



T.C. SANAYİ VE
TEKNOLOJİ BAKANLIĞI



TÜBİTAK

TÜBİTAK Open Science

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Specialist

TÜBİTAK ULAKBİM

- The UNESCO Recommendation on Open Science provides a global guiding framework that advances openness, equity and inclusiveness in science.
- Adopted by 194 Member States, it sets common standards and principles that help countries build coherent, interoperable and sustainable open science ecosystems.

UNESCO Recommendation on Open Science



➤ TÜBİTAK Open Science Policy

- **Open access to research data, publications, and project outputs is actively supported.**

Infrastructures

Aperta, Harman, DergiPark, TR Dizin, and TÜBİTAK Academic Journals constitute the core national infrastructures enabling open science.

➤ Open Access Agreements

Transformative open access agreements have been signed with two major global publishers, covering all researchers in Türkiye. Negotiations for new agreements are ongoing.

➤ ULAKBİM–DIAMAS Türkiye Report (2024)

ULAKBİM contributes to the European-level analysis and mapping of Diamond Open Access publishing.

➤ International Collaboration

Active participation in UNESCO Open Science Recommendation reporting, as well as EOSC and DIAMAS platforms.

➤ Research Data Management

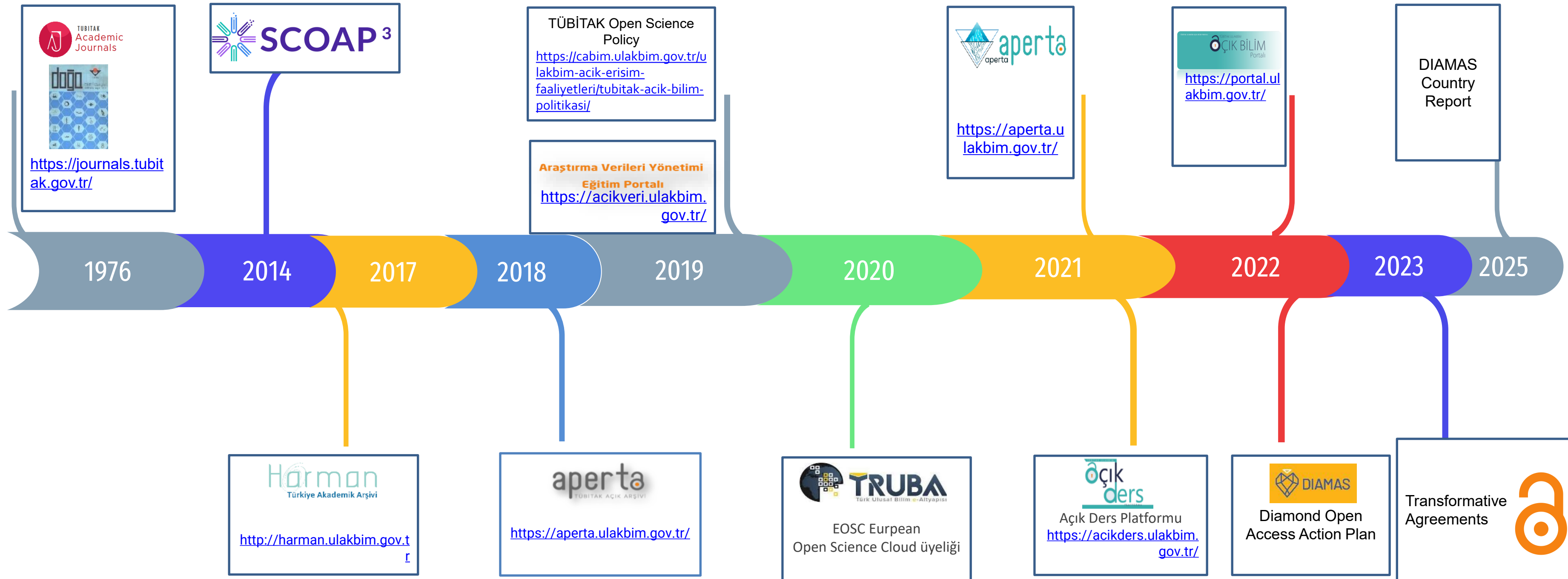
Guidance is provided for the long-term preservation, accessibility, and responsible management of research data.

➤ Monitoring and Awareness

Monitoring national open access rates, delivering awareness-raising trainings, and supporting coordination across institutions.



