Leadership in Open Access Arena in Turkey and Effect of OpenAIRE2020 Project

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XIV International Conference and Exhibition "Consortia Library System: Technologies and Innovation" Istanbul: 24-28 June 2015

Agenda

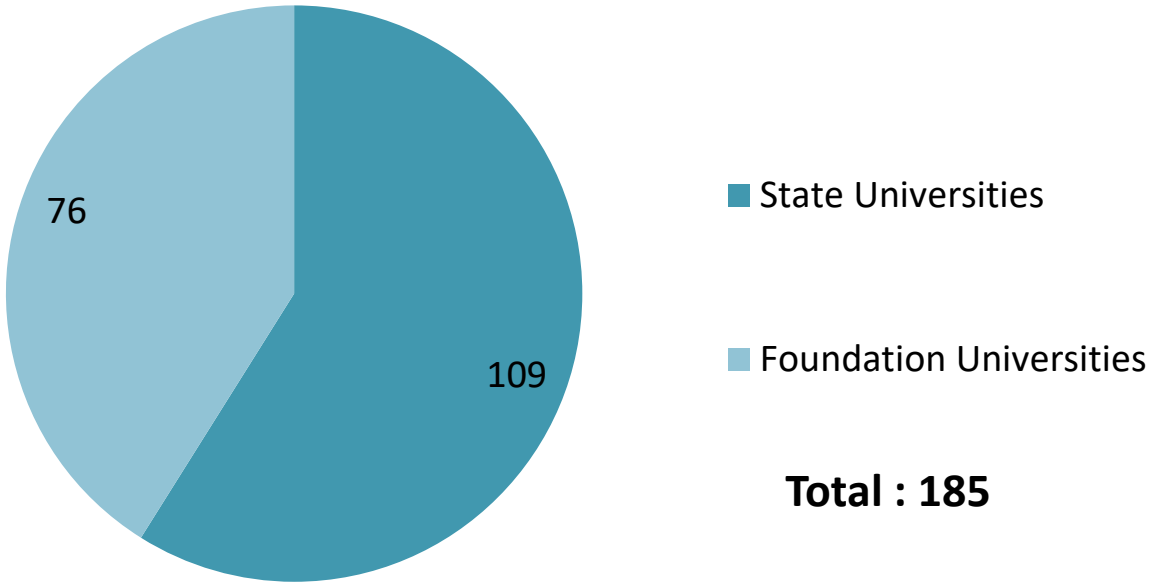
- Open Access and Institutional Repositories (OAIR) Working Group
- Open Access and Turkey
  - ANKOS OAIR Activities
  - Higher Education Activities
- The Current State of Open Access in Turkey
- European Union Projects Partnerships
- About the OpenAIRE2020
- About the COAR

The National Research Environment

- Yüksek Öğretim Kurulu (The Council of Higher Education- YÖK) [http://www.yok.gov.tr/en] has been administrating the activities of the universities in Turkey.
- The Major Research Funder in Turkey is “Türkiye Bilimsel ve Teknolojik Araştırma Kurumu (The Scientific and Technological Research Council of Turkey-TÜBİTAK) [http://www.tubitak.gov.tr/en/ot/10]. The Scientific and Technological Research Council of Turkey is the leading agency for management, funding and conduct of research in Turkey.

Universities in Turkey

- 185 Universities
  - 109 State
  - 76 Foundation



Aim of ANKOS OAIR Working Group

- **The Open Access and Institutional Repositories Working Group (OAIR)**
  - creating different level initiatives
  - building open access repositories
  - supporting technical skills
  - making recommendations
  - sharing the experiences
  - Following the international developments

ANKOS OAIRWG as a contact point. Wider community is now aware of the benefit of the OAIR both at policy and infrastructure level.

ANKOS OAIR Web Site

ANKOS

ANKOS Açık Erişim ve Kurumsal Arşivler

Anasayfa | Hakkımızda | ANKOS | Bir Bakışta AE | AE Sözlüğü | AE Kaynakları | AE Dünyasından | İletişim

Driver Rehberi 2.0

Kurumsal Arşivlerimiz için altyapı ve bilgi girişi standartlarını düzenleyen Driver Rehberi 2.0'ın çevirisi ve gözden geçirilerek düzeltilmesi işlemi tamamlanmıştır. Bu rehber, kurumsal arşivlere bilgi girişlerinde asgari standartları sağlamak için anahtar rol oynayacaktır. Her türlü bilgi kaynağı girişini anlatan ve detaylı örnekler veren bu rehber kayıt girişlerinde yol gösterici olacaktır.

Devamı...

Anasayfa

Açık Erişim, 2001 yılında yayımlanan Budapeşte Açık Erişim İnisiyatifi bildirisinde "Bilimsel literatürün İnternet aracılığıyla finansal, yasal ve teknik bariyerler olmaksızın, erişilebilir, okunabilir, kaydedilebilir, kopyalanabilir, yazdırılabilir, taranabilir, dizinlenebilir, tam metne bağlantı verilebilir, yazılıma veri olarak aktarılabilir ve her türlü yasal amaç için kullanılabilir biçimde kamuya ücretsiz açık olması." biçiminde tanımlanmıştır.

***Akademik camiada ortak çıkarların yaratılması amacıyla bilginin paylaşılmasına armağan edilmiş toplumsal bir hareket* olan Açık Erişim, bugün dünyada pek çok bilim insanı, yayınevi ve araştırmacı tarafından desteklenmektedir. Araştırma sonuçlarının kamuya açık İnternet aracılığıyla ücretsiz olarak erişilebilmesi ve bu literatürün çeşitli amaçlarla finansal, yasal ve teknik bariyerler olmaksızın kullanılabilmesini esas alan açık**

Ana Menü

- Özgür Yazılımlar
- KA Rehberleri
- Ulusal KA Girişimleri
- AE Arama Motorları
- KA Yazılımları
- Telif Hakları

ANKOS

Open Access movement in Turkey mainly started with the activities of ANKOS OAIR Working Group

OPEN ACCESS TURKEY

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National OA Initiative

NSRP (National Scientific Repository Project)

NSRP has three main objectives:

1) Increase the visibility, accessibility and dissemination of Turkey research results;

2) Facilitate access to information about Turkish scientific output - The interoperability of the repository with other information systems from the Turkish scientific infrastructure can also facilitate the access to information about Turkish scientific output;

3) Integrate Turkey in the wide range of international initiatives in this domain - NSRP allows Turkey to integrate a wide range of international initiatives in this domain and facilitates the interoperability and cooperation with research centers, funding bodies, and higher education institutions in Europe and all over the world.

