locker, saved articles and more.
For Chrome | Firefox | Opera
<https://kopernio.com/>



• OPEN ACCESS BUTTON

Free, legal research articles and data delivered instantly or automatically requested from authors. You can do this from the website, or install a browser extension/API.
<https://openaccessbutton.org/>



• OPEN ACCESS HELPER

The only extension that works for Mobile (IOS only) and for macOS, designed to help you get easy access to open access articles, makes use of API's from Unpaywall and CORE.
<https://www.otzberg.net/oa-helper/>



SEARCH FOR OPEN ACCESS ARTICLES

與出版社的協議：超過11,000種期刊

Current	Prospective	Archive
Publisher	License and conditions	Deal duration
American Chemical Society (ACS)	All new articles in 57 journals are published open, without costs to the author.	2017-2021
BMJ	Authors of three universities can publish open access in 64 journals of this publisher without any costs.	2019-2021
Brill	Publish without any costs open access in a total of 317 hybrid and full open access Brill journals	2020-2021
Cambridge University Press	Hybrid as well as full open access journals are included in this deal.	2017-2020
Elsevier	No publishing costs for Dutch authors in more than 2200 'hybrid' and full open access journals.	2020-2024
Emerald Publishing group	Vouchers can be used for publication in open access of one article in all journals issued by Emerald. The vouchers are valid for hybrid as well as full open access journals.	2019-2020
IOP Publishing	Corresponding authors of four universities can publish open access without any costs in 42 hybrid journals of this publisher.	2020-2022
IOS Press	Publish open access without any costs in all hybrid and full open access journals from IOS Press.	2019-2021
Karger	No publishing fee in all journals for authors of 10 Dutch universities.	2019-2021
Lippincott Williams & Wilkins LWW	Waiver codes for open access without any costs in more than 200 hybrid LWW journals.	2017-2020
Oxford University Press	The agreement for publishing in open access is put into action for 2019 and 2020 for around 322 hybrid journals of OUP.	2019-2020

Source: <https://www.openaccess.nl/en/in-the-netherlands/publisher-deals>

協議由誰談？



De Vereniging van
Universiteiten
(The Association of Universities
in the Netherlands)
荷蘭大學協會



SPRINGER NATURE



Leiden Repository 萊登大學的機構典藏

Leiden Repository



Leiden University
Repository

Leiden Repository

Leiden Repository consists of a number of repositories for Leiden University and institutes affiliated to the university. They contain both publications by scholars and student theses. Where possible the publications have been made freely accessible (Open Access). The repositories are divided into collections for various domains.
More information on the library's website: [Dutch](#) / [English](#)

Search Leiden Repository

Enter some text in the box below to search Leiden Repository.

[Advanced Search](#)

Communities in Leiden Repository

Select a community to browse its collections.

- Leiden University
- Leiden University Press
- African Studies
- Conference papers
- IIAS
- ISIM
- Leyden Academy
- Other collections



BROWSE

[Leiden Repository](#)

- Communities & Collections
- By Issue Date
- Authors
- Titles
- Keywords

MY ACCOUNT

- Login

HELP

- Ask a Librarian

A service provided by Leiden University Libraries

- **National monitoring in The Netherlands**
- **Local monitoring**
- **Transparent and reproducible monitoring**

Centre for Digital Scholarship provides “Open Access coaching”

- Advices 建議
- Presentations 報告
- Workshops 工作坊

Home > About us > Centre for Digital Scholarship

Centre for Digital Scholarship

The Centre for Digital Scholarship can be reached by email during the period of closure: cds@library.leidenuniv.nl. Researchers can contact the CDS for questions, consultancy, and training on the following topics:

- Copyright Information Office**
For all your queries on copyright
- Use of digital data**
Text/data mining, tools, Virtual Research Environments
- Datamanagement**
Training, advice and instruction
- Open Access**
Publication advice and hands on help
- Events and workshops**
Training, tutorials, workshops
- CDS Projects**
Applications of Digital Scholarship in research

Navigation: Using the Library, Search, Students, Researchers, Teachers, Special Collections, About us, Support us

