

Advancing Open Science Initiatives in the Digital Era: Challenges and Opportunities Experienced by CUHK Library

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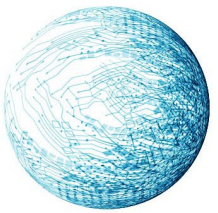


Introduction



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INNOVATING IN THE DIGITAL ERA



CUHK Library is dedicated to advancing open science by fostering collaboration and providing access to knowledge for the global academic community.

- **Key OS Initiatives**

- **Open Books Hong Kong:** Promoting open access to Chinese-language books.
- **Open Science Webinars:** Engaging the academic community through knowledge exchange.
- **Diamond OA Megajournal:** Supporting inclusive and sustainable open access publishing.

CUHK Library 2025
OPEN CONNECT ENGAGE

CUHK Library Strategic Plan
2021-2025



Open Books Hong Kong: A Vision for Open Access

Hong Kong's First Open access book program from HKU, CUHK, and CityU.

Core Mission: Providing free and open access to scholarly monographs.

Global Reach: Researchers, students, and the public worldwide (including the Greater Bay Area).

Impact: Increased accessibility, wider research dissemination, and promotion of open scholarship.

Pilot Launch: 18 monographs released in two batches (July & October 2024).

香港首個開放取用圖書計劃

知識無價 免費獲取





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OPEN BOOKS HK

最新開放圖書



香港中文大學
The Chinese University of Hong Kong



香港城市大學
City University of Hong Kong



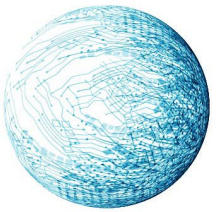
香港大學
THE UNIVERSITY OF HONG KONG



Open Books Hong Kong: Beyond Traditional Sales Metrics



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- Traditional monograph sales models are struggling, with significantly reduced print sales. (Waters, 2000)
- Open Books Hong Kong's OA model prioritizes access and impact over traditional sales figures.
- Initial data suggests that OA titles are **performing better than expected**, considering the limitations of traditional sales models.
- **300,000 views and over 100,000 downloads within the first three months of launch.**

Sales of the Open Access Books from CUHK Press
(11 July – 11 Oct 2024)

| | OA edition Views | Sold Copies |
|---------------------------------------|------------------|-------------|
| People's West Lake 人民的西湖 | 41,406 | 844 |
| Chinese Philosophy 從宋明理學到當代 新儒家 | 32,331 | 630 |
| Tracing China 踏跡尋中 | 18,462 | 107 |

Reference:

Waters, L. (2000). A modest proposal for preventing the books of the members of the MLA from being a burden to their authors, publishers, or audiences. *PMLA*, 115(3), 315–317.