Open Access Activities in Turkey

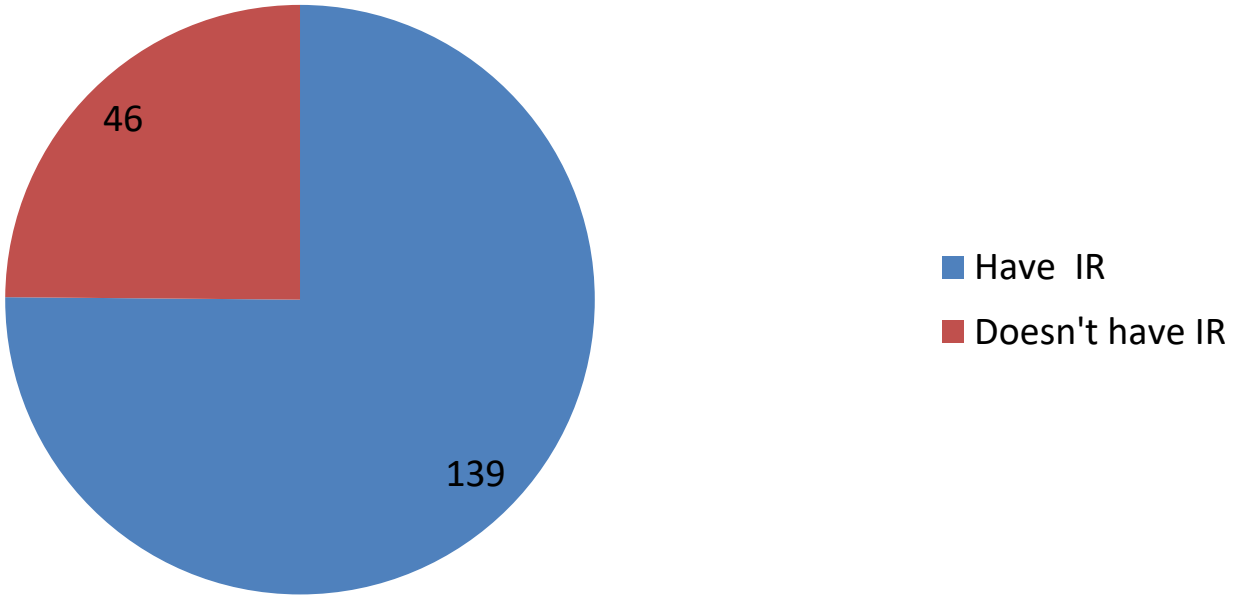
Higher Education Council Institutional Repositories and Open Access Group activities:

- Web site administration
- Discussion list management
- DSpace software technical support
- Translations (software , guides, etc.)
- Trainings (seminars, webinars, etc.)
- National level policy proposals preparation

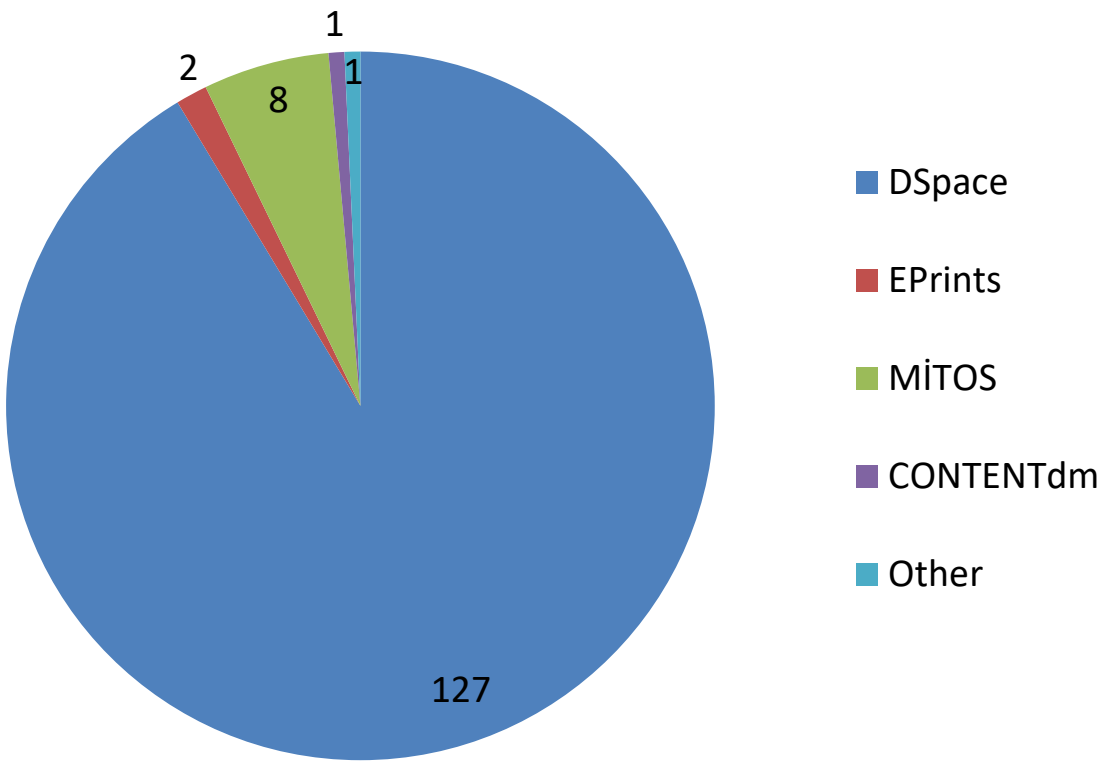
Open Access Activities in Turkey

- Data Input Training Program on DSpace Software
- The Driver Guide 2.0 translation to Turkish
- Regional DSpace seminar on OA Intellectual Rights and DSpace Usage
- National Open Access Workshop (since 2012)
  - Opening speech: Prime Minister of Turkey (Prof. Dr. Ahmet Davutoğlu)
  - Keynote speakers : Mrs. Alma Swan (SPARC Europe), Mr. Eloy Rodrigues (Minho University)

