OpenAIRE

Services for Open Science

İzmir Institute of Technology 1992

Gültekin Gürdal
Library Director

OpenAIRE
Open Scholarly Communication e-Infrastructure

OpenAIRE

Gultekin Gurdal

Izmir Institute of Technology
Library Director

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Working as the library director at IZTECH for 17 years.

Bachelor's Degree from Hacettepe University, Library Science Program (currently the Information Management Program), and a Master's Degree from Kocaeli University, Business Administration.

Pariticipated in OpenAIREPlus, OpenAIRE2020, and OpenAIRE Advance projects.

Working as an OpenAIRE Turkey NOAD since 2011 by actively engaging with the rest of the project team.

A board member of OpenAIRE.

A founder partner of Research Ecosystems, an R&D Company established within IZTECH Technopark in 2021.

SCIENCE.
SET FREE.

1 – Open Science

OpenAIRE

Open Science

"Open science is an approach based on open cooperative work and systematic sharing of knowledge and tools as early and widely as possible in the process"

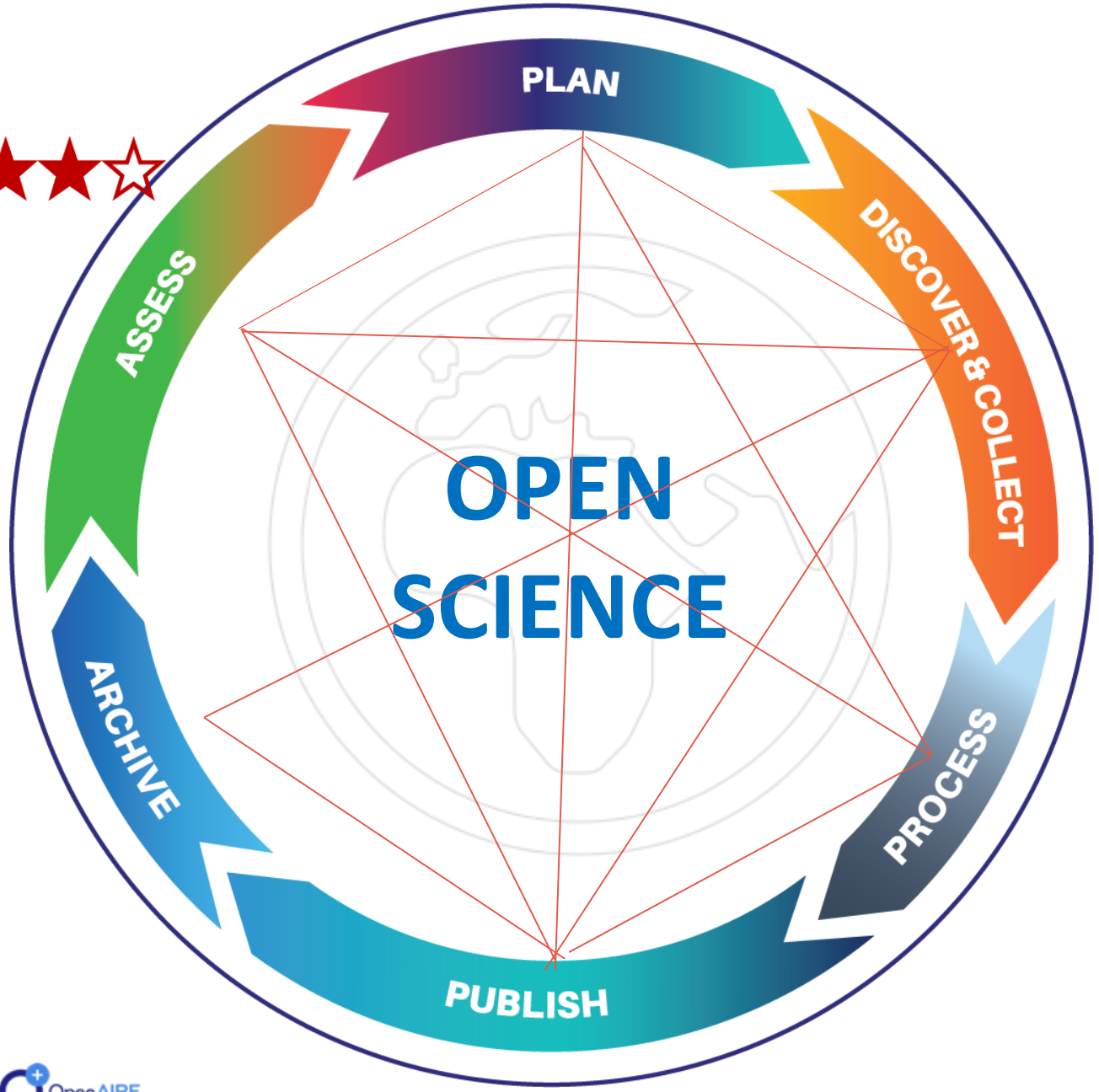
European Commission

- **Beyond** Open Access to Publications
- Collaboration & Interdisciplinarity
- New functional and organisational schemes

