

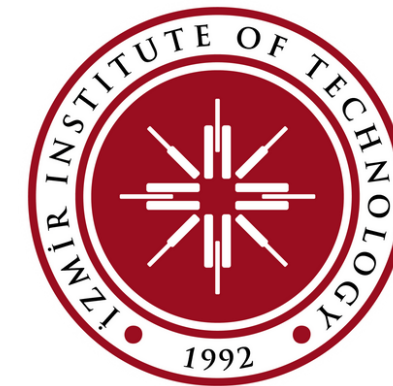
# Open Science in Türkiye and the Impact of OpenAIRE



Gültekin Gürdal

Library Director

Izmir Institute of Technology





## Gultekin Gurdal

Library Director  
Izmir Institute of Technology

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Tel: +90 232 7506331

<http://web.iyte.edu.tr/~gultekingurdal/>

<http://orcid.org/0000-0001-7259-8134>

- Working as the library director at IZTECH for 19 years.
- Bachelor's Degree from Hacettepe University, Library Science Program, and a Master's Degree from Kocaeli University, Business Administration.
- I participated in OpenAIREPlus, OpenAIRE2020, and OpenAIRE Advance projects. Working as an OpenAIRE Turkey NOAD since 2011
- Executive board member of OpenAIRE AMKE. (2021-)
- Project partner of PATTERN and DIRNA (EU Projects).
- A founder partner of Research Ecosystems, an R&D Company established within IZTECH Technopark in 2021.

# Izmir Institute of Technology

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[www.iyte.edu.tr](http://www.iyte.edu.tr)



izmir



# izmir

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- "İzmir" probably derives from the former Greek name "Smyrna"
- 3500 years of recorded urban history.
- The Second largest port and the third city in Türkiye.
- Population 4.479.525
- Mediterranean climate



# IZTECH

- Founded in 1992 as a state university
- The only internationally distinguished advanced technical university in Türkiye
- Emphasis on education and research in science and technology
- The biggest campus area in İzmir

**7069** Students  
**660** Academicians

Programs  
**18** undergraduate  
**30** master's  
**20** doctorate

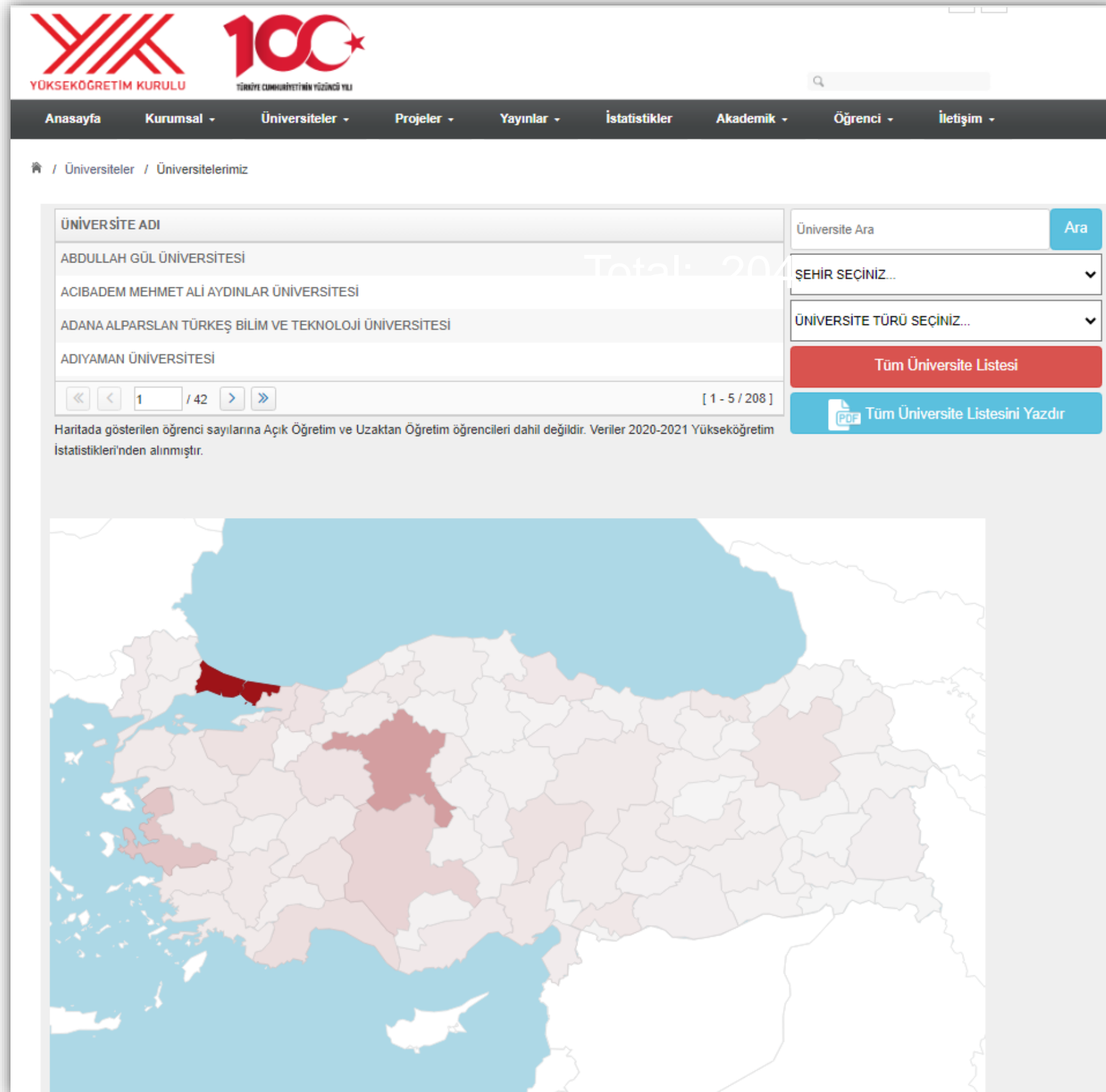
**159** International  
Students from  
**39** Countries

Education Language is  
**100%** English

**3** Faculties with  
**19** Departments

**17** Research and  
Application Center

# Higher Education Landscape in Türkiye



The screenshot shows the YÖK website interface. At the top, there is a navigation menu with options: Anasayfa, Kurumsal, Üniversiteler, Projeler, Yayınlar, İstatistikler, Akademik, Öğrenci, and İletişim. Below the menu, there is a search bar and a list of universities. The list includes: ABDULLAH GÜL ÜNİVERSİTESİ, ACIBADEM MEHMET ALİ AYDINLAR ÜNİVERSİTESİ, ADANA ALPARSLAN TÜRKŞ BİLİM VE TEKNOLOJİ ÜNİVERSİTESİ, and ADIYAMAN ÜNİVERSİTESİ. A search bar on the right allows filtering by city and university type. Below the list, there is a map of Turkey with several regions highlighted in red, indicating the locations of the listed universities. The map shows the Black Sea region, the Marmara region, and the central Anatolia region.

## Higher Education Institutions:

State  
Universities:  
129

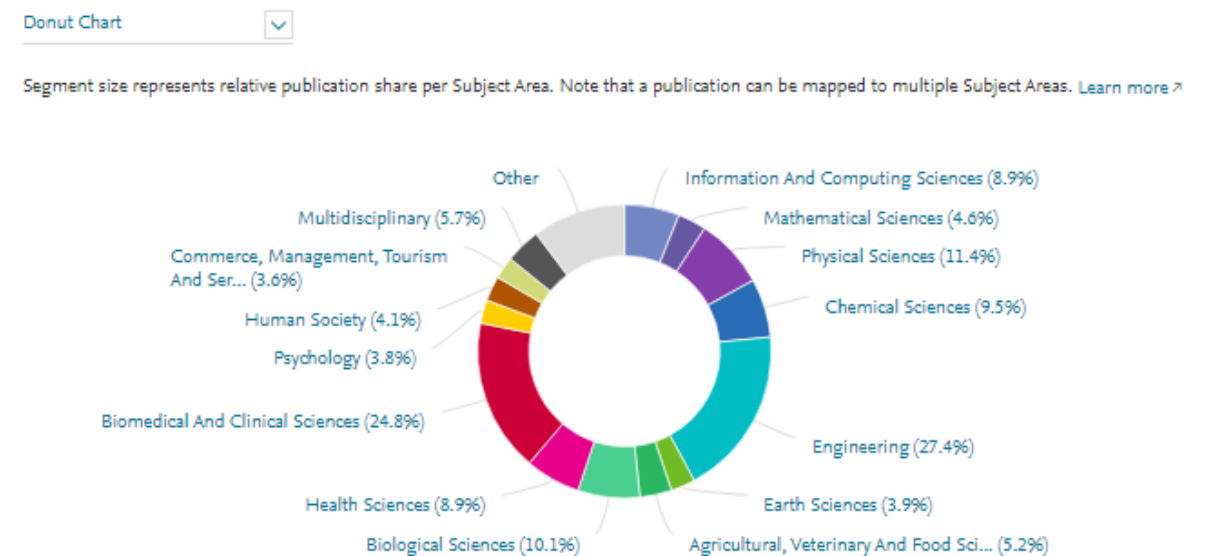
Foundation  
Universities:  
75

<https://www.yok.gov.tr/universiteler/universitelerimiz>

### Summary metrics



### Publication share by Subject Area



### Performance indicators

#### Outputs in Top Citation Percentiles ⓘ

+ Add to Reporting  
Publications in top 10% most cited worldwide  
 Show as field-weighted



> Analyze in more detail

#### International Collaboration ⓘ

+ Add to Reporting  
Publications co-authored with Institutions in other countries/regions



#### Publications in Top Journal Percentiles ⓘ

+ Add to Reporting  
Publications in top 10% journals  
by CiteScore Percentile



> Analyze in more detail

#### Academic-Corporate Collaboration ⓘ

+ Add to Reporting  
Publications with both academic and corporate affiliations



**Turkey produces %1.66 of the World's Publication**

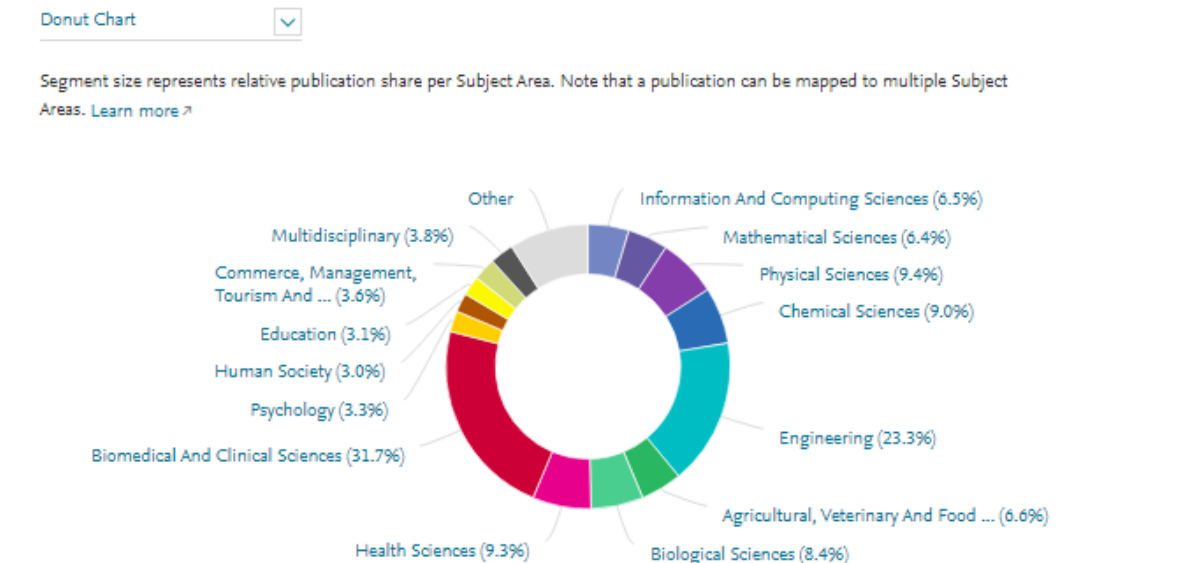
**%1.57 of the World's citation**

Scival – 26.03.2024

### Summary metrics



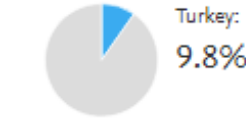
### Publication share by Subject Area



### Performance indicators

#### Outputs in Top Citation Percentiles ⓘ

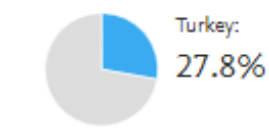
+ Add to Reporting  
Publications in top 10% most cited worldwide  
 Show as field-weighted



> Analyze in more detail

#### International Collaboration ⓘ

+ Add to Reporting  
Publications co-authored with Institutions in other countries/regions



#### Publications in Top Journal Percentiles ⓘ

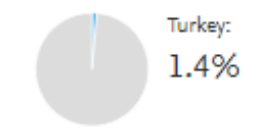
+ Add to Reporting  
Publications in top 10% journals  
by CiteScore Percentile



> Analyze in more detail

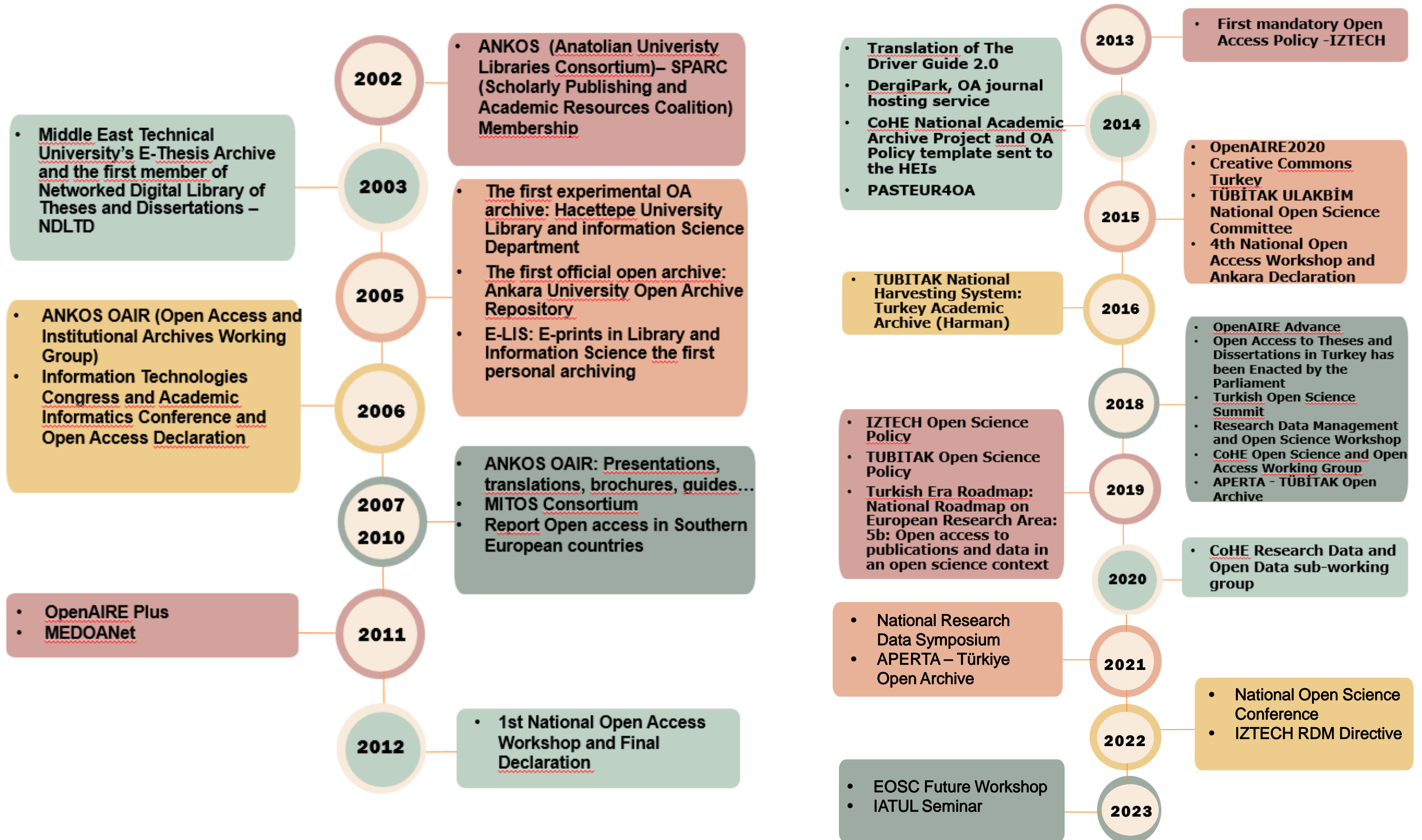
#### Academic-Corporate Collaboration ⓘ

+ Add to Reporting  
Publications with both academic and corporate affiliations





# Open Access Movement in Türkiye: Milestones



# Key Players for Open Science in Türkiye



## Council of Higher Education (CoHE)

- CoHE Open Science Committee
- CoHE Research Data and Open Data Task Force Sub-Working Group