ULAKBİM's Open Science Activities



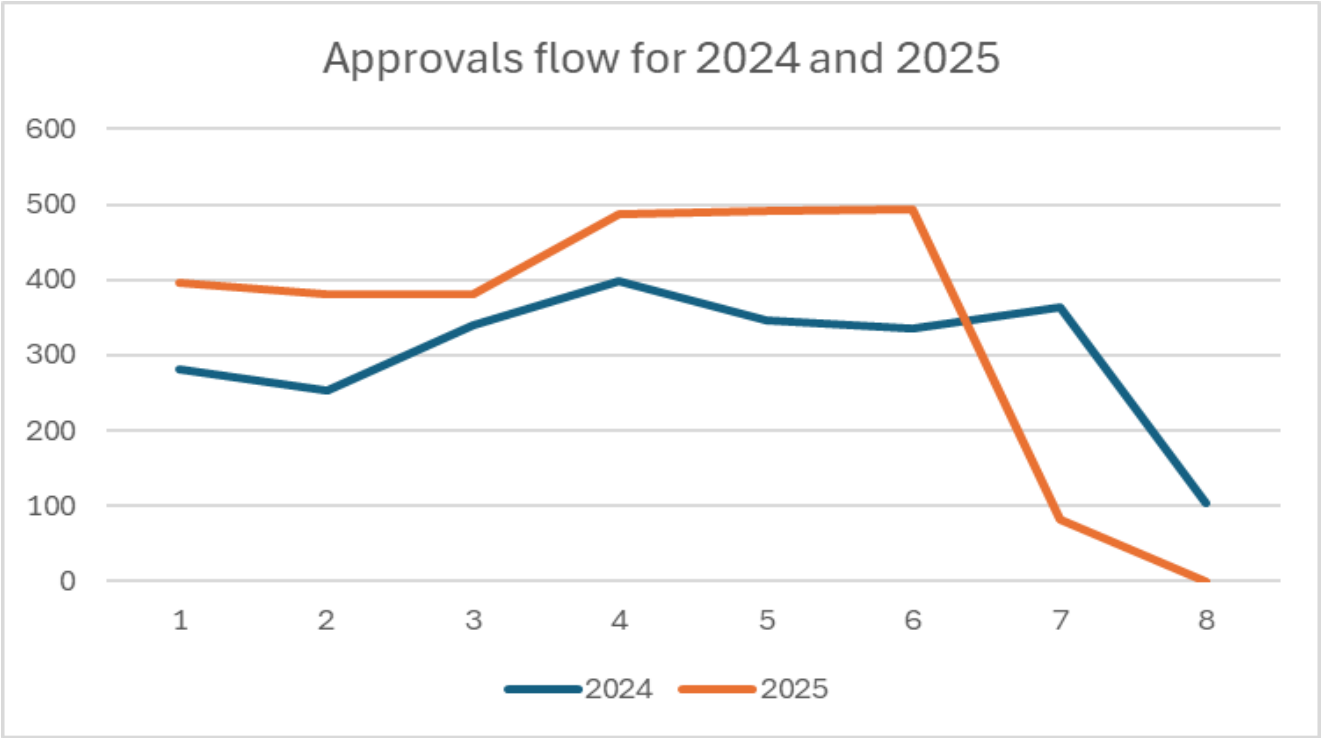
- ULAKBİM monitors transformative agreements implemented by consortia and institutions in other countries, including their structures and key details.
- We closely follow developments in transformative agreement models such as Read & Publish, Publish & Read, Pay-as-You-Publish, Subscribe to Open, and others.

2023–2025 – Wiley Open Access Agreement

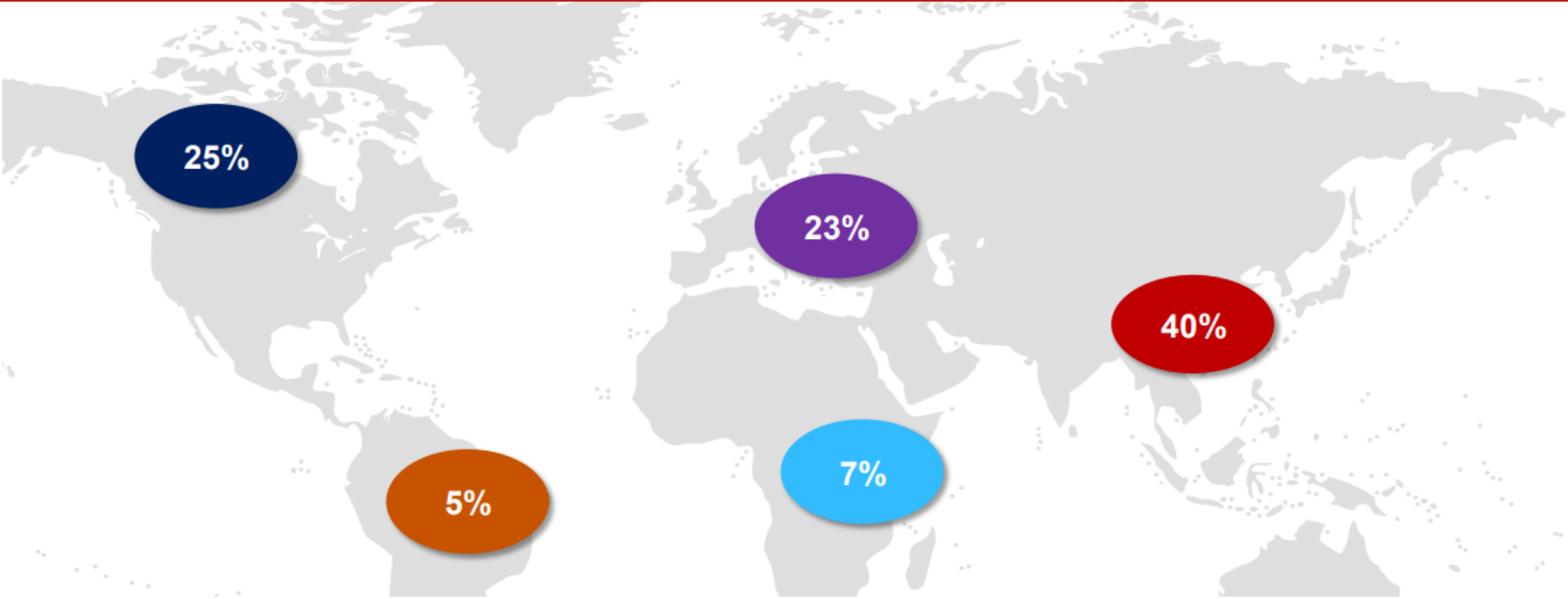
2024–2026 – Springer Nature Transformative Open Access Agreement

