Open Access and Beyond

Gültekin Gürdal

Izmir Institute of Technology

Open Access Practices in Turkey and Europe

27.10.2021

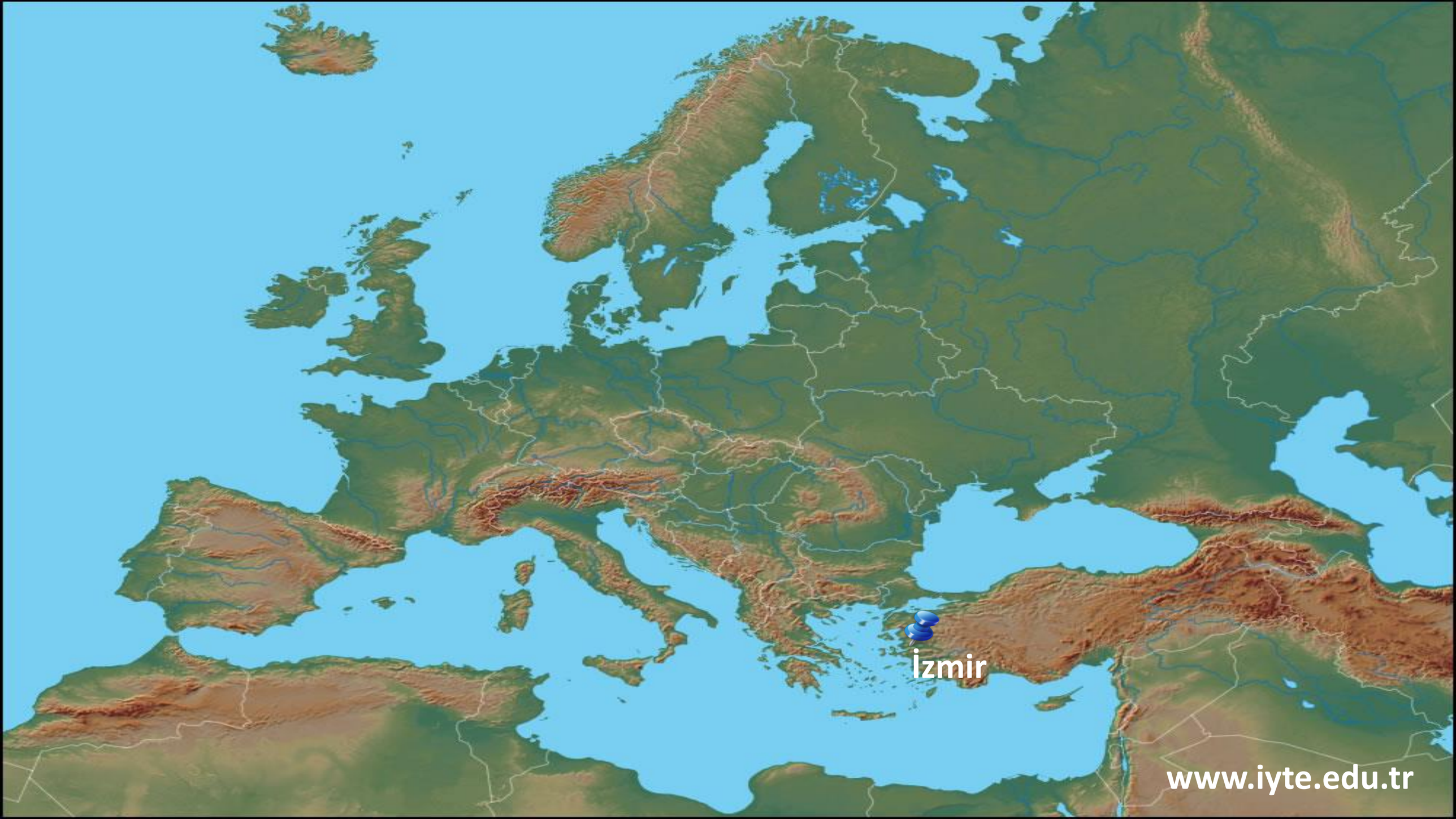
Wishing equatiy for everybody in the World…

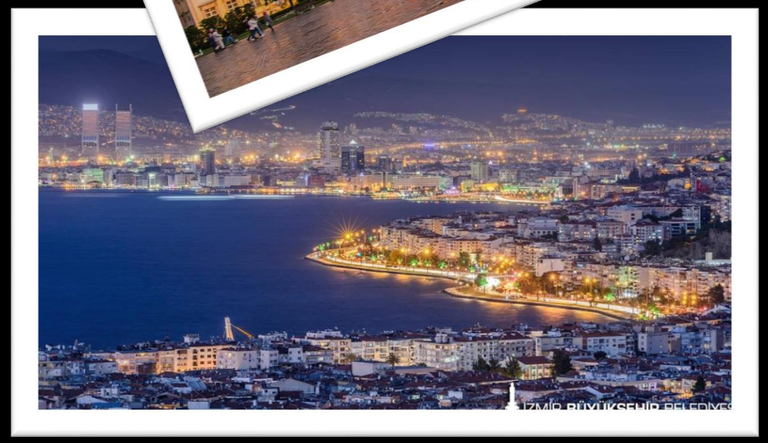
Topics to Cover

- About IZTECH
- Higher Education Landscape and Key Players for Open Science in Turkey
- Beginning of the Open Access Movement in Turkey
- Participated in EC Projects
- What We Have Done…
- Events
- Open Science @ CoHE
- Open Science @ TUBITAK
- Numbers
- Open Science Policy in Turkey
- Plan S
- Open Research Europe
- Open Citations
- OpenAIRE, Zenodo, EOSC

IZMIR INSITUTE OF TECHNOLOGY

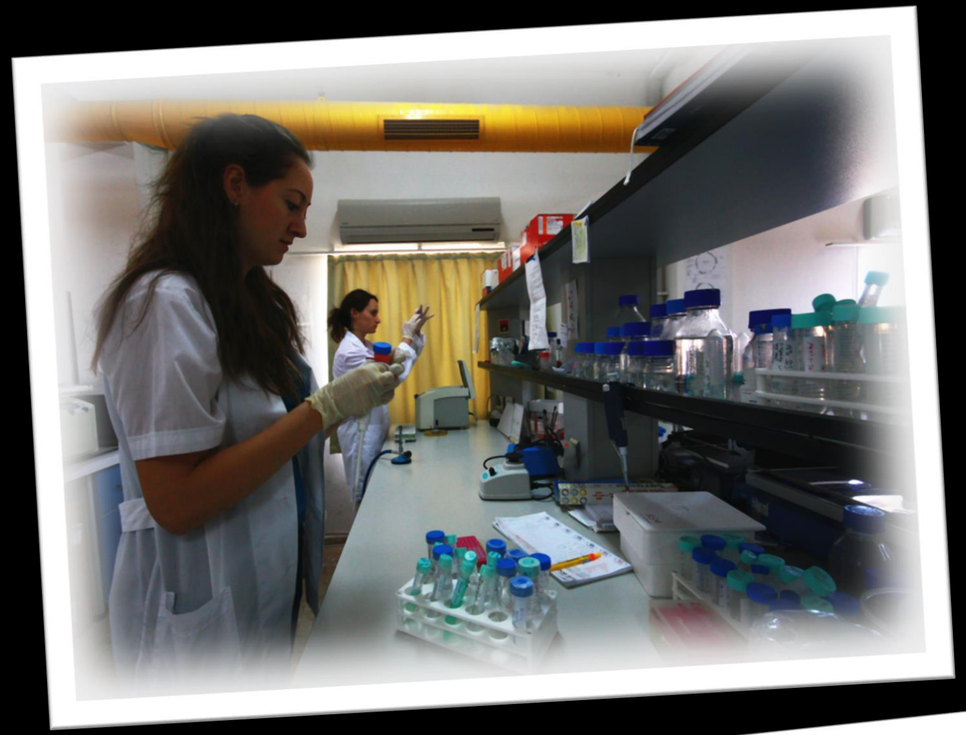
www.iyte.edu.tr


İzmir
www.iyte.edu.tr



İZMİR

- "İzmir" probably derives from the former Greek name "Smyrna”
- 3.500 years of recorded urban history
- The second largest port and the third largest city in Turkey
- Population: 4.428.875
- Mediterranean climate



IZMIR INSTITUTE OF TECHNOLOGY

- Founded in 1992 as a state university
- The only internationally distinguished advanced technical university in Turkey
- Emphasis on education and research in science and technology
- Language of instruction is English
- The campus is in Gülbahce /Urla/İzmir
- 3.500 hectares campus area & 132.000 square meters closed area (The biggest campus area in İzmir)

www.iyte.edu.tr

Faculties and Departments

18 undergraduate,
27 master's and
19 doctorate programs
Total= 6343 students.

Faculty of Science

- Physics
- Photonics
- Chemistry
- Mathematics
- Molecular Biology and Genetics

Faculty of Architecture

- Industrial Design
- Conservation and Restoration Cultural Heritage
- Architecture
- City and Regional Planning

Faculty of Engineering

- Computer Engineering
- Bioengineering
- Environmental Engineering
- Energy Systems Engineering
- Electrical-Electronics Engineering
- Food Engineering
- Civil Engineering
- Chemical Engineering
- Mechanical Engineering
- Materials Science and Engineering

3 Faculties with
19 Departments

School of Foreign Languages

- Basic English
- Modern Languages

www.iyte.edu.tr

World

Report from template

2016 to >2021 | All subject areas | FOR | Data sources

Summary | Topics | Collaboration | Published | Viewed | Cited | Authors | Institutions | More...

+ Add Summary to Reporting | Export

Overall research performance

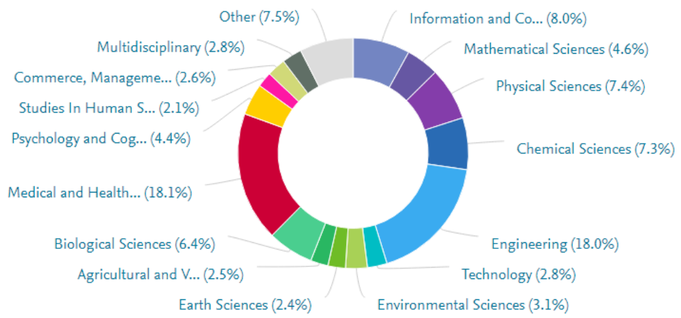
+ Add to Reporting

19,305,326 ▲	17,728,218 ▲	1.00
Scholarly Output	Authors	Field-Weighted Citation Impact
38.8% All Open Access		Yearly breakdown
View list of publications		
127,929,412	6.6	
Citation Count	Citations per Publication	

Publications by Subject Area

+ Add to Reporting

Donut Chart



Performance indicators

Outputs in Top Citation Percentiles

Publications in top 10% most cited worldwide

+ Add to Reporting

Show as field-weighted

World: 10.0%

Analyze in more detail

Publications in Top Journal Percentiles

Publications in top 10% journals by CiteScore Percentile

+ Add to Reporting

World: 25.4%

Analyze in more detail

International Collaboration

+ Add to Reporting

Publications co-authored with Institutions in other countries/regions

World: 21.2%

Academic-Corporate Collaboration

Publications with both academic and corporate affiliations

+ Add to Reporting

World: 2.7%

Turkey produces %1.55 of the World's Publication

%1.36 of the World's citation

Scival – 25.10.2021

Turkey

Report from template

2016 to >2021 | All subject areas | FOR | Data sources

Summary | Topics | Collaboration | Published | Viewed | Cited | Authors | Institutions | More...

+ Add Summary to Reporting | Export

Overall research performance

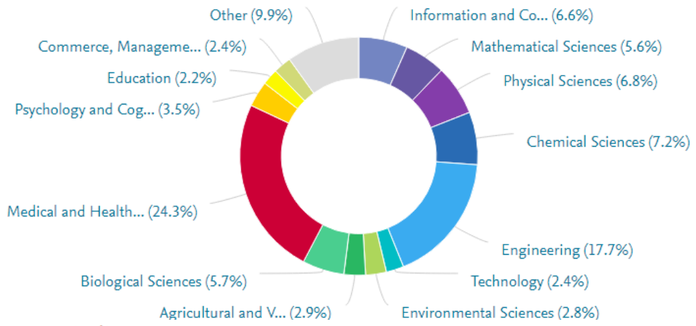
+ Add to Reporting

299,722 ▲	208,046 ▲	0.97
Scholarly Output	Authors	Field-Weighted Citation Impact
36.2% All Open Access		Yearly breakdown
View list of publications		
1,744,600	5.8	
Citation Count	Citations per Publication	

Publications by Subject Area

+ Add to Reporting

Donut Chart



Performance indicators

Outputs in Top Citation Percentiles

Publications in top 10% most cited worldwide

+ Add to Reporting

Show as field-weighted

Turkey: 8.9%

Analyze in more detail

Publications in Top Journal Percentiles

Publications in top 10% journals by CiteScore Percentile

+ Add to Reporting

Turkey: 14.6%

Analyze in more detail

International Collaboration

+ Add to Reporting

Publications co-authored with Institutions in other countries/regions

Turkey: 24.5%

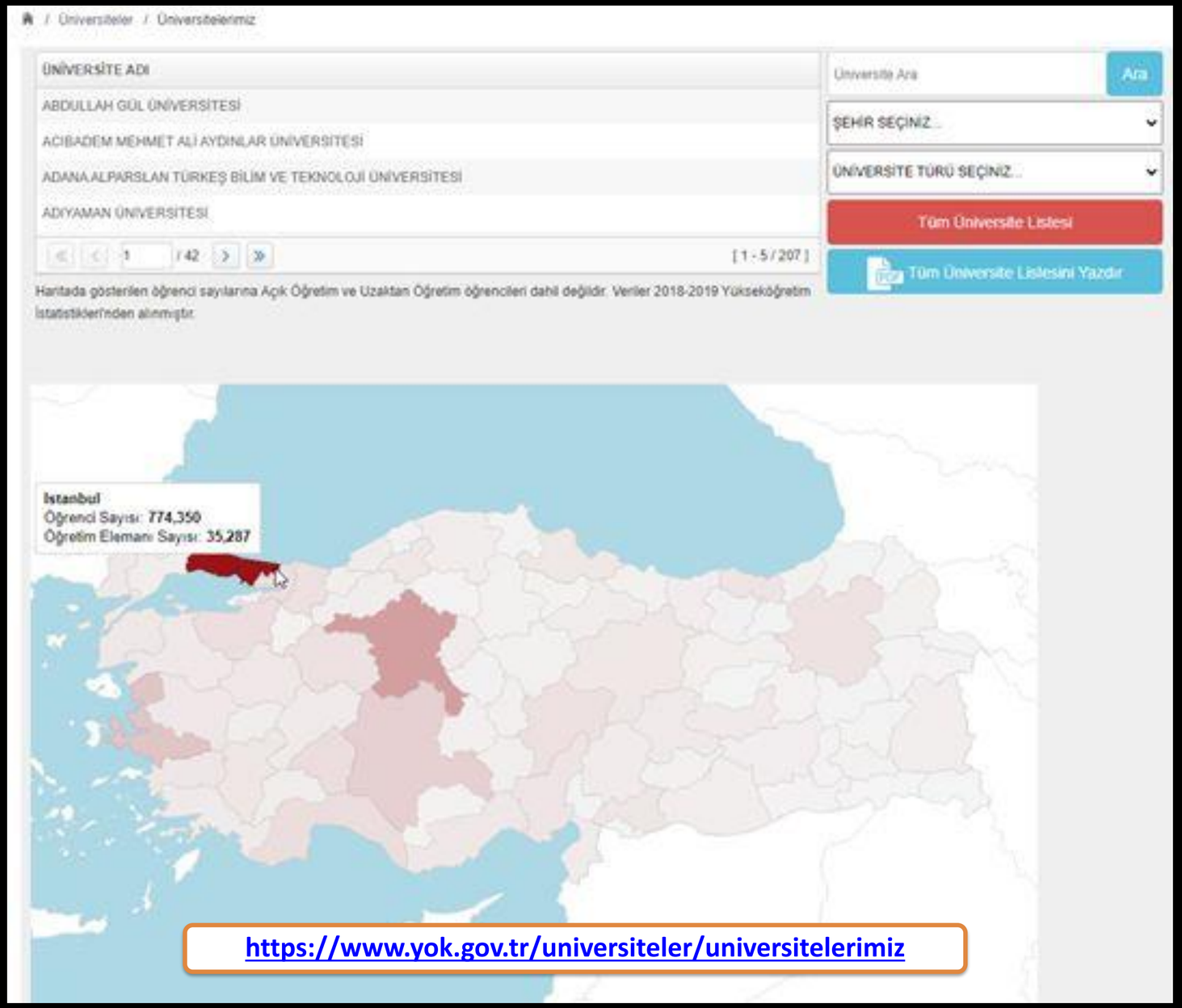
Academic-Corporate Collaboration

Publications with both academic and corporate affiliations

+ Add to Reporting

Turkey: 1.4%

Higher Education Landscape in Turkey



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

COUNCIL OF HIGHER EDUCATION

Higher Education Institutions: 207

- State Universities: 129
- Private Universities: 74
- Foundation Vocational Schools: 4

Key Players for Open Science in Turkey

COUNCIL OF HIGHER EDUCATION

TÜBİTAK

EC Projects

ANKOS

Anatolian University Libraries Consortium

İZMİR INSTITUTE OF TECHNOLOGY 1992

OpenAIRE

PASTEURAOA

medanet

Mediterranean Open Access Network

HACETTEPE University

Beginning of the Open Access Movement in Turkey

OA and IRs have come to the forefront with the ANKOS.

ANKOS became a member of Scholarly Publishing and Academic Resources Coalition (SPARC) in 2002.

Ankara University Open Archive was the first operational IR set up in Turkey in 2005.

ANKOS OAIR was established in 2006.

- to raise awareness of Open Access and Institutional Repositories among information professionals in Turkey.
- to ensure the cooperation between ANKOS, information professionals, researchers.
- to cooperate with domestic and international organisations operating in the relevant areas.

Participated in EC Projects

MedOANet (2011-2013)

PASTEUR4OA (2014-2016)

OpenAIRE projects

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

ANKOS Open Access and Institutional Repositories Working Group (2008-2018)

- ANKOS OAIR group members worked in as OpenAIRE Turkey NOAD (2011 – 2015).