## The Scientific and Technological Research Council of Türkiye

- TÜBİTAK Open Science Committee



## Anatolian University Libraries Consortium

- ANKOS Open Access and Institutional Repositories Working Group

## EC Projects



MedOANet (2011-2013)



PASTEUR4OA (2014-2016)



## OpenAIRE projects

- OpenAIRE Plus (2011-2014)
- OpenAIRE2020 (2015-2018)
- OpenAIRE Advance (2018-2021)



PATTERN (01.01.2023 – 30.06.2026)

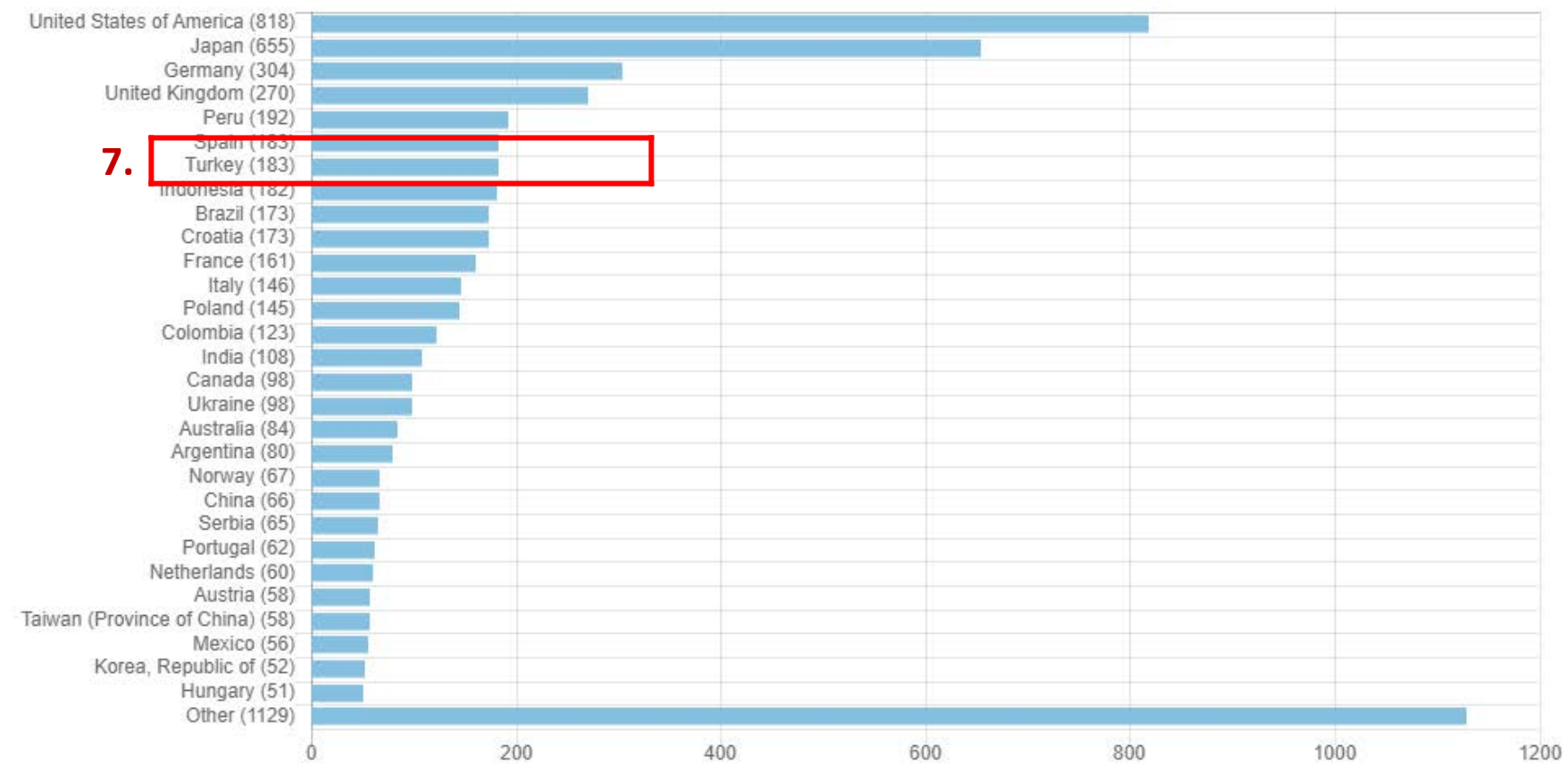


# OpenDOAR Statistics: Repositories by Country

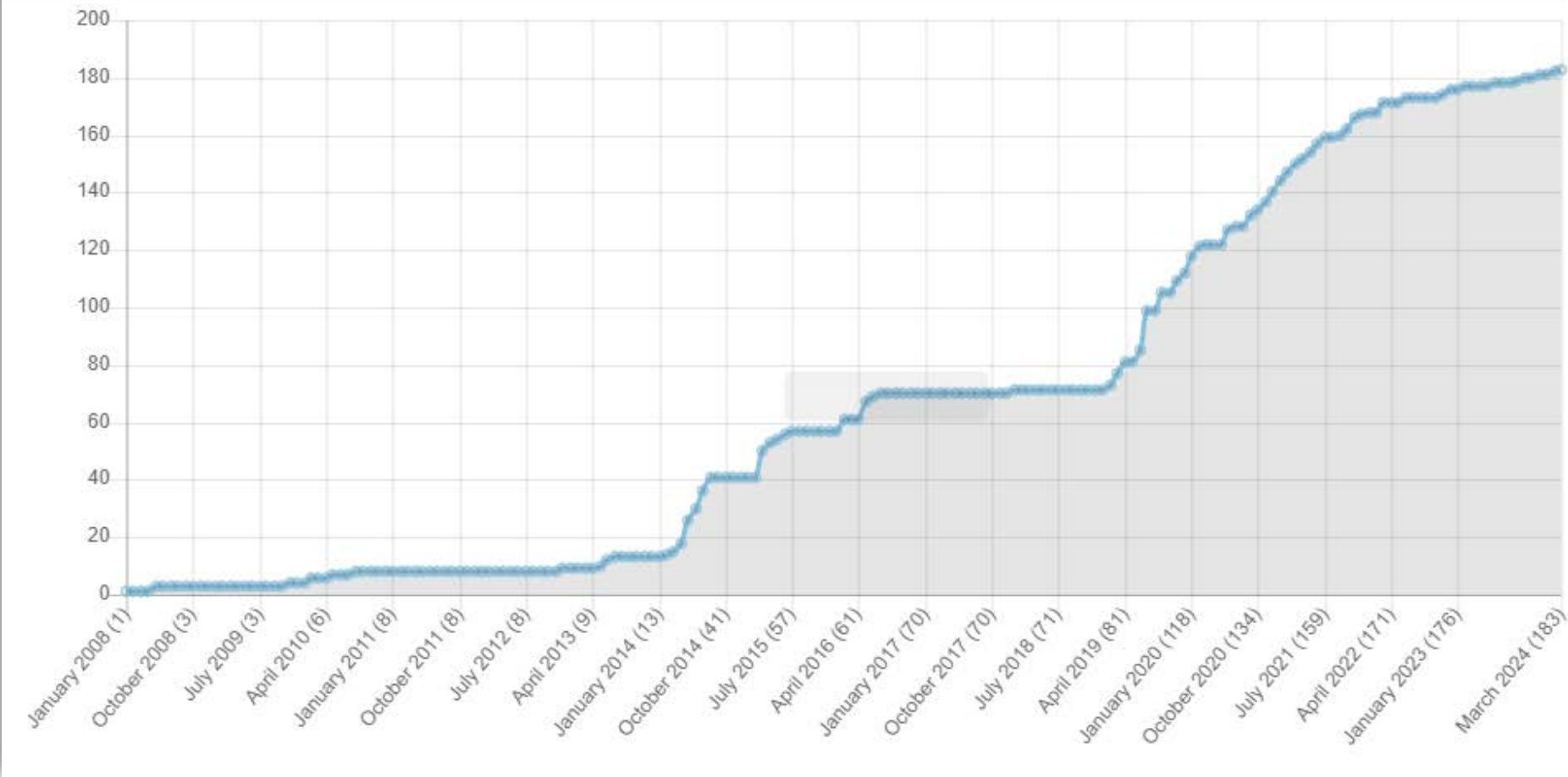
## OpenDOAR Statistics

An overview of the data held in OpenDOAR

### Repositories by Country



### Growth of OpenDOAR



[https://v2.sherpa.ac.uk/view/repository\\_by\\_country/Turkey.default.html](https://v2.sherpa.ac.uk/view/repository_by_country/Turkey.default.html)

Data as of March 28, 2024



**SCIENCE.  
SET FREE.**

**Open Science in Europe  
In Practice. Through OpenAIRE**



# Who is OpenAIRE

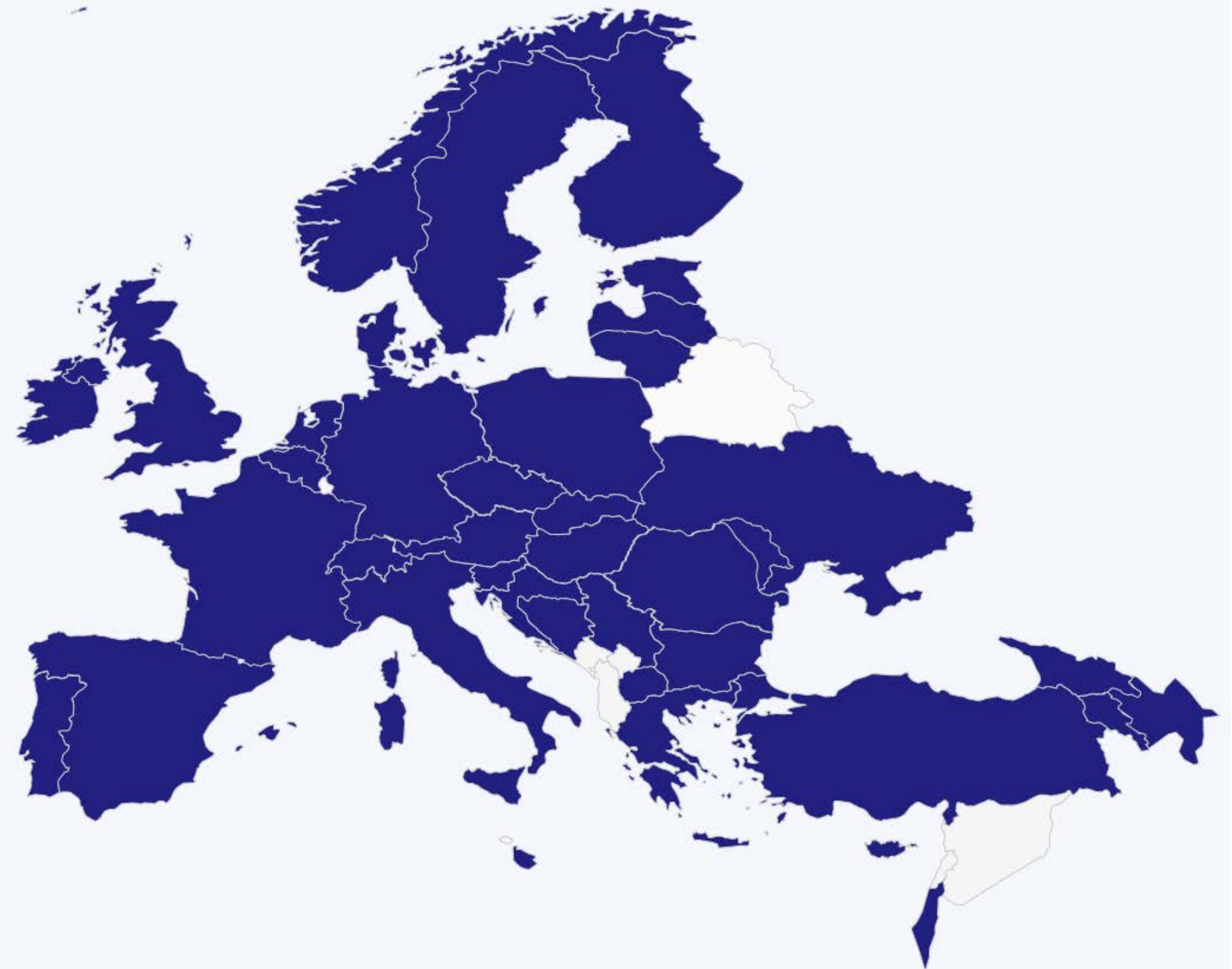
A European infrastructure on open scholarly communication since 2009

## Non-profit organisation

- Established Oct 2018
- Headquarter Greece, virtual office (15 staff)
- 47 members
- From 37 countries