Components of Open Science

The picture was taken from the UNESCO Open Science brochure.

https://www.unesco.org/en/natural-sciences/open-science



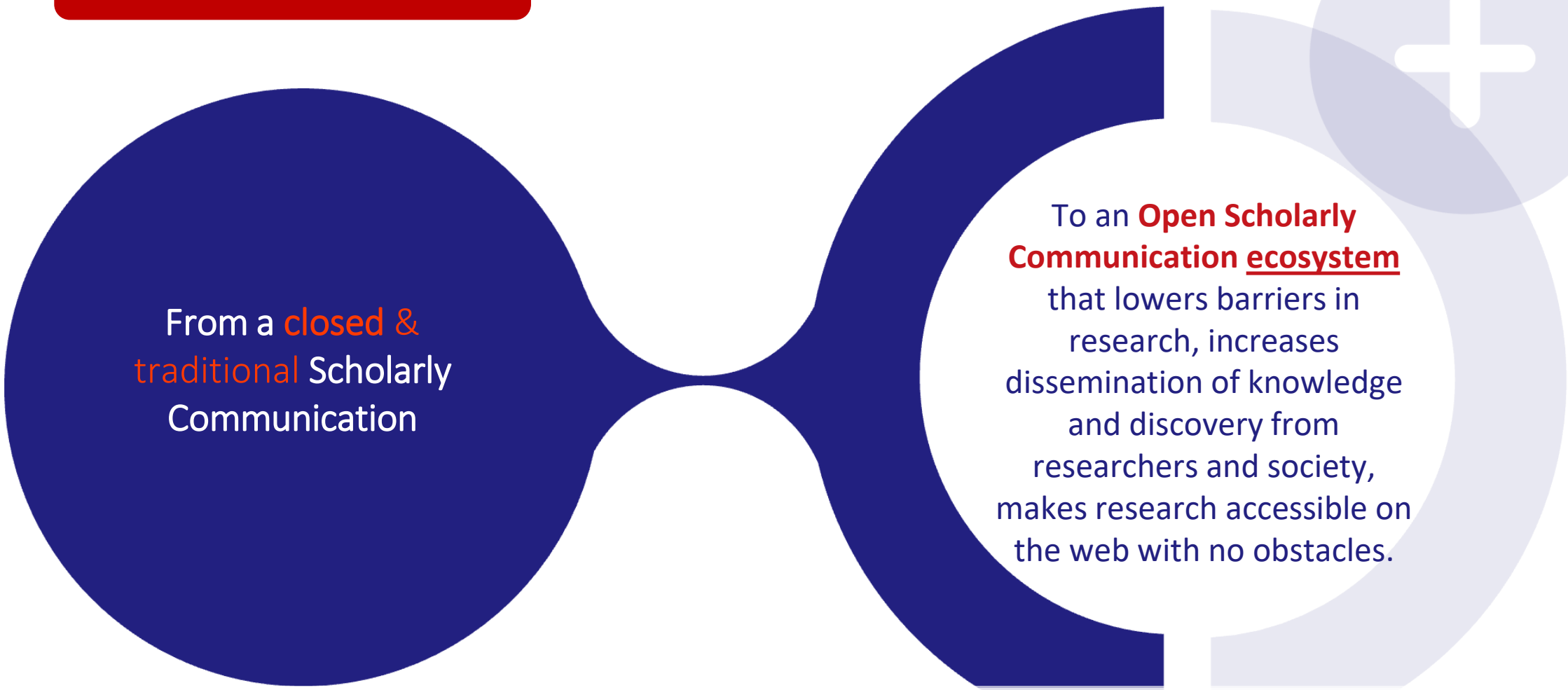
New ways of performing science

- Everything is digital
- Everything is big
- Everything is connected

Research life cycle is interconnected, and openness has a positive affect in every stage

OpenAIRE

#DEI - Diversity-Equity-Inclusion



WHAT'S AT STAKE –

OWNERSHIP – WHO OWNS AND CONTROLS THE PROCESSES

TRANSITION TO AN OPEN ECOSYSTEM THAT WILL SUPPORT DIVERSITY – EQUITY - INCLUSION

COST – OPEN SCIENCE IS NOT FREE

OpenAIRE

SCIENCE.
SET FREE.