Transformative Agreement

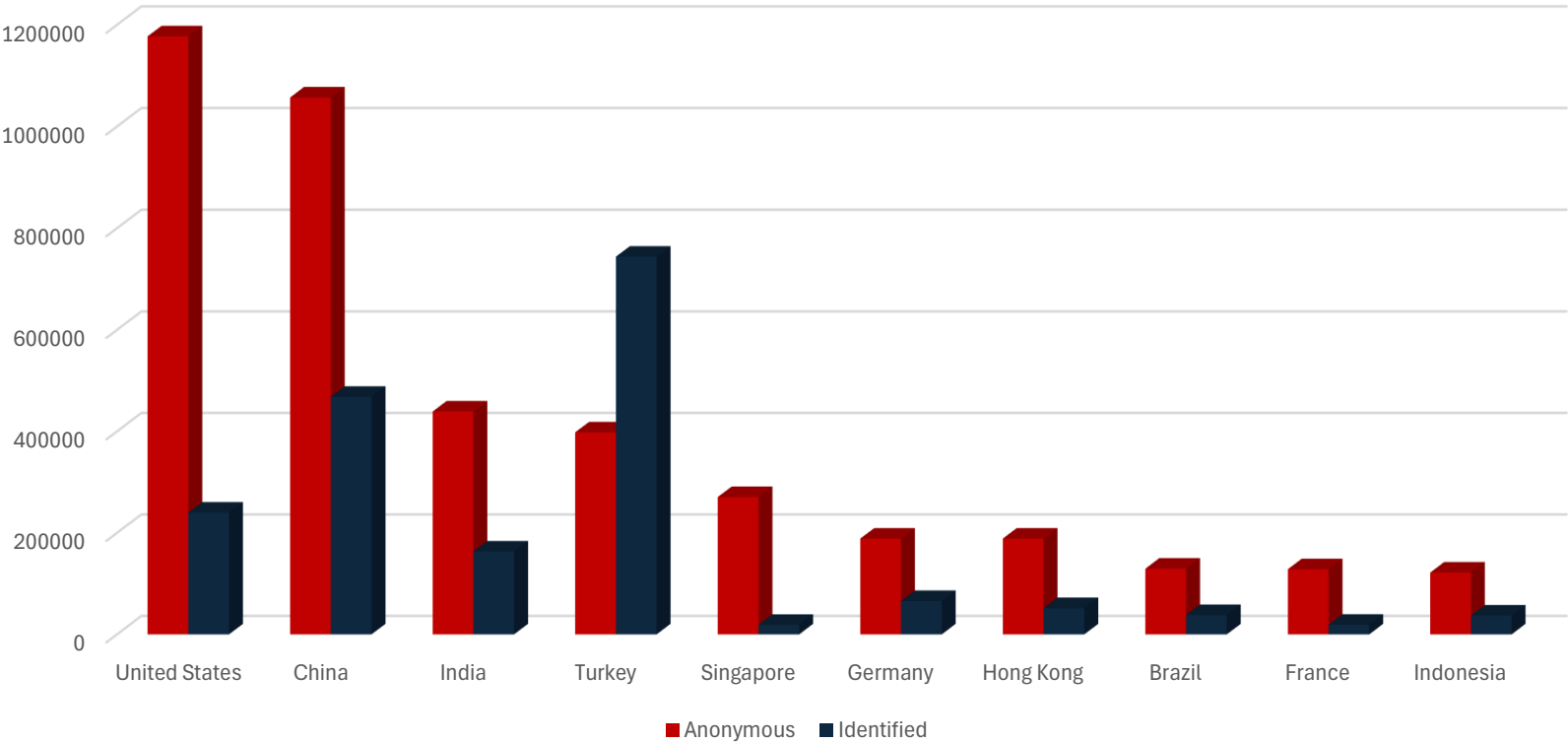


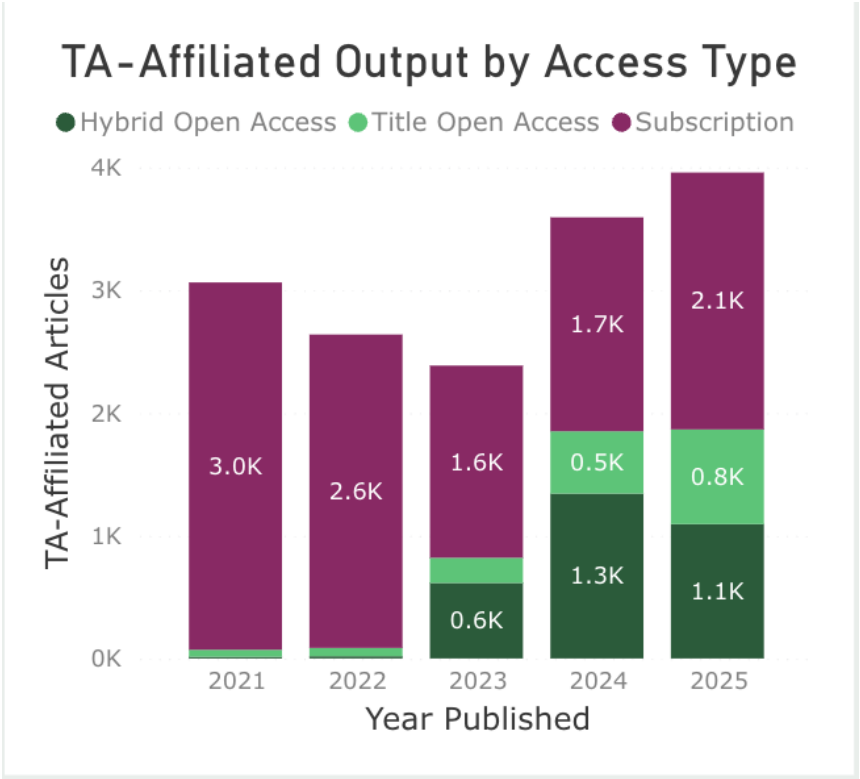
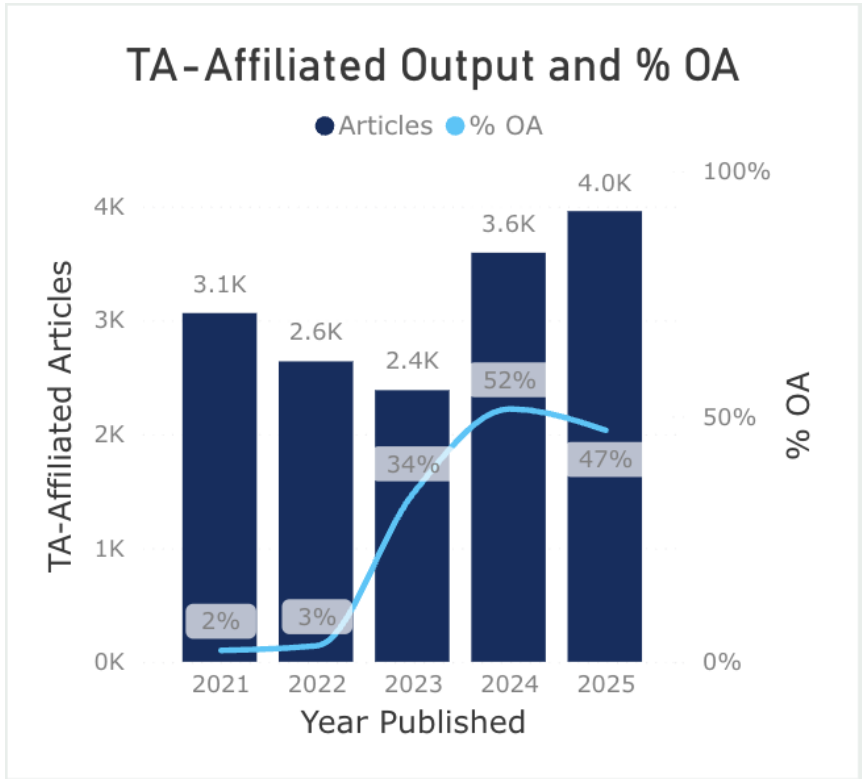