Leaders in scholarly communication and Open Science

## A strong network community across Europe



# OpenAIRE - The Mission

Shift Scholarly Communication paradigm towards **transparency & accessibility**

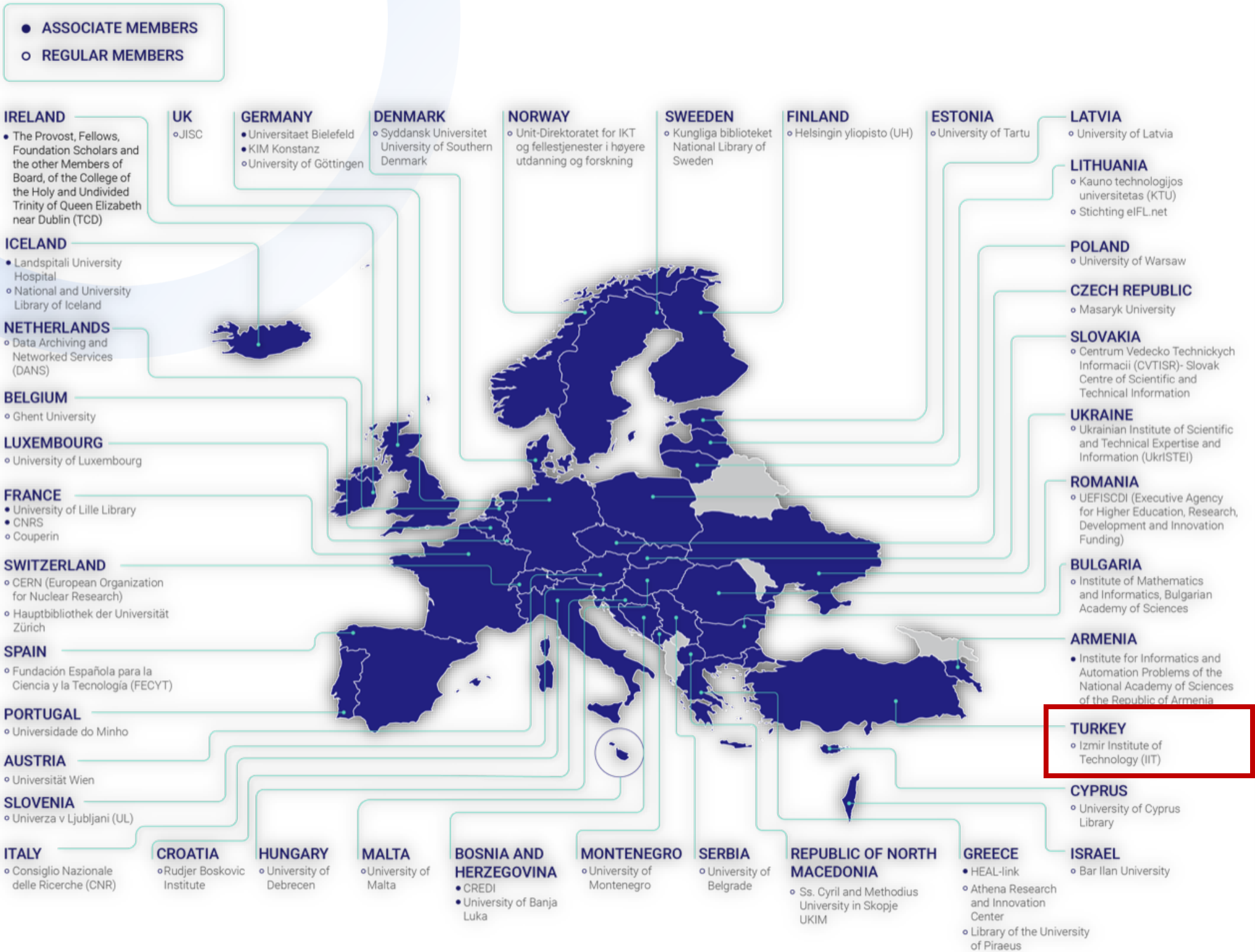
Support **compliance with OA policies**, contributing to more efficient scientific discovery and engagement with society at large.



Promote and implement Open Science practices, **enabling free access to research outputs**, including publications, data, software and methodologies.

Foster **sharing and collaboration** among researchers.

# IZTECH Member of OpenAIRE



<https://www.openaire.eu/amke-members>

## Executive Board

The Executive Board is composed of eight experts in Open Science. Its role is to steer, evaluate and advance the implementation of the strategic directions of the OpenAIRE e-Infrastructure.

The chair of the Executive Board and General Assembly is Inge Van Nieuwerburgh.



**Inge Van Nieuwerburgh**

Open Science expert, University of Ghent



**Pauli Assinen**

Head of Development, University of Helsinki



**Eloy Rodrigues**

Director of the University of Minho Libraries



**Birgit Schmidt**

Knowledge Commons Unit Head, Göttingen State and University Library



**Gultekin Gurdal**

Library Director, Izmir Institute of Technology



**Michal Růžička**

Head of the department of Data Security and Management, Computer Science, Masaryk University



**Elli Papadopoulou**

Open Science Research Associate, Athena Research Center



<https://www.openaire.eu/organisation>





# Events Organized and Attended by IZTECH

Open Science, Institutional Repositories, RDM, and Research Visibility and Impact etc...

## 2011 – 2024 April

- Participated in **154** events (**39** of which were international events)
- **137** presentations were made various region in Türkiye
- **17** webinars were held
- Involved in organizing **14** national workshops/conferences.

## 2011 – 2021 February In OpenAIRE Projects Scope

- Participated in **123** events (**26** of which were international events)
- **100** presentations were made various region in Türkiye
- **15** webinars were held
- Involved in organizing **11** national workshops/conferences.

- 1st National Open Access Workshop (OA 2012), Final Declaration, 08-09 November 2012, Ankara - <http://ae2012.acikerisim.org/>
- 1st International Semantic Network and Metadata Systems Conference, 7-8 March 2013, Izmir
- 2nd National Open Access Workshop (OA 2013), Final Declaration, 21-22 October 2013, Izmir - <http://ae2013.acikerisim.org/>
- 3rd National Open Access Workshop (OA 2014), Final Declaration, 20-21 October 2014, Ankara - <http://ae2014.acikerisim.org/>
- 4th National Open Access Workshop (OA 2015), Ankara Declaration, 19-21 October 2015, Ankara - <http://ae2015.acikerisim.org/>
- 5th National Open Access Conference (OA 2016), 27 October 2016, Ankara - <http://ae2016.acikerisim.org/>
- 6th National Open Access Conference and OpenAIRE2020 Workshop, 24-26 October 2017, Izmir, Declaration - <http://ae2017.acikerisim.org/>
- Turkish Open Science Summit, 10 September 2018, Istanbul - <https://summit2018.acikbilim.org/>
- Research Data Management and Open Science Workshop, 11 September 2018, Istanbul - <https://rdm.acikerisim.org/>
- On the way towards Open Science – Science Set Free- Seminar, 11 April 2019, Izmir - <https://libguides.iyte.edu.tr/acikbilimyolundaiyte>
- 7th National Open Science Conference and OpenAIRE Advance Workshop, 19-20 November 2019, Izmir - <https://os2019.acikbilim.org/>
- National Open Science Conference 20 October 2022, Istanbul <https://ab2022.acikbilim.org/>
- EOSC Train the Trainer Workshop 17-18 July 2023, Izmir <https://libguides.iyte.edu.tr/EOSCFuture>
- IATUL Fall Seminar 2023 4-7 September 2023, Izmir <https://libguides.iyte.edu.tr/iatulfall2023>



# Invited Speakers – OpenAIRE Network



Eloy Rodrigues



Natalia Manola



Pedro Principe



Elli Papadopoulou



José Carvalho



Tim Smith

# Turkish Open Science Summit:

## High level meeting with decision makers, key players



<http://summit2018.acikbilim.org/>

**September 10, 2018, Sakıp Sabancı Museum,  
Istanbul**

### Extensive Preparation Time and Strategic Planning

Organized  
by

Sabancı University,  
Izmir Institute of Technology,  
The Scientific and Technological Research  
Council of Turkey (TUBITAK),  
Hacettepe University  
Anadolu University Libraries Consortium  
(ANKOS).

Attended  
by  
170 people  
and 1.342  
people also  
followed  
the  
conference  
via online.

Administrators of the Turkish Higher  
Education Council (CoHE),  
Administrators of the Turkish Scientific and  
Technological Research Council (TUBITAK),  
University Rectors,  
Vice Rectors,  
High-level representatives of industrial  
organizations  
NGOs.

# The First Meeting on Research Data Management

A day after Turkish Open Science Summit “Research Data Management and Open Science Workshop” was held at Bogazici University, Istanbul with nearly 200 participants.



By the cooperation of TUBITAK, Bogazici University, İzmir Institute of Technology and Hacettepe University.



**Speakers:** Most of the invited speakers for the Open Science Summit.

**September 11, 2018, Bogazici University, Istanbul**

<http://rdm.acikerisim.org/>

# Impact of the Turkish Open Science Summit

Immediate invitation  
by COHE to brief them  
about open science  
principles

CoHE established an  
official Open Science  
Committee

Two meetings were held with  
President of CoHE in October  
and December 2018

CoHE established Research  
Data and Open Data Task  
Force Sub-Working Group



# Türkiye's Roadmap for Universities

## 5b: Open access to publications and data in an open science context

Open Access and Open Science constitute basis for increased visibility, increased citations, equal access (including disabled people), wider dissemination of scientific knowledge and research results. The impact of open access is favourable in terms of capturing value out of research and achieving increased returns to public investment in research.

Council of Higher Education (YÖK) together with TÜBİTAK are leading the processes for enabling open access at national scale. The national level strategies and actions would be complemented by university level activities for open access.

### Objective 5b: Promoting and implementing an Open Science and Open Access approach

YÖK formed a Commission on Open Access including the rectors, related faculty members, TÜBİTAK representatives and library documentation experts. In this context, YÖK highlighted the importance of establishment of the "Open Academic Archive System" in the international standards in all universities, the integration of the university archives into "Open Access" (OpenAIRE)" through Harman (national installation of OpenAIRE software), and using of "Universal Researcher Numbers (ORCID)".

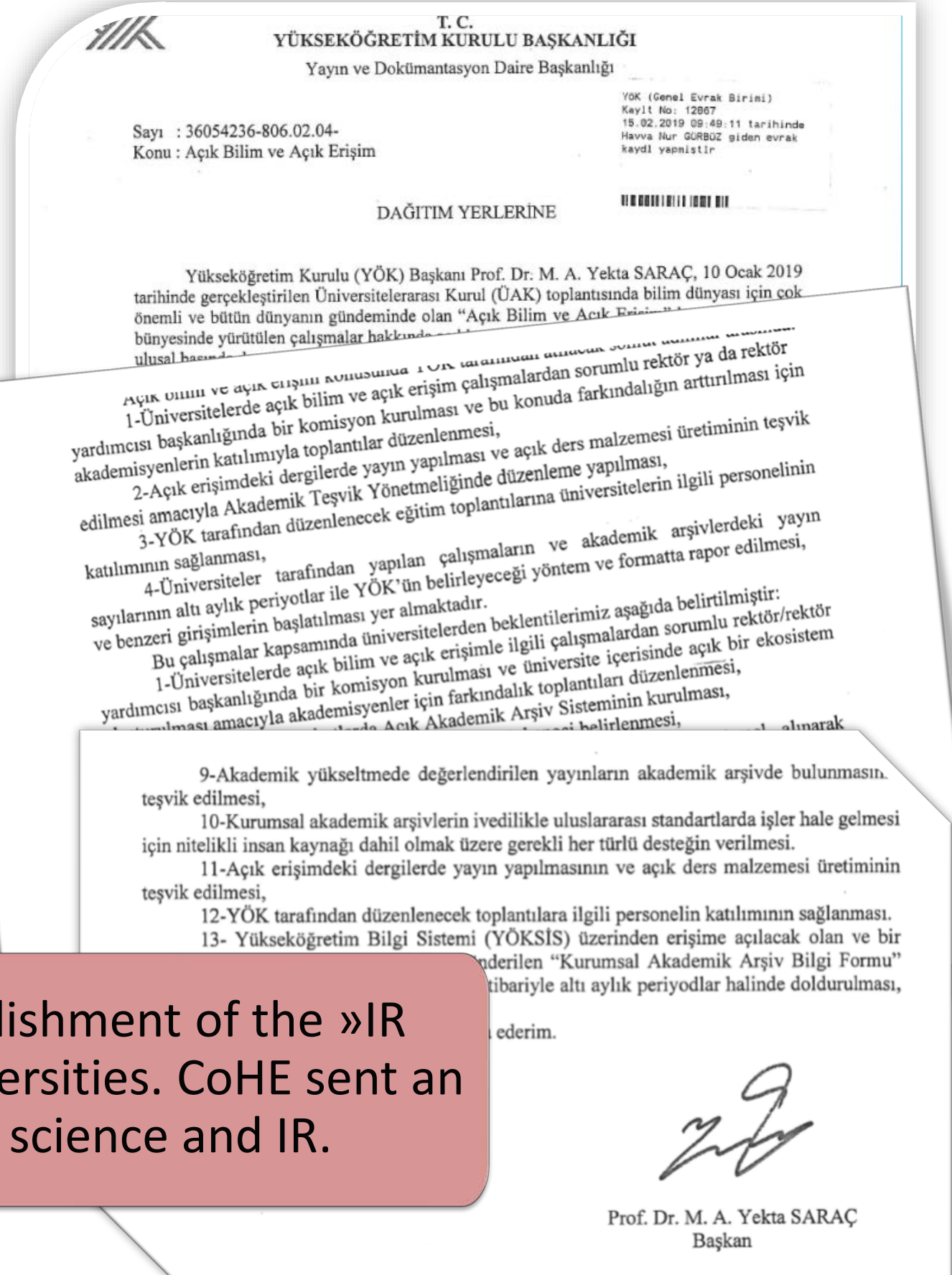
Concrete steps are declared by YÖK as of January 2019:

- Reporting of the work carried out by universities and the number of publications in open academic archives in a method and format determined by YÖK in six-month periods,
- Establishing a commission under the chairmanship of the rector / vice-rector responsible for open access and open science studies at universities and organizing awareness meetings to develop a clear ecosystem within the university,
- Revision of the Academic Incentive Regulation in order to promote publishing in open access journals and production of open education material,
- Ensuring the participation of the relevant staff of the universities in the meetings and trainings organized by YÖK.

In 2019, TÜBİTAK will take decisive cooperation with YÖK:

- Adoption of TÜBİTAK's Open Science
- Adoption of the timeline: 2019-2020 as the year of transition for all support programmes
- Launching pilot call with Open Science requirements in the second half of 2019
- Setting up of the [aperta.ulakbim.gov.tr](http://aperta.ulakbim.gov.tr) (Institutional Repository for TUBITAK and Research Data Management to serve all universities) as a live system (live)

CoHE highlighted the importance of the establishment of the »IR System" in the international standards in all universities. CoHE sent an official letter to all universities about open science and IR.



# TUBITAK ULAKBİM Open Science

**DergiPark**  
AKADEMİK

Dergipark

<https://dergipark.org.tr/en/>

2014

**aperta**  
TÜRKİYE AÇIK ARŞİVİ

TUBITAK Open Archive Aperta  
<https://aperta.ulakbim.gov.tr/>

2016

2018

**TRUBA**  
Türk Ulusal Bilim e-Altyapısı

Turkish National e-Science e-Infrastructure (TRUBA)  
EOSC European Open Science  
Cloud membership  
<http://www.truba.gov.tr/index.php/eosc-hub-2/>

2019

2020



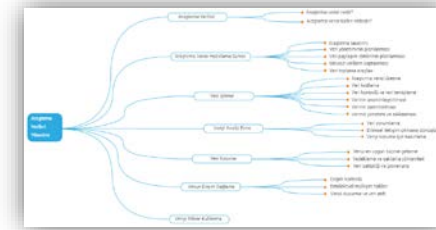
Open Science  
Portal

2021

2022

**Harman**  
Türkiye Akademik Arşivi

National Harvesting System:  
Türkiye Academic Archive  
<https://harman.ulakbim.gov.tr/>



Research Data Management  
Training Portal  
<https://acikveri.ulakbim.gov.tr/>

**aperta**  
TÜRKİYE AÇIK ARŞİVİ

Aperta Turkey Open Archive

# DergiPark- National Open Journal Hosting Platform

**DergiPark**  
AKADEMİK

<https://dergipark.org.tr/en/>

**Happy 100th Anniversary of the Turkish Republic.**

We commemorate the Founder of our Republic, Veteran Mustafa Kemal ATATÜRK, and our martyrs with mercy, our hero veterans with gratitude.