CoHE Institutional Repositories and Open Access Working Group

The working group was made up of subject specialists

The aim of the group was:

Gather the academic outputs that Turkish Universities are producing and archive them into open repositories which are compliant with international standards, present them to the service of the scientific community, and measure academic performance.

Higher Education Open Archive Project:

Gathering the academic outputs of Turkey into the institutional repositories

What These Working Groups Have Done…

- Web sites
- Guides
- Presentations
- Translations
- Proceedings
- Workshops
- Brochures and Posters
- Trainings Programmes

http://acikerisim.yok.gov.tr
https://ankos.org.tr/tr/acik-erisim/kaynaklar/
https://www.sonmezcelik.net/
https://acikerisim.org/
https://libguides.iyte.edu.tr/openaire

Events (2011 – 2021)

Participated in 123 events (26 of which were international events)

- 100 presentations were made
- 15 webinars were organized

https://acikerisim.org/

12 Workshop / Conference / Symposium / Seminar

- 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 (0A 2016), 27 October 2016, Ankara - http://ae2016.acikerisim.org/
- 6th National Open Access Conference and OpenAIRE2020 Workshop, 24-26 October 2017, Izmir, Decleration -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 Research Data Symposium, 25-26 May 2021, Online https://acikveri.org/

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).

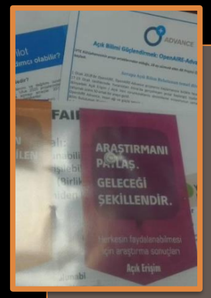
Attended by 170 people and 1.342 people also followed the conference via web.

- 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.

Highlights about Turkish Open Science Summit

An important milestone for long-standing works on Open Access and Open Scicence in Turkey.

For the first time all stakeholders came together: Universities, National Science Funder and Industry



Promotional documents related to OpenAIRE, Zenodo and Open Access and research data in Turkish were put into folders and distributed to all participants.

Broad news in the press.

12 National newspapers
77 news websites

Location: Sabancı University, Sakip Sabanci Museum the Seed, Istanbul
a) Foundation University, by Sabanci Foundation supported Sabanci family, one of Turkey's wealthiest.
b) Financial support

High Level Participation: The administrators of the Turkish Higher Education Council (CoHE), the Turkish Scientific and Technological Research Council (TUBITAK), University Rectors and Vice Rectors, high-level representatives of industrial organizations and NGOs.

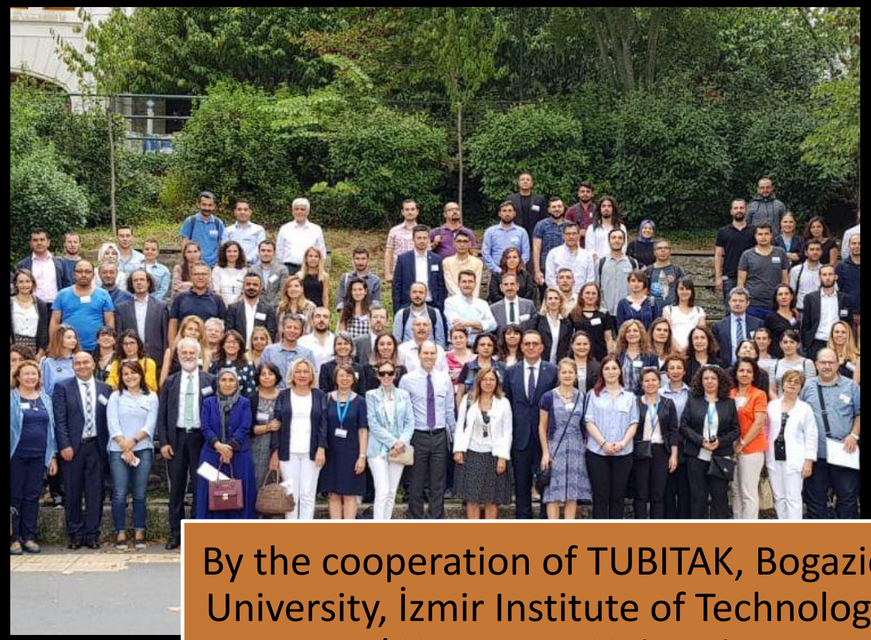
Panel on "Open Science and Innovation" with speakers from Universities and the industry.

Panelists:

Prof. Dr. Mustafa Guden, Rector, Izmir Institute of Technology, Turkey	Prof. Dr. Mehmed Ozkan, Rector, Bogazici University, Turkey	Prof. Dr. Sirin Tekinay, Vice Rector for R&D, Sabancı University, Turkey	Ismail Gulle, President of Turkish Exporters Assembly (TIM), Turkey	Oguzhan Ozturk, CTO at Arçelik, Turkey

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

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

CoHE established an official Open Science Committee

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

COUNCIL OF HIGHER EDUCATION

Open Science @ CoHE

CoHE Open Science Committee:
Responsible for preparing the OS Plan and providing direction for its implementation in Universities.

- Prof.Dr. Naci Gundogan – CoHE
- Prof.Dr. Sezer Sener Komsuoglu – CoHE
- Prof.Dr. Erkan Ibis – CoHE
- Prof.Dr. Abdullah Atalar – Rector, Bilkent University
- Prof.Dr. Yasar Tonta – Hacettepe University
- Prof.Dr. Kursat Cagiltay – METU
- Prof.Dr. Dogan Atilgan – Ankara University
- Mehmet Mirat Satoglu – Director, TUBITAK – ULAKBIM
- Gultekin Gurdal – Izmir Institute of Technology
- Ahmet Kahraman – CoHE
- Hasan Lale - CoHE

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

	Çalışma Grubu Üyeleri ve Yapısı		
	Koordinatör :	Gültekin Gürdal	İYTE
	Sekreterya :	Gönül Kafalı Can	İYTE
	Danışmanlar:		
1	Marta TEPEREK	Delft Teknik Üniversitesi	Hollanda
2	Yasemin TÜRKYILMAZ, van der Velden	Delft Teknik Üniversitesi	Hollanda
3	İlkay HOLT	Conferedation of Open Acess Repository	İngiltere
	İçerik		
1	Bahadır BARUT	Sabancı Üniversitesi	
2	Ayşen BİNEN	İzmir Yüksek Teknoloji Enstitüsü	
3	S. Cihan DOĞAN	Hacettepe Üniversitesi	
4	Emine Hatun GÜR	Boğaziçi Üniversitesi	
5	Burak HEKİM	İstanbul Üniversitesi	
6	Sevgi OYMAK	Orta Doğu Teknik Üniversitesi	
7	Ece ÖKSÜZ	İstanbul Bilgi Üniversitesi	
8	Fadime TAŞÇI	Özyeğin Üniversitesi	
9	Çiğdem YILDIRIM	Koç Üniversitesi	
	Teknik		
10	Zeki ÇELİKBAŞ	İstanbul Teknik Üniversitesi	

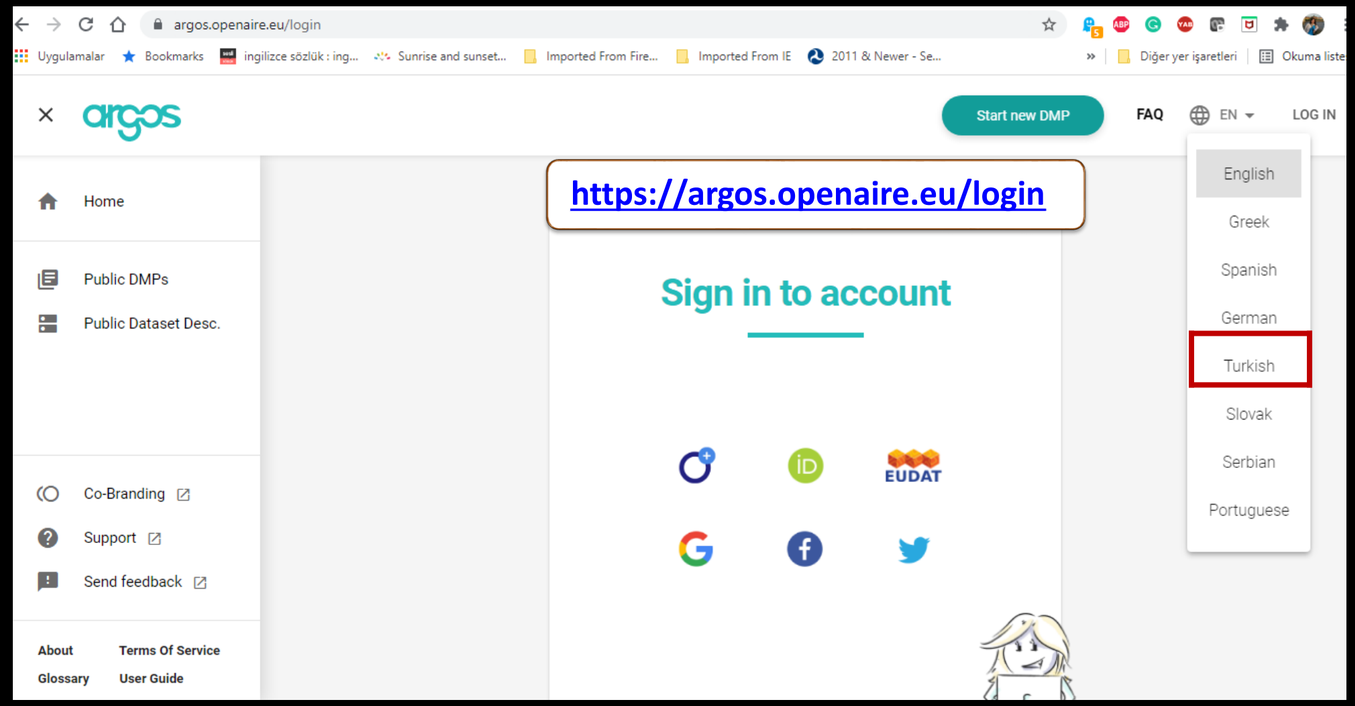
CoHE Research Data and Open Data Sub-Working Group

Research Data and Open Data Task Force comprised of librarians from 6 Research Universities and selected 4 Foundation Universities

The targets of this group are:

* Research data management for Turkish Universities,
* Preparing a data management plan,
* Following developments in the world about research data such as open data,
* Cooperating with relevant institutions in Turkey,
* Providing trainings on RDM,
* Supporting the creation of interoperable systems in particular with Europe,
* Preparing reports,
* Making translations…

CoHE Research Data and Open Data Sub-Working Group



Turkey’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 (ORC-ID)".

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 u… responsible for open access … awareness meetings to devel…
- Revision of the Academic Ince… access journals and productio…
- Ensuring the participation of … trainings organized by YÖK.

In 2019, TÜBİTAK will take decisiv… cooperation with YÖK:

- Adoption of TÜBİTAK’s Open Science Policy (effective as of 14 March 2019)
- Adoption of the timeline: 2019 as a pilot year for selected support programmes, and 2020 as the year of transition to mandatory policy implementations in Open Access 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 (Institutional Repository for TUBITAK and Research Data Management to serve all universities) as a live system (live)

T. C.
YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI
Yayın ve Dokümantasyon Daire Başkanlığı

YÖK (Genel Evrak Birimi)
Kayıt No: 12867
15.02.2019 09:49:11 tarihinde
Havva Nur GÜRBÜZ giden evrak
kaydı yapmıştır

Sayı : 36054236-806.02.04-
Konu : Açık Bilim ve Açık Erişim

DAĞITIM YERLERİNE

Yükseköğretim Kurulu (YÖK) Başkanı Prof. Dr. M. A. Yekta SARAÇ, 10 Ocak 2019 tarihinde gerçekleştirilen Üniversitelerarası Kurul (ÜAK) toplantısında bilim dünyası için çok önemli ve bütün dünyanın gündeminde olan “Açık Bilim ve Açık Erişim” bünyesinde yürütülen çalışmalar hakkında

1-Üniversitelerde açık bilim ve açık erişim çalışmalardan sorumlu rektör ya da rektör yardımcısı başkanlığında bir komisyon kurulması ve bu konuda farkındalığın arttırılması için akademisyenlerin katılımıyla toplantılar düzenlenmesi,
2-Açık erişimdeki dergilerde yayın yapılması ve açık ders malzemesi üretiminin teşvik edilmesi amacıyla Akademik Teşvik Yönetmeliğinde düzenleme yapılması,
3-YÖK tarafından düzenlenecek eğitim toplantılarına üniversitelerin ilgili personelinin katılımının sağlanması,
4-Üniversiteler tarafından yapılan çalışmaların ve akademik arşivlerdeki yayın sayılarının altı aylık periyotlar ile YÖK’ün belirleyeceği yöntem ve formatta rapor edilmesi, ve benzeri girişimlerin başlatılması yer almaktadır.
Bu çalışmalar kapsamında üniversitelerden beklentilerimiz aşağıda belirtilmiştir:
1-Üniversitelerde açık bilim ve açık erişimle ilgili çalışmalardan sorumlu rektör/rektör yardımcısı başkanlığında bir komisyon kurulması ve üniversite içerisinde açık bir ekosistem … amacıyla akademisyenler için farkındalık toplantıları düzenlenmesi,
… Açık Akademik Arşiv Sisteminin kurulması,

9-Akademik yükseltmede değerlendirilen yayınların akademik arşivde bulunmasın…
…ivedilikle uluslararası standartlarda işler hale gelmesi …üzere gerekli her türlü desteğin verilmesi.
…ayın yapılmasının ve açık ders malzemesi üretiminin …
…k toplantılara ilgili personelin katılımının sağlanması.
…ni (YÖKSİS) üzerinden erişime açılacak olan ve bir …gönderilen “Kurumsal Akademik Arşiv Bilgi Formu” …ü itibariyle altı aylık periyodlar halinde doldurulması,
…rica ederim.

Prof. Dr. M. A. Yekta SARAÇ
Başkan

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

https://era.gv.at/public/documents/4071/Turkish_National_Roadmap_on_European_Research_Area_May_2019.pdf

Members of TUBITAK Open Science Committee (Establishment in 2015)

Mehmet Mirat SATOĞLU	TÜBİTAK ULAKBİM Müdürü/Komite Başkanı
Mustafa SANCAR	TÜBİTAK ULAKBİM Müdür Yardımcısı
Filiz MENGÜÇ	TÜBİTAK ULAKBİM (Uzman)
Ebru SOYUYÜCE AYDIN	TÜBİTAK ULAKBİM (Başuzman)
Prof. Dr. Yaşar TONTA	Hacettepe Üniversitesi Bilgi ve Belge Yönetimi Bölümü
Prof. Dr. Altuğ ÖZPİNECİ	ODTÜ Fizik Bölümü
Av. Gülmelahat DOĞAN	TÜBİTAK Hukuk İşler Başkanlığı
Dr. Derya DÖNERTAŞ	TÜBİTAK Uluslararası İşbirliği Daire Başkanlığı /Bilimsel Programlar Uzmanı
Dr. Banu BURUK	TÜBİTAK Araştırma Destek Programları Başkanlığı
Dr. Alp Eren YURTSEVEN	TÜBİTAK Teknoloji ve Yenilik Destek Programları Başkanlığı
Melis KOCATÜRK	TÜBİTAK Bilim, Teknoloji ve Yenilik Politikaları Daire Başkanlığı Bilimsel Programlar Uzmanı
Gültekin GÜRDAL	İzmir Yüksek Teknoloji Enstitüsü (İYTE) Kütüphane ve Dokümantasyon Daire Başkanı

Composed of academicians, Library experts and TÜBİTAK representatives.

TUBITAK ULAKBİM Open Science

2014

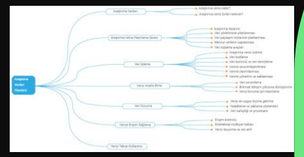
Dergipark
https://dergipark.org.tr/en/

2016

National Harvesting System: Turkey Academic Archive
https://harman.ulakbim.gov.tr/

2018

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



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

2019

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

2020

Aperta Turkey Open Archive

2021

Open Science Portal

2022

DergiPark- National Open Journal Hosting Platform

DergiPark AKADEMİK

New designs have been added to the journal pages. You can look to the Help menu for your page edits.

Click to access the process guide.

Search on DergiPark

Search by title, author, keyword, ISSN, DOI and more | Advanced Search Tips

DergiPark supports national academic journals to gain presence in accordance with international standards and increase their visibility.

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

Science

- Environmental Sciences
- Food Science and Technology
- Engineering
- Multidisciplanary Sciences
- Basic Sciences
- Medicine
- Veterinary Sciences
- Agriculture

8th Year

International Journal of Environment and Geoinformatics

eISSN: 2148-9173

Quarterly — 52K ↓ 160K

11th Year

İnönü Üniversitesi Sanat ve Tasarım Dergisi

eISSN: 1309-9884 ISSN: 1309-9876

Biannually — 182K ↓ 448K

İzmir Katip Çelebi University Faculty of Health Science Journal

ISSN: 2458-9799

Tri-annual — 144K ↓ 422K

8th Year

Article	Journal	Researcher	Publisher
521.688	2.375	426.088	1.068

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

Turkey Academic Archive: Harman

It harvests IRs in Turkey compliant with international standards.