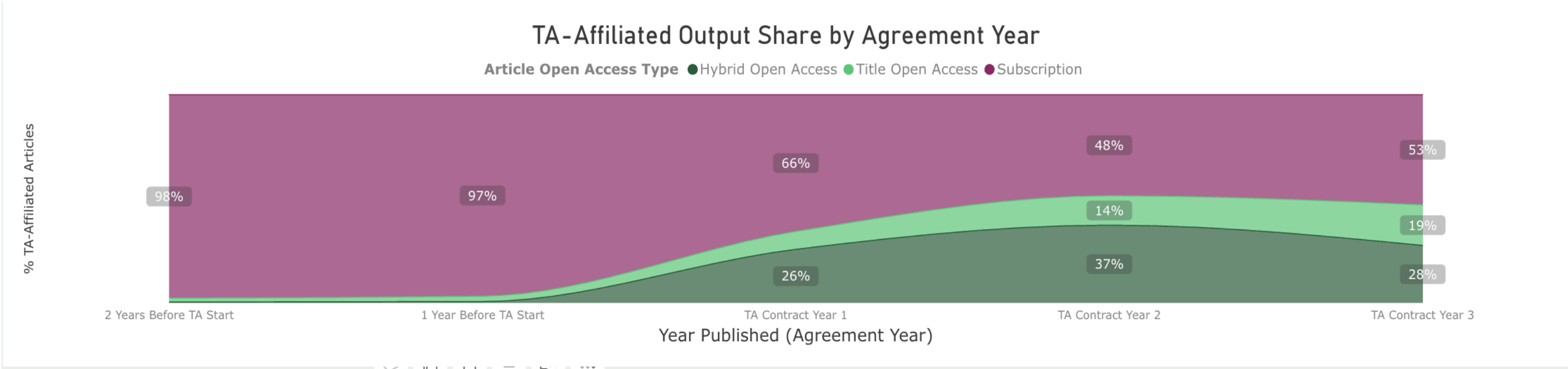


Global usage between January 2024 and September 2025: 10,510,968 (total item requests)