DergiPark supports national academic journals to gain presence following international standards and increase their visibility.

Search on DergiPark

Search by title, author, keyword, ISSN, DOI and more | [Click For Advanced Search](#)

It's one of the biggest data providers to OpenAIRE.

OpenAIRE EXPLORE

Search Deposit Link Data sources

2,799 Data Sources, Page 1 of 280

DOWNLOAD RESULT

Filters Clear All

Type (1)

- Journal Archive (2,799)

Compatibility Level (2)

- collected from a compat... (2,090)
- Not yet registered (709)

Collected from (2) Clear

- TÜBİTAK ULAKBİM DergiPark (2,799)
- DOAJ Articles (2)

Thematic (1)

- No (2,799)

Journal

**NATURENGS**

COLLECTED FROM A COMPATIBLE AGGREGATOR

Website URL: <https://dergipark.org.tr/pub/naturengs>

1 2 3 4 5 >


29th Year



Pamukkale University Journal of Education

e-ISSN: 1309-0275 ISSN: 1301-0085


18th Year



Current Approaches in Psychiatry

e-ISSN: 1309-0674 ISSN: 1309-0658

25th Year



Journal

e-ISSN: 2791-...

Article 670.687

Journal 2.835

Researcher 647.322

Publisher 1.280



# Türkiye Academic Archive: Harman

Harman  
Türkiye Akademik Arşivi

Hakkında Arama Arşiv Bilgileri Başvuru Harmanlama Kuralları İletişim

<https://harman.ulakbim.gov.tr/>

## Türkiye Akademik Arşivi

"Açık Arşivlere Açılan Kapı"

Arşivlerde ara...



Detaylı Arama

**It harvests IRs in  
Turkey compliant  
with international  
standards.**

**166 institutions  
3.687.239 records**

Toplam 166 kurumda ve 3.687.239 kayıt içerisinde arama yapabilirsiniz...

Açık Arşivinizdeki içeriğin uluslararası standartlarda harmanlanması ve erişilmesi için Harman'a katılın.

Harman'a katılacak Açık Arşivlerin:

- Yayın üst verilerinin standartlara uygun olması,
- Düzenli olarak güncellenmesi,
- Sorunsuz olarak çalışması

kurumların sorumluluğundadır.

# TUBITAK Open Archive: APERTA

aperta TÜRKİYE AÇIK ARŞİVİ

Arama

Yükle Topluluklar Hakkında Yardım Giriş Yeni Kayıt

<https://aperta.ulakbim.gov.tr/>

## Son yüklenen çalışmalar

2024 (v1) Konferans bildirisi Açık Erişim Görüntüle

### OPTIMAL OVERCURRENT RELAY COORDINATION IN DISTRIBUTION NETWORKS USING PATH FINDER ALGORITHM

Mert Bekir Atsever; Mehmet Hakan Hocaoğlu

Distribution networks play an important role in delivering the generated energy to the end user. It is designed to ensure an uninterrupted energy supply. Many undesirable events occur during the operation of distribution networks. Some of these events are faults. High amplitude currents and/or voltages are observed during faults in the distribution network. In both cases, it causes problems in the healthy operation of the distribution network. Especially during three-phase faults, high amplitude fault currents create dangerous stresses in the system elements and surrounding environment....

Yüklenme tarihi: 25/03/2024

2024 (v1.0) Veri seti Açık Erişim

### PHACTboost prediction of...

Nurdan Kuru; Onur Dereli; B...

Most algorithms that are used for sequence alignment of multiple sequences. However, a majority of such algorithms require a high degree of sequence alignment of multiple sequences. We had introduced PHACTboost, a gradient boosting method that leverages phylogenetic tree information from... PHACTboost, a gradient boosting method that leverages phylogenetic tree information from...

Yüklenme tarihi: 24/03/2024

2024 (v1) Dergi makalesi Açık Erişim

### Caprock integrity at the base of a gas reservoir from magnetotelluric data

Büyük; Karaman

The impermeable caprock at the base of a gas reservoir, resulting in an effective seal, is a critical factor in the long-term stability of the reservoir. The magnetotelluric (MT) method is a powerful tool for imaging the subsurface resistivity structure of the Earth's crust. In this study, we present the results of a magnetotelluric survey conducted in the Karaman region, Turkey, which is a major gas reservoir. The MT data were inverted to obtain a 3D resistivity model of the subsurface. The results show that the caprock at the base of the reservoir is highly resistive, indicating a good seal. This finding is crucial for the long-term stability of the reservoir and the safety of the gas production process.

Institutional Repository for TUBITAK & Research Data Repository to serve all universities

Provide open access to scientific publications and research data by adopting the "TUBITAK Open Science Policy."

aperta TÜRKİYE AÇIK ARŞİVİ

Arama

Yükle Topluluklar Hakkında Yardım Veri seti Açık Erişim

## Database Covering the Previously Excluded Daily Life Activities

2023 Şenay Mihçin; Ahmet Mert Sahin; Mehmet Yılmaz; Serap Sahin; Sevinc Akdeniz; Aliye Tosun

### Database Covering the Previously Excluded Daily Life Activities

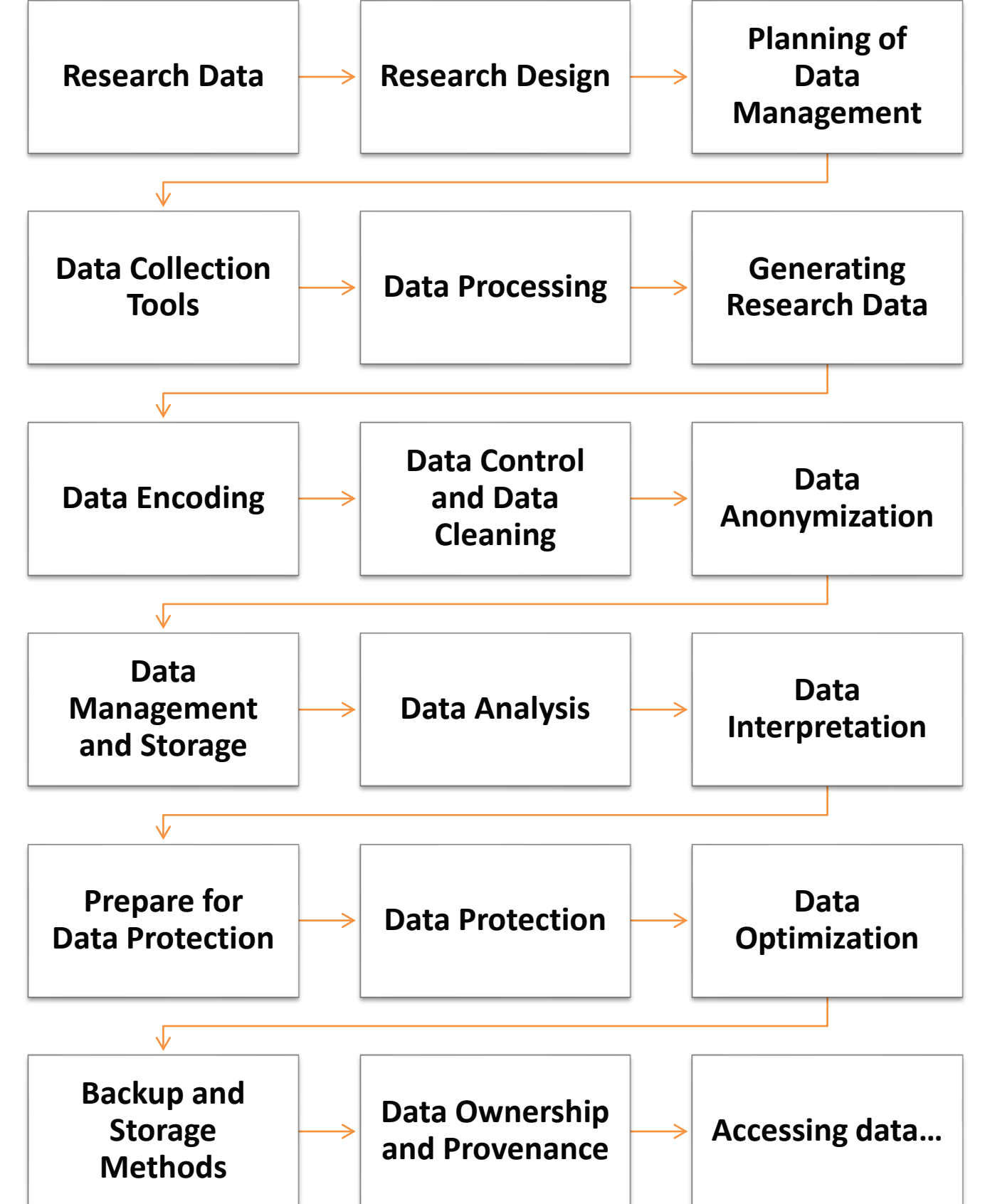
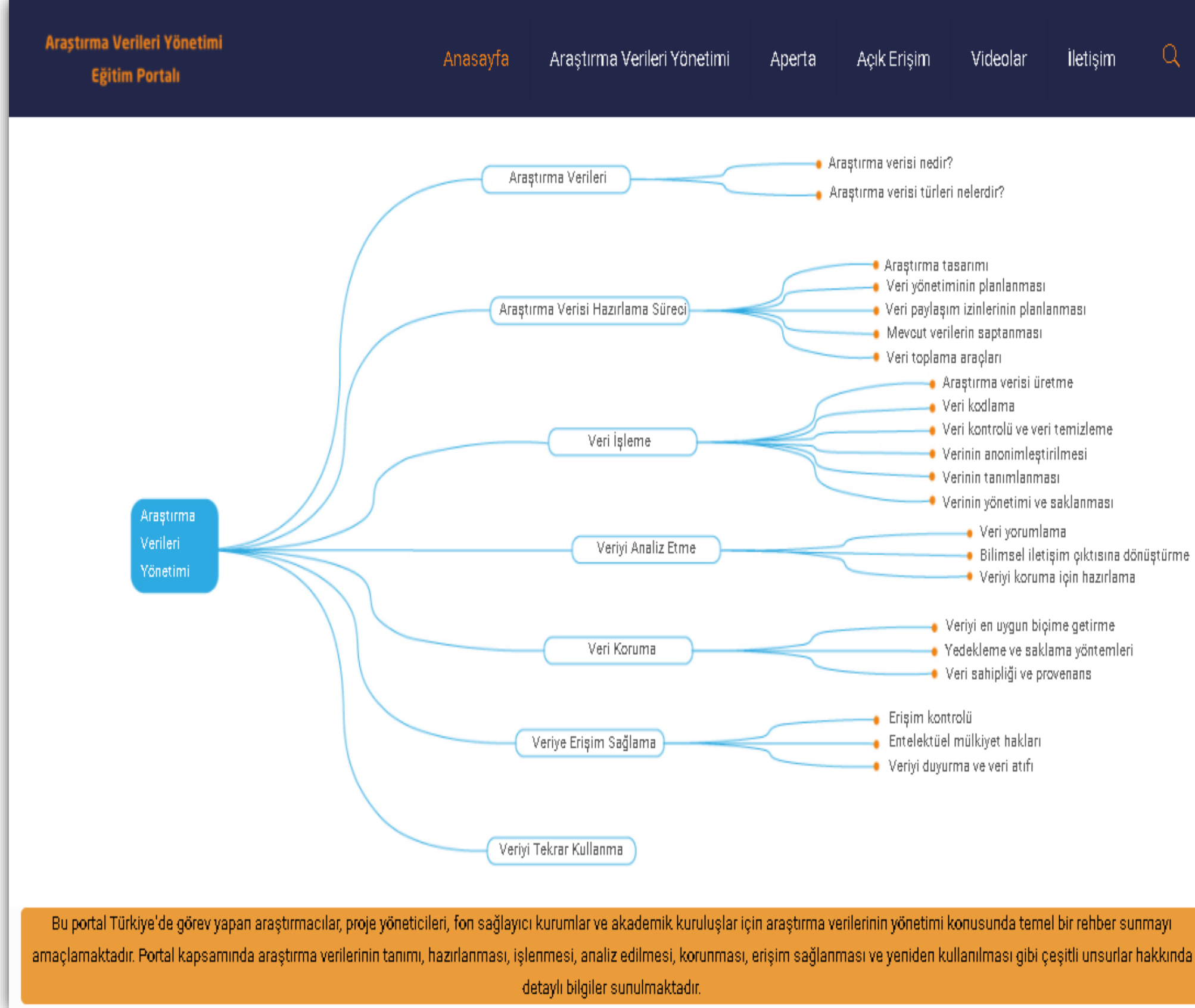
In biomedical engineering, implants are designed according to the boundary conditions of gait data and tested against. However, due to diversity in cultural backgrounds, religious rituals might cause different ranges of motion and different loading patterns. Especially in the Eastern part of the world, diverse Activities of Daily Living (ADL) consist of salat, yoga rituals, and different style sitting postures. Although databases cover ADL for the Western population, a database covering these diverse activities of the Eastern world, specific to these populations is non-existent. To include previously excluded ADL is a key step in understanding the kinematics and kinetics of these activities. By means of developments in motion capture technologies, excluded ADL data are captured to obtain the coordinate values to calculate the range of motion and the joint reaction forces. This study focuses on data collection protocol and the creation of an online database of previously excluded ADL activities, targeting 200 healthy subjects via Qualisys and IMU motion capture systems, and force plates, from West and Middle East Asian populations. Anthropometrics are known to affect kinematics and kinetics which are also included in the collected data. The current version of the database covers 50 volunteers for 12 different activities, the database aims for 100- male and 100- female healthy volunteers as the final target including C3D and BVH file types. The tasks are defined and listed in a table to create a database to make a query based on age, gender, BMI, type of activity and motion capture system. The data is collected only from a healthy population to understand healthy motion patterns during these previously excluded ADLs. The collected data is to be used for designing implants to allow these sorts of activities to be performed without compromising the quality of life of patients performing these activities in the future.

Önizleme

bvh\_database.zip

S0051_M_A24_B22_AST_S.bvh	548.7 kB
S0051_M_A24_B22_CHT_S.bvh	858.6 kB
S0051_M_A24_B22_CLS_S.bvh	1.1 MB
S0051_M_A24_B22_GAIT_S.bvh	194.7 kB
S0051_M_A24_B22_OBC_S.bvh	230.2 kB
S0051_M_A24_B22_RAI_S.bvh	462.8 kB
S0051_M_A24_B22_RTS_S.bvh	756.0 kB
S0051_M_A24_B22_SJD_S.bvh	629.0 kB
S0051_M_A24_B22_SQL_S.bvh	674.7 kB
S0051_M_A24_B22_STC_S.bvh	1.3 MB
S0051_M_A24_B22_STL_S.bvh	819.9 kB
S0051_M_A24_B22_TUG_S.bvh	1.6 MB
S0052_M_A23_B29_AST_S.bvh	405.6 kB

# Research Data Management Training Portal





<http://www.truba.gov.tr/index.php/en/eosc-hub/>

## EOSC-hub Project

 > EOSC-hub Project

**EOSC European Open Science  
Cloud Membership**

### Services for the European Open Science Cloud




<https://www.eosc-hub.eu/>

EGI, EUDAT, and INDIGO Data Cloud projects, with unique open access to research data and services through the EOSC-hub project, are planning to lay the foundations of EOSC. The project will present these resources as "Hub".