Search: Books, articles, databases e

Sign in

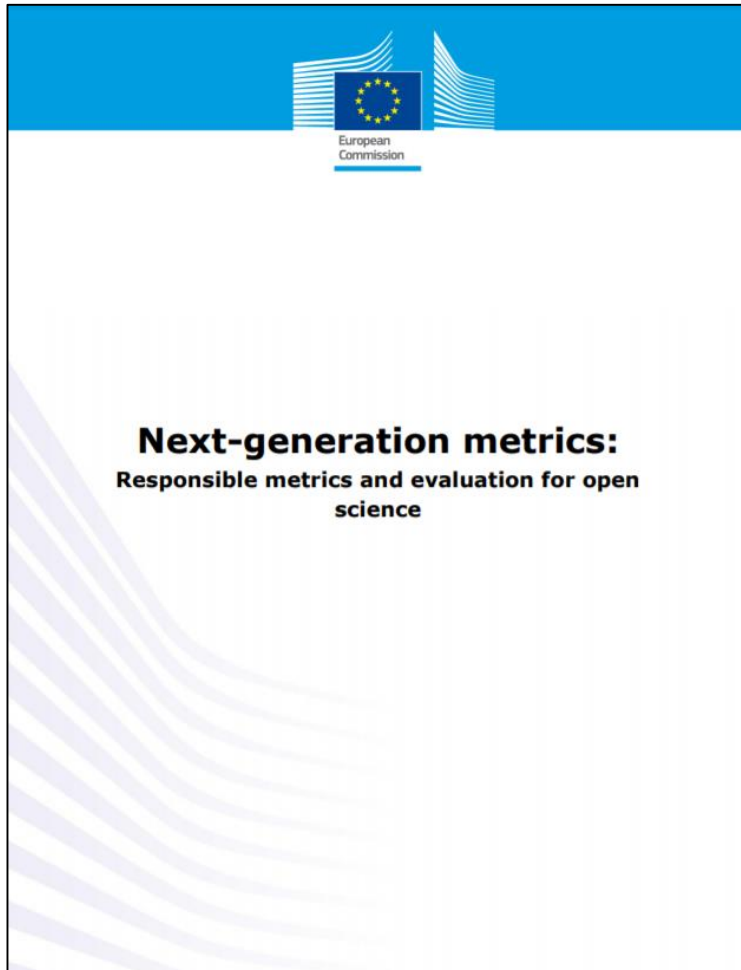
Menu: About us, Library locations, Contact, Library organisation, Mission and objectives, Centre for Digital Scholarship, Collections, Publications, Careers

如果我們開始積極鼓勵OA的實踐， 還有哪些議題需要留意？

- 學界對於OA出版的態度仍有分歧，其中有部分學者甚至認為發表在OA期刊的文章其品質不佳。

“We cannot ignore the fact that 31.2% of researchers think that OA articles are synonymous with low quality research.” (Ruiz-Pérez & Delgado-López-Cózar, 2017)

- 研究品質是研究評估的重要一環，而研究評估的結果又對學者的升遷與獎補助有所連動。
- 換言之，討論OA勢必也要討論研究評估的文化是否需要調整。



1.3 The role of metrics in support of open science

- Metrics can play two roles in support of open science:
- Monitoring the development of the scientific system towards openness at all levels;
- Measuring performance in order to reward improved ways of working at group and individual level.
- These goals require the development of new indicators, as well as prompting the use of existing metrics in a more responsible fashion.
- There have been a number of high profile recent efforts to address these issues, including:
- *The San Francisco Declaration on Research Assessment (DORA)*, which called in 2012 for research to be assessed on its own merits and for ending the use of journal impact factors in funding, hiring and promotion decisions. By January 2017, DORA has over 800 organisational and 12,500 individual signatories;
- *The Leiden Manifesto*, which was published in 2015 by a group of leading scientometricians, and which sets out ten principles for the use of quantitative indicators in research evaluation (Hicks et al., 2015);
- *Science in Transition*, a movement established in 2013 by researchers in the Netherlands, with the aim of tackling systemic problems in research and university culture, which “has become a self-referential system where quality is measured mostly in bibliometric parameters and where societal relevance is undervalued” (Dijstelbloem et al., 2014);
- *The Metric Tide (2015)*: the report of an independent review of the role of metrics in research assessment and management in the UK system, which set out a framework and targeted recommendations for responsible metrics (Wilsdon et al., 2015).
- These initiatives have informed the European Commission’s Expert Group on Altmetrics, which was set up in 2016.²