152 institutions 2.092.090 records

Örn. Hacettepe Üniversite

#	ARŞİV	KAYIT SAYISI	SON DURUM	SON ERİŞİM TARİHİ	EKLENME TARİHİ
1	29 Mayıs Üniversitesi	1.315	Çalışıyor	15.10.2021	19.01.2020
2	Abdullah Gül Üniversitesi	807	Çalışıyor	15.10.2021	18.01.2020
3	Acıbadem Üniversitesi	608	Çalışıyor	15.10.2021	18.01.2020
4	Adana Alparslan Türkeş Bilim ve Teknoloji Üniversitesi	3.204	Çalışıyor	15.10.2021	18.01.2020
5	Adnan Menderes Üniversitesi	3.908	Çalışıyor	15.10.2021	18.01.2020
6	Afyon Kocatepe Üniversitesi	7.431	Çalışmıyor	08.10.2021	18.01.2020
7	Afyonkarahisar Sağlık Bilimleri Üniversitesi	774	Çalışıyor	15.10.2021	07.05.2021
8	Aksaray Üniversitesi	5.925	Çalışıyor	15.10.2021	20.02.2021
9	Alanya Alaaddin Keykubat Üniversitesi	1.283	Çalışıyor	15.10.2021	15.12.2020
		1.996	Çalışıyor	15.10.2021	12.05.2021

https://harman.ulakbim.gov.tr/index

TUBITAK Open Archive: APERTA

aperta.ulakbim.gov.tr

Google Şu dile çevrildi: İngilizce Orijin

aperta TÜRKİYE AÇIK ARŞİVİ

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

Recently uploaded works

2021 (v1.0.0) Software Open Access

view

Simulation-Optimization of a Patented Baffle Design with Parallel Computing on TRUBA

Kuzay, Mustafa ; Nasyrlayev, Nazhmiddin ; Demirel, Ender

Treatment of surface waters in large cities has been emerged as a critical point of interest for governments in recent years with increasing clean water demand and development of energy intensive water treatment technologies such as ozone and ultraviolet. Raw water is mixed with the disinfectant in a multi-chambered contact tank at the last stage of the treatment ... required for the effective ... systems suffer from low...

view

...tion

...nse, gastrointestinal ...as well in patients with COVID- ...ent with the association of ...xtrapulmonary conditions. Gut ...s and their metabolites into the

view

... 2 (SARS-CoV-2) that killed a ...ne storm and adult respiratory ...en suggested in the ...nce and persistence of a strong cytokine response despite inadequate antiviral immunity seem to be the main mechanisms underlying the pathogenesis. The diagnosis of

What is Aperta?

Aperta is the name of the Turkish Open Archive.
You can upload your scientific studies within the scope of Aperta to this portal or you can easily access the uploaded studies.

What is the Scope of Aperta?

- **Safe and Reliable** – Your data is securely stored by ULAKNET as long as it exists at TUBITAK ULAKBİM.
- **DOI Support** – a Digital Object Identifier (DOI) is assigned to make records referenceable and traceable.
- **No waiting time** – as soon as you hit the Publish button, uploads are available online and your DOI is saved within minutes.
- **Open or closed** – For example, anonymized clinical trial data can only be shared with medical professionals through the restricted access mode.
- **Versioning** – Easily update your dataset with versioning
- **Usage statistics** – All downloads can be viewed with standards-compliant usage statistics.

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Aperta has launched as a research data repository serve to all universities on Tuesday, 26 October 2021.

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

Over 55,400 publications

Free DOI support will be provided for two years for the data sets to be uploaded.

re3data https://www.re3data.org/repository/r3d100013444

TUBITAK: DMP Templates

vyp.ulakbim.gov.tr

Uygulamalar | Bookmarks | ingilizce sözlük : ing... | Sunrise and sunset... | Imported From Fire... | Imported From IE | 2011 & Newer - Se... | Diğer yer işaretleri | Okuma listes

ULAKBİM | Home | Public DMPs | DMP Templates | Help | Language

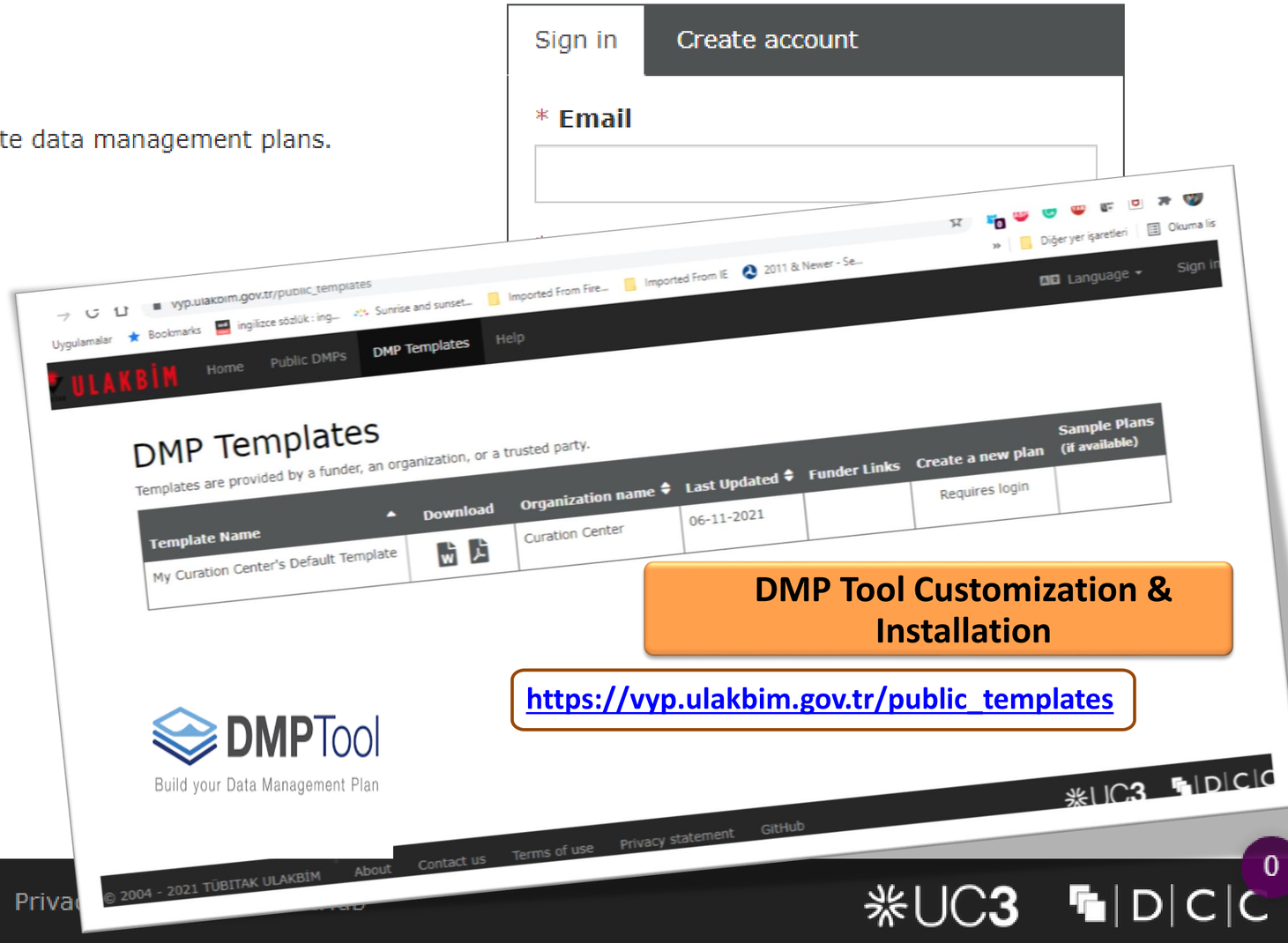
Welcome to vyp.

vyp has been developed by the **TÜBITAK ULAKBİM** to help you write data management plans.

Getting started:

- Aperta
- Araştırma Verileri Yönetimi Eğitim Portalı
- Türkiye Ulusal Bilim e-Altyapısı

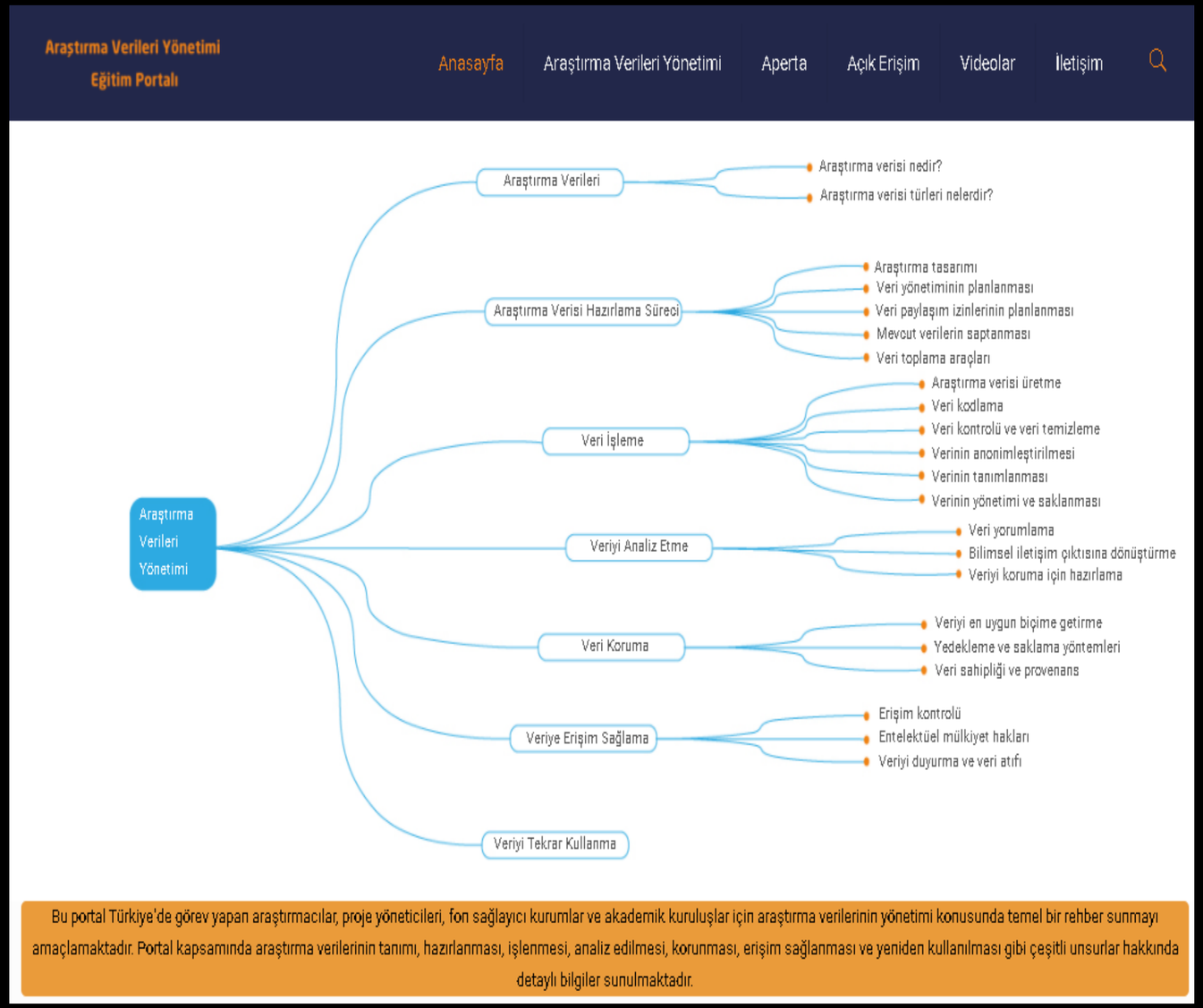
https://vyp.ulakbim.gov.tr/

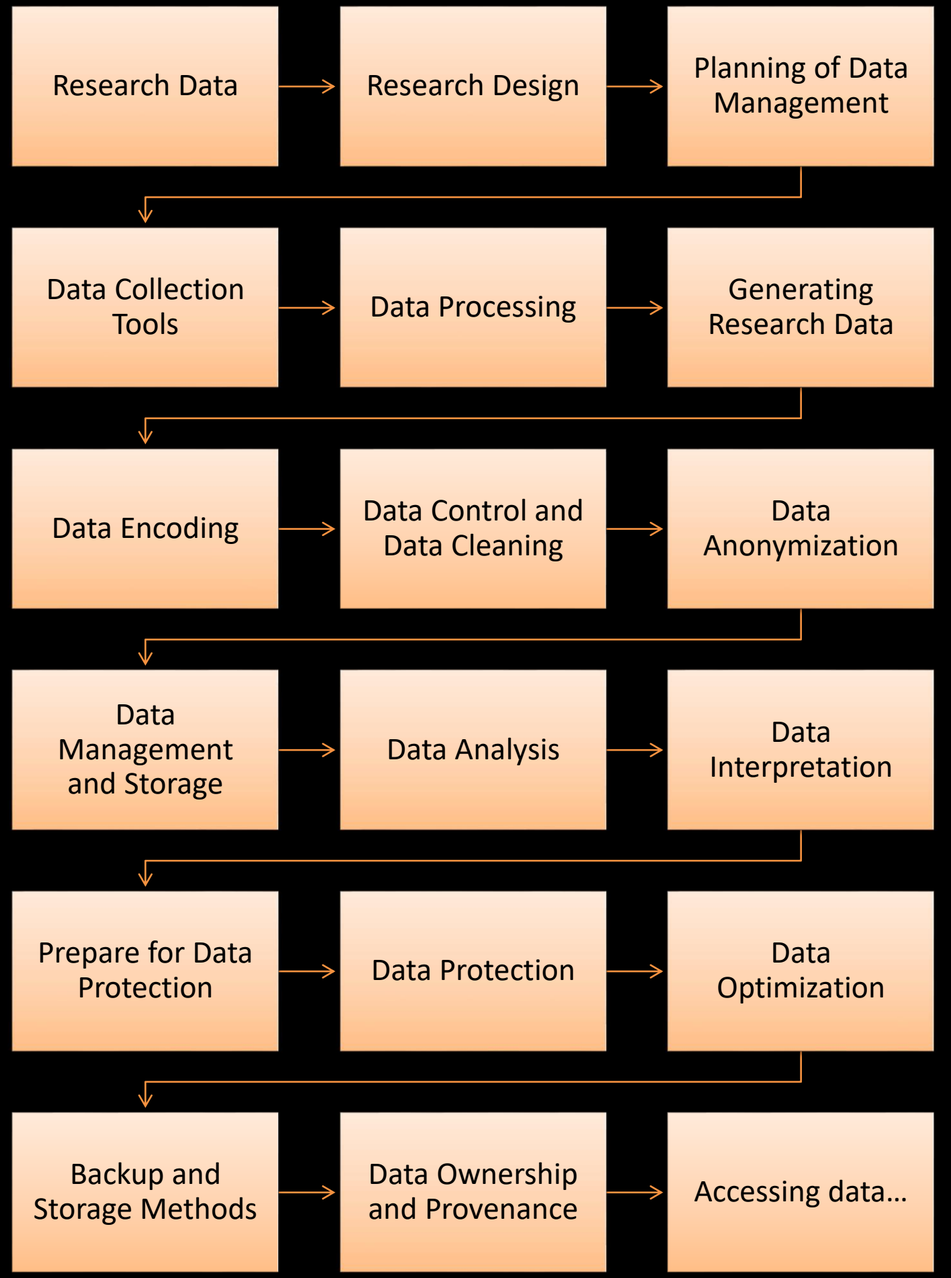


DMP Tool Customization & Installation

https://vyp.ulakbim.gov.tr/public_templates

Research Data Management Training Portal





EOSC European Open Science Cloud Membership

Güvenli değil | truba.gov.t

Bookmarks ingilizce sözlük : ir

Diğer y

TRUBA
Turkish Science e-Infrastructure

Main Page | The TRUBA Initiative | Resources | CA | Performance Indices

EOSC-hub Project

EOSC-hub Project

Services for the European Open Science Cloud

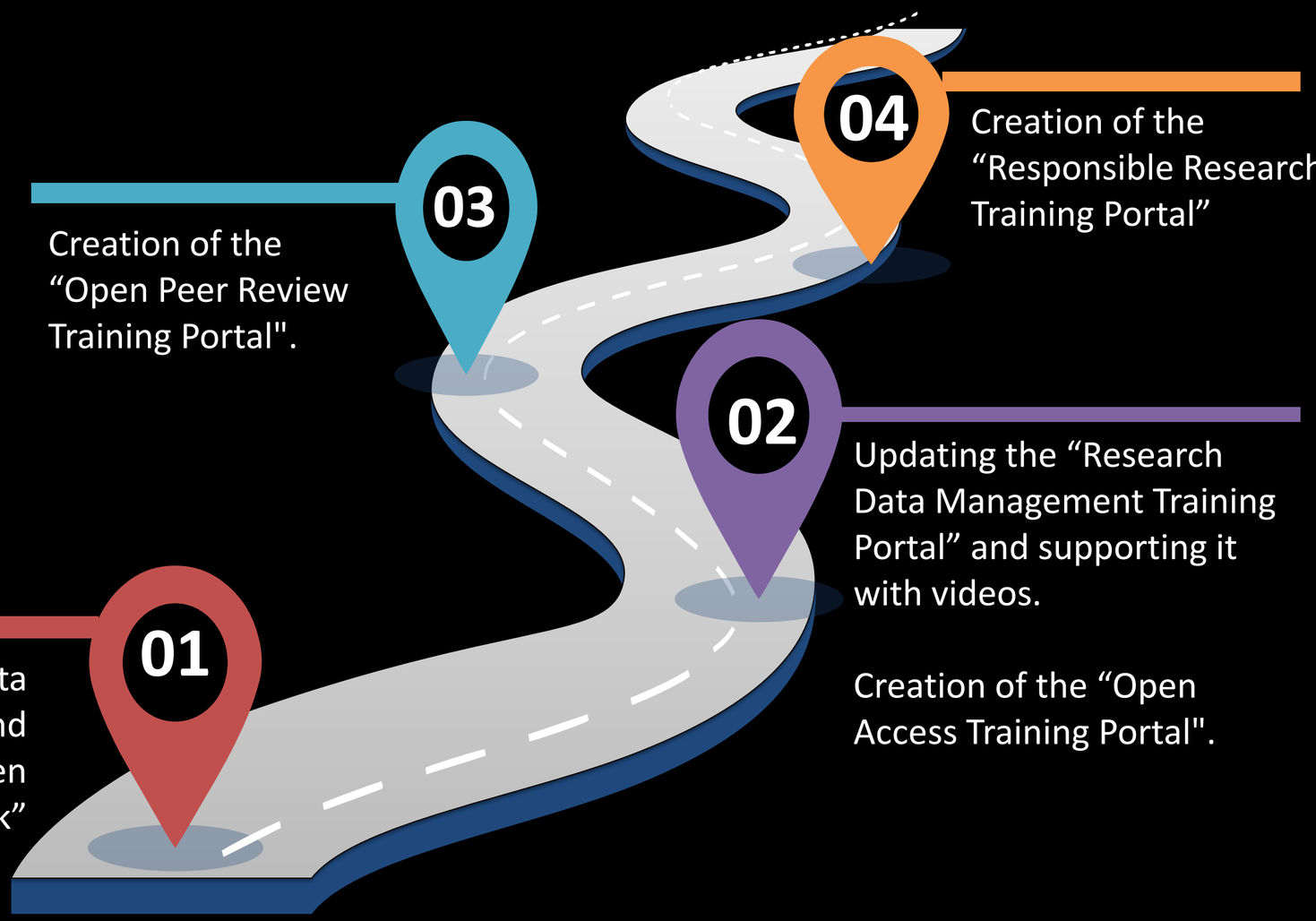
EOSC-hub

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

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

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”.