Countries with the highest usage



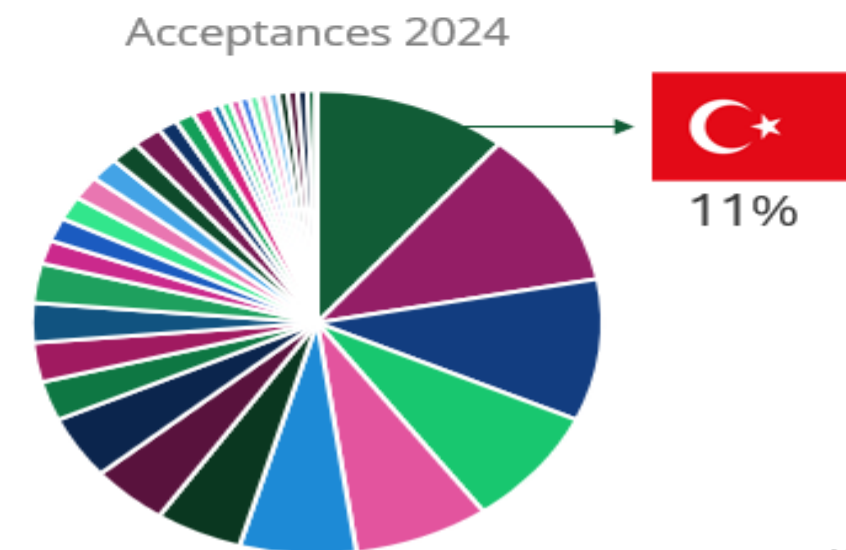
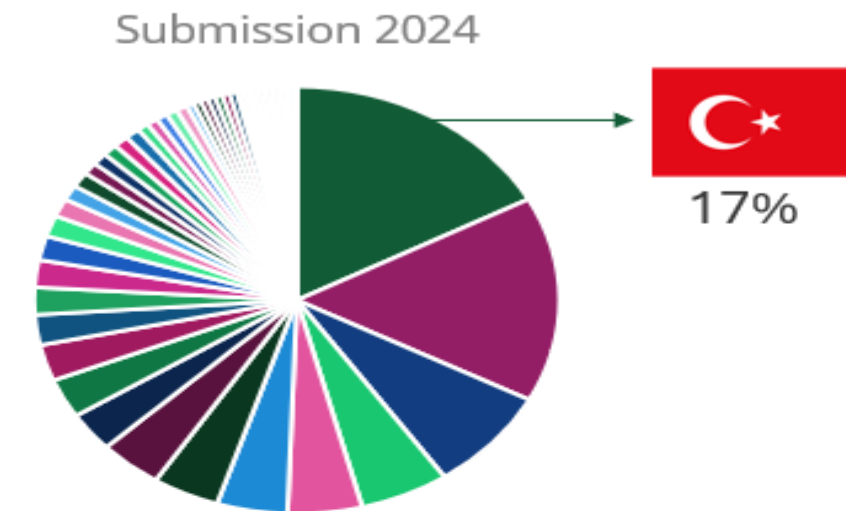


Observed Trends:

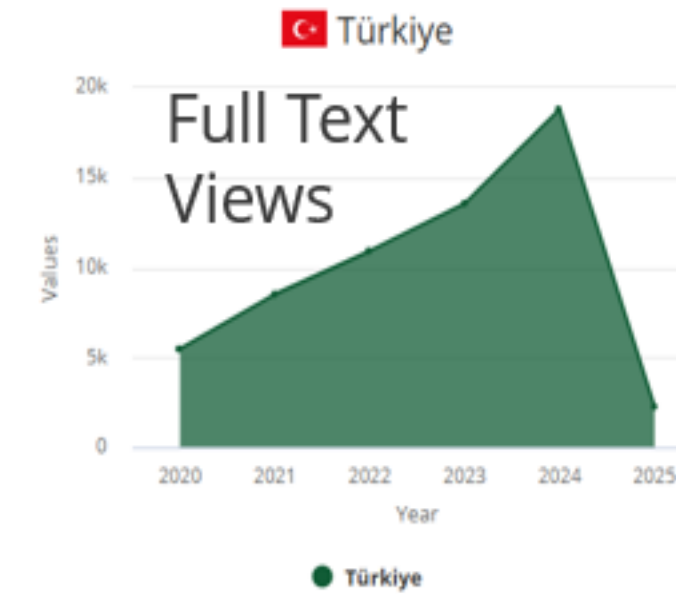
- The TA-affiliated output share by agreement year and percentage of OA article graphs show how the Open Access articles increased from around 3% just before the TA up to 28% of hybrid OA articles and 19% gold OA articles with total percentage of 47% for the Open Access articles (YTD).
- There is a notable increase in the Open Access titles been accessed over the years since the kick-off of the TA that reached in 2025 - YTD 1.9K titles

Türkiye on the rise

- While before 2023 our submissions and acceptances from Türkiye were below 2% of our manuscripts, this has increased to 17% of our submissions and 11% of our acceptances in 2024
- Türkiye is the country with the *most submissions in 2025* already (24%)
- From our experience, the Agreement is great for researchers and journals to grow together and very straightforward in its implementation



- Macromolecular Materials and Engineering was converted from subscription to Open Access at the beginning of 2023.
- With the signing of the TÜBİTAK TA in March 2023 we saw a steady increase of Turkish papers being submitted and subsequently accepted.
- This prompted the team to ensure representation of Turkish researchers on our Editorial Advisory Board