Topics

- 開放取用 Open Access
- **負責研究評估 Responsible Research Evaluation**

San Francisco Declaration on Research Assessment **NAR Labs** (DORA) 舊金山宣言

- 共18點建議
 - 整體建議
 - 勿使用以期刊為基礎的計量指標（如期刊影響係數）作為判斷單一論文的品質、衡量個人層級的研究表現之依據，或是影響招募、升遷、補助的決定過程。
 - 對補助機構的建議
 - 對研究機構的建議
 - 對出版商的建議
 - 對提供計量指標之組織的建議
 - 對研究者的建議

Leiden Manifesto 萊登宣言

- 量化評估應支援質化評估與專家評量。
- 衡量績效表現需基於機構、團體或研究者的使命。
- 保護與在地相關的卓越研究。
- 數據蒐集與分析的過程應為公開、透明與簡潔。
- 允許被評估者檢驗數據與分析。
- 留意論文發表數量與被引用次數在不同領域上的差異。
- 個人層級的研究評量基礎應是對其研究成果歷程檔案進行質化的判斷。
- 避免錯誤的具體性與虛假的精確性。
- 體認評量和指標所造成的系統性影響。
- 定期審視與更新指標。

Source:

http://www.leidenmanifesto.org/uploads/4/1/6/0/41603901/leiden_manifesto_translated_traditional_chinese_final_20151127.pdf

References:

<https://www.nature.com/news/bibliometrics-the-leiden-manifesto-for-research-metrics-1.17351>

<http://www.leidenmanifesto.org/>

LIS-Bibliometrics 10th anniversary event: The Future of Research Evaluation

(March 2nd 2020, Leeds University, UK)

- The panel:
 - Who? What? When?
How? The practicalities
of implementing
responsible metrics
principles
- Sarah Slowe (University of Kent)
- Steven Vidovic (University of Southampton)
- Karen Desborough (Cardiff University)



Photo credit: Carey Ming-Li Chen

誰參與了responsible research evaluation工作小組的籌組？

- **University Southampton**

- 由圖書館將研究評估議題的問題帶至Research Integrity Governance Committee的面前，提醒重要性。
- 圖書館扮演學科專家的角色來帶領實際執行。

- **University of Kent**

- 初期由Research and Innovation board 負責。
- 隨後成立 Office for Scholarly Communication。
- 內部有Academic-led internal board。

- **Cardiff University**

- 由研究創新與創業的副校長將議題帶到校方執行董事會面前討論。
- 創立了院長的職位，來帶領簽署與執行DORA的內涵。

The case of the University of Kent

- 簽署了DORA並採取的萊登宣言的準則。
- 由校方多個部門共同合作執行。
 - Office for Scholarly Communication
 - Information Services research support
 - Research Services
 - Kent Innovation & Enterprise
- 學術傳播辦公室提供了相關訓練課程。

Source:

<https://www.kent.ac.uk/guides/responsible-metrics-for-researchers>

<https://blogs.kent.ac.uk/osc/2018/04/04/responsible-metrics-at-kent-so-what/>

<https://www.kent.ac.uk/osc/about/index.html>

University of Kent | The UK's European university

Contact | Maps | Departments

TEF Gold Teaching Excellence Framework

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Search site...

OFFICE FOR SCHOLARLY COMMUNICATION

Office for Scholarly Communication

University of Kent > Office for Scholarly Communication

What is the Office for Scholarly Communication?

The Office for Scholarly Communication (OSC) showcases all the research support provided across Kent to deliver a researcher focussed service that offers support and advice across the research lifecycle.

Building on the existing expertise at Kent, we provide support for researchers in maximising the dissemination, in the widest sense, of their work.

We work with the Research Support Team to continue to improve the current provision for Open Access and Research Data Management. We also provide information, guidance and support for dissemination through:

- academic and non-academic outlets
- social media
- alternative publishing platforms
- specialist outputs
- and other related activities.

OSC news

- The generation who lost their rite of passage
- Think Kent Discovers series
- Publishing your Open Access Book with Sciendo

More news

Tweets by @HeadUniKentOSC

Sarah Stowe Retweeted

Black In Science Comm
@BlackInSciComm

Hey there! Black in Science Communication Week is October 4th-10th, 2020! Are you interested in helping the event? Fill out this form and lets do this!