TUBITAK: Until the End of the Year 2021

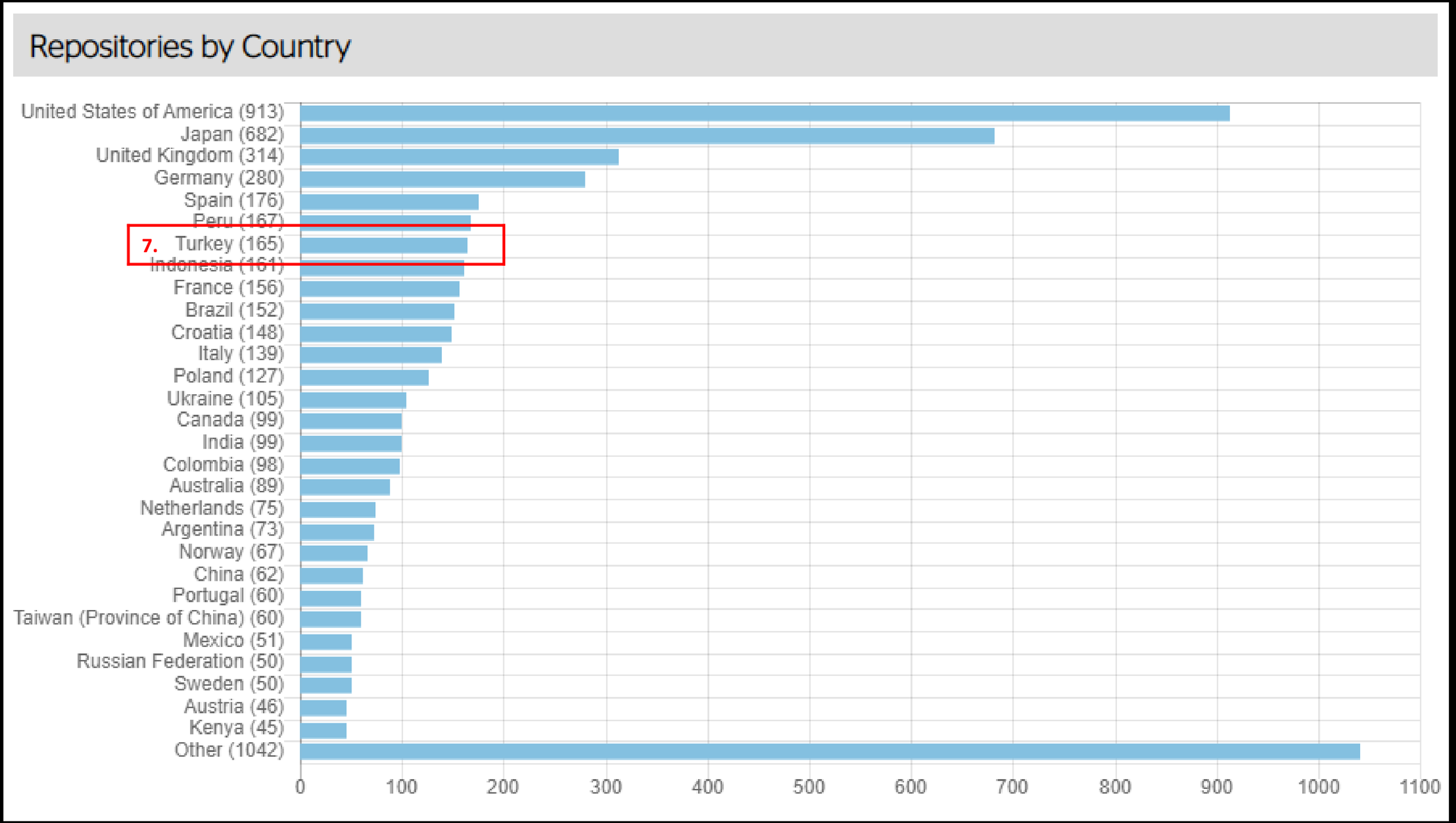


Numbers

Services	Institutions
Harman – Turkey Academic Archive	152 (2.092.090 records)
OpenAIRE	129
OpenDOAR	165
ROAR	159
ROARMAP	109

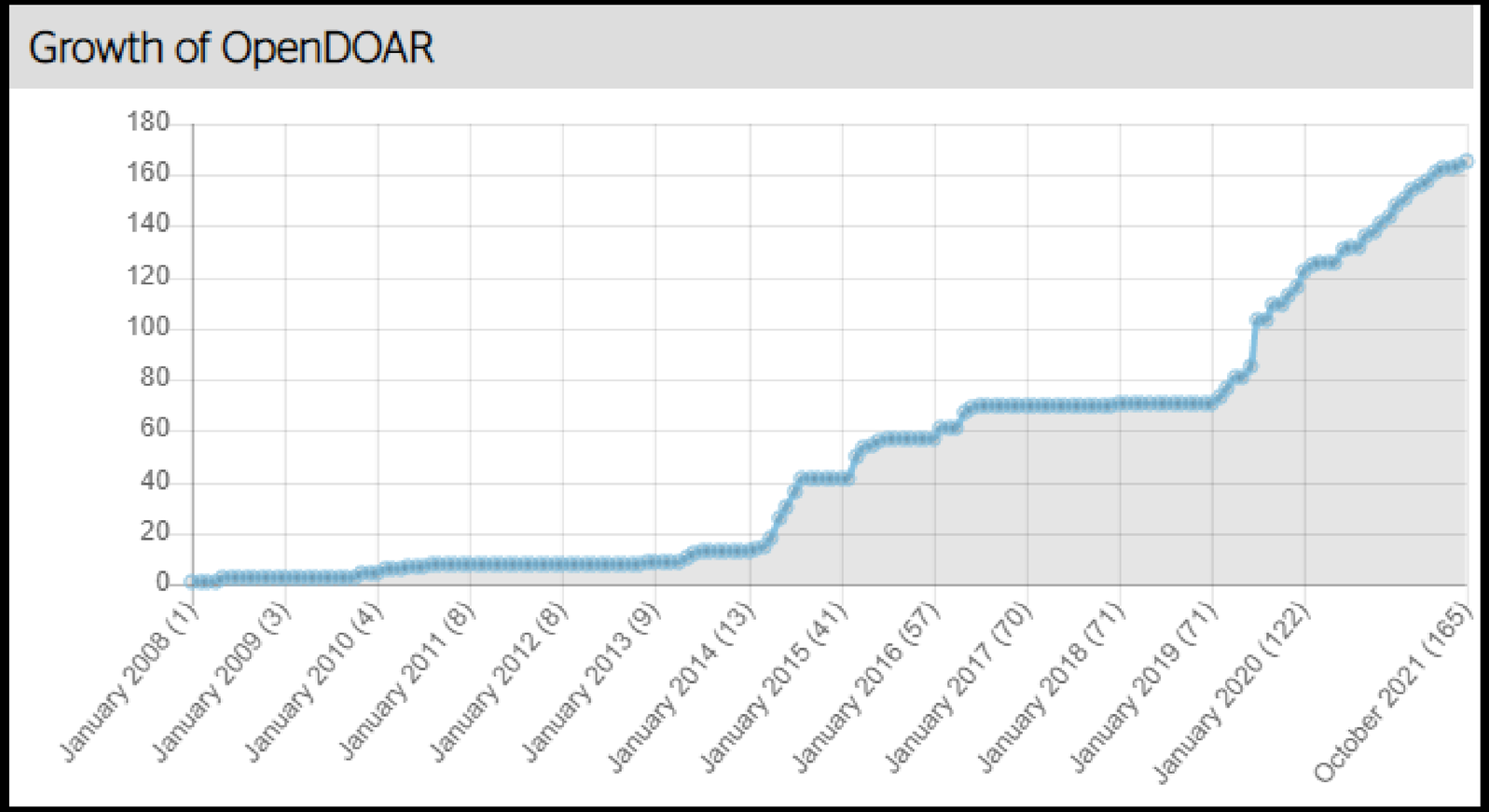
Data as of October 21, 2021

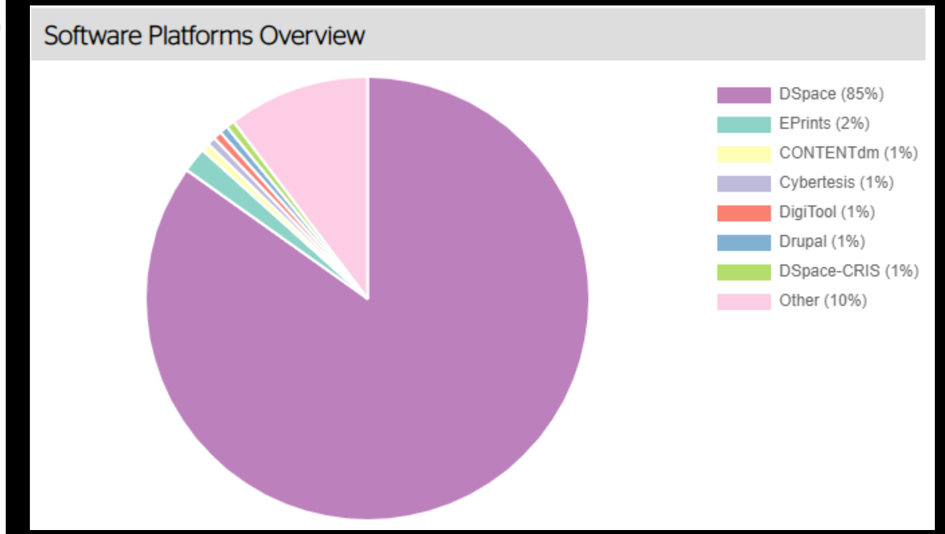
OpenDOAR Statistics: Repositories by Country



Data as of October 21, 2021

OpenDOAR Statistics: Turkey





https://v2.sherpa.ac.uk/view/repository_by_country/Turkey.default.html

Data as of October 21, 2021

Translations into Turkish: COAR

January 8, 2021

Report | Open Access

COAR Açık Arşivlerde İyi Uygulamalar için Topluluk Çerçevesi

Confederation of Open Access Repositories

Editor(s)

Holt, Ilkay

Bu çerçevenin amacı, açık arşivlerin mevcut operasyonlarını bir dizi uygulanabilir ve başarılabilir iyi uygulamaya dayalı olarak değerlendirmesine ve iyileştirmesine yardımcı olmaktır.

Halen, açık arşivlerin operasyonlarını belirli açılardan (keşif, erişim, yeniden kullanım, bütünlük, kalite güvencesi, koruma, gizlilik ve sürdürülebilirlik gibi) değerlendirmesine yardımcı olmak için geliştirilmiş bir dizi mevcut çerçeve ve değerlendirme kriteri mevcut, ancak bu kriterler belli kuruluşlar tarafından benimsenmiş ve sıklıkla yalnızca bir bölge veya bir arşiv türü ile ilgilidir.

Bu çalış… …ağlamlarda benimse… …bir çerçeve…

COAR Community Framework for Good Practices in Repositories

This document is translation of COAR Community Framework for Best Practices in Repositories. (Version 1) available at http://doi.org/10.5281/zenodo.4110829 = Bu doküman COAR Community Framework for Best Practices in Repositories. (Version 1). http://doi.org/10.5281/zenodo.4110829 künyeli yayının çevirisidir.

https://zenodo.org/record/4428521

Preview

Page: 1 of 5 | Automatic Zoom

COAR Açık Arşivlerde İyi Uygulamalar için Topluluk Çerçevesi

Kamuya açık versiyon 1 – 8 Ekim 2020

Bu metin Confederation of Open Access Repositories. (2020, October 8). COAR Community Framework for Best Practices in Repositories. (Version 1). Zenodo. http://doi.org/10.5281/zenodo.4110829 künyeli, CC BY lisanslı yayının çevirisidir. Daha fazla bilgi için www.coar-repositories.org adresini ziyaret edebilirsiniz.

Amaç

COAR kaynak türleri sözlüğünün 3.0 sürümünü yayınladı

Orçun Madran

11 Ağustos 2021

Açık Arşivler, COAR, Kontrollü Sözlük, Kurumsal Arşivler

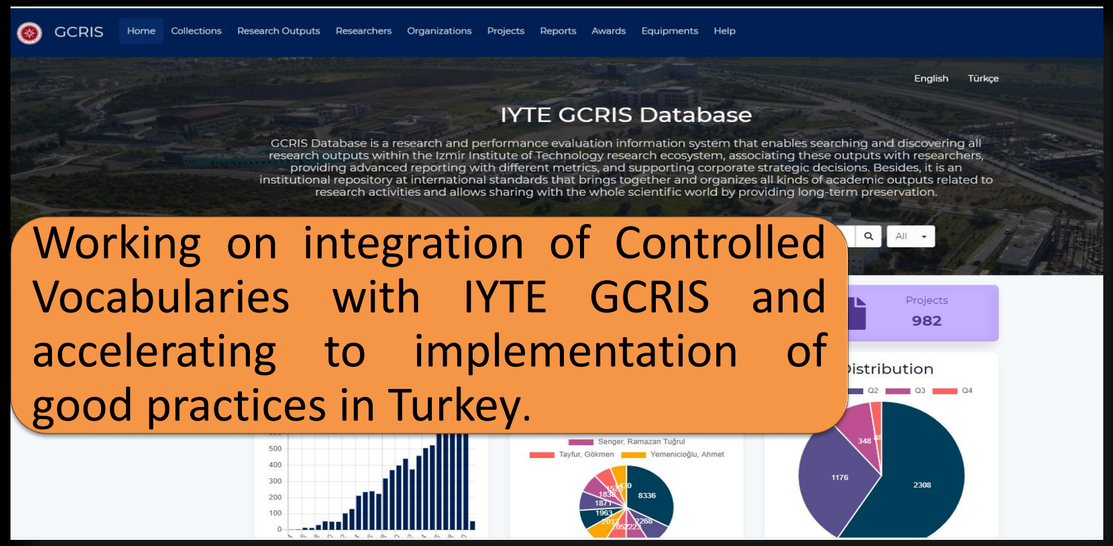
Kaynak türleri sözlüğünün 3.0 sürümünün yayınlandığını duyurmaktan mutluluk duyuyoruz. 2015'ten bu yana, Kontrollü Sözlükler Editör Kurulu tarafından üç COAR Kontrollü Sözlüğü geliştirildi ve sürdürülmekte: Kaynak türleri, erişim hakları ve versiyon türleri. Bu sözlükler şimdi yeni bir görünüme sahip ve Viyana Üniversitesi Kütüphanesi bünyesinde barındırılan iQvoc platformu kullanılarak yönetiliyor.

COAR Controlled Vocabularies for Repositories

…nda çok dillilik desteği ile pek çok dilde mevcuttur. Ayrıca, özellikle …eri …ol

https://acikerisim.org/coar-kaynak-turleri-sozlugunun-3-0-surumunun-yayinladi/#more-129

Not: İlkay Holt'un COAR'daki blog yazısından Türkçe çevrilmiştir.



Working on integration of Controlled Vocabularies with IYTE GCRIS and accelerating to implementation of good practices in Turkey.

Next Generation Repositories: IZTECH Example

GCRIS Home Collections Research Outputs Researchers Organizations Projects Reports Awards Equipments Help

English Türkçe

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.

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

Search All

The only RIS system from Turkey registered in EuroCRIS and OpenAIRE.