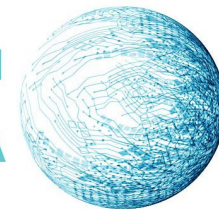


Open Books Hong Kong: Technological Challenges

JULAC



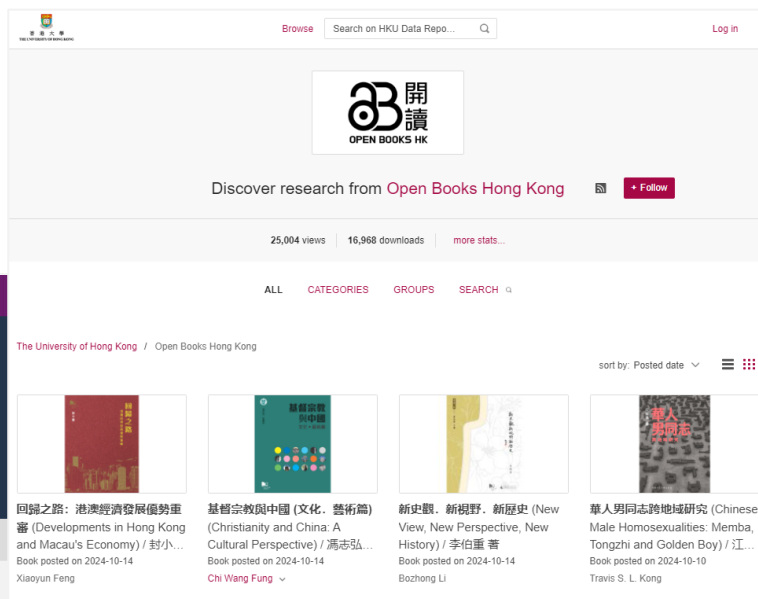
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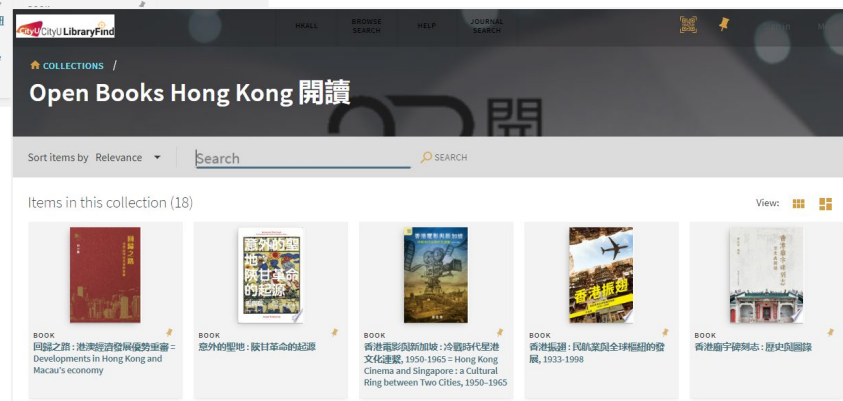
- **Infrastructure utilization:** Existing library infrastructure was leveraged to minimize costs.
- **Shared landing page:** A collaborative website was created as a central access point.
- **Usage Statistics Retrieval:** Diverse university platforms complicate the aggregation of open book usage statistics.



[Open Books@CUHK Library Search](#)



[Open Books@HKU Datahub](#)



[Open Books@CityU LibraryFind](#)

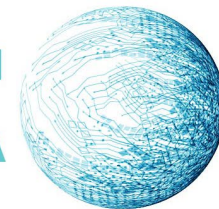


Open Books Hong Kong: Technological Challenges

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首頁 關於閱讀 圖書下載 計劃發起人 參與作者 資訊分享 常見問題 中文(香港) ▾



知識無價，免費獲取

開放取用圖書下載

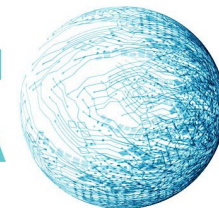
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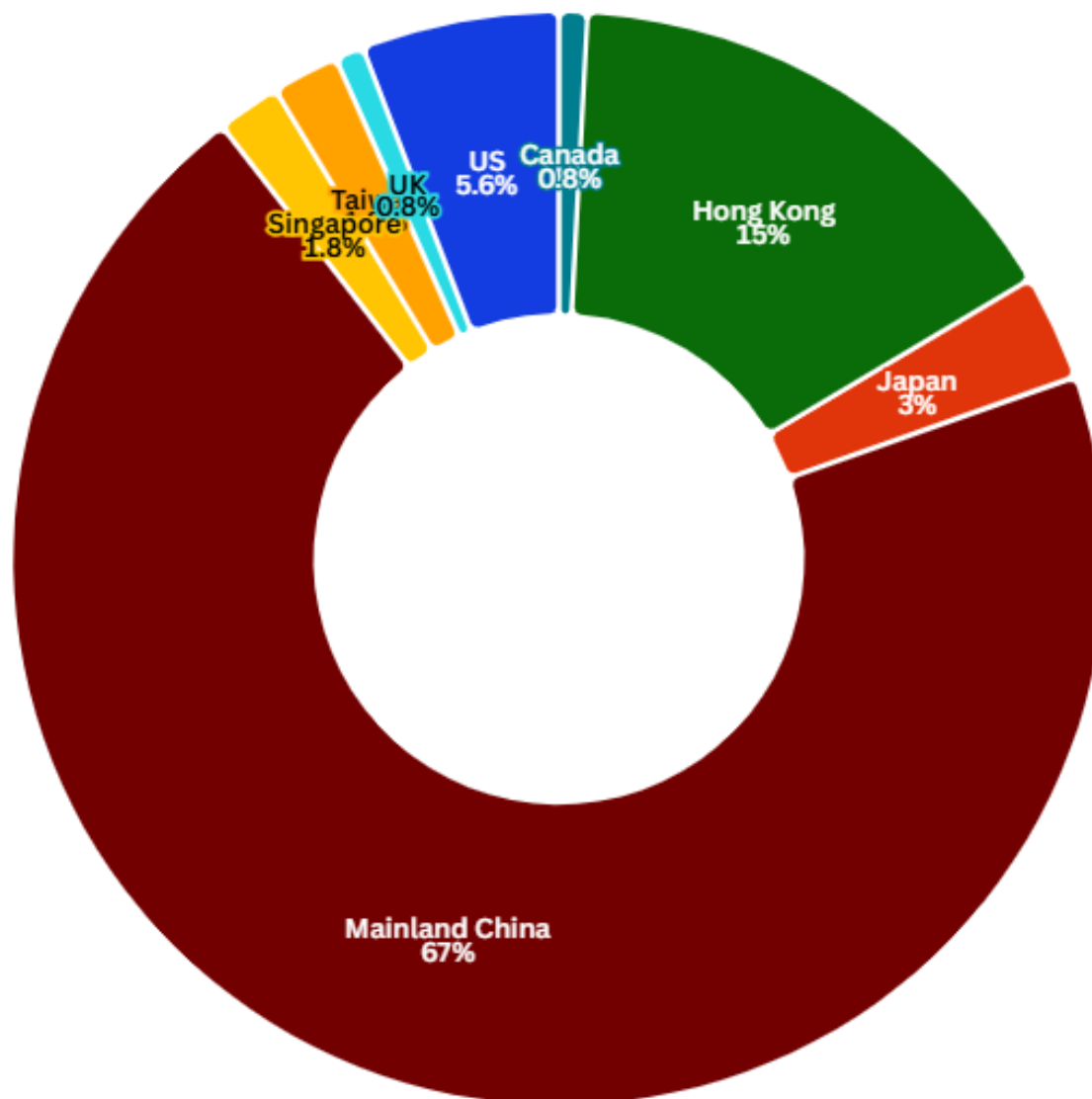