如何將宣示真正實踐？

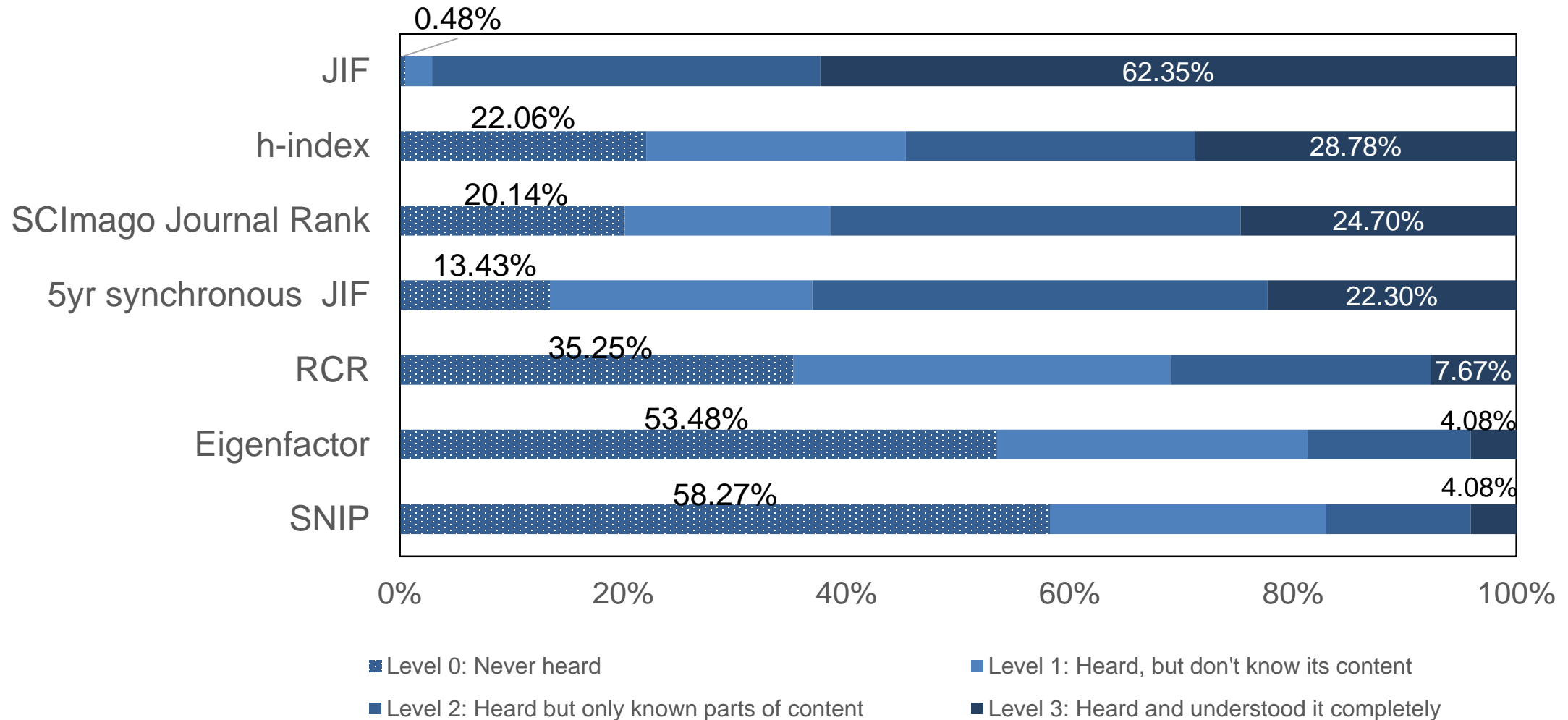
- 定期的溝通、透明與一致的訊息是為關鍵。
 - 合理的論述。
 - 定期的會議與利害關係者的溝通與互動。
 - 更新校內相關政策與程序，以使其內容符合responsible research evaluation的核心精神。
 - 主動確認校內各項文件與網頁上所刊載的資訊是否過時，以防錯誤資訊被轉發。
 - 嘗試新的方法並評估它的成效。

腦力激盪時間:

身為圖書館員或是研發處人員，還有哪些是未來我們可以嘗試的項目，以促進或完善學術傳播的過程？

- 指標教育(Metrics education)
- 學術傳播的諮詢 (特別是面對掠奪式出版的議題)

對各項書目計量指標的認知程度 (來自台灣學界的調查)



LIS-Bibliometrics Competency Model 建構核心能力

Competency model for bibliometric work (version 1.1; July 2017)

Based on Cox, Gadd, Petersohn, Sbaffi (2017) Competencies for bibliometrics. JOLIS. <http://journals.sagepub.com/doi/abs/10.1177/096100617728111>. Project sponsored by Elsevier Research Intelligence.