Institutional Repositories in Turkey

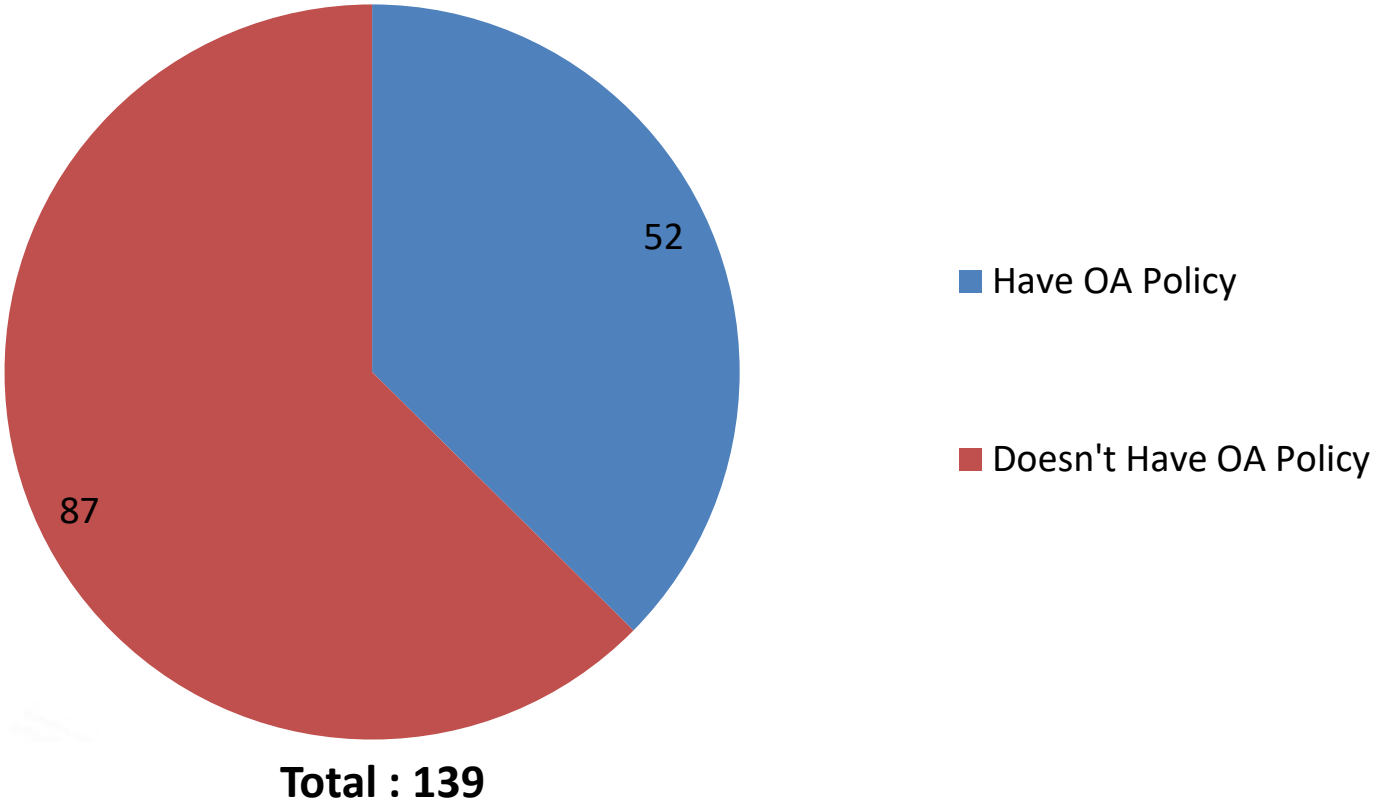


Prefered Institutional Repository Software in Turkey



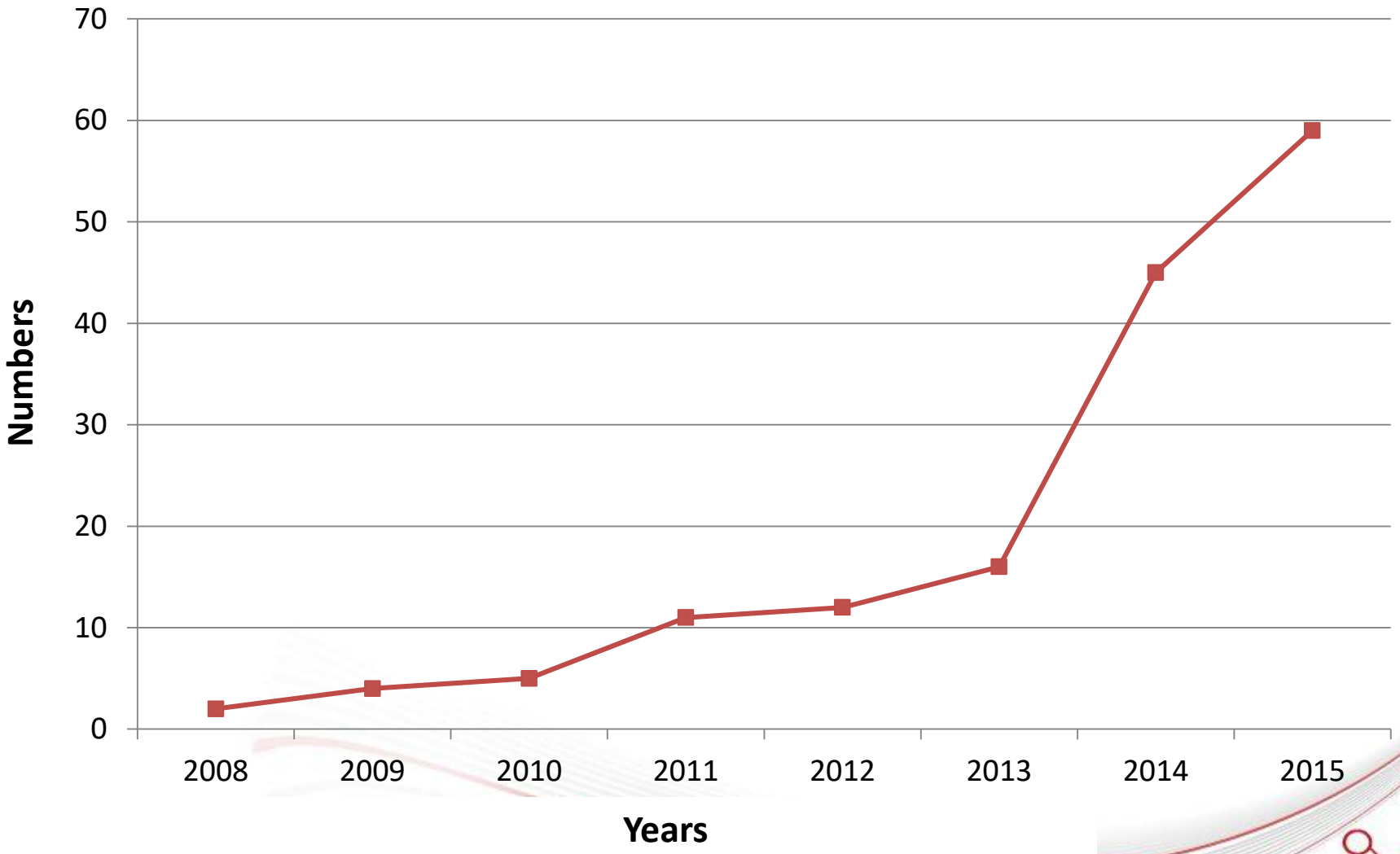
Total : 139

Open Access Policy in Turkey



Total : 139

Growth of the OpenDOAR Database - Turkey



OpenDOAR Map - Turkey

Who is Using DSpace in the World - Top 15

ANKOS

DSPACE

Filter By Country:

- united states (239)
- india (153)
- japan (102)
- brazil (88)
- turkey (79)
- spain (76)
- taiwan (64)
- united kingdom (58)
- ukraine (51)
- norway (49)
- portugal (43)
- colombia (39)
- canada (37)
- italy (36)
- indonesia (28)

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Current Repository Content - Turkey

120.000

Repository Content Target - Turkey

ANKOS

2020

1.000.000

Publications and Data Sets

ANKOS

Open Access Activities in Turkey

Significant activities carried out in Turkey from 2006 to present including recently implemented EU-funded projects, OpenAIREplus and MedOANet.

Creating a Butterfly Effect to Disseminate Scholarly Information:

The Turkish Experience

Removing barriers to scientific communication and the objective of creating new models of access to scientific knowledge brought research institutions, researchers and librarians together under the "open access" philosophy. All this effort, despite all the resistance from the major publishers and even sometimes the researchers themselves, took us today to the new open-access publishing models.
Since the beginning, Turkey has become one of the greatest followers of the open access initiatives both nationally and internationally.
Even though it all started with very little but great steps and there still long way to go. Over the last ten years of all this development, the lack of awareness and knowledge resulted in resistance and this prevented us to reach the desired level of success.