EOSC-hub is the first and one of the major implementation projects of EOSC. It significantly contributed to the shaping of the service portfolio, the technical architecture, the interoperability standards, the modelling of the Minimum Viable EOSC, and the Rules of Participation. You can access the EOSC-hub Booklet from [here](#).

# Open Access to Theses : National Policy

# Funder Policy: TUBITAK Open Science Policy



THIS BLOG HAS BEEN DISCONTINUED. Please acc

## Open Access to Theses and Dissertations in Turkey has been Enacted by the Parliament

Gültekin Gürdal | 2018-08-07 | country highlights | Add Reply


This has been an extremely important improvement for the open access in Turkey. The Council of Higher Education (YÖK) National Theses Center and Turkey OpenAIRE NOAD had worked for the compulsory open access to theses and dissertations. As a result of these efforts, the Law numbered 7100 has been entered into force upon publication of the Official Gazette and dated March 06, 2018. According to this article, which is numbered 2547:

“Unless a decision of secrecy is taken by the authorized institution, all graduate theses shall be opened to access in electronic environment through the National Theses Center of the Council of Higher Education in order to contribute to the scientific world.”

It is compulsory to send all theses and dissertations to YÖK National Theses Center after the said provision entered into force, “The Directive on Collecting, Archiving and Access The Theses and Dissertations in Electronic Environment” is prepared by the National Theses Center and OpenAIRE NOAD Turkey and shared with the scientific world.

Before this regulation, theses and dissertations were closed to access except for the request of the respective author. However, it is no longer possible to access theses and dissertations except for the provisions of the regulation. In other words, it is not enough to close theses and dissertations, but also university administration should be responsible. This improvement is an important step in the liberation of science. Hereafter, all theses and dissertations from Turkey will be available to the scientific world.

The rate of OA Theses and Dissertations raised over %97



THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY

Home Page

## TUBITAK Open Science Policy

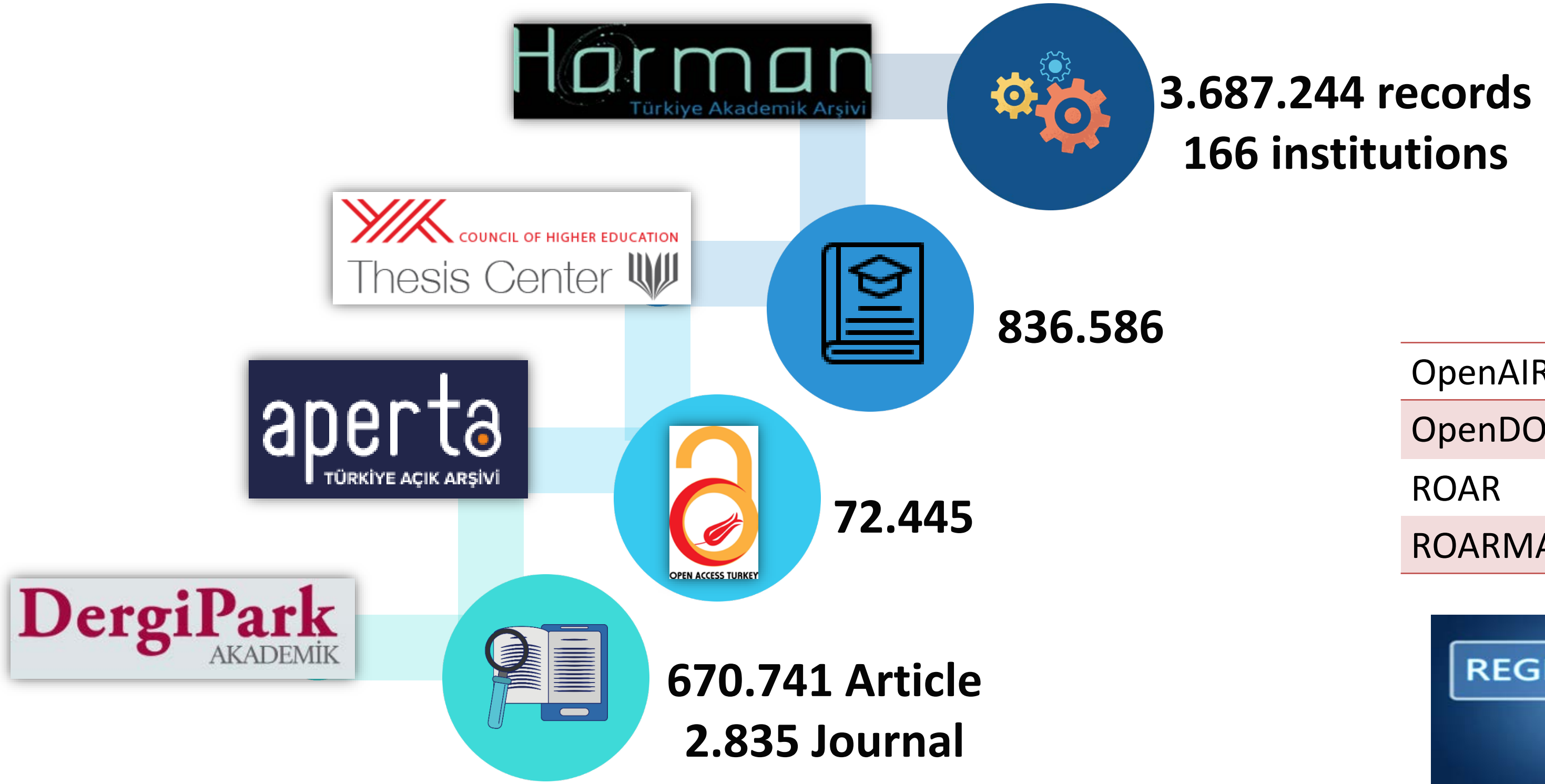
Policy Title:

The management, storage, archiving, compilation and digital protection of the publications and research data originated from the projects which have been carried out or supported by The Scientific and Technological Research Council of Turkey (TUBITAK) constitute the framework of TUBITAK's Open Science Policy.

Purpose:

The concept of Open Access was first introduced in 2002 as "free availability of scientific literature on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, index them, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than

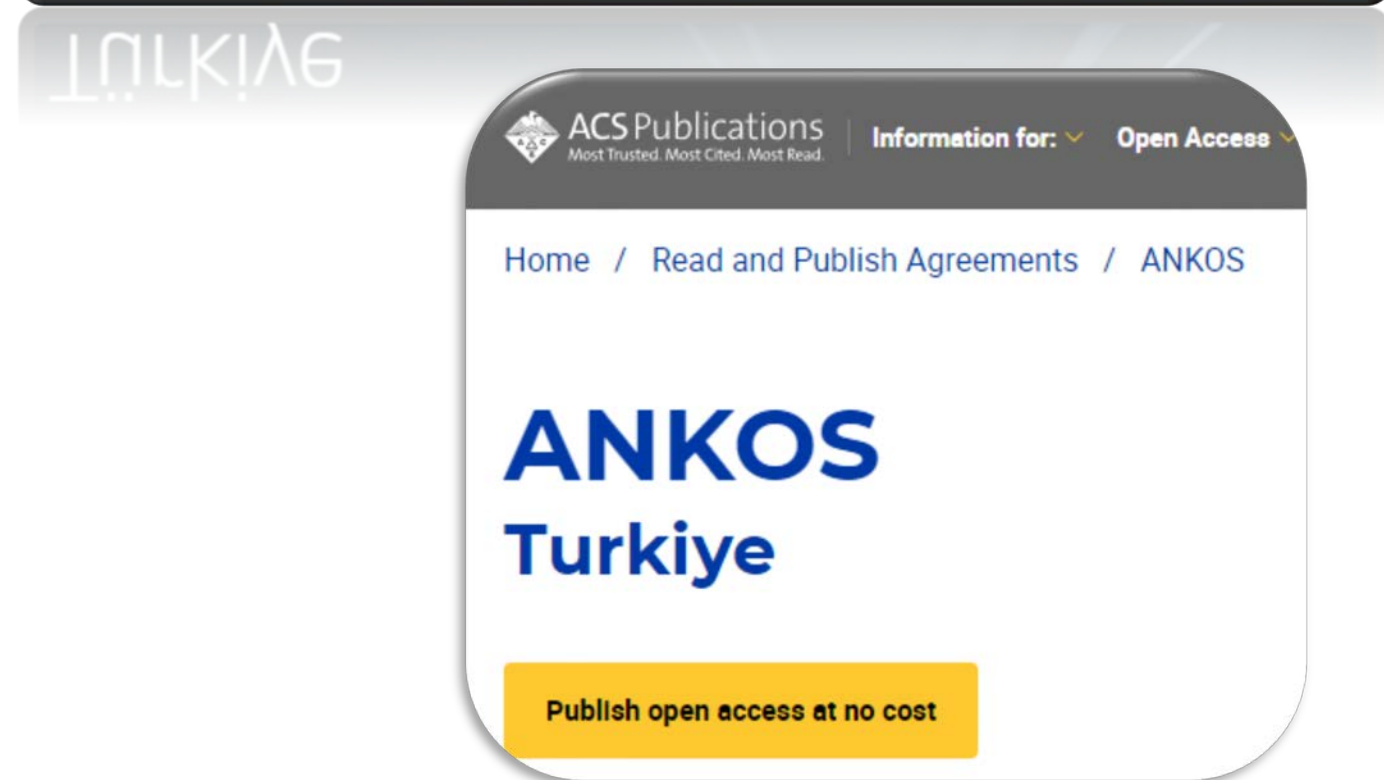
# Open Science Infrastructures of Türkiye- The Numbers



OpenAIRE	185
OpenDOAR	183
ROAR	170
ROARMAP	116



# TÜRKİYE – Transformative Aggrements (Read and Publish)



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ACM (American Computing Machinery Digital Library - ANKOS

---

American Chemical Society –ANKOS (A limited number of articles per subscriber institution)

---

Cambridge University Press - ANKOS

---

IOPScience - ANKOS

---

Springer Nature - EKUAL / TÜBİTAK (County Quota)

---

Karger Dergileri - ANKOS (3 articles per subscriber institution)

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Royal Society Chemistry – ANKOS (A limited number of articles per subscriber institution)

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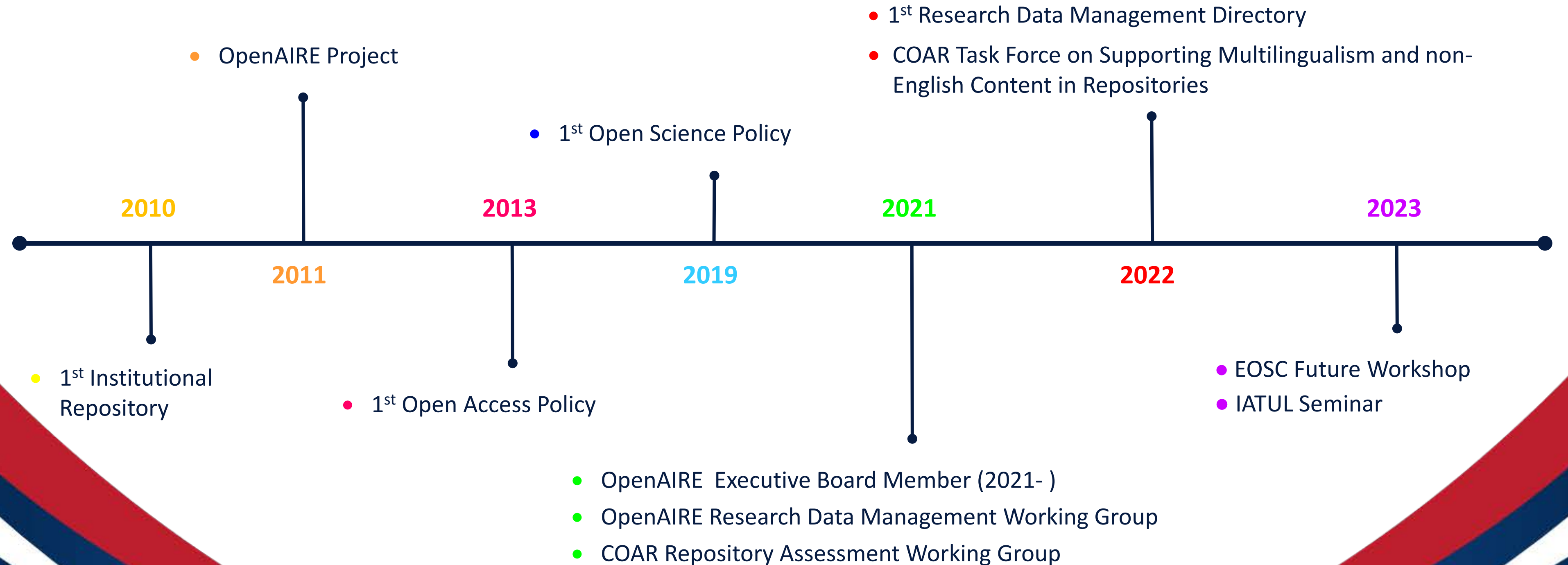
SAGE (APC Discount) - ANKOS

---

Wiley – EKUAL / TÜBİTAK (County Quota)

# IZTECH: Pioneer of Open Science in Türkiye

## Open Science Movement in IZTECH Milestones





# IZTECH Open Access and Open Science Policies

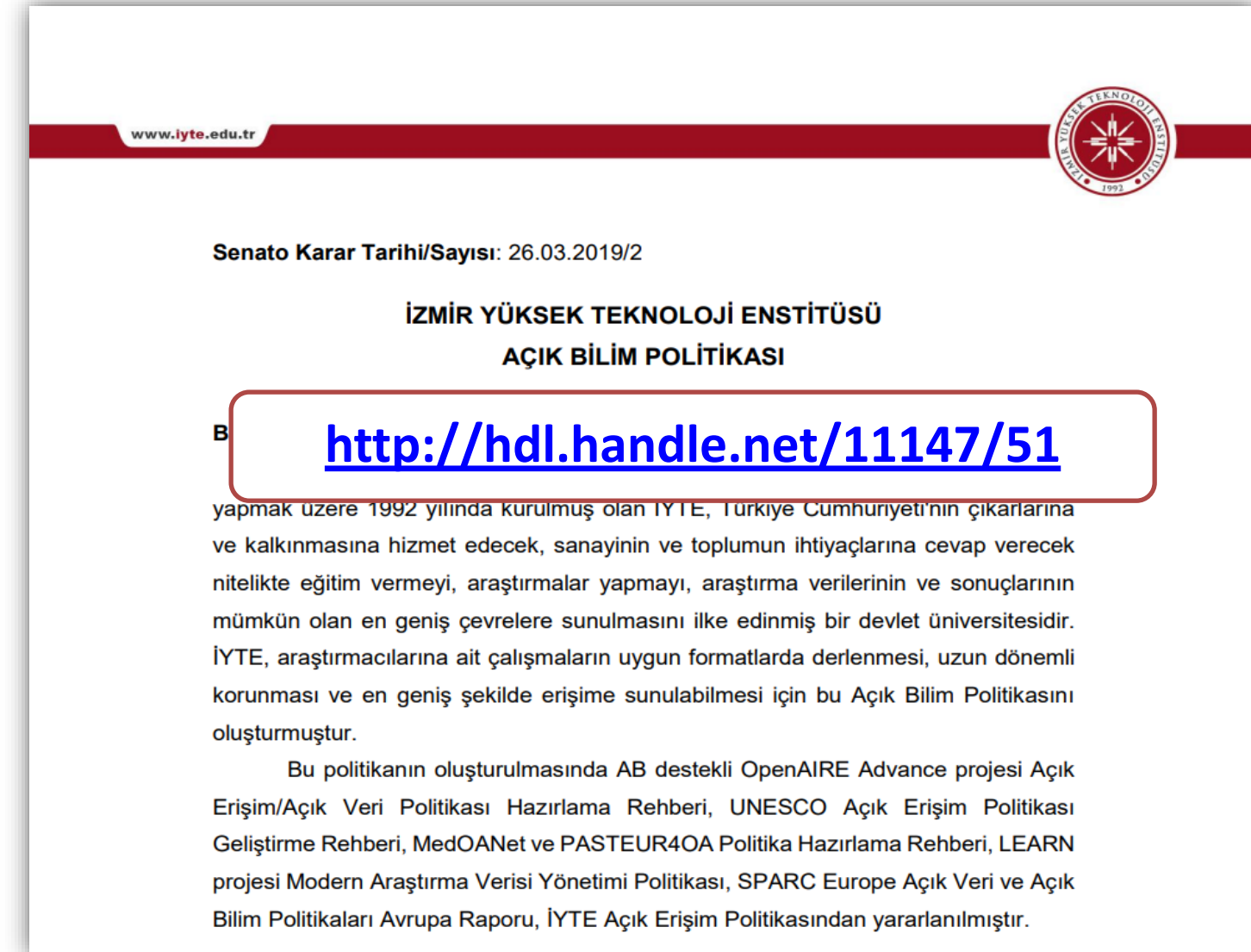


IZTECH Open Access Policy was approved by IZTECH Senate on 08 October 2013.