Entry Level

Core

Specialist

	Entry Level	Core	Specialist
1 Applications		I) Uses bibliometric knowledge to recommend where to publish and what to read; to increase academic staff bibliometric literacy; to support annual reporting by academic departments; to support grant capture; and to guide library collection and evaluate repository coverage.	I) Uses bibliometric knowledge to evaluate departmental/research centre performance; to evaluate institutional performance; and to support academic bibliometric research. II) May undertake charged-for consultancy.
2 Advocacy and Training	I) Explains effectively the concept, potential uses and limitations of bibliometrics to a range of stakeholders. II) Explains the concept, potential uses and limitations of altmetrics to stakeholders. III) Explains author identifiers, such as ORCID, and promotes their wider use. IV) Communicates the case for open access and the impact of increased visibility on citation performance.	I) Advises on which are the appropriate tools to calculate a particular metric and explains differences in results between metrics produced by different tools. II) Explains responsible use as a general set of principles, and applies these principles to specific requests/cases. For example, advises on the applicability of metrics and tools to particular disciplines. III) Participates in key debates about how research quality should be evaluated, including in the context of any national research assessment exercise. IV) Undertakes research into user needs from bibliometric tools and advises on decisions about what bibliometric service should be offered to staff. V) Explains and advises on use of the CRIS, the institutional repository and Academic SNS such as Researchgate. VI) Writes documentation; designs and delivers online and face to face training. VII) Advises on how to increase citation, e.g., through use of social media.	I) Monitors national policy changes around research evaluation and advises on institutional responses. II) Advises on decisions about how the institution should use specific tools and on decisions about institutional Key Performance Indicators. III) Advises on decisions about what a responsible use policy should contain. IV) Influences others, including senior departmental and institutional managers. V) Advises on decisions about what bibliometric tools should be subscribed to.

透過桌遊來教育或宣導學術出版中需要注意的事項



One of activities could be implemented in OA week!



<https://ukcopyrightliteracy.files.wordpress.com/2017/10/publishing-trap-launch-board.jpg>

Source:

<https://copyrightliteracy.org/resources/the-publishing-trap/>

<https://blogs.lse.ac.uk/impactofsocialsciences/2017/10/28/the-publishing-trap-a-game-of-scholarly-communication/>

結語

Manifesto For EU COVID-19 Research

“The manifesto provides guiding principles for beneficiaries of EU research grants for coronavirus prevention, testing, treatment and vaccination to ensure that their research results will be accessible for all and guarantee a return on public investment.”

Open Access 為重要實踐策略之一

European Commission

MANIFESTO FOR EU COVID-19 RESEARCH

July 2020

MAXIMISING THE ACCESSIBILITY OF RESEARCH RESULTS IN THE FIGHT AGAINST COVID-19

- Considering the unprecedented, extraordinary challenges posed by the outbreak of the COVID-19 pandemic;
- Encouraged by the broad public recognition of the important role of research and innovation in containing the COVID-19 pandemic;
- Recalling the World Health Assembly resolution on COVID-19¹ and EU Strategy for COVID-19 vaccines² supporting the voluntary pooling and licensing of intellectual property related to COVID-19 therapeutics and vaccines, to promote equitable global access as well as a fair return on investments;
- Fully aware of our responsibility as researchers and innovators to find innovative solutions;
- Bearing in mind the urgent need to valorise research results for the benefit of all;

¹ <https://apps.who.int/iris/bitstream/handle/10665/331828/1/20200514-resolutions-en.pdf>
² https://ec.europa.eu/info/sites/info/files/communication-eu-strategy-vaccines-covid19_en.pdf

建議

- 學術補助政策有許多課題與學術傳播息息相關。
 - 例如開放科學、研究評估等。
- 圖書館與研發處未來可嘗試合作，甚至是以學術傳播作為主要的概念推動工作。
- 學術傳播、書目計量學與學術研究政策分析密不可分，建議多瞭解不同領域的特性，也對整體政策源頭多加關注。

Thank You for Your Listening! 😊

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