That's why we would like to keep "creating awareness, equipping the stakeholders with knowledge and developing ownership" are the focal points of open access initiatives in Turkey. In the light and the principles of Horizon 2020 provided by EC, many initiatives are taking in place in Europe. Turkey is also involving in number projects to strengthen and coordinate open access strategies and support institutional repository structures.

OA in Turkey

- One of the biggest higher education landscape with the 109 universities in Europe
- Major Research Funder is TÜBİTAK (Scientific and Technological Research Council of Turkey) (http://www.tubitak.gov.tr)
- TÜBİTAK National Databases (http://ulakbim.gov.tr)
- Council of Higher Education National Thesis Center (http://tez2.yok.gov.tr)
- The largest consortium is ANKOS (Anatolian University Libraries Consortium Association) (http://www.ankos.gen.tr)
- ANKOS open access initiatives are via its Open Access and Institutional Repositories Working Group (OAIRWG) (http://acikerisim.ankos.gen.tr)
- MİTOS Interuniversities Open Access System with 33000+ records (http://www.mitosweb.com)
- Open Course Materials (http://www.acikders.org.tr)
- 210+ journal in DOAJ (Directory of Open Access Journals)
- DOAJ in Turkish (http://www.doaj.org/doaj?uiLanguage=tr)
- Turkish papers in E-LIS (E-prints in Library and Information Science (http://eprints.rclis.org/view/countries/TR.html)

OpenAIRE
medaonet
ANKOS
U4DMK
DOAJ
e-LIS

European Union Projects Partnerships

- OpenAIRE
  Open Access Infrastructure for Research in Europe

- medOanet → PASTEUR4OA
  Mediterranean Open Access Network
  – Developing Open Access Policy

- These projects have been important references of being impulsive force and creating awareness on the Open Access studies in Turkey.

What is OpenAIRE?