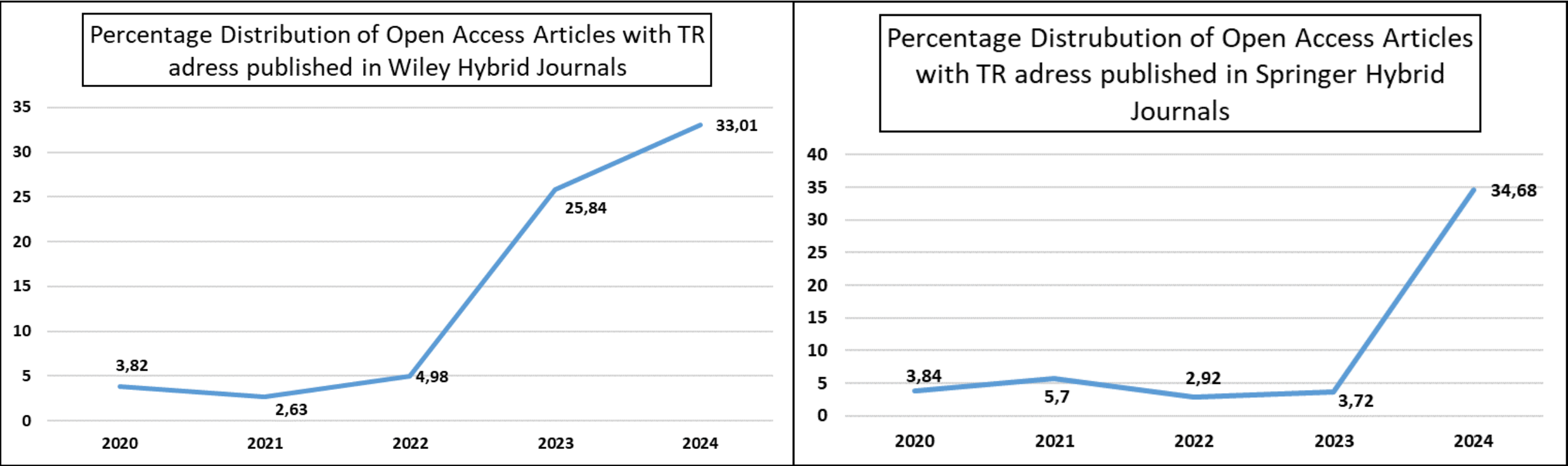
Benefits for Authors

Opportunity to benefit from institutional agreements that cover or discount open access publishing fees.

Freedom to publish under a Creative Commons license, allowing authors to define how readers may use their work.

Increased visibility of research, resulting in more citations, broader reach, and greater global impact.

These agreements are transformative agreements that support the transition to open access. However, the transition requires additional costs. While publishers request extra budgets during this process, it is essential that article processing charges (APCs) are proportional to countries’ income levels. Fair and sustainable open access is only possible through reasonable and proportionate cost policies.





<https://trdizin.gov.tr/>

- TR Dizin is Türkiye's national citation index, covering high-quality peer-reviewed journals in Science, Social Sciences, Humanities and TÜBİTAK-funded research projects.
- It provides comprehensive citation data, including top-cited journals, articles and authors, and is widely used in national academic evaluation processes.
- TR Dizin accepts only high-quality and nationally prestigious journals that meet rigorous editorial and publication standards

- ❑ DergiPark is a platform similar to OJS and hosts more than 2,400 journals.
- ❑ Over 95% of the journals hosted on the platform are published under the Diamond Open Access model.
- ❑ It serves more than 70% of all academic journals in Türkiye (approximately 3,500 journals).
- ❑ The platform is integrated with Crossref, Google Scholar, and EBSCO.
- ❑ It is designed according to accessibility principles for visually impaired users.

Access Traffic:

65% from search engines

18% direct access

14% referrals

1% social media

Language Distribution in DergiPark

72% of articles in DergiPark are in Turkish,

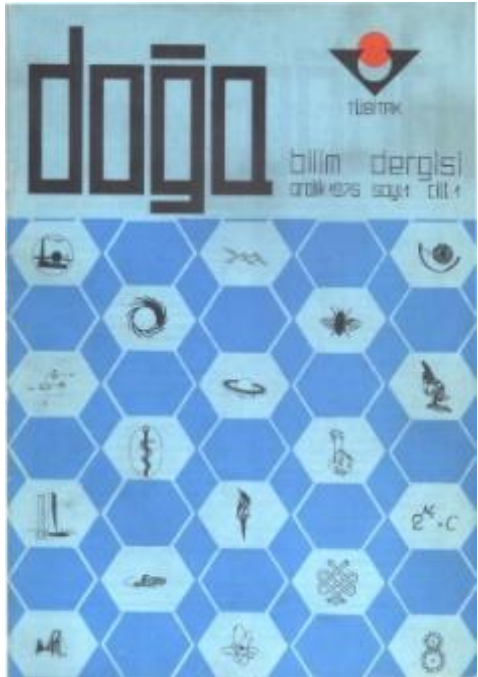
24% are in English,

and 4% are in other languages (such as German, French, Arabic, Russian, Kurdish, Azerbaijani, etc.).

New policies need to be developed to increase the proportion of content published in different languages.

Founded in 1976 under the name “**Doğa Bilim Dergisi**” (**Journal of Nature Sciences**), TÜBİTAK Academic Journals now consist of **11 scientific journals** covering various disciplines. Our Diamond Open Access journals are indexed in **Web of Science, PubMed, and Scopus**.

In line with TÜBİTAK Academic Journals’ commitment to open access and compliance with international standards, applications will be submitted in **2024** for all 11 journals to be included in the **Directory of Open Access Journals (DOAJ)**. In preparation for this application, the publishing policy of TÜBİTAK Academic Journals is being revised to align with the **Creative Commons Attribution 4.0 International (CC BY 4.0)** license. All articles are licensed under **CC BY 4.0** and published in **English**.