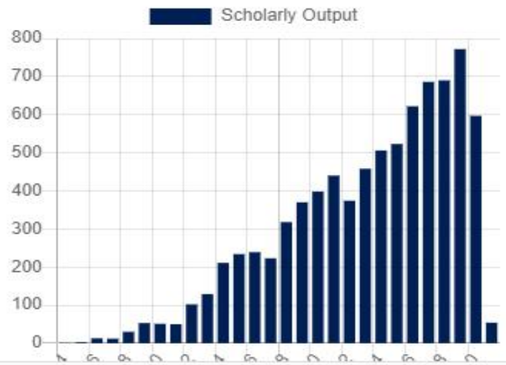
Publications 8050

Organisations 27

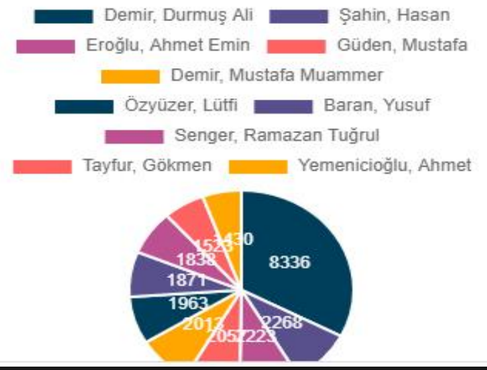
Researchers 247

Projects 982

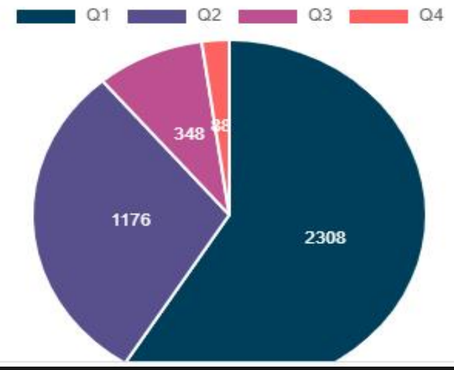
Scholarly Output



Citation Counts



Journal Distribution



Bölümler ve Koleksiyonlar

00. Veri Setleri / Datasets 6

Veri Makaleleri / Data Papers [3]

Veri Setleri / Datasets [3]

01. Patentler / Patents 1

Patent Koleksiyonu / Patent Collection [1]

02. Fen Fakültesi / Faculty of Science 1680

Chemistry / Kimya [289]
Collection of Chemistry / Kimya Bölümü koleksiyonu

Mathematics / Matematik [619]
Collection of Mathematics / Matematik Bölümü koleksiyonu

Molecular Biology and Genetics / Moleküler Biyoloji ve Genetik [310]
Collection of Molecular Biology and Genetics / Moleküler Biyoloji ve Genetik Bölümü koleksiyonu

Photonics / Fotonik [57]
Collection of Photonics / Fotonik Bölümü koleksiyonu

Physics / Fizik [442]

Başlık:	Experimental data showing the thermal behavior of a flat roof with phase change material
Yazarlar:	Tokuç, Ayça Başaran, Tahsin Yesügey, Sadık Cengiz Dokuz Eylül Üniversitesi Izmir Institute of Technology Dokuz Eylül Üniversitesi
Anahtar kelimeler:	Latent energy storage Phase change material Roof Thermal behavior Thermal energy storage
Yayın Tarihi:	Ara-2015
Yayıncı:	Elsevier
Özet:	The selection and configuration of building materials for optimal energy efficiency in a building require some assumptions and models for the thermal behavior of the utilized materials. Although the models for many materials can be considered acceptable for simulation and calculation purposes, the work for modeling the real time behavior of phase change materials is still under development. The data given in this article shows the thermal behavior of a flat roof element with a phase change material (PCM) layer. The temperature and energy given to and taken from the building element are reported. In addition the solid-liquid behavior of the PCM is tracked through images. The resulting thermal behavior of the phase change material is discussed and simulated in [1] A. Tokuç, T. Başaran, S.C. Yesügey, An experimental and numerical investigation on the use of phase change materials in building elements: the case of a flat roof in Istanbul, Build. Energy, vol. 102, 2015, pp. 91-104.
URI:	https://gcris.iyte.edu.tr/handle/grandcris/10764
Koleksiyonlarda Görünür:	Veri Setleri / Datasets

Bu Öğenin Dosyaları:

Dosya	Açıklama	Boyut	Biçim	
Supplementary Table 1.xls	Veri Seti	18.75 MB	Microsoft Excel	Göster/Aç
Supplementary Table 2.xls	Veri Seti	27.5 kB	Microsoft Excel	Göster/Aç
5821.pdf	Makale Dosyası	588.4 kB	Adobe PDF	Göster/Aç

Başlık:	Small RNA data set that includes tRNA-derived fragments from Jurkat cells treated with camptothecin
Yazarlar:	Coşacak, Mehmet İlyas Erdoğan, İpek Nalbant, Ayten Akgül, Bünyamin Izmir Institute of Technology Izmir Institute of Technology Izmir Institute of Technology Izmir Institute of Technology
Anahtar kelimeler:	RNA data set Jurkat cells tRNA-derived fragments (tRF) Camptothecin
Yayın Tarihi:	Nis-2018
Yayıncı:	Elsevier
Özet:	In this article, we report a small RNA data set obtained from human T cell acute leukemia Jurkat cells, which were treated with the universal apoptotic agent camptothecin. Based on the Annexin-V labeling pattern, we sorted two Jurkat subpopulations in treated cells: one that is sensitive to the drug and the other being relatively more resistant. We report new original data that include the frequency of tRNA-derived fragments (tRF) in drug-sensitive and resistant cells. We also present partially analyzed data to show the origin of reads on tRNAs as well as the borders of the fragments. We believe that this data can benefit the science community working in the field of tRF and/or apoptosis.
Açıklama:	Yayına ait veri setlerine https://www.ncbi.nlm.nih.gov/geo/query/acc.cgi?acc=GSE35442 linki aracılığıyla ulaşabilirsiniz.
URI:	https://hdl.handle.net/11147/10765
Koleksiyonlarda Görünür:	Veri Setleri / Datasets

Baran, Yusuf

Print

Varyantlar	Baran, Y., Baran, Y
Ana Birim	Department of Molecular Biology and Genetics
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Diğer Epostalar	ybaran[at]gmail.com
ORCID	0000-0002-1056-4673
Scopus Author ID	9636164400
WoS Researcher ID	F-8535-2012
Bağlantılar	Google Scholar
Website	http://yusufbaran.net/tr/ana-sayfa/
Durum	Aktif Personel

Bibliyometri

Scopus

89	27	2507	282
Dökümanlar	H-İndeks	Atıflar	Eş Yazarlar

Google Scholar

Dökümanlar	Atıflar	H-İndeks	I10-İndeks	Eş Yazarlar
189	4021 / 2808	34 / 25	71 / 51	0
	tümü / 2016'dan beri	tümü / 2016'dan beri	tümü / 2016'dan beri	

Yıllık Atıflar

İlgi Alanları

İYTE

143	1871	2.25	14
Bilimsel Çıktı	Atıf Sayısı	Alan Ağırlıklı Atıf Etkisi	Tez Danışmanlığı

Makaleler (64)	Konferanslar (58)	Kitaplar (0)	Kitap Bölümleri (0)	Diğerleri (0)

Yayınlar

#	Tarihi	Başlık	Yazar(lar)	Atıflar
1	2020	Synergistic apoptotic effects of bortezomib and methylstat on multiple myeloma cells	Kaci, Fatma Necmiye; Kiraz, Yağmur; Çekdemir, Demet; Baran, Yusuf	0
2	2020	Therapeutic Potentials of Inhibition of Jumonji C Domain-containing Demethylases in Acute Myeloid Leukemia	Koca, Duygu; Hastar, Nurcan; Engür, Selin; Kiraz, Yağmur; Ulu, Gizem Tuğçe; Çekdemir, Demet; Baran, Yusuf	0
3	2019	Investigation of Potential Anticarcinogenic Effects of Corilagin in Lung Cancer Cells	Baran, Yusuf; Çinçin, Zeynep Birsu; Rencüzoğulları, Çağla; İplik, Elif Sinem; Çakmakoğlu, Bedia	0
4	2018	An answer to colon cancer treatment by mesenchymal stem cell originated from adipose tissue	İplik, Elif Sinem; ERtuğrul, Barış; Kozanoğlu, İlknur; Baran, Yusuf	4
5	2018	Hesperidin promotes programmed cell death by downregulation of nongenomic estrogen receptor signalling pathway in endometrial cancer cells	Baran, Yusuf; Kıran, Bayram; Cincin, Zeynep Birsu; Çakmakoğlu, Bedia	17
6	2018	A minimally invasive transfer method of mesenchymal stem cells to the intact periodontal ligament of rat teeth: a preliminary study	Gül Amuk, Nisa; Kurt, Gökmen; Kartal Yandım, Melis; Adan, Aysun; Baran, Yusuf	1
7	2017	Biodiversity, drug discovery, and the future of global health: Introducing the biodiversity to biomedicine consortium, a call to action	Shrestha, Uttam Babu; Neergheen-Bhujun, Vidushi; Awan, Almas Taj; Pesic, Milica; Kagansky, Alexander; Egamberdieva, Dilfuza;	5

GCRIS

gultekingurdal@iyte.edu.tr

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Researchers:

Akgül, Bünyamin × Akkurt, Sedat ×

Year Range:

2015 — 2021

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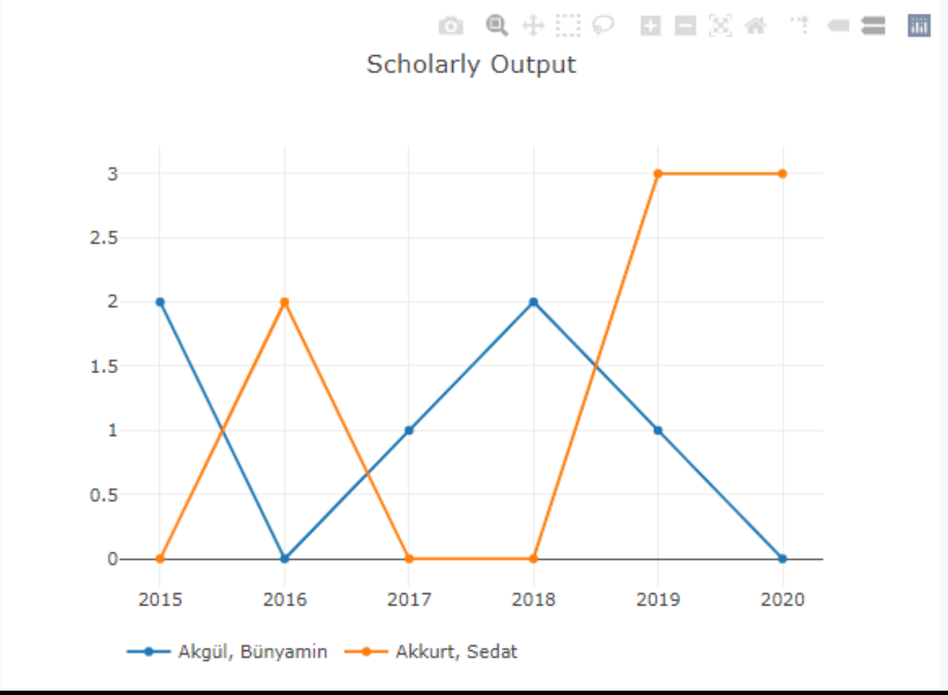

Open Science Policy in Turkey: National Policy

OpenAIRE BLOG

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

48

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 hard to make compulsory open access to theses and dissertations. As a result of these efforts, the Art. 10 of Law numbered 7100 has been entered into force upon publication of the Official Gazette numbered 30352 and dated March 06, 2018. According to this article, which constitutes Additional Art 40 of Higher Education Code numbered 2547:

07.08.2018

"Unless a decision of secrecy is taken by the authorized institutions and organizations, the graduate theses shall be opened to access in electronic environment by the National Theses Center of the Council of Higher Education in order to contribute to science."

It is compulsory to send all theses and dissertations to YÖK National Theses Center in Turkey. Therefore, after the said provision entered into force, "The Directive on Collecting, Organizing and Opening to Access The Theses and Dissertations in Electronic Environment" is prepared in cooperation with YÖK National Theses Center and OpenAIRE NOAD Turkey and shared with all universities in the country.

Before this regulation, theses and dissertations were closed to access for 3 years in accordance with the request of the respective author. However, it is no longer possible to prevent access to theses and dissertations except for the provisions of the regulation. In other words, the author's request is not enough to close theses and dissertations, but also university administration decision is necessary. This improvement is an important step in the liberation of science. Henceforth, much more theses and dissertations from Turkey will be available to the scientific world.

The rate of OA Theses and Dissertations raised from %56.3 to %98.7

Turk Telekom 10:19 %98

Tweet

M. A. Yekta Saraç
@yekta_sarac

YÖK'ün girişimi ile başlatılan yasal süreç sonucunda, lisansüstü tezlerin elektronik ortamda erişime açılması ile birlikte erişime açık tez sayısının oranı 2017 yılında %56,3 iken, 2018 yılında %98,7'ye yükseldi. Tabloda konuya ilişin bilgiler yer almaktadır:

SAYILARLA, YÖK ULUSAL TEZ MERKEZİ (31 ARALIK 2018)

Toplam Tez Sayısı	: 520.456
Erişime Açık Tez Sayısı	: 343.631
Yararlanan Araştırmacı Sayısı	: 4.019.895
İndirilen Tez Sayısı	: 14.640.189

Yıl	Sisteme Eklenen Tez Sayısı	Erişime Açık Tez Sayısı	Erişime Açık Tez Sayısının % Oranı
2017	36.610	20.617	%56.3
2018	41.816	41.314	%98.7

Yanıtını Tweetle

The number of theses downloaded from the CoHE National Thesis Center increased by 110% in May, compared to the figure in March when the novel Coronavirus (COVID-19) pandemic started to be seen in Turkey.

IZTECH Open Access Policy

İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ

Senato Karar Tarihi: 08.10.2013

İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ
AÇIK ERİŞİM POLİTİKASI

POLİTİKA BAŞLIĞI:

İzmir Yüksek Teknoloji Enstitüsü (İYTE) bünyesinde yapılan akademik çalışmalar için açık erişim, kurumsal arşivleme, uzun dönemli derleme ve dijital koruma.

BAĞLAM:

Özellikle ileri düzeyde eğitim-öğretim, araştırma, üretim, yayın ve danışmanlık yapmak üzere 1992 yılında kurulmuş olan İYTE, Türkiye Cumhuriyeti'nin çıkarlarına ve kalkınmasına hizmet edecek, sanayinin ve toplumun ihtiyaçlarına cevap verecek nitelikte eğitim vermeyi, araştırmalar yapmayı ve araştırma sonuçlarının mümkün olan en geniş çevrelere sunulmasını ilke edinmiştir. Bir devlet üniversitesi olarak İYTE, lisans ve lisansüstü seviyelerde; araştırmacı, yaratıcı ve girişimci, eleştirel düşünceye yatkın ve karar vermede özgür, ekip çalışmasında başarılı, kendi teknolojimizin üretilmesine katkısı olacak, hammadde kaynaklarımızı değerlendirecek, katma değeri yüksek üretime önderlik edecek, kendi iş ortamını yaratacak bilim insanları, mühendisler, mimarlar ve plancılar yetiştirerek ülkemize katkıda bulunmayı hedeflemekte ve bir araştırma üniversitesi olarak geniş kitlelere karşı taşıdığı sorumluluklarının önemini çok iyi bilmektedir.

Türkiye'nin sanayi alanında gelişimi ve Türkiye ekonomisinin geleceği, yeni teknolojilerden yararlanılmasına ve bu teknolojilerin geliştirilmesinde oynanacak aktif role bağlı olacaktır. Bunun içindir ki, ileri ülkelerde, özellikle teknolojik alanda üst düzeyde eğitim-öğretim ve araştırma yapma temel amacıyla benimsenen en gelişmiş teknik üniversite modeli, teknoloji enstitüleridir. Ülkemizde böylesi bir misyonu yüklenmesi için kurulan iki teknoloji enstitüsünden biri olan İYTE'nin akademik çalışmalarının açık erişim olarak paylaşılması, bu çalışmaların görünürlüğünü ve tanınırlığını arttırmayı mümkün kılarak, yapılacak yeni araştırmalarda kamu ve özel sektörden daha fazla proje desteği sağlanmasına olanak tanıyacaktır. Bu nedenle İYTE, mensuplarına ait akademik çalışmaları mümkün olan en geniş kitlelere ulaştırabileceği bir açık erişim mekanizması ve bu kapsamda hizmet verecek bir açık erişim arşivi kurmaya karar vermiştir. İYTE Kütüphanesi, üniversite araştırmacılarına ait çalışmaların uygun formatlarda derlenmesinde, uzun dönemli korunmasında ve en geniş şekilde erişime sunulmasında stratejik bir rol oynayacaktır.

POLİTİKA AMAÇLARI:

1. İYTE bünyesinde üretilen akademik çalışmaların uzun dönemli derlenmesinin ve korunmasının sağlanması.
2. İYTE bünyesinde üretilen akademik çalışmaların mümkün olan en geniş çevrelerde erişime sunulması.

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

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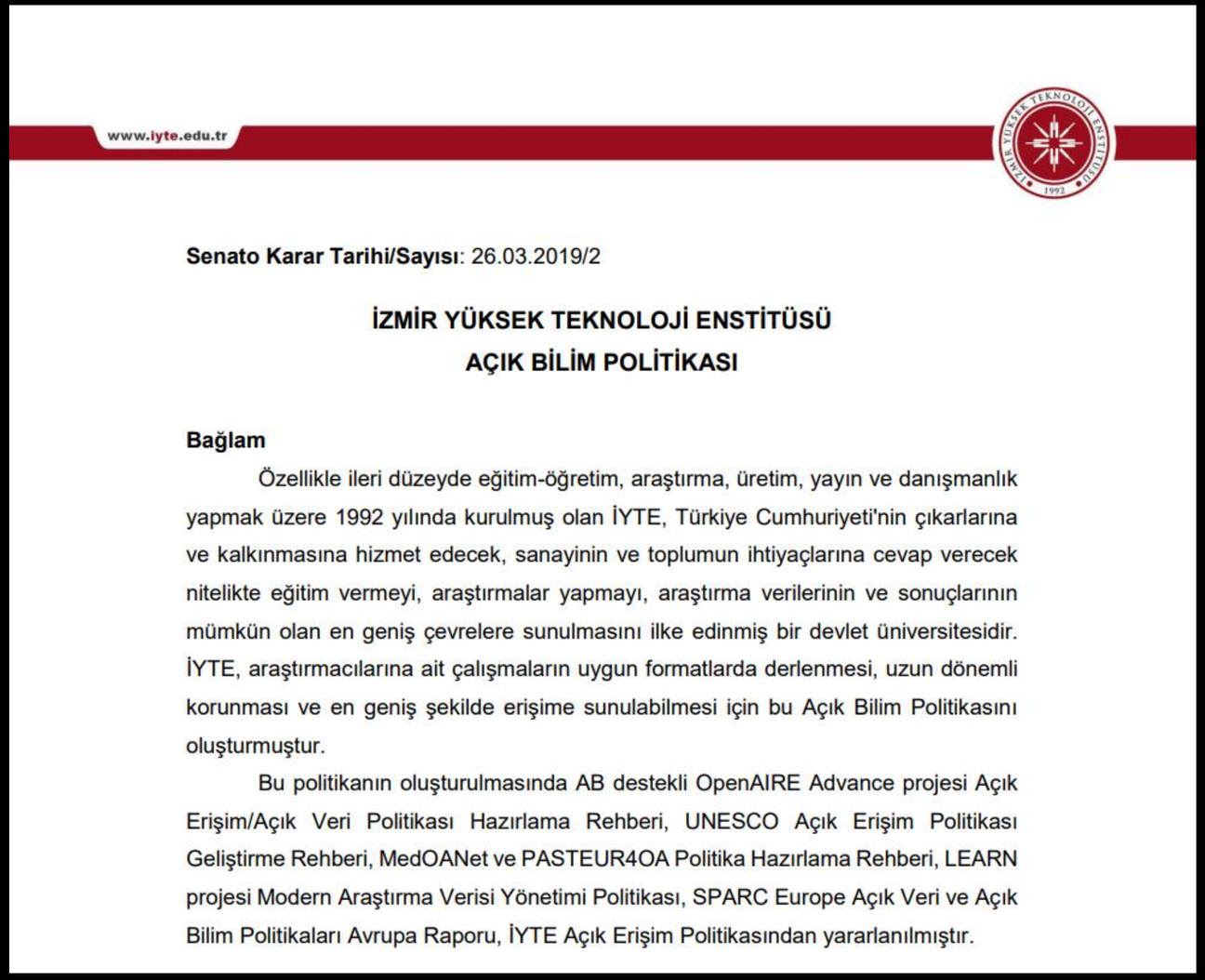
IZTECH Open Science Policy



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Bağlam

Özellikle ileri düzeyde eğitim-öğretim, araştırma, üretim, yayın ve danışmanlık yapmak üzere 1992 yılında kurulmuş olan İYTE, Türkiye Cumhuriyeti'nin çıkarlarına ve kalkınmasına hizmet edecek, sanayinin ve toplumun ihtiyaçlarına cevap verecek nitelikte eğitim vermeyi, araştırmalar yapmayı, araştırma verilerinin ve sonuçlarının mümkün olan en geniş çevrelere sunulmasını ilke edinmiş bir devlet üniversitesidir. İYTE, araştırmacılarına ait çalışmaların uygun formatlarda derlenmesi, uzun dönemli korunması ve en geniş şekilde erişime sunulabilmesi için bu Açık Bilim Politikasını oluşturmuştur.