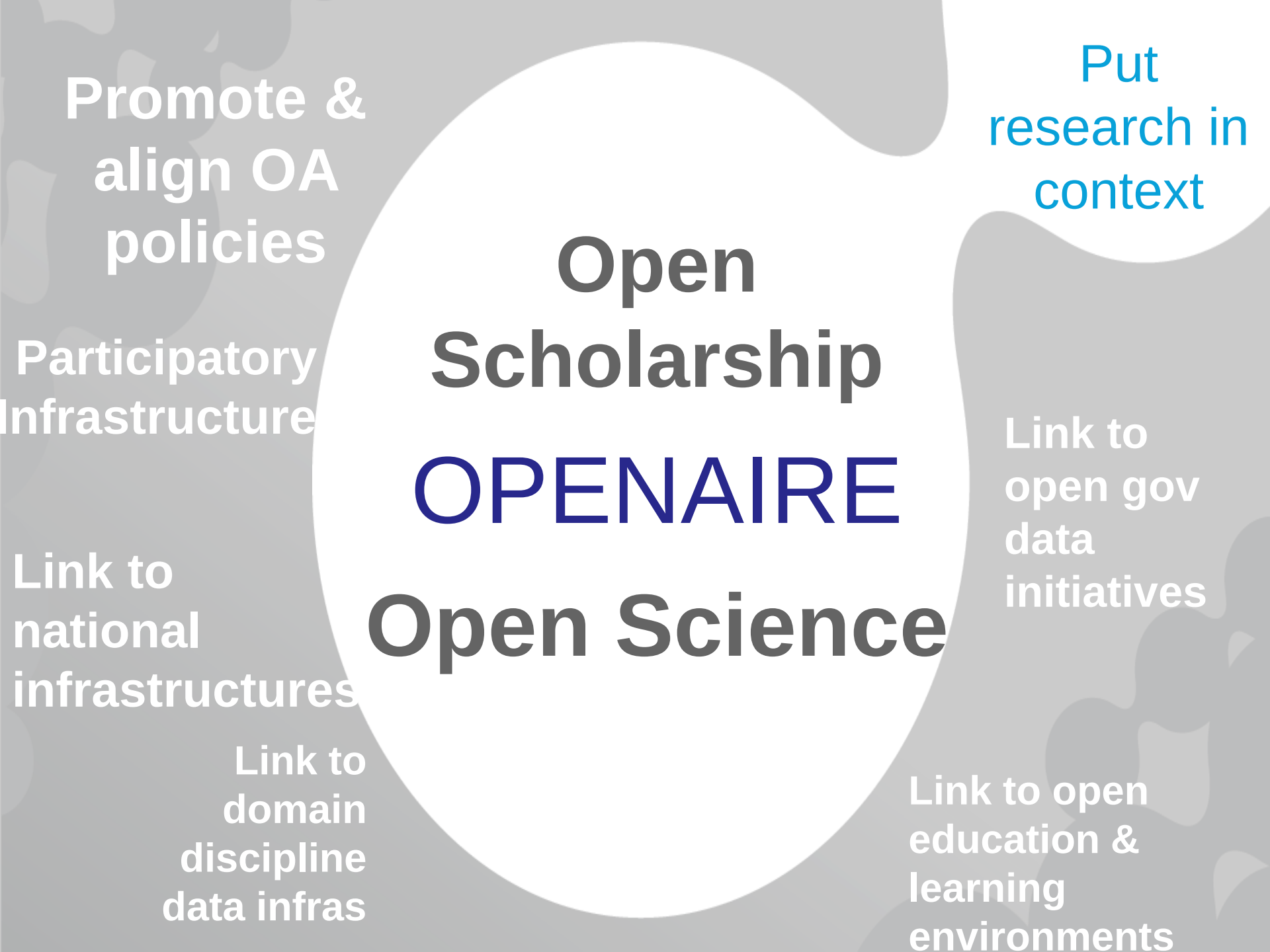
ANKOS

OPEN ACCESS INFRASTRUCTURE

for research in Europe

www.openaire.eu

ANKOS


Promote & align OA policies
Put research in context
Open Scholarship
Participatory Infrastructure
OPENAIRE
Link to open gov data initiatives
Link to national infrastructures
Open Science
Link to domain discipline data infras
Link to open education & learning environments

From a pilot in FP7

to a key service in H2020

OpenAIRE
Dec. 2009 - Nov. 2012

OpenAIREplus
Dec. 2011 – Dec. 2014

OpenAIRE2020
Jan. 2015 a Jun. 2018

OpenAIRE2020

3-5 projects in one…

- **Duration 42 months**
- **50 partners**
  - **33 National Open Access Desks – some changes from the past**
  - **7 technical partners** CNR, ARC, UNIBI, ICM, UBONN, CERN, UoA
  - **12 scholarly communication organizations** UGOE, UMINHO, UGENT, CRIStin, eIFL, LIBER, Jisc, COUPERIN, SURF, UCL, COAR, CLARA
  - **3 data communities** EBI, Pangea, DANS
  - **3 legal experts** UvA, UGOE, ICM
- **Large project for a large vision!**

OpenAIRE2020 Networking Organisation

Operational support (EIFL)

Strategic coordination (UGOE)

Helpdesk support (UMinho)

From a Repository Network to a European wide Research Information System

EC OA Mandate Progression

FP7 OA Pilot (2008)

- Grant agreement SC39
- 20% programme areas
- Deposit in Repositories
- Gold payments during project
- ERC's OA Guidelines

Horizon 2020 (2015)

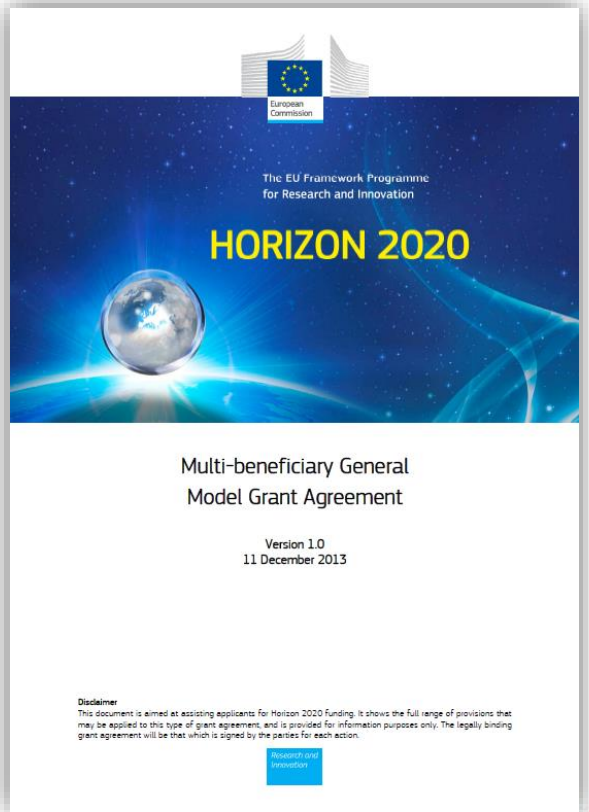
- All grant agreements
- 100% programme areas
- Deposit in Repositories
- Gold payments *after* project

  Resources to pay article charges; Research into sustainable and competitive models/workflows
- Open Data Pilot

Open Access in Horizon 2020

- The grant agreement states:

> **"ENSURE OPEN ACCESS…**
>
> **AS SOON AS POSSIBLE AND AT THE LATEST ON PUBLICATION, DEPOSIT A MACHINE-READABLE ELECTRONIC COPY OF THE PUBLISHED VERSION OR FINAL PEER-REVIEWED MANUSCRIPT ACCEPTED FOR PUBLICATION IN A REPOSITORY FOR SCIENTIFIC PUBLICATIONS"**



http://ec.europa.eu/research/participants/data/ref/h2020/mga/gga/h2020-mga-gga-multi_en.pdf

The current OpenAIRE infrastructure and services, continued in the OpenAIRE2020 EU funded project, build on Open Access research results from a wide range of repositories and other data sources: institutional or thematic publication repositories, Open Access journals, data repositories, CRIS and aggregators.

INTEROPERABILITY IS THE KEY

Content Policy

OpenAIRE collects:
1) All global Open Access research outputs;

2) Relation to funding information if available, supporting FP7 OA pilot, Horizon2020 OA mandate and helping to measure research impact;

3) Non-open access material if related to European Commission funding information, or related to another OpenAIRE affiliated funder.