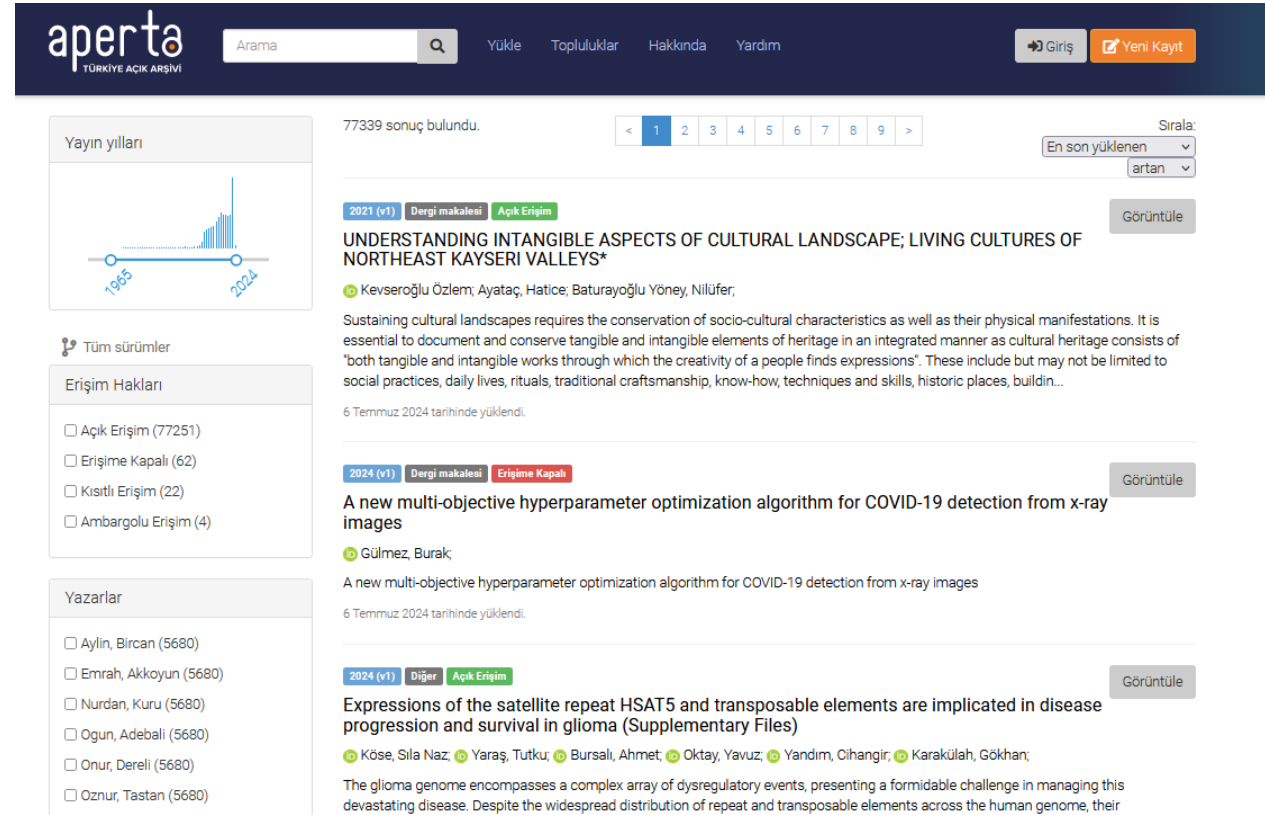


TUBİTAK
Academic
Journals

www.journals.tubitak.gov.tr







❖ **APERTA** means “open” in Latin; the platform has been developed as Türkiye’s National Open Science Repository since 2018.

❖ It serves as a **common data repository** for all researchers in Türkiye.

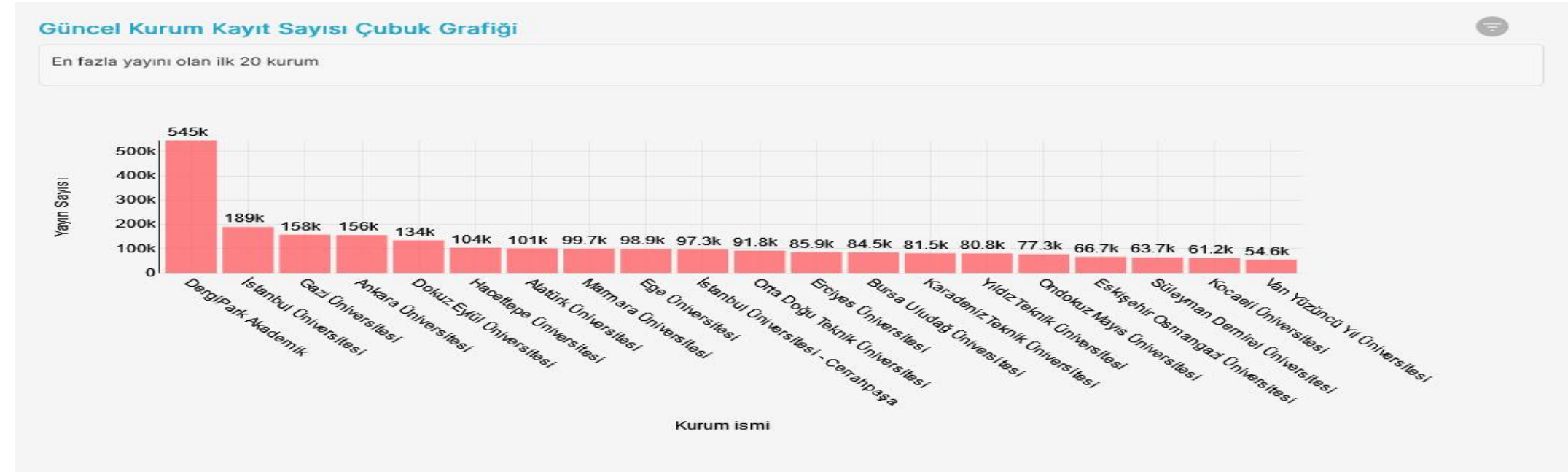
❖ It hosts **open access research data** as well as the **outcomes of TÜBİTAK-funded projects**.