- **Copyright Infringement:** Unauthorized sales of counterfeit copies online, violating the CC-BY-NC-ND license.
- **Website Stability:** Occasional access instability due to budget constraints and open-source platform limitations.
- **Digital Preservation:** Ensuring the long-term accessibility and integrity of the growing digital collection requires careful planning and resource allocation.

[Open Books Hong Kong website](#)



Countries/ Regions of OBHK Website Visitors





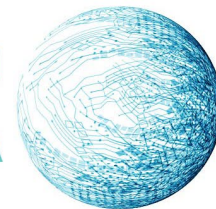
Open Books Hong Kong: Building a Sustainable Future

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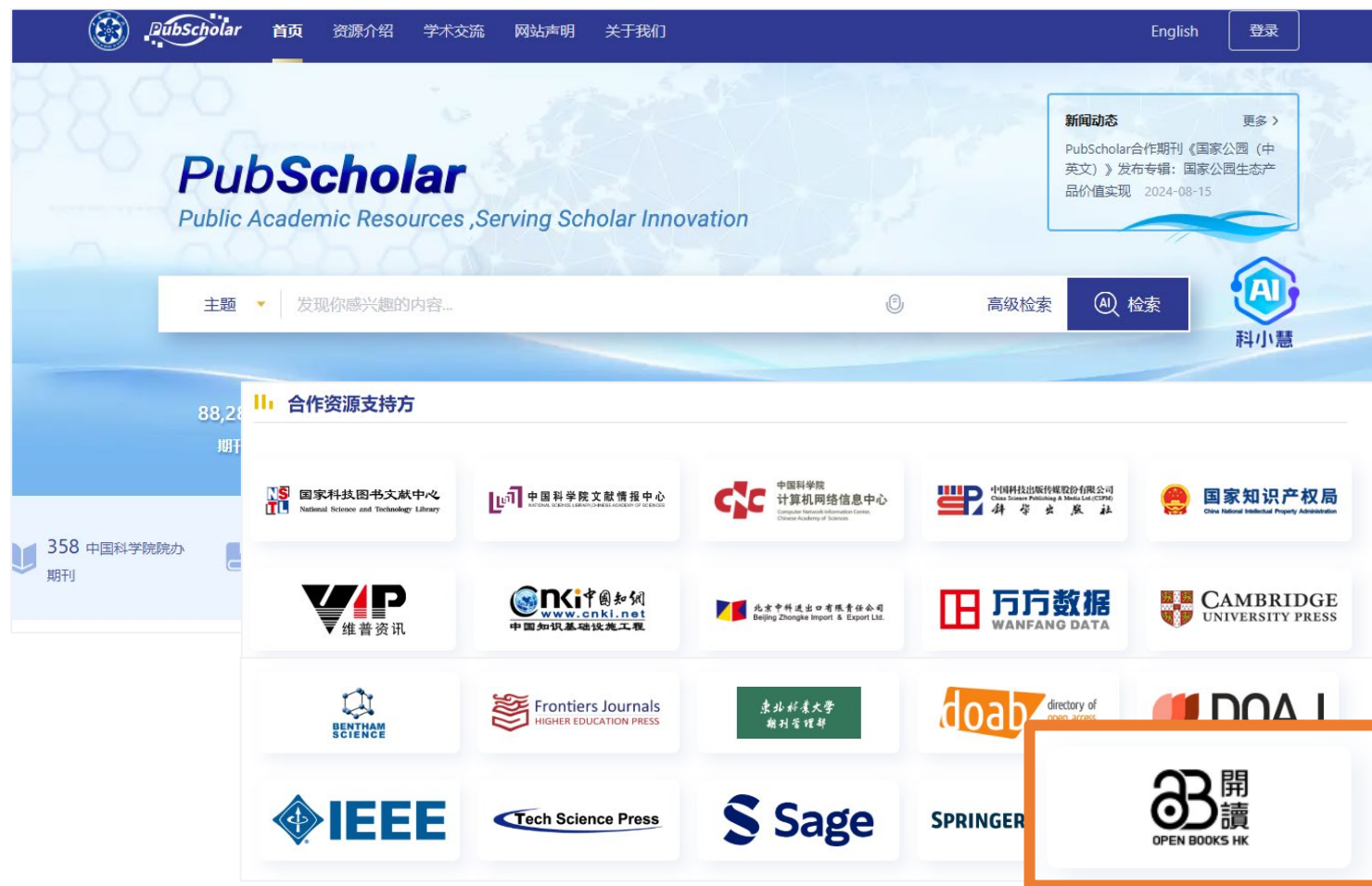