Bu politikanın oluşturulmasında AB destekli OpenAIRE Advance projesi Açık Erişim/Açık Veri Politikası Hazırlama Rehberi, UNESCO Açık Erişim Politikası Geliştirme Rehberi, MedOANet ve PASTEUR4OA Politika Hazırlama Rehberi, LEARN projesi Modern Araştırma Verisi Yönetimi Politikası, SPARC Europe Açık Veri ve Açık Bilim Politikaları Avrupa Raporu, İYTE Açık Erişim Politikasından yararlanılmıştır.

- 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, which is the first Open Science Policy in Turkey, includes details on both publications and research data.
- Sent to other Turkish universities as a model policy by CoHE.

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Funder Policy: TUBITAK Open Science Policy

The Scientific and Technological Research Council of Turkey (TUBITAK) got accepted Open Science Policy on March, 14 2019.

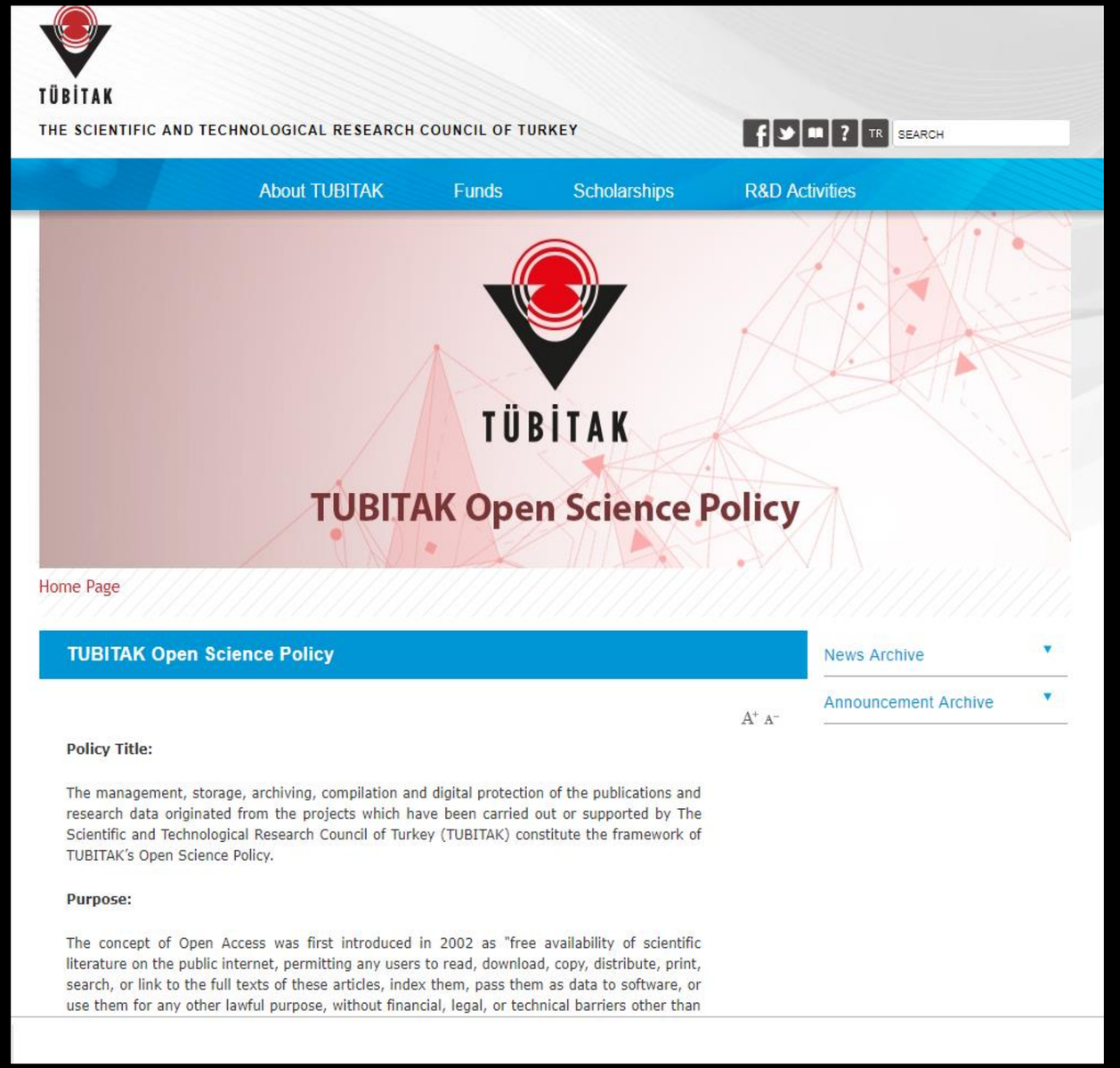
Based on OpenAIRE model Policy on Open Science for Research Funding Organisations (RFOs).

It covers publications (peer reviewed articles, etc.) and research data which is produced by TUBITAK support, completely or partially, and the publications and research data of TUBITAK researchers.

It has been deemed appropriate to implement the policy to pilot programs in 2019 and to all support programs in 2020.

The number of researchers affected by this policy ~ 25.000

https://ulakbim.tubitak.gov.tr/en/haber/tubitak-open-science-policy-accepted



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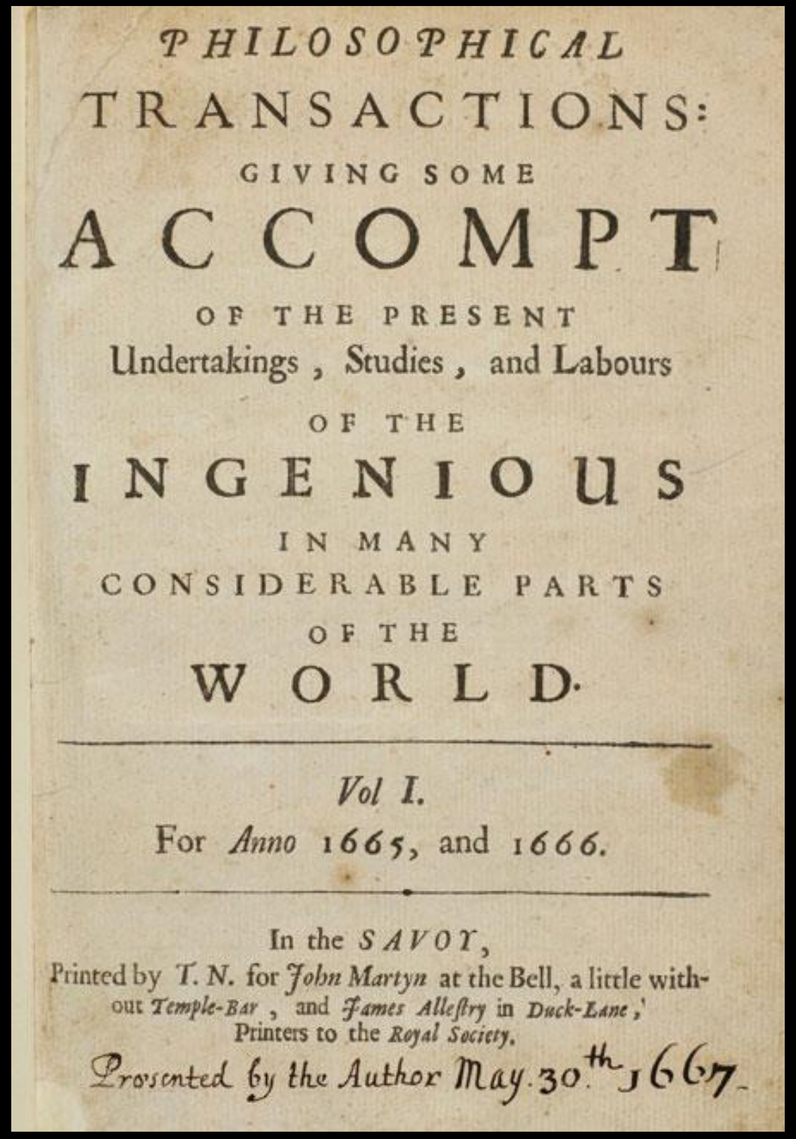

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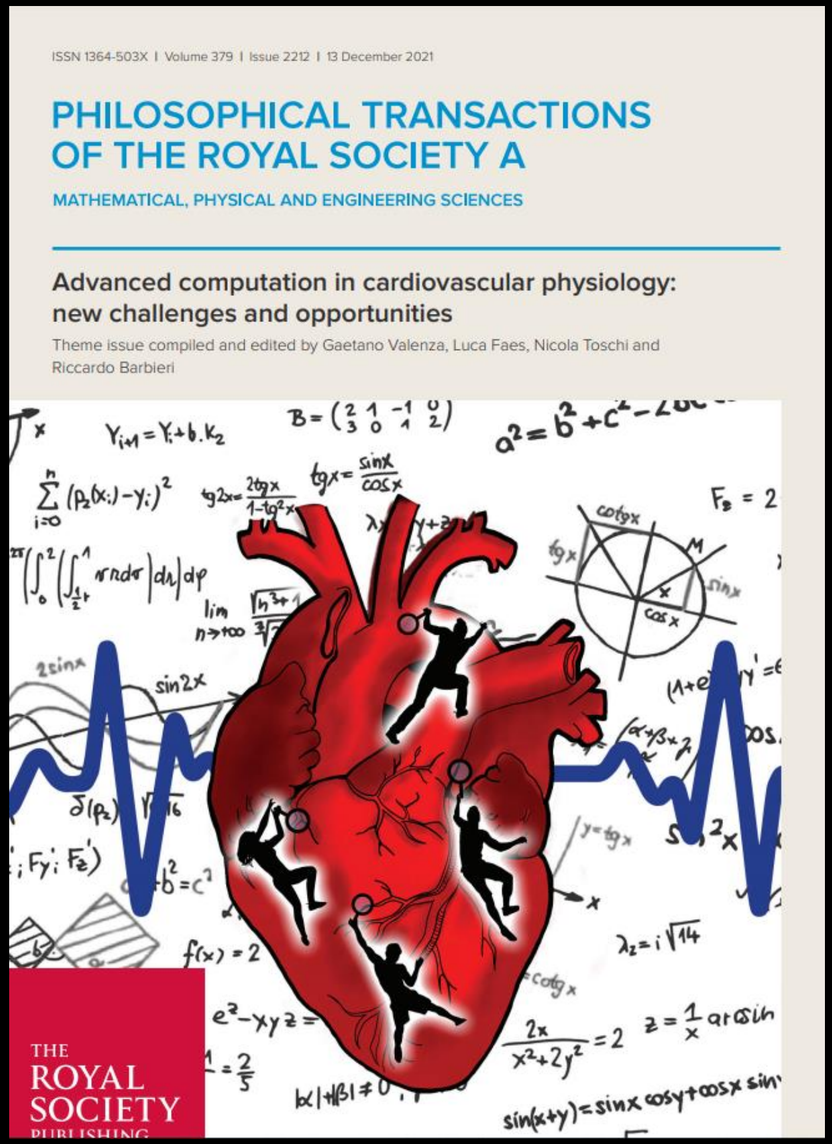

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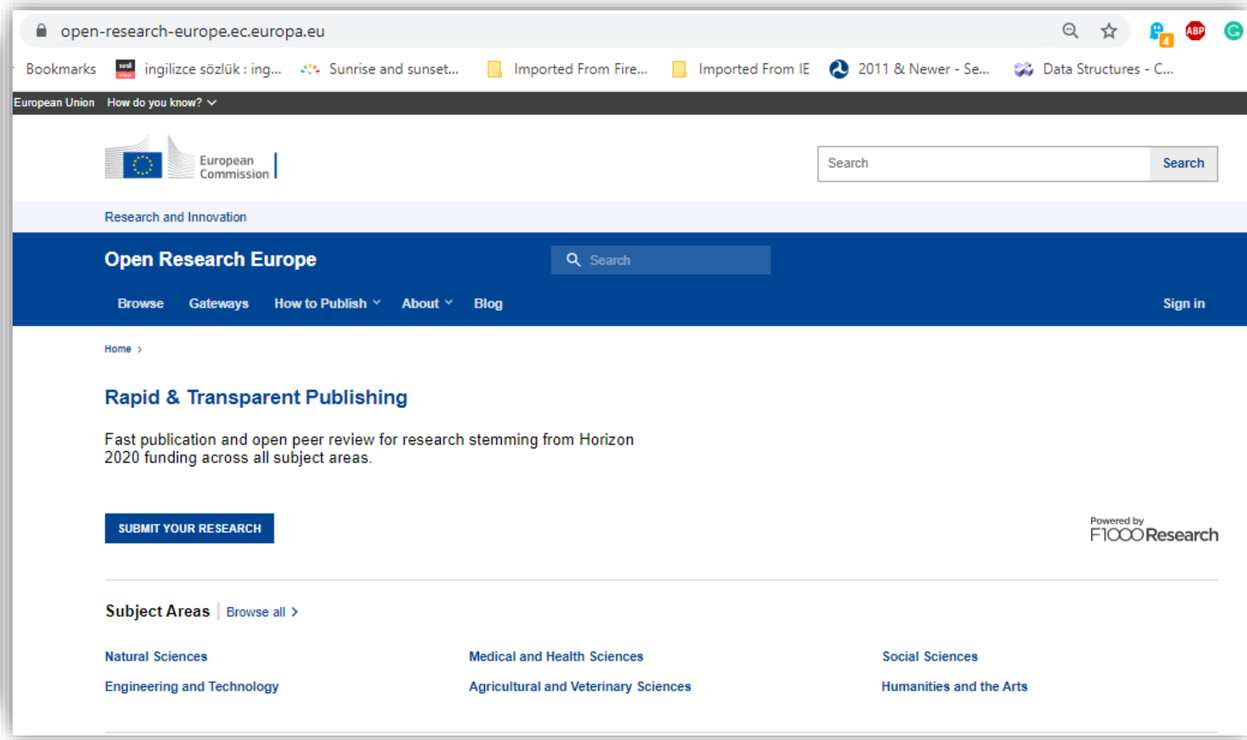

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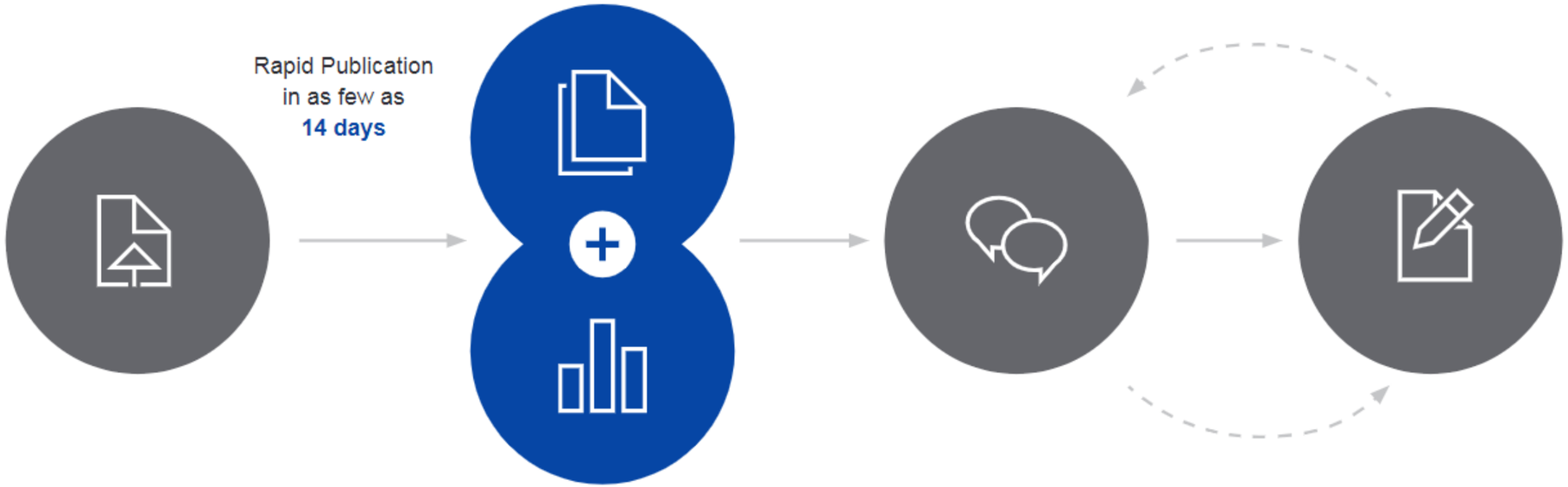

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Open peer review example

Reviewer Report

14 May 2020 | for Version 1

Richard Dortch, Division of Neuroimaging Research, Barrow Neurological Institute, Phoenix, AZ, USA

? APPROVED WITH RESERVATIONS

This well-written manuscript seeks to develop and evaluate a silent myelin-specific MRI sequence for applications in infants and the elderly, where loud imaging sequences can be problematic. Recent work has demonstrated that so-called inhomogeneous MT (ihMT), which arises primarily from dipolar order effects in myelin lipids, may be a more specific assay of myelin content than other MRI measures (e.g., T_2 relaxation, diffusion, conventional magnetization transfer). As a result, there is significant interest in developing clinically feasible ihMT sequences for applications in neurodegenerative diseases, development, and aging. Overall, the study was well designed (e.g., strong repeatability and ROI analyses) and the results were compelling. However, there are several minor-to-moderate flaws, particularly in the motivation (e.g., the need for silent ihMT sequences) and methods (e.g., the influence of head orientation on ihMT), that slightly reduced my enthusiasm and lead me to recommend a minor revision.