IZTECH Policy was the first Open Access Policy in Turkey.

It was sent to other Turkish universities as a model policy by CoHE.

2013



- Translated OpenAIRE model Policy on Open Science for Research Performing Organisations (RPOs) into Turkish and adapted it to Izmir Institute of Technology (IZTECH) as a model.
- IZTECH Open Science Policy was approved by IZTECH Senate on 26 March 2019.
- This policy, the first Open Science Policy in Turkey, includes details on both publications and research data.
- It was sent to other Turkish universities as a model policy by CoHE.

2019



Data Steward



Policy



Events and Trainings



Support for Data Management Plans

## Research Data Management (IZTECH)

Türkiye's first data steward staff (2021)

Türkiye's first Research Data Directory (2022)

Hosted the Online National Research Data Symposium

Open science and research data webinars.

RDM guides and documents

One-to-one support to researchers for preparing Data Management Plans

# IZTECH: EU Projects

## PATTERN.

**Empowering Higher Education Institutions by trainings for researchers on Open and RRI practices**

Claudia Isallo, Alessio Livio Spera, Cristina Ribeiro Do Canto Lagido, Azza Salnikova  
VAPRE, Italy; Aarhus University, Denmark; ESF, France; isallo@vapre.it

### IN A NUTSHELL

PATTERN aims at promoting the practice of Open and Responsible Research and Innovation by developing and piloting training activities for researchers at all stages of their careers.

<b>8</b> transferable skills on Open Responsible Research and Innovation	<b>14</b> Higher Education Institutions testing PATTERN training
<b>8</b> training modules	<b>1</b> innovative PATTERN platform
<b>+100</b> training activities	

### TARGETS

 <b>Researchers</b> <small>Who will benefit from the trainings</small>	 <b>Higher Education Institutions</b> <small>Who will deliver the trainings Who is responsible for researchers' trainings</small>
 <b>Civil society</b> <small>Who will interact with researchers trained through PATTERN</small>	 <b>Policymakers</b> <small>Who will influence the trainings organization in HEIs</small>



## **DEVELOPING RESEARCH CAPACITY THROUGH INSTITUTIONAL REPOSITORY NETWORK IN AZERBAIJAN [DIRNA]**

<b>3</b>	<b>8</b>	<b>8</b>	<b>3</b>
<b>PROJECT DURATION (YEAR)</b>	<b>WORKPACKAGES</b>	<b>AZERBAIJANI PARTNERS</b>	<b>EUROPEAN PARTNERS</b>



# Türkiye's First Research Information System: **GCRIS**



**GCRIS**

New  
Generation  
Institutional  
Repository

Research  
Information  
System

Decision  
Support  
System



RESEARCH  
ECOSYSTEMS

# Benefits of migrating to GCRIS





# IYTE GCRIS Database

GCRIS Database is a research and performance evaluation information system that enables searching and discovering all research outputs within the Izmir Institute of Technology research ecosystem, associating these outputs with researchers, providing advanced reporting with different metrics, and supporting corporate strategic decisions. Besides, it is an institutional repository at international standards that brings together and organizes all kinds of academic outputs related to research activities and allows sharing with the whole scientific world by providing long-term preservation.

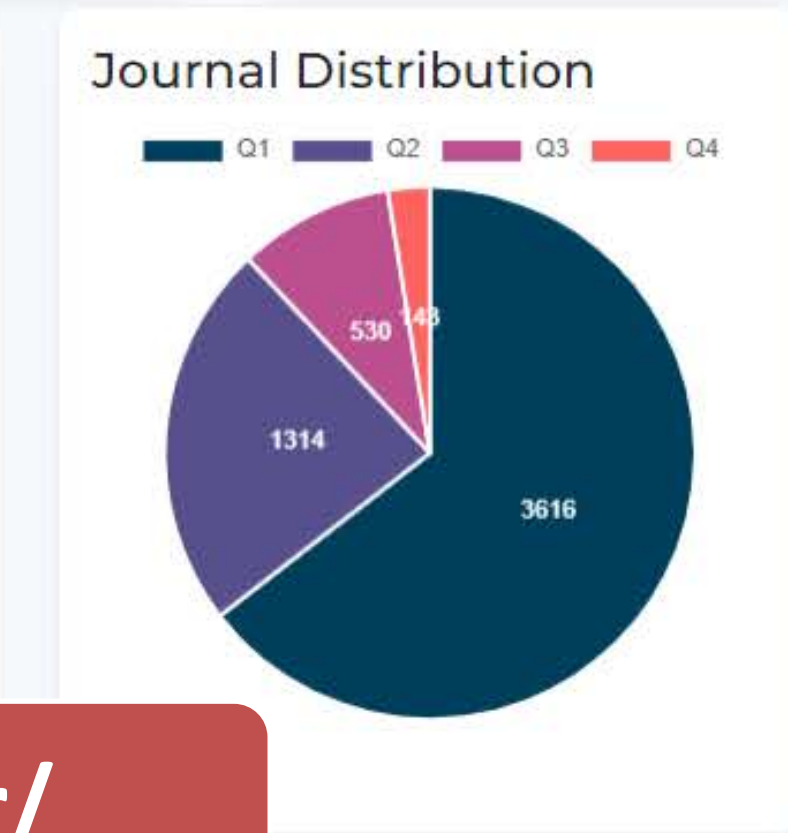
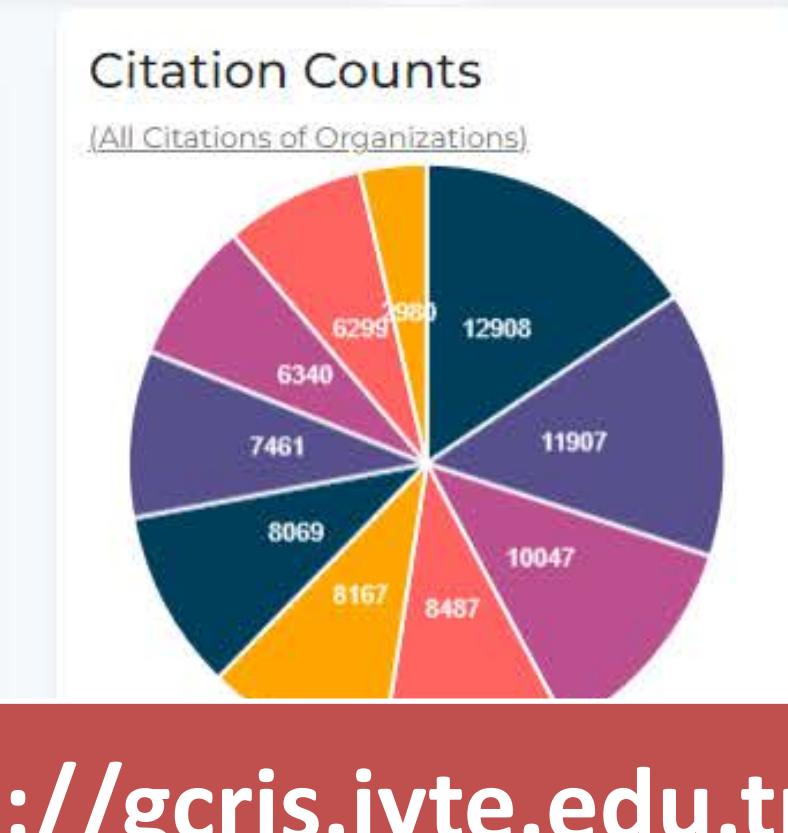
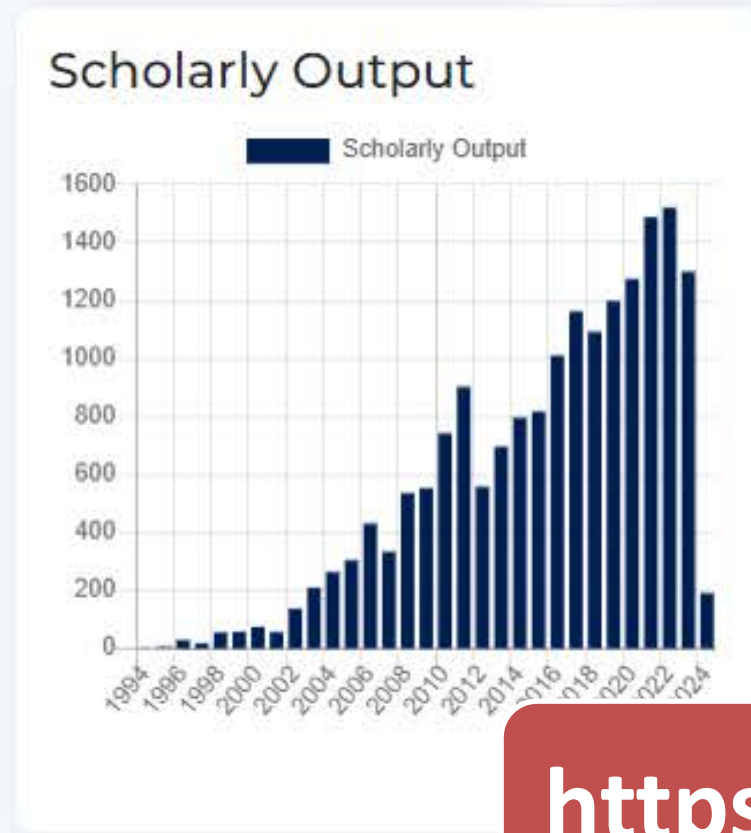
  

 Publications  
**10586**

 Organisations  
**30**

 Researchers  
**316**

 Projects  
**1093**



<https://gcris.iyte.edu.tr/>



**Publication**  
10586

**Project**  
1093

**Patent**  
17

**GCRIS**

**Equipment**  
322

**Dataset**  
4

**Thesis**  
2782

**Researcher**  
316

**Award**  
189



# Baran, Yusuf

Network Lab | Bibliometrics | Email Alert | Print

Variants: Baran, Y., Baran, Y.

Main Affiliation: 04.03. Department of Molecular Biology and Genetics

Email: yusufbaran@iyte.edu.tr

Other Emails: ybaran@gmail.com

ORCID: 0000-0002-1056-4673

Scopus Author ID: 9636164400

WoS Researcher ID: F-8535-2012

Google Scholar: Google Scholar

YÖK Academic: YÖK Academic

Website: Web Site

Documents: CV

Status: Current Staff

### Sustainable Development Goals Report Points



# Researcher Profile

### Scopus<sup>®</sup>

99 Documents | 3727 Citations | 33 h-index | 306 Co-authors

Scopus's all publications.