❖ In line with the **FAIR principles**, it can classify and preserve data, offers advanced metadata search capabilities, and contributes significantly to the culture of open science.



Türkiye Academic Archive (Harman) is a metadata harvesting system that connects national repositories and journals (data providers) with search engine services (service providers), enabling access to needed content in accordance with international standards.

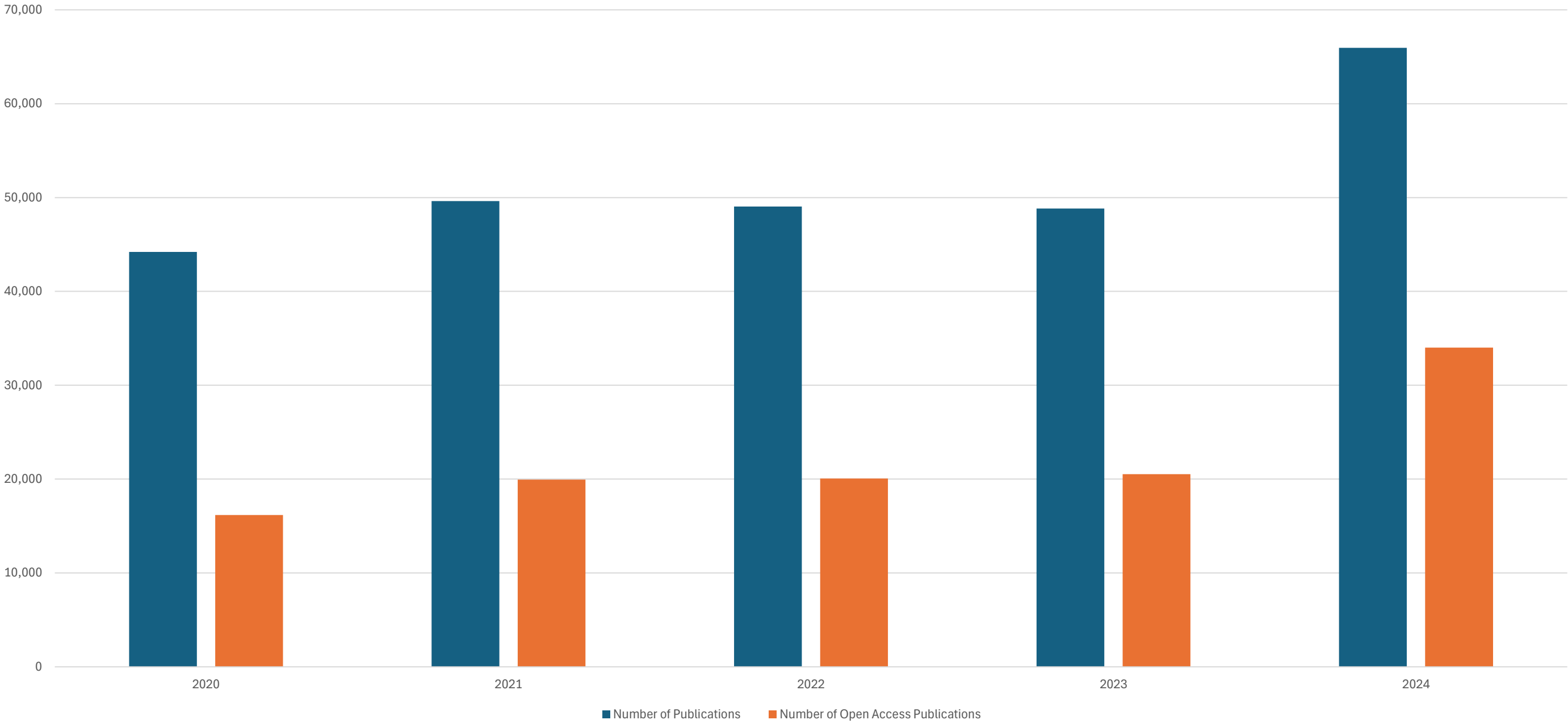
- Access to the open repositories of **177 institutions** from a single point
- Fast search and filtering across **more than 4.5 million records**
- Increased visibility of institutional repositories
- Encourages repository content to comply with **international standards**
- Supports the creation of a **National Open Archive** in line with Open Science
- Can be harvested by other metadata harvesting systems



Top 20 Institutions with the Highest Number of Publications in Harman



Scientific Publication Data Affiliated with Türkiye (2020–2024)



	2020	2021	2022	2023	2024
Number of Publications	44.213	49.624	49.043	48.828	65.958
Number of Open Access Publications	16.184	19.942	20.060	20.528	34.006



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TÜBİTAK | TÜRKİYE BİLİMSEL VE TEKNOLOJİK ARAŞTIRMA KURUMU