4) Metadata of research datasets from funded research projects or linked with publications in the OpenAIRE information space.
OpenAIRE will expand the current policy to other

Guidelines

OpenAIRE Guidelines provide recommendations to repository and other scientific information data managers about encoding of bibliographic metadata.
The guidelines have adopted established and existing practices for different classes of content providers:
i) for Literature Repositories using Dublin Core,
ii) for Data Repositories using Datacite Schema,
iii) for CRIS systems based on CERIF-XML.

▶ https://guidelines.openaire.eu

Specific guidelines needed to collect:
- Publication metadata;
- Funding information bodies & project grant Ids;
- Rights information and Access mode;
- Persistent identifiers for publications & datasets.

Validation & Registration

▶ 1. Create an account at www.openaire.eu.

▶ 2. Make sure your repository is registered in OpenDOAR (www.opendoar.org).

▶ 3. Check if your repository is compliant with the OpenAIRE Guidelines.

▶ 4. Run a compatibility test via the validator at http://validator.openaire.eu.
We will guide you with any issues.

▶ 5. Register your repository compliant to the OpenAIRE Guidelines.

Curation & Enrichment

A rich graph of information about Open Access and funded research results is built on:

▶ metadata normalization using controlled vocabularies;

▶ publications linked to datasets and project information;

▶ authoritative files about projects from funder databases, registry information about e-journals and repositories (OpenDOAR, re3data, DOAJ);

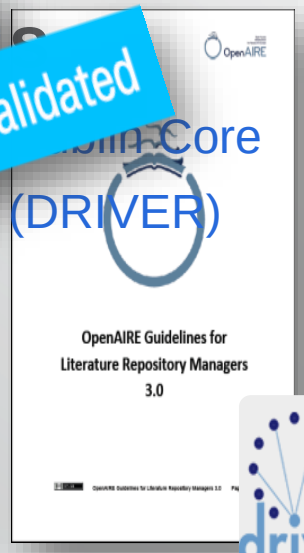
▶ OpenAIRE's knowledge extraction services enrich metadata records with links between research outputs, citation information and similar research publications;

▶ User feedback on relationships between data and publications, manually claiming links.

Data providers: 3 Guidelines

1 Publications Repositories

Validated



2 Data Repositories

Datacite

Validated

3 CRIS systems

CERIF-XML

Validated

Outcomes

- EC and ERC can monitor scientific output in FP7
- For FP7: 100,000 publications. 52% are OA
- 10,000 of 25,000 projects linked
- 580 Data sources: IR's, publishers, aggregators

Latest 10 NEW OpenAIRE data providers

Some of the most recent from May and June 2015!

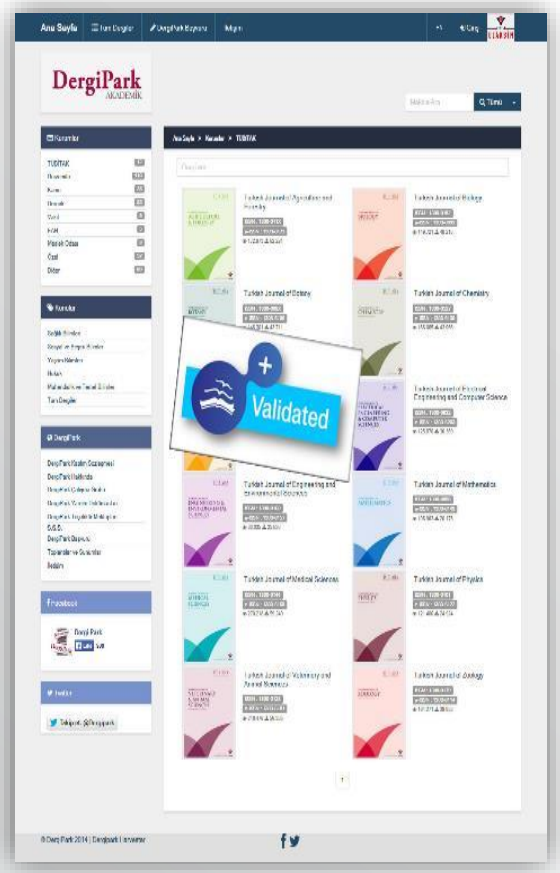
+ 1 million Open Access documents visible and curated in OpenAIRE!

info@openaire.eu

19/06/2016

TÜBİTAK ULAKBİM DergiPark

JOURNAL AGGREGATOR



118773 Open Access publications

Turkish journal agregator

http://dergipark.ulakbim.gov.tr

https://www.openaire.eu/search/datasource?datasourceId=openaire____::85e51732975595215ae3c2514e272ce6

CyberLeninka

PUBLICATION REPOSITORY

514596 Open Access publications

Russian open access scientific library

http://cyberleninka.ru

https://www.openaire.eu/search/datasource?datasourceId=opendoar____::c0f971d8cd24364f2029fcb9ac7b71f5

zenodo

Research. Shared.

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Search

Filter by types

Recent Uploads

View

10 June 2015 | Dataset | Open access

Structure Assisted Compressed Sensing Reconstruction of Undersampled AFM Images Dataset

Oxvig, Christian Schou ; Arildsen, Thomas ; Larsen, Torben

This deposition contains the results from a simulation of reconstructions of undersampled atomic force microscopy (AFM) images. The reconstructions were obtained using weighted iterative thresholding compressed sensing algorithms. The deposition consists ...

Uploaded by Chroxvi on 09 June 2015.

View

09 June 2015 | Software | Open access

CAMEO - computer assisted metabolic engineering & optimization

João G. R. Cardoso ; Nikolaus Sonnenschein

Cameo is a high-level python library developed to aid the in silico strain design process in metabolic engineering projects. The library provides a modular architecture that enables the efficient construction of custom analysis workflows.

Using GitHub?

Check out our GitHub integration.
Software Preservation Made Simple!

New to Zenodo?