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### Google

188 Documents | Citations 6185 / 3644 | h-index 40 / 24 | i10-index 81 / 51 | Co-authors 0

All / Since 2016

Citation Per Year

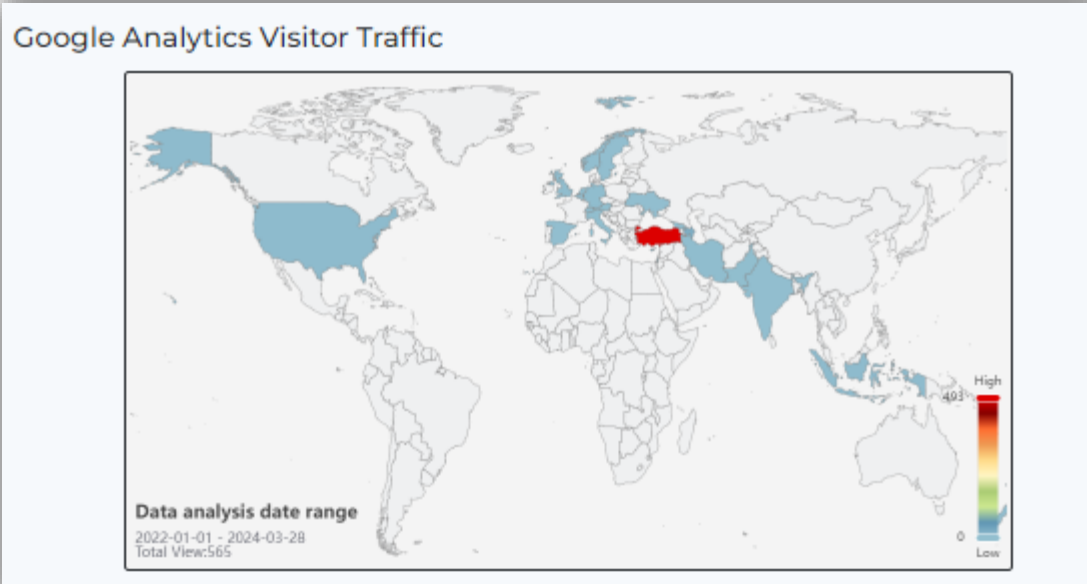
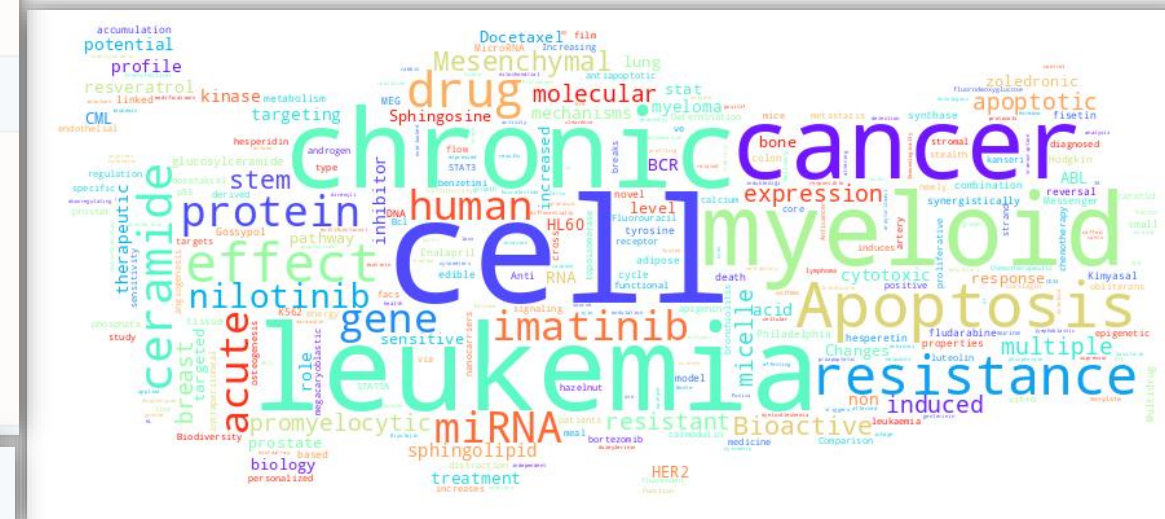
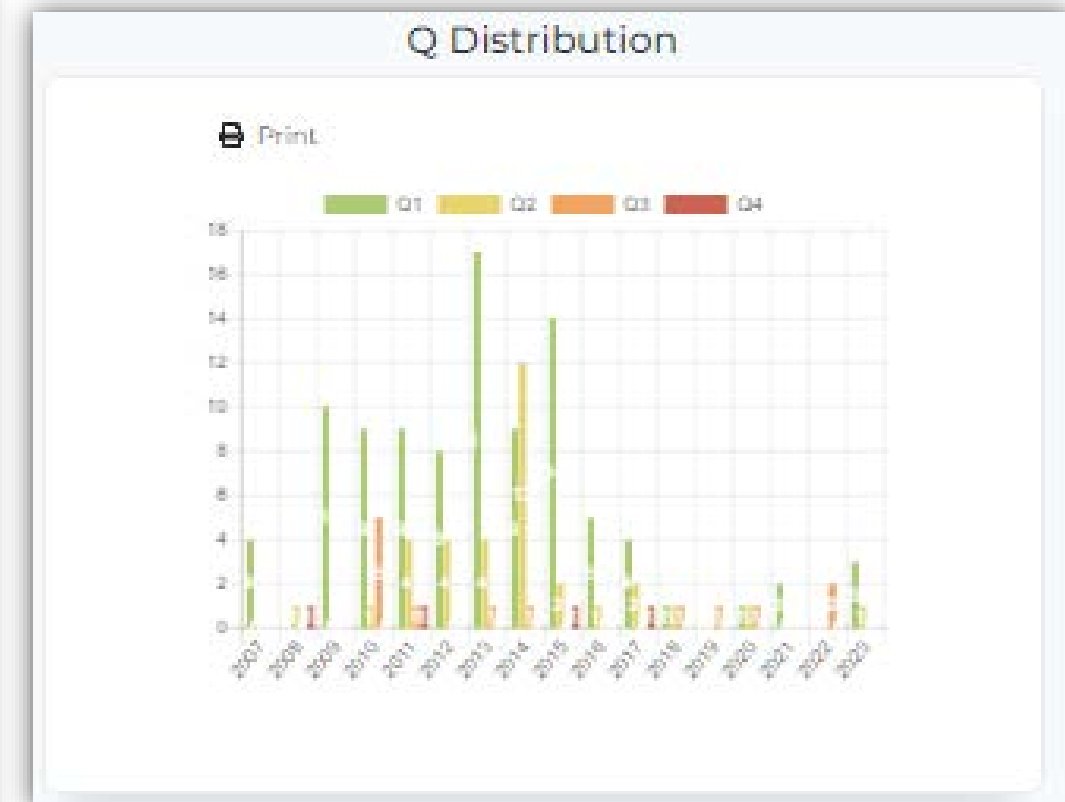
Interests

---

### IVTE

157 Scholarly Output | 3299 Citation Count | 1.46 Field Weighted Citation Impact | 16 Supervised Theses

All internal publications.





# GCRIS: Organization Units Analytics

## Organizational Unit Overview Report

04.03. Department of Molecular Biology and Genetics

### Overall Performance



IYTE



Print

885

Scholarly Output

605

Journal Articles

17165

Citations

4.5M/714.1K

Views / Downloads

58

H-Index

358

I10-Index

1.24

Field Weighted Citation Impact

183

Supervised MScTheses

31

Supervised PhDTheses

5

Patents

123

Projects

28.37

Citations per Publication

974

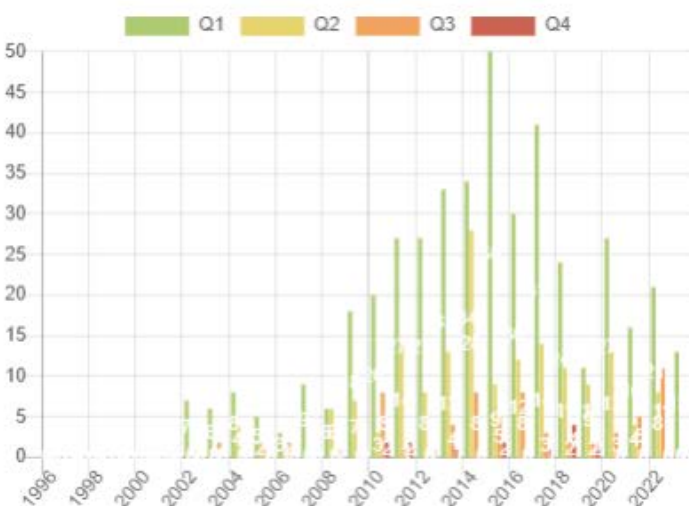
Open Access Source

\* Citation and index related metrics [Scopus](#) data were used to calculate.

### Scholarly Output



### Q Distribution



### Journals



Journal ↑↓	Count ↑↓
Haematologica	34
Turkish Journal of Biology	16
Methods in Molecular Biology	11
PLoS ONE	9
Leukemia Research	9
Hematology	8
Euphytica	7
Journal of Integrative Bioinformatics	7
Molecular Biology of the Cell	7
Journal of Biological Chemistry	6

1 2 3 4 5 > >>

### Competency Cloud



# GCRIS: Advance Reporting Dashboard

## Quick Reports

## Organization

[Dashboard Reports](#)[Charts](#)

## Researcher

[Dashboard Reports](#)[Charts](#)

## İstatistikler

Açık Erişim Yayın Sayısı 7636

PubMed Bibliyografik Yayın Sayısı 1041

PubMed Tam Metin Yayın Sayısı 687

Scopus Bibliyografik Yayın Sayısı 5268

Scopus Tam Metin Yayın Sayısı 4277

TRdizin Bibliyografik Yayın Sayısı 323

TRdizin Tam Metin Yayın Sayısı 275

WoS Bibliyografik Yayın Sayısı 5482

WoS Tam Metin Yayın Sayısı 4010

Parameter:

Articles

Organizations:

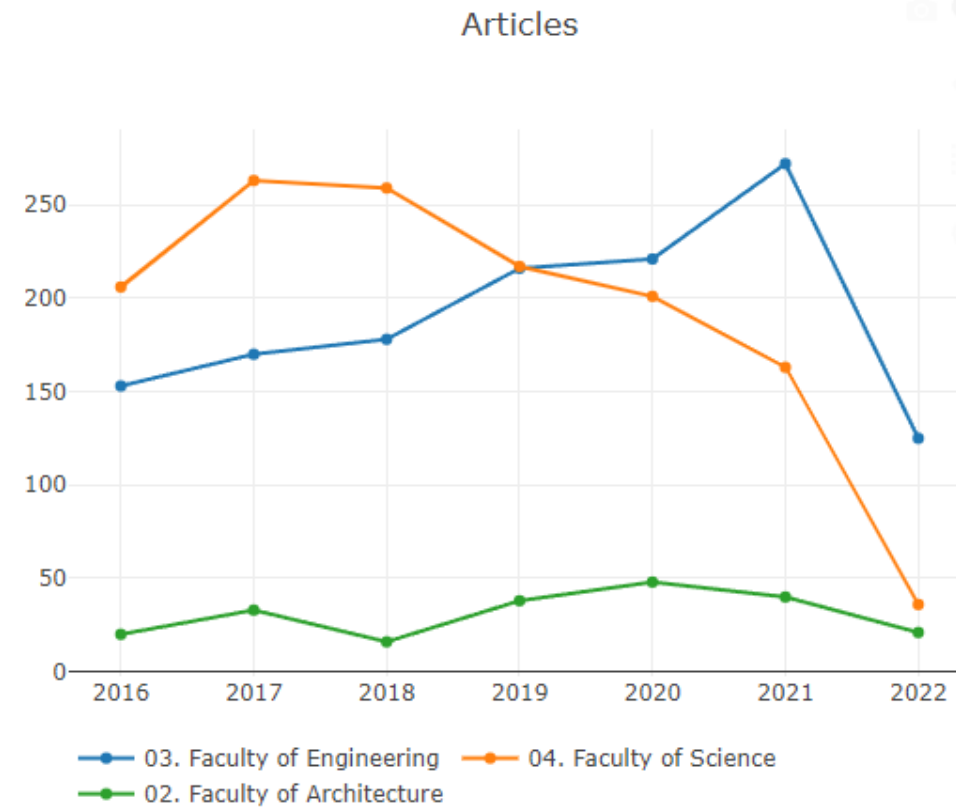
03. Faculty of Engineering x 04. Faculty of Science x 02. Faculty of Architecture x

Year Range:

2016

2022

Refresh



#	Organizations	Parameter	Total Count
1	03. Faculty of Engineering	Articles	1335.00
2	04. Faculty of Science	Articles	1345.00
3	02. Faculty of Architecture	Articles	216.00



# IYTE GCRIS Database

GCRIS Database is a research and performance evaluation information system that enables searching and discovering all research outputs within the Izmir Institute of Technology research ecosystem, associating these outputs with researchers, providing advanced reporting with different metrics, and supporting corporate strategic decisions. Besides, it is an institutional repository at international standards that brings together and organizes all kinds of academic outputs related to research activities and allows sharing with the whole scientific world by providing long-term preservation.

Search

<https://gcris.iyte.edu.tr/>



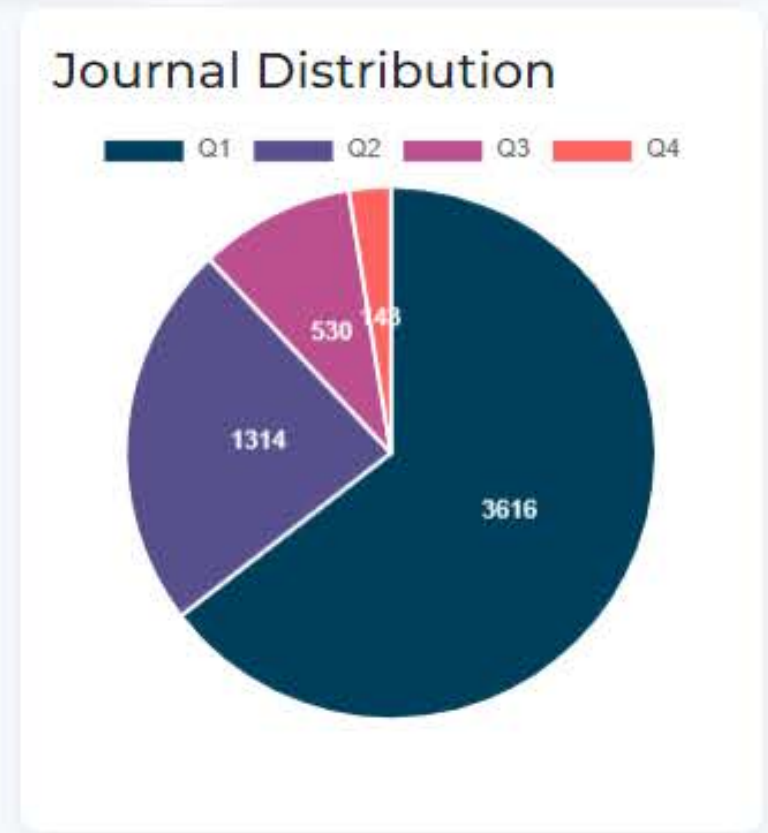
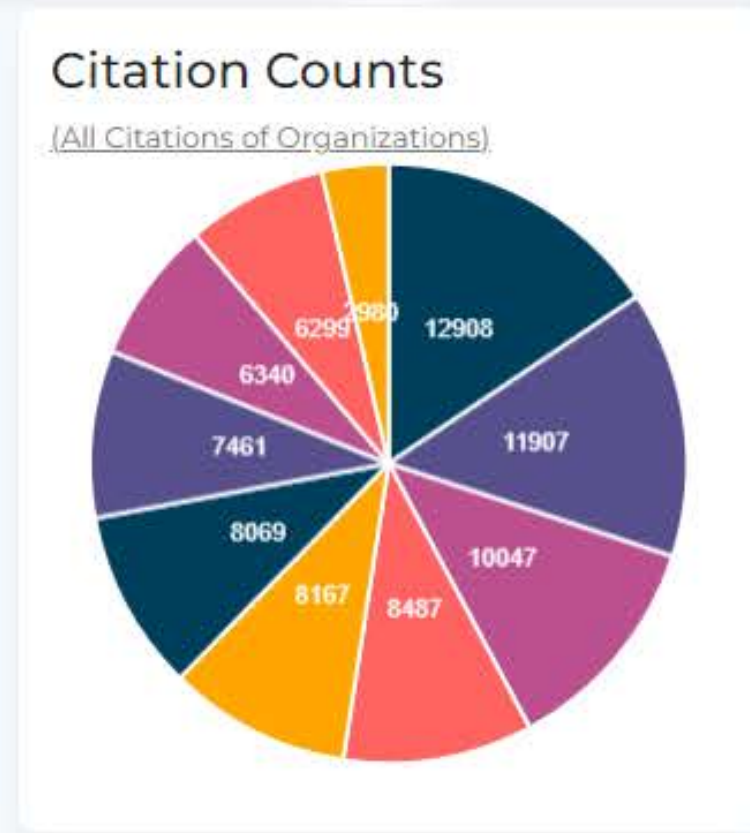
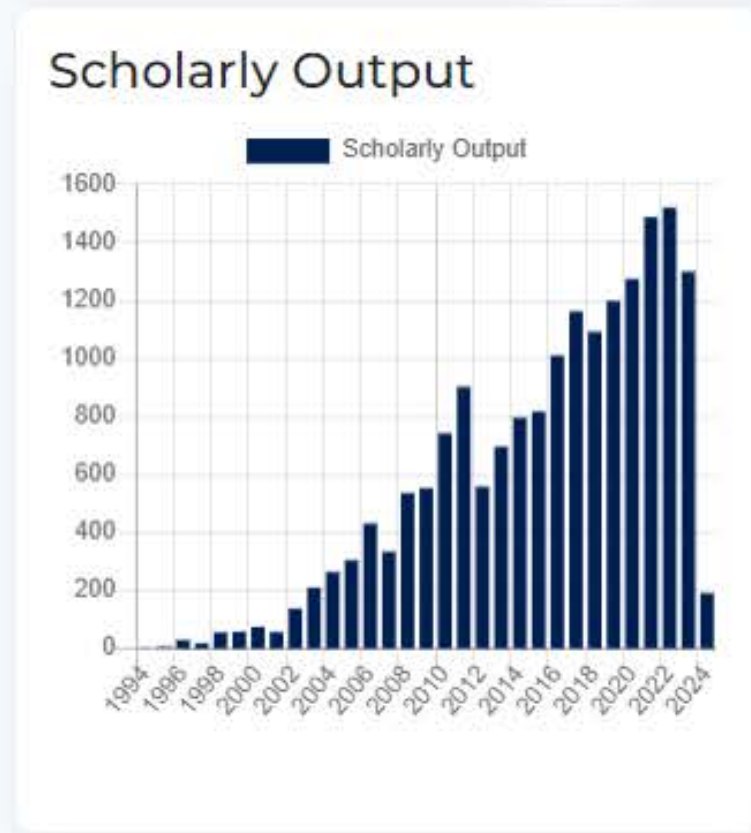
All