1. The case made for silent MT sequences is not particularly compelling. The authors mention that these are "among the loudest" sequences because they use fast gradient-echo readouts to obtain whole-brain data in clinically feasible scan times. However, these sequences are usually SAR-limited with fairly reasonable TRs (typically between 25-50 ms) that are acquired at lower resolutions to ensure adequate SNR. Together, this results in a sequence with reduced acoustic noise compared to most rapid, high-resolution gradient echo sequences as well as other quantitative approaches that use EPI (e.g., diffusion). (moderate)

2. Furthermore, the benefits of using a silent myelin sequence may not outweigh the drawbacks. For example, the proposed method requires very low flip angles (2 degrees), which results in a significant SNR penalty relative to standard ihMT sequences. In addition, the RUFIS readout results in a small increase in scan time. Given than SNR is already relatively low for ihMT indices, the proposed method may be suboptimal in many clinical scenarios. (moderate)

3. The study was not designed to specifically measure the effect of head orientation on ihMT. Subjects were scanned four times (across two sessions), but head orientation was not directly controlled or measured across these scans. Instead a mixed effects model was used and head orientation was inferred from the images (rather than the orientation of individual tracts being measured using DTI for example). Furthermore, the confounding influences of T_1 and B_1 were not measured. The authors attempt to overcome this by using

Responses (1)

AUTHOR RESPONSE 19 Aug 2020

Tobias C. Wood, King's College London, London, UK

We thank the reviewer for their time and insight. There were in total five reviewers, with many helpful suggestions, and hence there have been many edits to the paper. Responses to this particular review follow below.

1. We concede that the acoustic noise from any scan will depend on the precise sequence settings. However, we note that recent ihMT work has used both an MP-RAGE style acquisition, with an imaging TR of 4.3ms and also SSFP with a TR of only 5ms. The introduction has been amended to explicitly reference these papers.

2. We agree that radial sequences are SNR constrained relative to cartesian sequences, this has now been explicitly stated in the discussion. Although the 3D radial readout does imply a time penalty relative to cartesian, we note that our overall scan time is competitive with recent cartesian ihMT papers. This has been added to the discussion.

3. We agree that it would have been preferable to acquire explicit T1 & B1 maps for comparison, but total protocol time prevented that in this study. In our opinion the ihMTRinv maps display more even contrast than the ihMTR maps, we hope that the revised figures with axial and coronal sections make this clearer.

4. We did not have a conventional cartesian ihMT implementation available when this study was conducted. However, as there are multiple such implementations in the literature, it is possible to broadly compare image quality and achieved ihMTR values. We have added a table of ihMTR values to make this comparison easier. We concede that it is not possible to compare acoustic noise levels, because it is not standard in the MR literature to record and report the acoustic noise of a sequence. In previous work (reference 22) we did directly compare noise levels between a radial ZTE and cartesian implementation of Variable Flip-Angle T1 mapping, which in our opinion would be similar to the noise levels in this work and found a 30 dB reduction in noise level.

5. Figure 1 has been updated with a reduced number of spokes to emphasise the stepped gradients. We hope this is clearer.

6. We thank you for pointing out that the frequency offset is not ideal for generating single-sided MT contrast. With hindsight, this is obvious. The discussion has been amended to reflect this.

7. Because the MT pulses are applied off-resonance they should not significantly interact with the

REVISED Amendments from Version 1

The manuscript has been updated in response to the reviewer's helpful and insightful comments. The most important changes are that the figures have been redesigned and the emphasis on the head-orientation study reduced. The MR images have been updated to use a consistent set of slices, Figures 3 & 4 have been merged into a single figure, and the average within-subject CoV has been added. Figure 1 (the number of spokes) and Figure 6 (colour scheme) have been updated for clarity. We hope that these new figures are clearer and more intuitive than the previous figures. The language used to refer to the head orientation study has been clarified to refer to results as "highly statistically significant" rather than "strong". A reviewer provided a plausible explanation for the negative values of ihMTR in CSF, namely the use of Fermi pulses in the preparation module, and this limitation has been discussed. A table with the mean ihMTR and inverse ihMTR values has been added. The discussion has been expanded to better set the context of the paper within existing literature, with better comparisons between our results and previous papers. We think the resulting paper is much improved and thank the reviewers again for their valued input.

See the authors' detailed response to the review by Douglas Dean
See the authors' detailed response to the review by Gunther Helms
See the authors' detailed response to the review by Richard Dortch
See the authors' detailed response to the review by Olivier Girard and Lucas Soustelle

Open data example

Data availability

Underlying data

Zenodo: IRM raw data (video format) and dataset (csv) supporting platelet attachment to collagen IV or fibrinogen in percentage over time (related to Figure 1), https://doi.org/10.5281/zenodo.3774819[47].

Zenodo: Raw data, temporal profiling for platelet spreading dynamics (related to Figure 3). https://doi.org/10.5281/zenodo.3774823[48].

Zenodo: Raw data for microtubule extension IRM images (videos) and raw data set (csv) (related to Figure 4), https://doi.org/10.5281/zenodo.3774827[49].

Zenodo: Raw data (IRM videos) of Nocodazole experiments (videos) and raw dataset for statistical purposes (csv) (related to Figure 4), https://doi.org/10.5281/zenodo.3774835[50].

Zenodo: Nocodazole experiment low mag images, IRM, raw data. Platelets fixed, imaged by IRM in low magnification for counting purposes. Platelets are either control or treated with nocodazole, https://doi.org/10.5281/zenodo.3774843[51].

Zenodo: Raw data to support percentage of platelets in each morphological state, 1 hour post-platelet seeding (related to Figure 8), https://doi.org/10.5281/zenodo.3774845[52].

Zenodo: Dynamics of platelet spreading over time with/without treatments with manganese and thrombin (related to Figure 8). Raw images of platelets treated with and without Manganese and thrombin (tif, jpegs) and raw data set (csv), https://doi.org/10.5281/zenodo.3774849[53].

Zenodo: Un-cropped and unedited images/movies for all (DIC, movies, cryo-ET, SEM images). https://doi.org/10.5281/zenodo.3773437[54].

Extended data

Figshare: Differential dynamics of early stages of platelet adhesion and spreading on collagen IV- and fibrinogen-coated surfaces, https://doi.org/10.6084/m9.figshare.c.4944738[24].

This project contains the following extended data:

- **Figure S1. Platelet integrated activity.** Integrated activity of platelets: the mean absolute value |ΔIRM| at every time point. X-axis: Time in seconds. Y-axis: Platelet mean activity. Red dotted lines separate the phases: background, prior to platelet attachment, filopodial spreading phase, lamellipodial spreading phase, and the fully spread phase.
- **Figure S2. Interactions with the surface for collagen IV and fibrinogen.** The number of pixels interacting with the surface over time for the surfaces collagen IV and fibrinogen. Time in seconds.
- **Figure S3. Quantification and image analysis of platelet spreading, based on IRM live imaging for fibrinogen.** (A) Platelet spreading viewed by IRM, and the corresponding focal activity map, $\Delta IRM_t = IRM_t - IRM_{t+1}$. Positive values (yellow) imply local attachment; negative values (blue) imply local detachment (bottom right). One filopodia initially attaching and detaching (black arrow). Scale bar 2 μm (B) Integrated tapping activity of platelets: the mean absolute value |ΔIRM| at every time point. X-axis: Time in seconds. Y-axis: Platelet mean activity. Red dotted lines separate the phases: background, prior to platelet attachment, filopodial spreading phase, lamellipodial spreading phase, and the fully spread phase. (C) Total number of pixels interacting with the surface over time. Time in seconds. (D) Accumulated attachment and detachment over time shown by activity map, yellow means more attachment events, blue means fewer attachment event. Right images, correspond IRM images. Scale bar 2 um.
- **Movie S1**. Shows the accumulated number of transitions from interaction to not interacting with the surface at every pixel over time.
- **Movie S2**. Shows an overlay of the highly active regions on top of the IRM images over time on collagen IV.
- **Movie S3**. Shows an overlay of the highly active regions on top of the IRM images over time on fibrinogen.

Software availability

IRM spreading dynamics source code available from: https://github.com/assafZaritskyLab/IRM-Spreading-Dynamics

Archived source code as at time of publication: https://doi.org/10.5281/zenodo.3770506[21]

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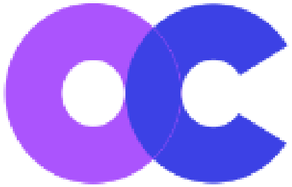

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OpenCitations espouses fully the founding principles of Open Science. It complies with the FAIR data principles by Force11 that data should be **findable**, **accessible**, **interoperable** and **re-usable**, and it complies with the recommendations of I4OC that citation data in particular should be **structured**, **separable**, and **open**. On the latter topic, OpenCitations has recently published a formal definition of an Open Citation, and has launched a system for globally unique and persistent identifiers (PIDs) for bibliographic citations – Open Citation Identifiers (OCIs).

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RESEARCH ARTICLE

https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0230416

The citation advantage of linking publications to research data

Giovanni Colavizza, Iain Hrynaszkiewicz, Isla Staden, Kirstie Whitaker, Barbara McGillivray

Published: April 22, 2020 • https://doi.org/10.1371/journal.pone.0230416

Abstract

Efforts to make research results open and reproducible are increasingly reflected by journal policies encouraging or mandating authors to provide data availability statements. As a consequence of this, there has been a strong uptake of data availability statements in recent literature. Nevertheless, it is still unclear what proportion of these statements actually contain well-formed links to data, for example via a URL or permanent identifier, and if there is an added value in providing such links. We consider 531, 889 journal articles published by PLOS and BMC, develop an automatic system for labelling their data availability statements according to four categories based on their content and the type of data availability they display, and finally analyze the citation advantage of different statement categories via regression. We find that, following mandated publisher policies, data availability statements become very common. In 2018 93.7% of 21,793 PLOS articles and 88.2% of 31,956 BMC articles had data availability statements. Data availability statements containing a link to data in a repository—rather than being available on request or included as supporting information files—are a fraction of the total. In 2017 and 2018, 20.8% of PLOS publications and 12.2% of BMC publications provided DAS containing a link to data in a repository. We also find an association between articles that include statements that link to data in a repository and up to 25.36% (± 1.07%) higher citation impact on average, using a citation prediction model. We discuss the potential implications of these results for authors (researchers) and journal publishers who make the effort of sharing their data in repositories. All our data and code are made available in order to reproduce and

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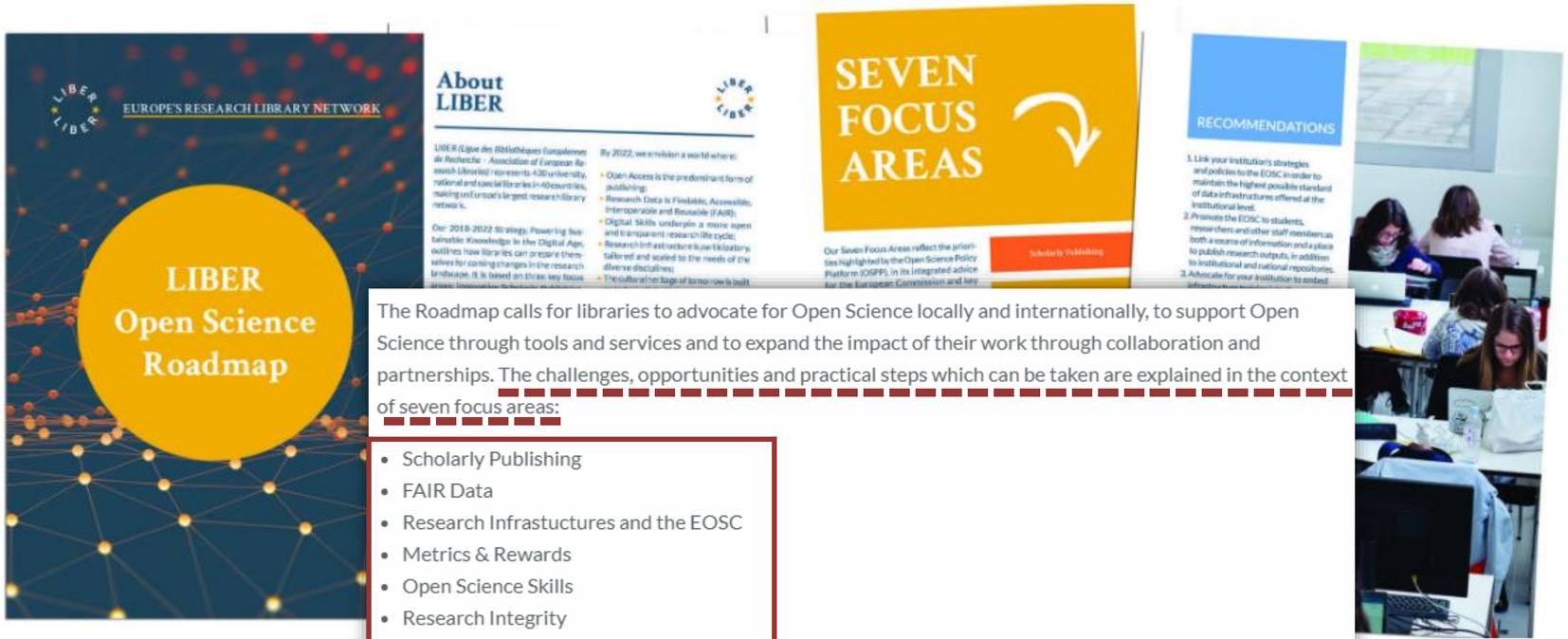

The Roadmap calls for libraries to advocate for Open Science locally and internationally, to support Open Science through tools and services and to expand the impact of their work through collaboration and partnerships. The challenges, opportunities and practical steps which can be taken are explained in the context of seven focus areas:

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Open Science

UNESCO Recommendation on Open Science

At the 40th session of UNESCO's General Conference, 193 Members States tasked the Organization with the development of an international standard-setting instrument on Open Science in the form of a UNESCO Recommendation on Open Science to be adopted by Member States in 2021.

The Recommendation is expected to define shared values and principles for Open Science, and identify concrete measures on Open Access and Open Data, with proposals to bring citizens closer to science and commitments to facilitate the production and dissemination of scientific knowledge around the world. The Recommendation will be developed through a regionally balanced, multistakeholder, inclusive and transparent consultation process.

UNESCO Recommendation on Open Science will complement the 2017 Recommendation on Science and

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- Open Science Advisory Committee

https://en.unesco.org/science-sustainable-future/open-science/recommendation

Draft text of the UNESCO Recommendation on Open Science

Following the consensus reached during the intergovernmental meeting of experts held from 6 to 11 May 2021, the Draft text of the Recommendation will be put forward for adoption by UNESCO's General Conference during its next session in November 2021:

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DRAFT TEXT OF THE UNESCO RECOMMENDATION ON OPEN SCIENCE

Preamble

The General Conference of the United Nations Educational, Scientific and Cultural Organization (UNESCO), meeting in Paris, from ... to ... November 2021, at its 41st session,

Recognizing the urgency of addressing complex and interconnected environmental, social and economic challenges for the people and the planet, including poverty, health issues, access to education, rising inequalities and disparities of opportunity, increasing science, technology and innovation gaps, natural resource depletion, loss of biodiversity, land degradation, climate change, natural and human-made disasters, spiralling conflicts and related humanitarian crises,

Acknowledging the vital importance of science, technology and innovation (STI) to respond to these challenges by providing solutions to improve human well-being, advance environmental sustainability and respect for the planet's biological and cultural diversity, foster sustainable social and economic development and promote democracy and peace,

Also acknowledging the opportunities and the potential provided by the expansion of information and communication technologies and global interconnectedness to accelerate human progress and foster knowledge societies and *highlighting* the importance of narrowing the STI and digital gaps existing between and within countries and regions,

Noting the transformative potential of open science for reducing the existing inequalities in STI and accelerating progress towards the implementation of the 2030 Agenda and the achievement of the Sustainable Development Goals (SDGs) and beyond, particularly in Africa, least developed countries (LDCs), landlocked developing countries (LLDCs), and small island developing States (SIDS),

Mindful of UNESCO's global priorities, namely gender equality and Africa, and the need to mainstream all these aspects in open science policies and practices with a view to addressing the root causes of inequalities and providing effective solutions to that end,

