

# Progress of Open Access Transition in South Korea

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## About KISTI and KESLI consortium

**KISTI (Korea Institute of Science and Technology Information)**, as the only research organization designated by the Science and Technology (S&T) Framework Act for establishing a National S&T infrastructure, has its mission (1) to develop national S&T data platforms and content curating applications, (2) to provide infrastructure for national research data management, and (3) to implement an integrated portal of national R&D information.

**KESLI (Korean E-resource Service for Library)**, operated by KISTI supports research libraries in Korea to access electronic information efficiently and cost effectively. KESLI seeks to promote and expand sustainable OA options including OA transformative agreements.

## Overview of Open Access in Korea

### Transformative Route



#### SCOAP3 : joining global OA partnership

Join SCOAP3 as 1<sup>st</sup> Asian partner (2013~)

- Vision of SCOAP3 was shared in 2010 OAK conference
- National contribution has been made since the beginning of SCOAP3
- Korea Physical Society supports SCOAP3-Korea, however financial support for its sustainability is necessary

#### Open Access Transformative Agreement

TAs between National Research Council of Science and Technology and two publishers (2021~)

- Its 25 member institutions has subscribed e-journal packages individually
- NST is leading the first transformative agreement on behalf of its members with Elsevier and Wiley
- A working group is organized from the representatives of each library and led by KESLI secretariat in KISTI

Transformative Agreements between KESLI consortium members and CUP, Karger (2022~)

- KESLI members have signed 3-year Read and Publish agreements with CUP and Karger Publishers
- After successful examples of NST-Elsevier and NST-Wiley TAs, research libraries in Korea are monitoring benefits from Tas
- Such as expanded access to the complete journal collection and backfiles content as well as unlimited OA publishing.

### Gold Route



#### Implementing Scholarly Publishing Infrastructure

National project for digitizing and archiving learned society information (1996~)

- Provision of homepage + e-mail service for learned societies
- Digitization of print journals and construction of Korean journal article database

Provision of online peer-review system (1997~)

- First implementation and provision of online peer-review system (ACOMS)
- Provision of computing resources, back-up, security SW

Support for DOI registration (2014~)

- Direct management of DOI assignment as a DOI RA (KoreaDOIcenter)

Full-text JATS XML construction (2015)

- Support for semi-automatic construction of XML

Support for Distribution and Assessment

- English landing pages for Korean OA journals (KoreaScience)



#### Financial Support for Journal Publishing

Financial support for journal publishing (2010 ~ )

- MoSICT and MoE has supported the financial sustainability of journal publishing and incentivized open access of journal contents

### Green Route



#### Implementing Open Access Repository

Open Access Korea (OAK) Project (2009~)

- Provision of institutional repositories, DSpace customized
- Provision of open access content through OAK Portal

- Type of records : Journal paper, Thesis, Technical report, Book, Patent
- Number of IRs : 35



#### Public Access to National R&D outcomes

National Science and Technology Information Service (NTIS)

- KISTI operates NTIS, which provides public access to government funded R&D outcomes.

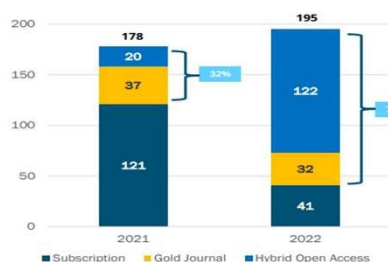
Korea Center for Disease Control and Prevention adopts PA policy

- Researchers receive funds from KCDC must deposit the final manuscript in 12 months after publication

The primary obstacle to OA in Korea is that funders and research institutions do not yet require all public-funded research outcome to be published OA.

## Impact of Open Access Transformative Agreements

We are in the very early stage in making Open Access Transformative Agreements, but have observed some impact, ...

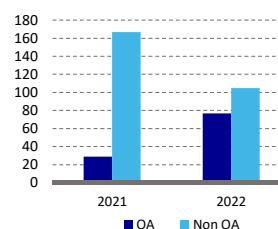


OA output for NST members is outpacing total output growth

- NST's share of open access publication output in Wiley journals have increased between 2021 and 2022 by a growth rate of 170%.
- The percentage of OA output by NST researchers in Wiley publications in 2022 took up 79% of total research publications when the consortium's agreement came into effect.
- Total publication output for NST member institutions also grew by a growth rate of 10%

Source: Wiley Author Services. Data limited to citable items by corresponding authors affiliated to NST member institutions (2023)

#### OA growth in CUP



OA output for Korean researchers is outpacing in CUP journals

- The total number of article published has been decreased in CUP journals.
- Rate of OA volume was 15% and increased to 42% after the OA TA with CUP

Source: Cambridge University Press Open Access : OA Publication in Korea (2023.3)



Division of National S&T Data  
KESLI Secretariat