- **Research. Shared.** – all research outputs from across all fields of science are welcome!
- **Citeable. Discoverable.** – uploads gets a Digital Object Identifier (DOI) to make them easily and uniquely citeable.
- **Community Collections** – accept or reject uploads to your own community collections (e.g workshops, EU projects or your complete own digital repository).
- **Funding** – integrated in reporting lines for research funded by the European Commission via OpenAIRE.
- **Flexible licensing** – because not everything is under Creative Commons.
- **Safe** – your research output is stored safely for the future in same cloud infrastructure as research data from CERN's Large Hadron

Provenance

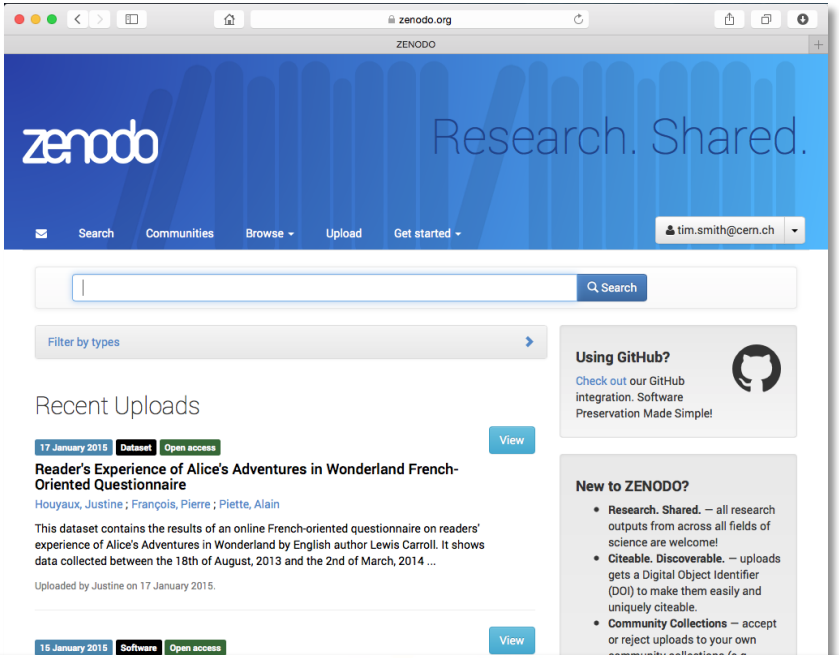
EC Open Access Pilot

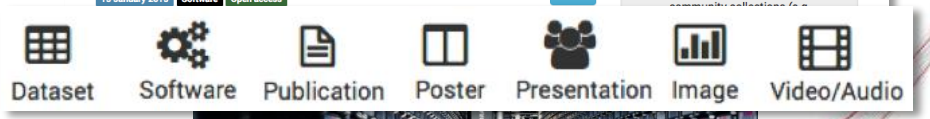
OpenAIRE
Open Access Infrastructure for Research in Europe

Publication

EC Open Data Pilot

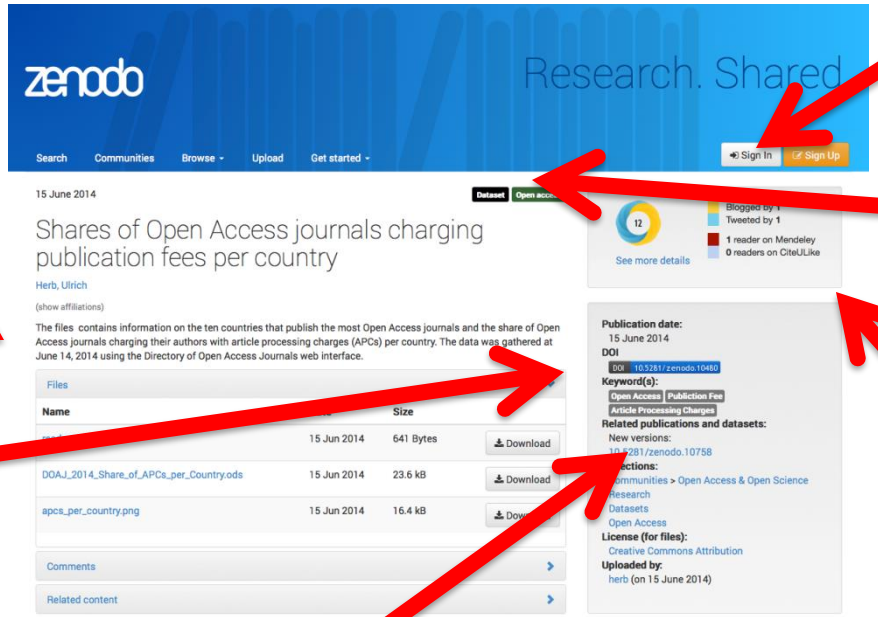
OpenAIRE





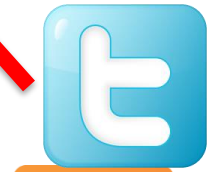
Open Data as a Service

DOI 10.5281/zenodo.10594



Closed access

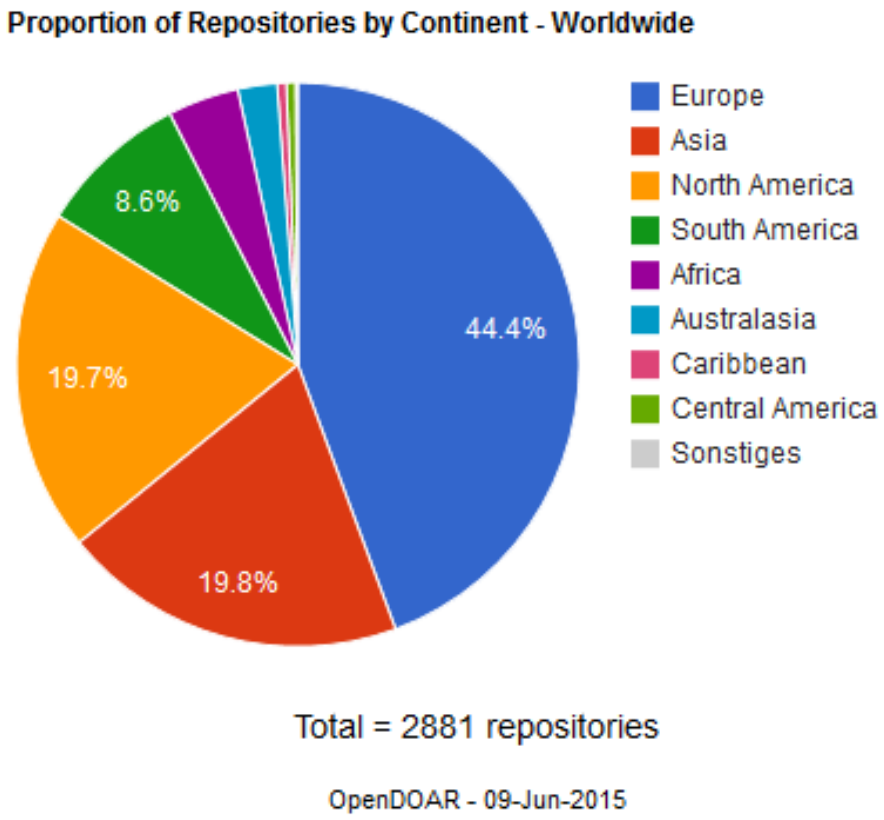
Embargoed access



Confederation of Open Access Repositories

Towards a global network of open access repositories for research and scholarship