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- **Technological Advancement:** Embrace new technologies for platform improvement and digital preservation.
- **Community Engagement:** Engage with the academic community to raise awareness of the project and encourage responsible use of the resources.
- **Sustainable Funding:** Explore diverse funding models to support long-term infrastructure maintenance.



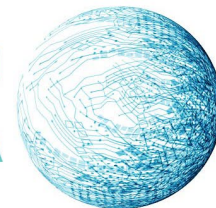
[PubScholar by CAS-NSL](#)



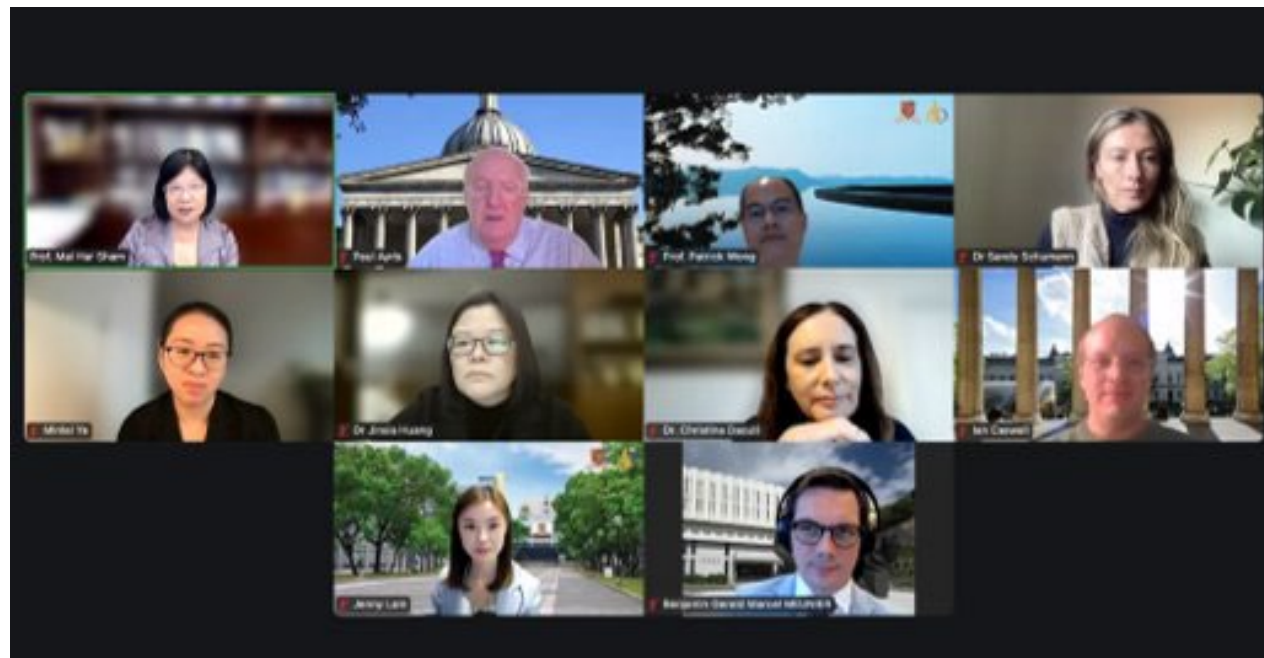
Focus on Open Science – Hong Kong webinar