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 Researchers  
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 Projects  
**1093**

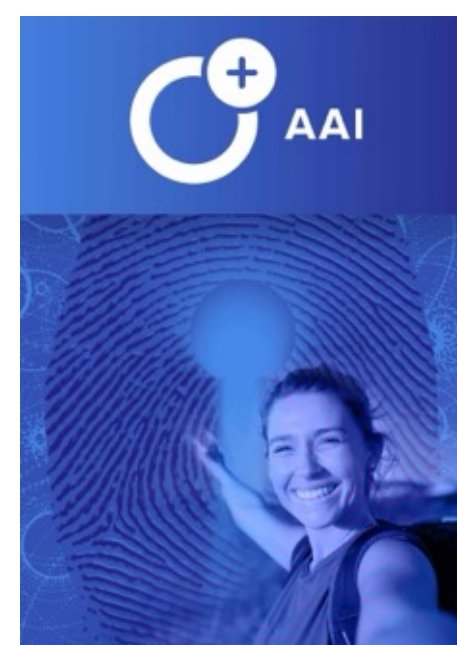
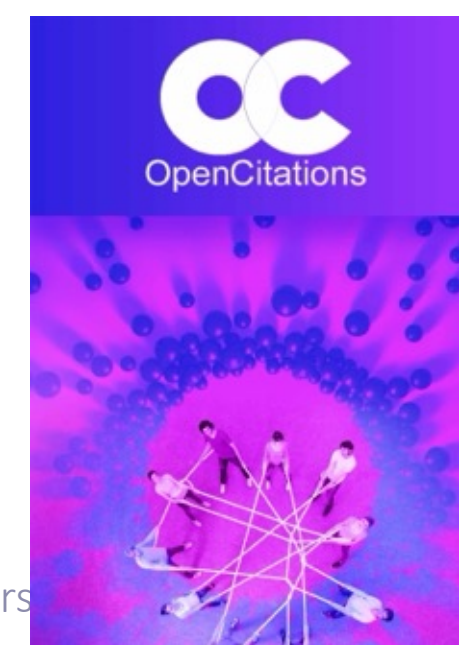
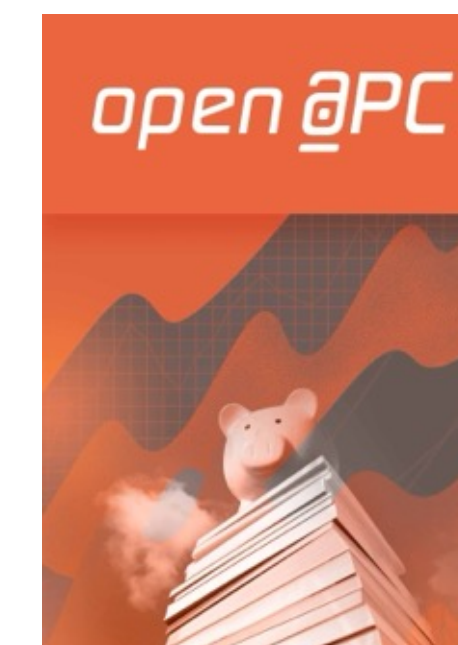
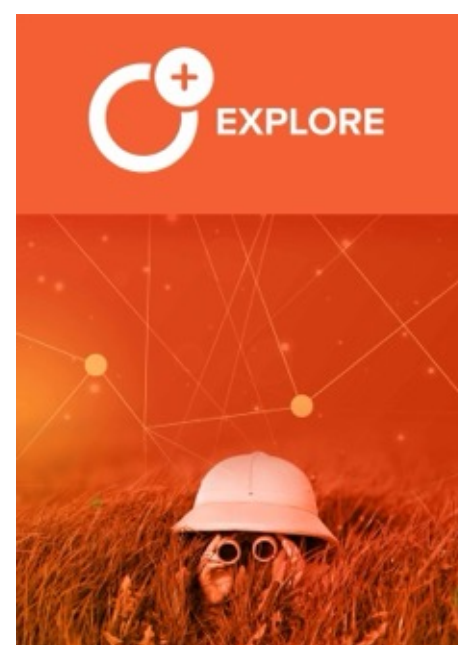
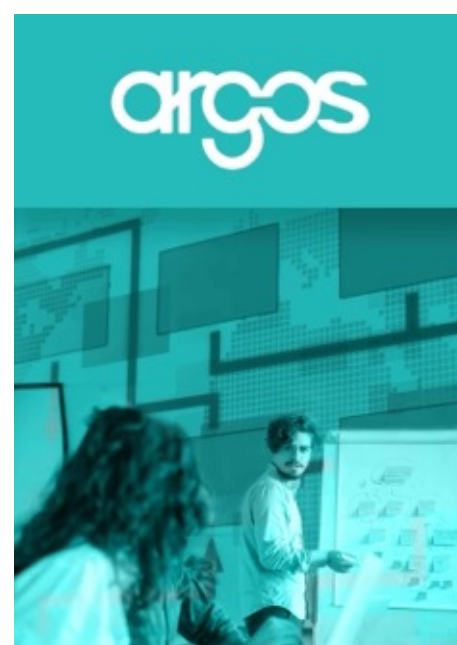
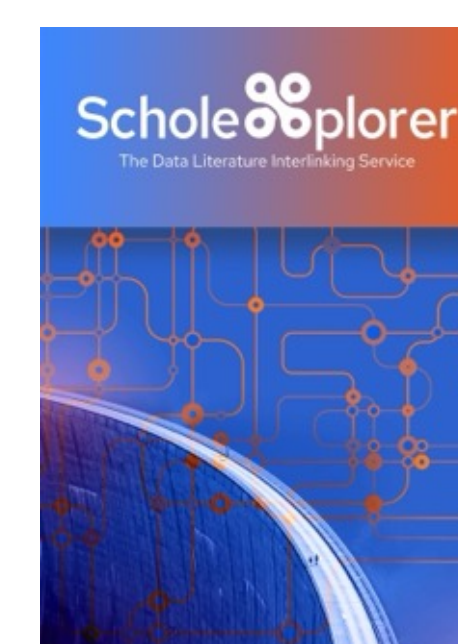
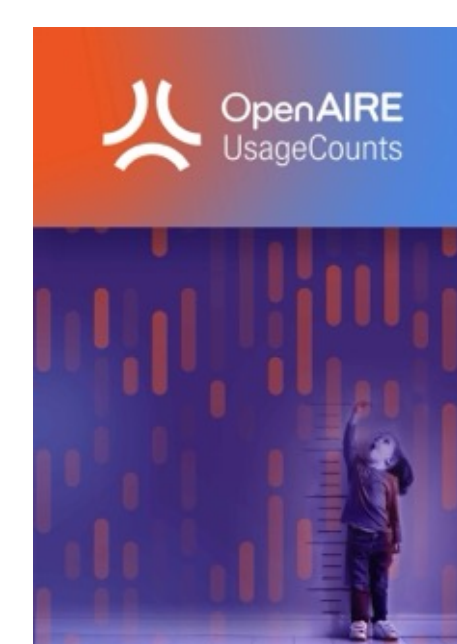
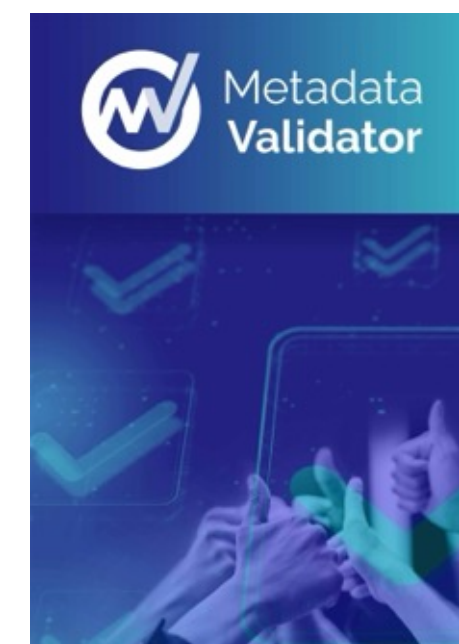
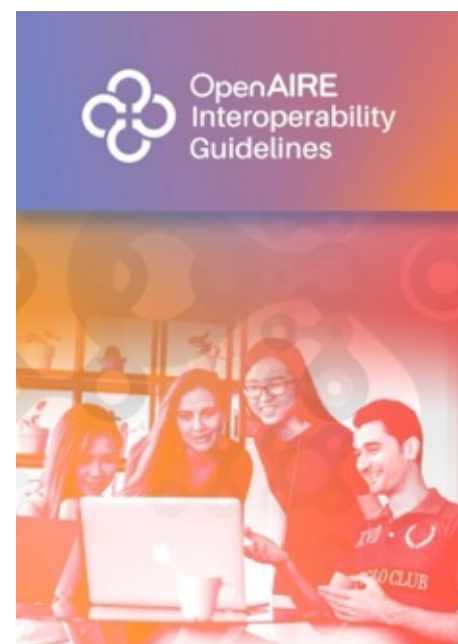
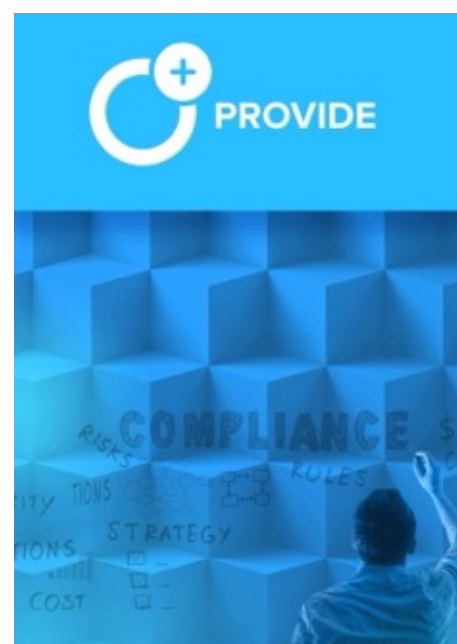


Science.  
Set free.

# OpenAIRE

Open Scholarly Communication  
Infrastructure

Becoming a Member



Services for all  
actors in the R&I  
ecosystem  
<http://catalogue.openaire.eu>

# Why become a member of OpenAIRE

- Because you are an **Open Science leader**, or you want to become one
- Because you want to **co-shape how Open Science** is implemented
- Because you want **innovation** and **state-of-the-art technology** in scholarly communication
- Because you want your **investments to have a transformative impact**
- Because you want to build the **new generation of skilled professionals**



Because you understand that Open Science isn't just the future—it's the present.

# What you get out of OpenAIRE

- **Gain access to an extensive network of organisations** all actively engaged in Open Science. A platform for shared learning and exchanging insights, strategies, and best practices.
- **Get the unique opportunity to co-create and co-own OpenAIRE standards and services** and collaborate with fellow Members to shape these according to your specific needs.
- **Deploy OpenAIRE services locally, integrate with infrastructures** such as EOSC and benefit from substantial discounts, privileged access, and prioritized support.

# What you get out of OpenAIRE

- **Drive the national Open Science agenda forward** by positioning your institution as an active and visible Member of the national and global Open Science community. Participate in existing initiatives or spearhead new activities.
- **Develop leadership skills in Open Scholarly Communication** through participation in EU proposals, contributing to the development of Open Science policies and frameworks.
- **Use global OpenAIRE channels** to promote national services, positions, and events, reaching a wider audience.



# How you participate

- **Standing Committees**

- Open Science Policies
- Training & Support
- Outreach & Engagement
- Services & Technology

- **Working Groups**

- Research Data Management
- Open Science Monitoring
- Business Models
- Interoperability Guidelines
- EOSC

# Fees for members

## | Fees for members

The following fee tiered structure for members is effective from 2024.

- NOADs, Research Performing and Research Funding Organisations' fees are differentiated based on the **Gross Domestic expenditure on Research and Development (Eurostat GERD) (TIER 1-3)**.
- Non-profit organisations and ERICs will pay an annual fee of **1000 Euros (TIER 4)**.

TIER	THRESHOLD GERD	FEE IN EUROS
<b>Tier 1</b>	2.5 - 5.0	2500
<b>Tier 2</b>	1.0 - 2.5	1500
<b>Tier 3</b>	0.0 - 1.0	500
<b>Tier 4</b>	Flat	1000

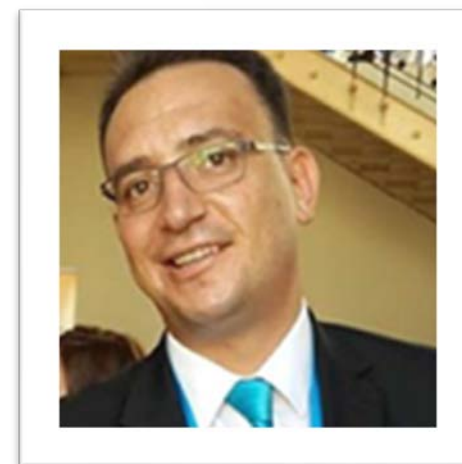
Discounts are foreseen in the following cases:

- **Group membership** from National Consortia: 10% for 2-3 members, 20% 4-6 members, 30% for 7+ members.
- Organisations that come from countries with austerity, war or similar extraordinary conditions will pay 0 fees. Criteria to be decided by the EB\*.

# Interested in membership? Contact us or our **NOADs**

- Our network of **37 European National Open Access Desks** are experts in Open Access and Open Science.
- They are **embedded in national infrastructures** and are here to help you make the transition to Open Science: starting from the basics **on OA policies and mandates**, on to how to apply good **Research Data Management**, to address **legal aspects**, or to **build and use infrastructure**.

Get to know all of our NOADs: <https://www.openaire.eu/contact-noads>



# Open Science in Türkiye and the Impact of OpenAIRE

Gültekin Gürdal

Library Director

Izmir Institute of Technology

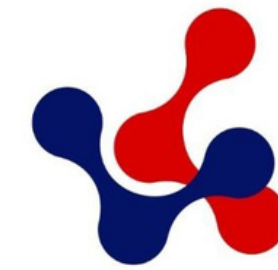
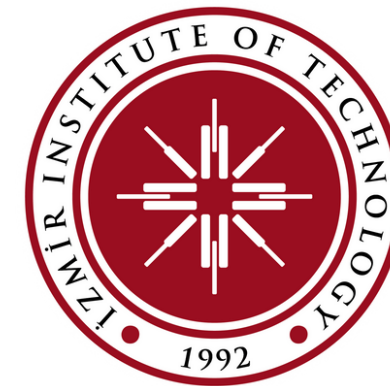
[gultekingurdal@iyte.edu.tr](mailto:gultekingurdal@iyte.edu.tr)



TÜBİTAK



YÜKSEKÖĞRETİM KURULU  
COUNCIL OF HIGHER EDUCATION



GCRIS  
Widening Your Research