Research is becoming increasingly global, collaborative, networked, distributed



OpenDOAR has over 2600 repositories listed

New modes of research and scholarly communication

Standards, policies, infrastructure, strategy, interoperability, support, awareness, integration…

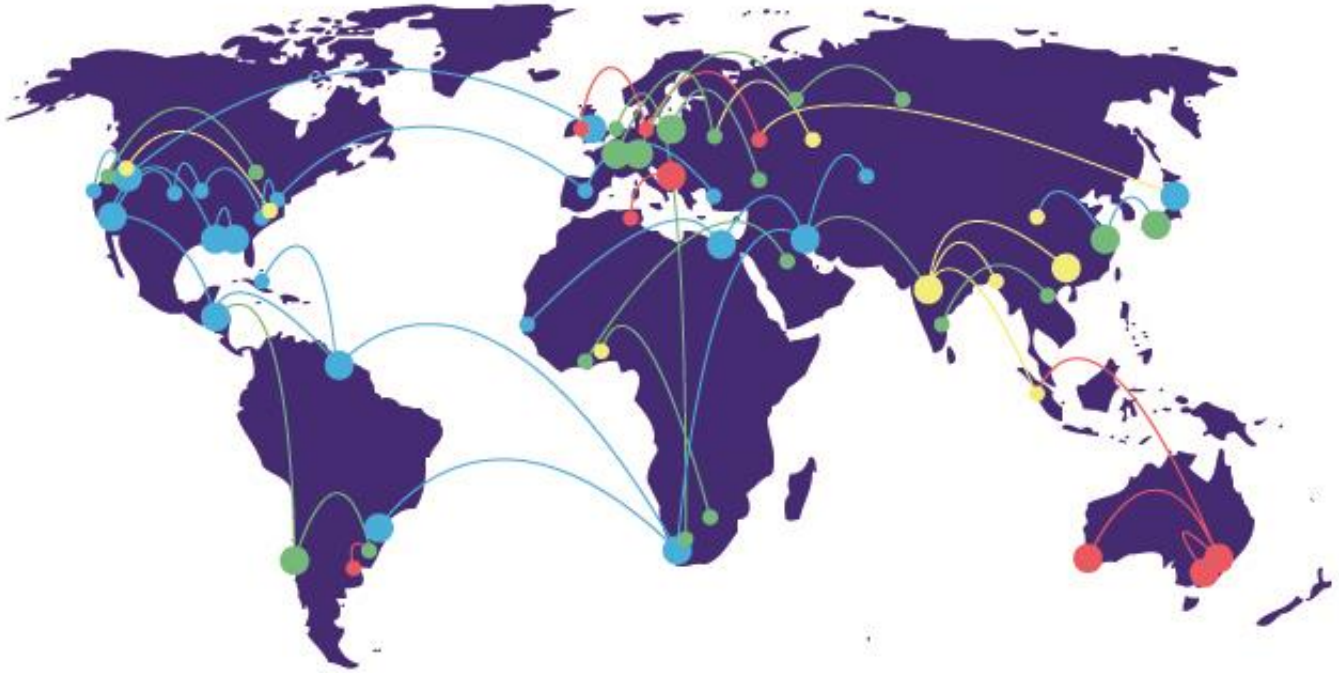
Inspired by Tim Berners Lee

***COAR** aims to facilitate the vision by bringing together research repositories as part of a **global infrastructure;** to link across continents and around the world, enabling new forms of research and supporting new models of scholarly communication.*

Research libraries have a central role to play.

Activities

The full potential of digital content, stored on thousands of repositories around the world can only be exploited



once they are connected.

How can repository networks align?

Political	Technical	Services
• Advocacy and promotion • Principles • Objectives • Policies	• Metadata standards • Usage statistics • Standard vocabularies • Author identifiers • Persistent identifiers • Cross-system transfer	• Harvesting/ discovery • Monitoring publisher policies • Repository directories • Monitoring research output

Advocacy and Promotion

New: Statement against Elsevier's Sharing Policy

For immediate, barrier free access to publications without embargo periods or non-commercial licenses!

*** NEW *** SIGN NOW ***

https://www.coar-repositories.org/activities/advocacy-leadership/petition-against-elseviers-sharing-policy

Statement about Embargo Periods

May 14, 2014: "We endorse the policies and practices that enable Open Access – immediate, barrier free access to and reuse of scholarly articles…

****Signed by numerous organizations from around the world.*

Promoting OA Clauses in your publishers licenses

e.g. "Authors from authorised institutions are permitted free of charge to promptly store their articles appearing in licensed journals generally in the form published by the publisher (e.g. PDF) in an (institutional or discipline-specific) repository of their choice and to make them available in Open Access."

****Finland, Germany, Sweden, California, World Bank and others have already successfully negotiated these clauses into their licenses*

Why join COAR?

Monitor trends and network with international colleagues

COAR:

- Acts a forum for international cooperation and knowledge exchange regarding repository management and repository infrastructure
- Serves as your reference point for repository standardization efforts
- Facilitates your participation in international projects

Why join COAR?

Develop skills and knowledge

COAR

- Engages members in new developments and trends in repository roles and developments.
- Helps to organize training programs for repository managers
- Supports a community of practice of repository managers, through workshops and other training events

If you share the vision of an open, global research repository infrastructure, we would be delighted to welcome you as a member of COAR!

Participants of the COAR Annual Meeting in Porto, Portugal, 2015

Join COAR

- **Visit the COAR Website:**

  www.coar-repositories.org

- **Contact COAR Executive Director, Kathleen Shearer, for more information:**

  kathleen.shearer@coar-repositories.org

- **Contact the COAR office to register your interest in becoming a member of COAR**

  office@coar-repositories.org

- **Follow us on Twitter: #COAR_eV**
- **Find us on Facebook: https://www.facebook.com/COAReV**

SHARE
RESEARCH.
SHAPE A
BETTER
FUTURE.
Open Access to
research results
benefits everyone.

Thank You…

Gültekin GÜRDAL

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