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- Two consecutive webinars in 2023 and 2024. focused on raising awareness on open science in Hong Kong.
- Platform: Zoom – Optimal balance of cost, ease of use, and global reach:
 - About 150 attendees each
 - 336 registrants in 2024
 - 276 registrants in 2023



Focus on Open Science – Hong Kong ([2023](#) & [2024](#))



Focus on Open Science – Hong Kong webinar

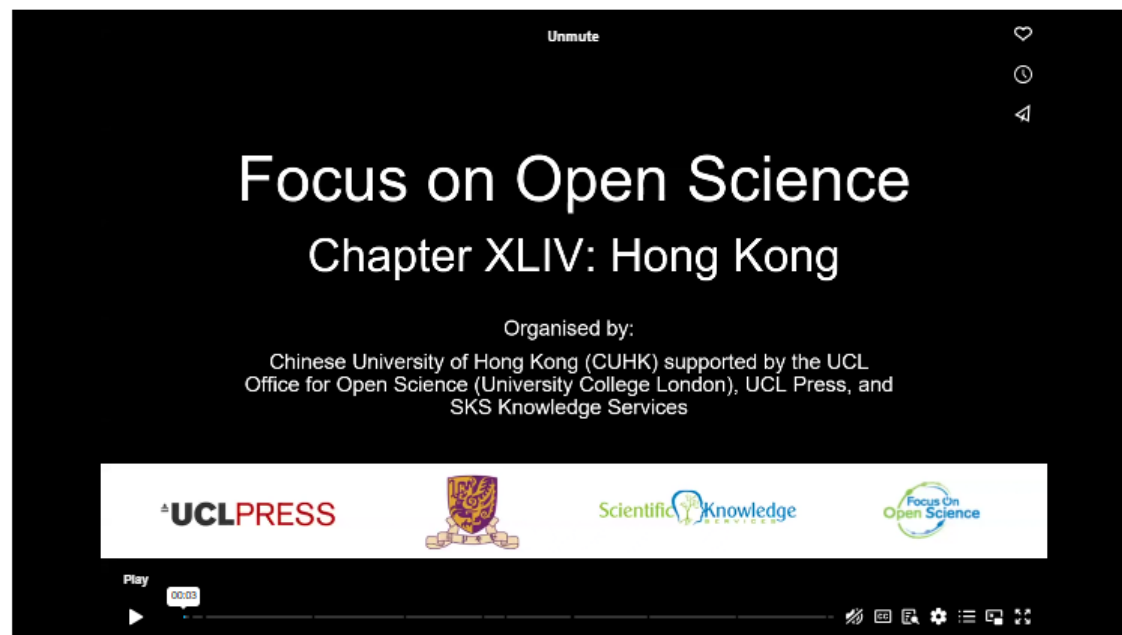


Scholarly.Events

[HOME](#)[EVENTS ▾](#)[CONTACT US](#)

22/10/2024 | Hong Kong | 15:00 HKT | 9:00 CEST | 8:00 BST | #FocusOpenScience

Recording of the Event

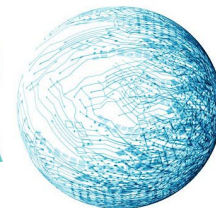


Technical support from Scientific Knowledge Services (SKS) :

- Creation of Event Webpage & Registration
- Pre-Event Rehearsals
- Technical Briefing & Guidelines
- Real-time Technical Support

Specific Requirement:

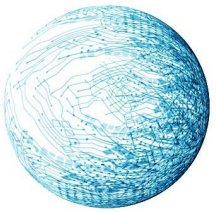
Ensured seamless Zoom access for participants from Mainland China.