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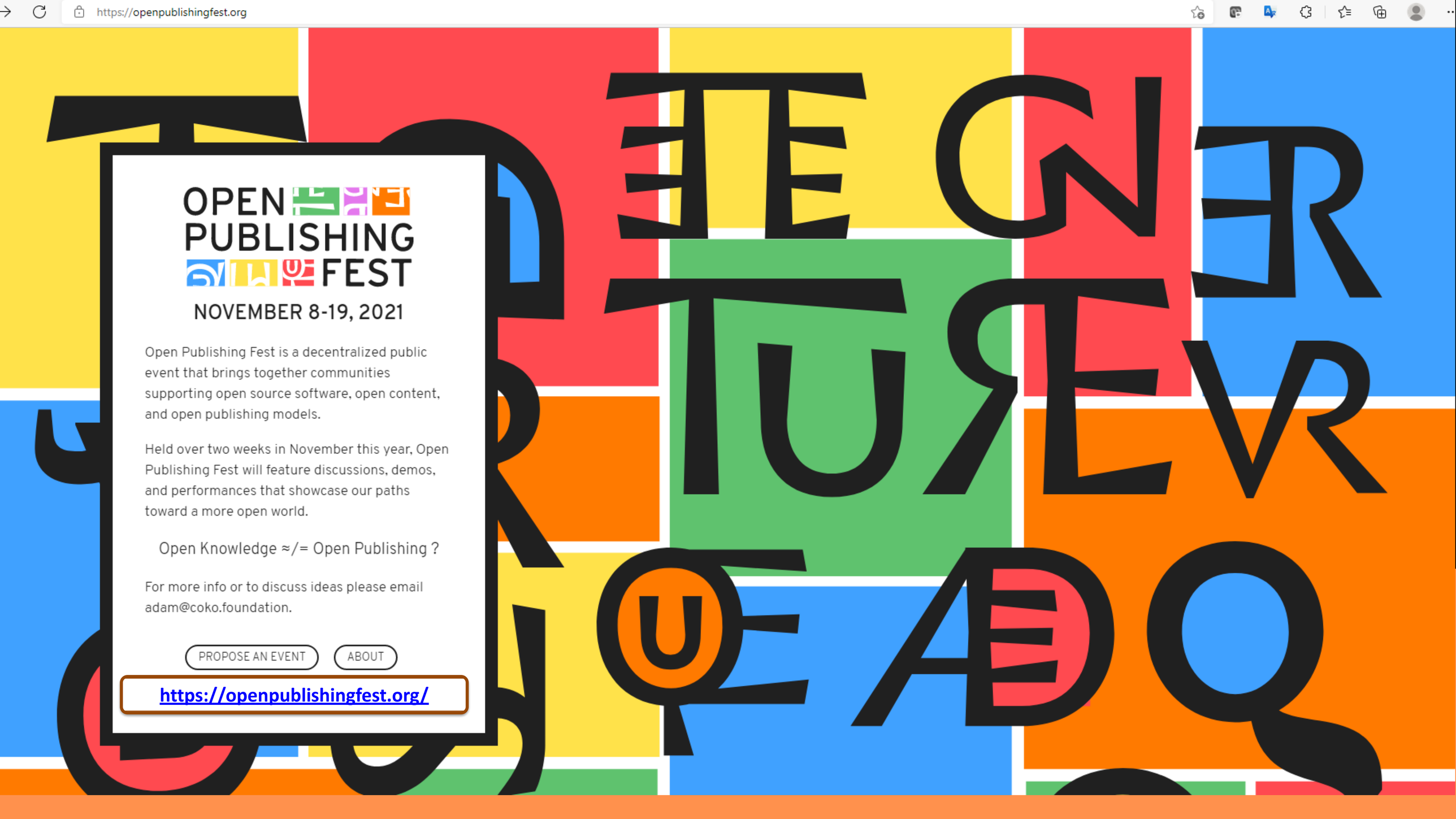
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NOVEMBER 8-19, 2021
Open Publishing Fest is a decentralized public event that brings together communities supporting open source software, open content, and open publishing models.
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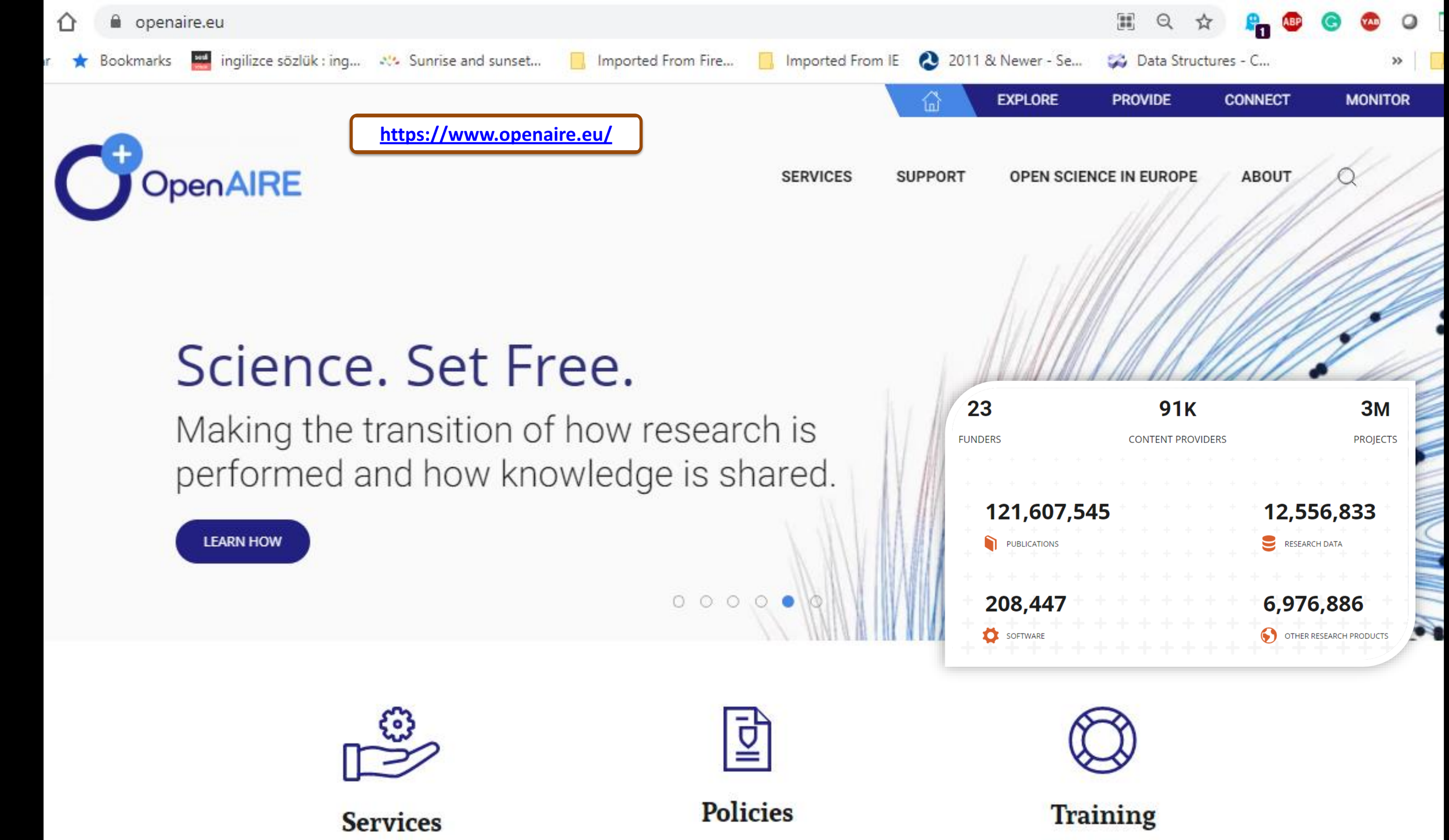
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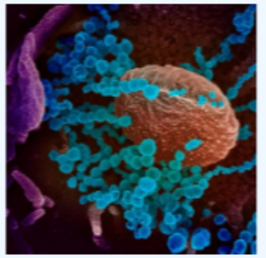

Chicago COVID-19 Response

This repository community collects research outputs and information efforts in Chicago. Users are encouraged to upload their research obje discovery of information. Although Open Access articles and...

Curated by: saragon

Recent uploads

October 24, 2021 (v85) Dataset Open Access

View

A large-scale COVID-19 Twitter chatter dataset for open scientific research - an international collaboration

Banda, Juan M.; Tekumalla, Ramya; Wang, Guanyu; Yu, Jingyuan; Liu, Tuo; Ding, Yuning; Artemova, Katya; Tutubalina, Elena; Chowell, Gerardo

Version 85 of the dataset. The peer-reviewed publication for this dataset has now been published in Epidemiologia an MDPI journal, and can be accessed here: https://doi.org/10.3390/epidemiologia2030024. Please cite this when using the dataset. Due to the relevance of the COVID-19 global...

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BIP4COVID19: Impact metrics and indicators for coronavirus related publications

Thanasis Vergoulis; Ilias Kanellos; Serafeim Chatzopoulos; Danae Pla Karidi; Theodore Dalamagas

This dataset contains impact metrics and indicators for a set of publications that are related to the COVID-19 infectious disease and the coronavirus that causes it. It is based on: The CORD-19 dataset released by the team of Semantic Scholar1 and The curated data provided by the LitCovid hub2....

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Need help?

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Zenodo prioritizes all requested related to the COVID-19 outbreak.

We can help with:

- Uploading your research data, software, preprints, etc.
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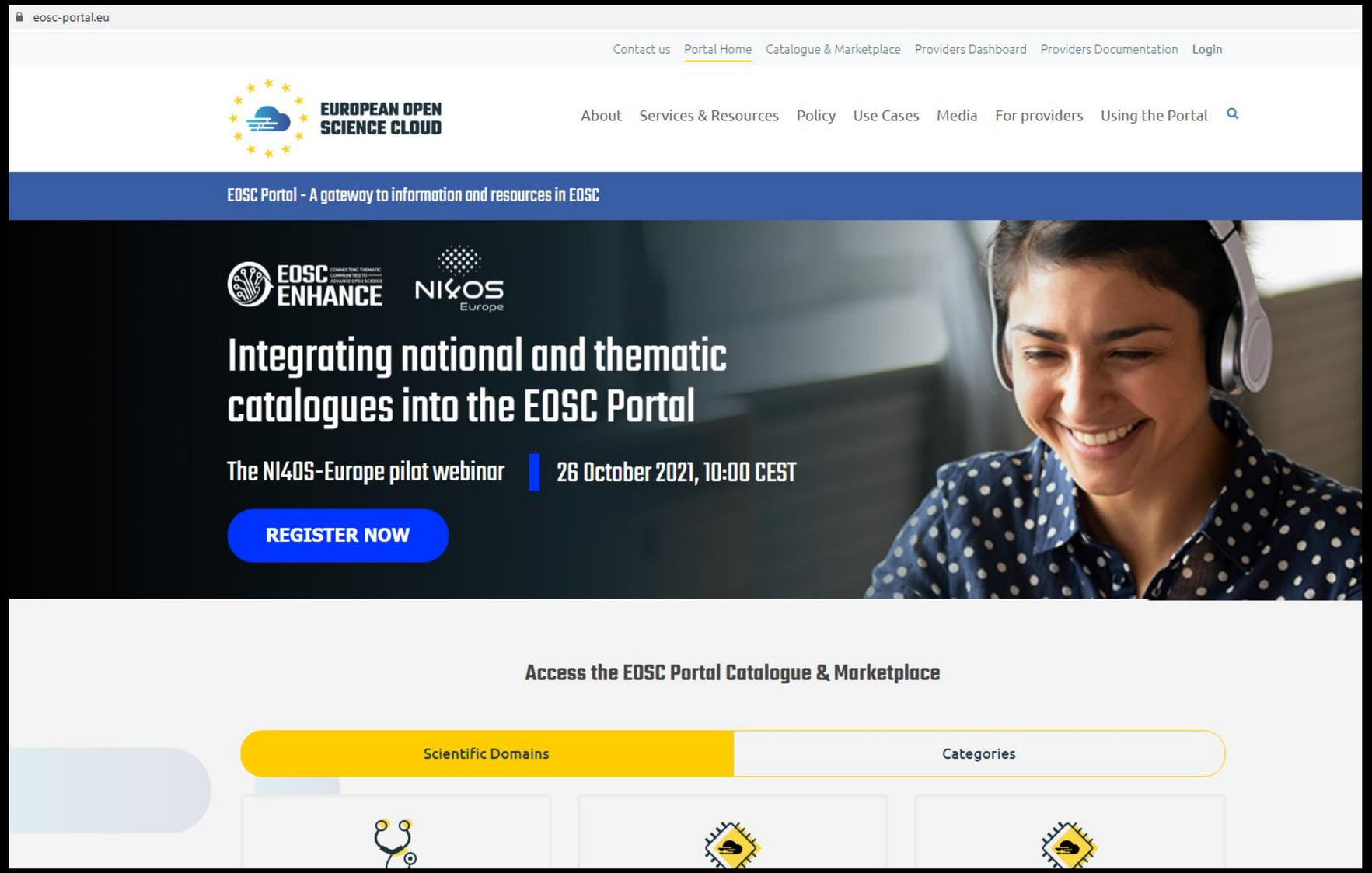

The European Open Science Cloud (EOSC) is a European Commission initiative aiming at developing a federated infrastructure providing its users with services promoting Open Science practices.

EOSC aims to support three objectives:

- **(1) to increase the value of scientific data assets by making them easily available to a larger number of researchers, across disciplines (interdisciplinarity) and borders (EU added value) and**
- **(2) to reduce the costs of scientific data management, while**
- **(3) ensuring adequate protection of information/personal data according to**

“As open as possible, as closed as necessary”

https://eosc-portal.eu/

Being part of international community is important…

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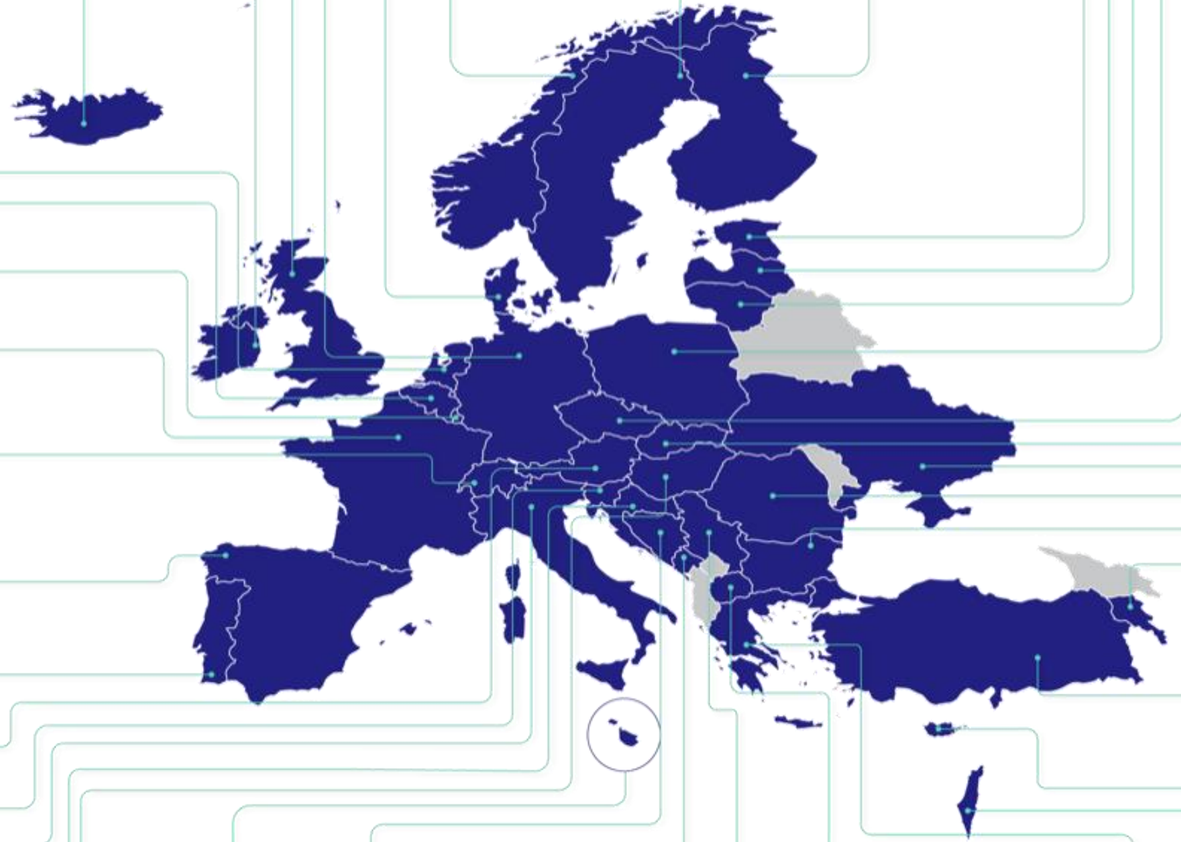

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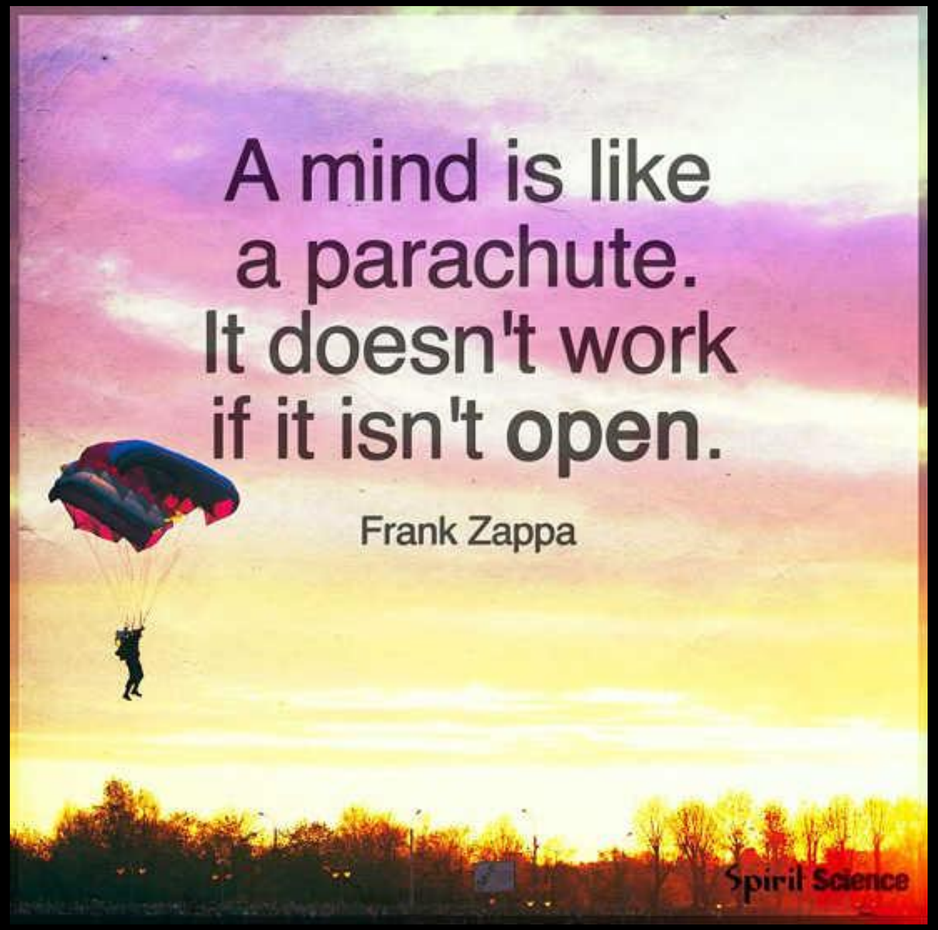
Challenges



"Science is like a parachute if it is not open, it is not gonna help you."

Eva Méndez - TU Delft

Open Science

Time to unlock potential of digital age…

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Thank You...

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