Diamond OA Megajournal platform

Project Aims:

- To enable research in Humanities and Social Sciences produced in Hong Kong, Macau and Mainland China
 - to have maximum impact for reasonable cost;
 - to sustain academic quality assurance via peer review;
 - at a scale commensurate with one of the largest research-producing regions in the world.
- CUHK context:
 - Bilingual institution, conducting research in both English and Chinese
 - Long established research focus on Chinese language and culture
 - Initial scope of 26 CUHK affiliated journals, 19 are bilingual or Chinese



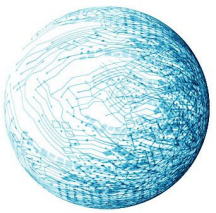
Diamond OA Megajournal platform

Project kick off

- **Stakeholder engagement:** CUHK Press, Senior Academic Leaders, Faculty Deans, journal editors of CU affiliated journals
- **Flipping existing journals:** what's in it for the editors?
 - Reliable journal management system supporting English and Chinese
 - Accessibility (print to electronic, subscription to OA)
 - Visibility (DOI, indexing in Megajournal platform, DOAJ, Google scholar, etc.)

The screenshot displays the CUHK Press website. The top navigation bar includes links for About, Authors, Books, Journals, Other Products, Resources, News and Events, and The China Review. A header section shows the university's name in Chinese and English, a wish list icon, and a cart icon indicating 0 items for US\$0.00.

The main content area features a 'Featured Journals' section with four journal covers: 'The China Review', 'Journal of Translation Studies', 'Communication & Society', and 'Asian Journal of English Language Teaching (Print Version)'. Below this is a 'Journals' section with a list of journals for sale, including 'Twenty-First Century' and 'Communication & Society'. Each journal entry shows its cover, title, description, price, and an 'Add to Cart' button.



Diamond OA Megajournal – the road so far...

- Key considerations:



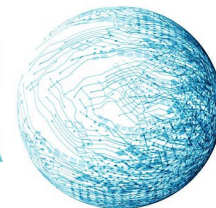
Data security and data protection laws (storage location, and accessibility considerations)



Risk and cost management



Long term sustainability and scalability



Diamond OA Megajournal - the road so far...

Technical considerations for the platform:

- Easy to use journal management system
- Enable the management of **multiple journals on a single platform**
- Bilingual support for:
 - Manuscript submission, peer review system
 - Production – type-setting, copy editing, PDF, XML conversion
- Front end discovery layer with **bilingual browsing and searching** articles of all journals
- Instant **translation** with AI tool
- Metadata harvesting for **interoperability** with Alma and Research Information Management System

☐ 2. 蒙古国植被指数时空变化特征及其对气温降水的响应



Spatial and Temporal Characteristics of Vegetation Index and Its I
Mongolia

引用

机器翻译由 科大讯飞 提供技术支持



翻译


杨梅焕李雅雯王涛王卷乐李朋飞李婷黄静OchirALTANSUKHDav

《资源与生态学报》2024年第5期 1175-1184, 共10页



精读

蒙古高原是我国北方重要生态屏障, 开展气候变暖背景下蒙古国植被
被响应特征及筑牢我国北方生态屏障具有重要的理论与现实意义。本



Diamond OA Megajournal – the road ahead...

- Cost estimation, assess financial sustainability
- Seek journal editors' feedback on journal management system and discovery platform features
- Ensure scalability of platform to accommodate more articles/journals in the future
- Reach potential collaborators in Hong Kong, Macau, Greater Bay Area and Mainland China.

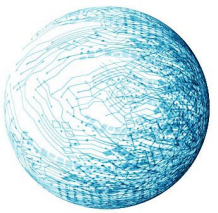


Conclusion



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Global Reach and Visibility

- Technology transcends geographical and linguistic barriers, making research accessible to a far wider, more diverse audience. Open Books HK, for example, directly addresses the need for accessible Chinese-language resources.



Enhanced Inclusivity

- Open access models foster a more equitable research environment, removing financial and institutional barriers to knowledge.



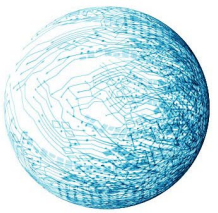
Improved User Experience

- User-friendly platforms ensure ease of access and navigation, maximizing the impact of our open science initiatives.



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Thank you!

Any questions?