2 – Open Science in Europe In Practice. Through OpenAIRE

OpenAIRE

Open Science in the EU and OpenAIRE

Coalition for Advancing Research Assessment

CoARA

OpenAIRE

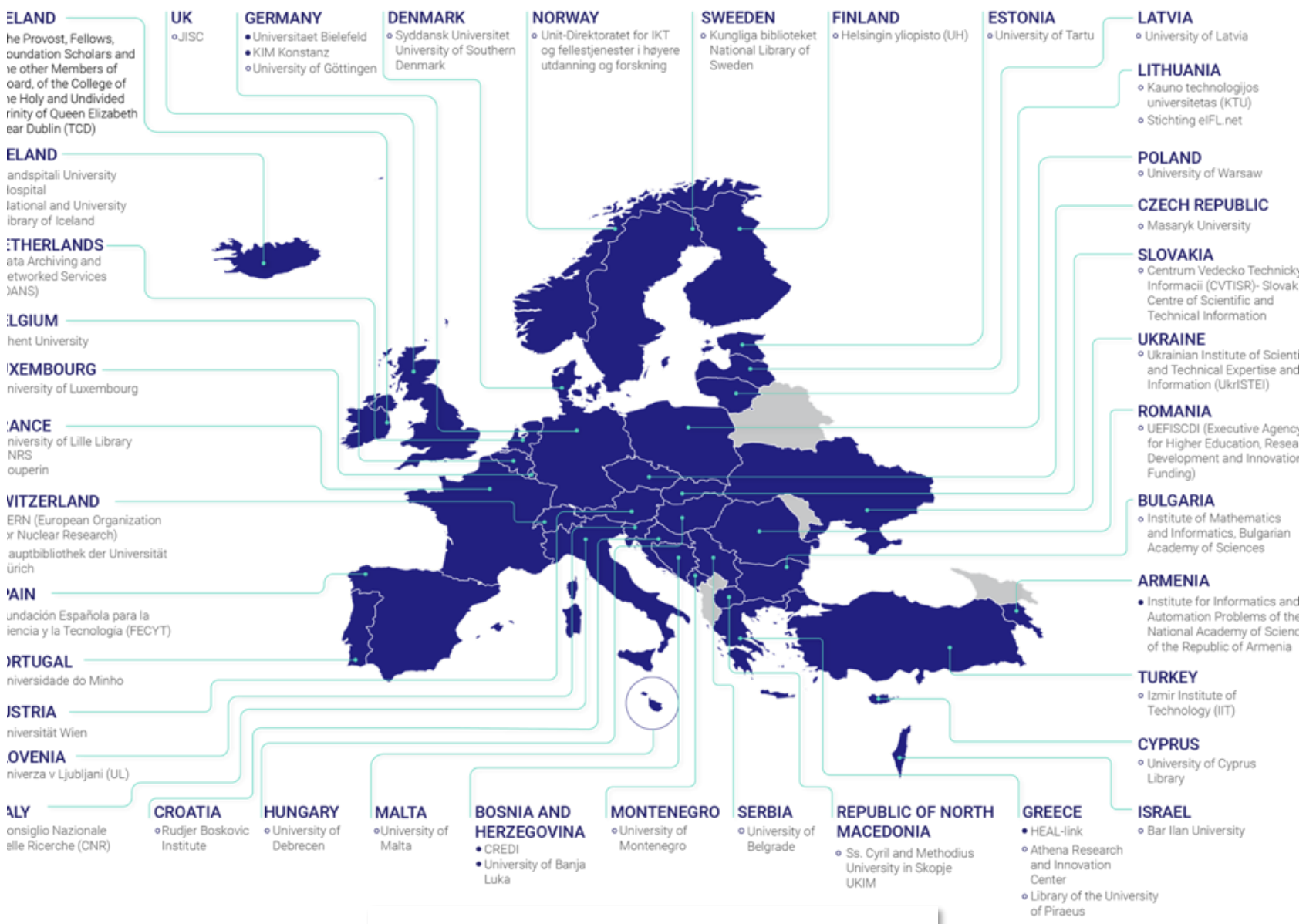
WHO IS OPENAIRE

A European infrastructure on open scholarly communication since 2009

Mission: Shift scholarly communication towards openness and transparency and facilitate innovative ways to communicate and monitor research.

Non-profit organization

- Established Oct 2018
- Headquarter Greece, virtual office
- 50 members
- From 34 countries



OpenAIRE

OpenAIRE

OpenAIRE projects

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

Events (2011 – 2021)

- **Participated in 123 events (26 of which were international events)**
  - 100 presentations were made
  - 15 webinars were organized

12 Workshop / Conference / Symposium / Seminar

Executive Board

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

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

Inge Van Nieuwerburgh
Open Science expert, University of Ghent

Anna Lundén
Head of Division, National Library of Sweden

Eloy Rodrigues
Director of the University of Minho Libraries

Birgit Schmidt
Knowledge Commons Unit Head, Göttingen State and University Library

Gultekin Gurdal
Library Director, Izmir Institute of Technology

Liz Bal
Director of open research services, Jisc

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

André Dazy
Coordinator of the department services and forecasting studies at Couperin

https://www.openaire.eu/organisation

OpenAIRE

The Scientific and Technological Research Council of Turkey Infrastructures for Open Science

2014

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

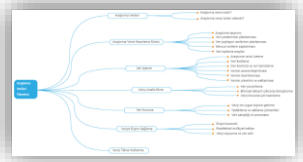
2016

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

2018

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

2019



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

2020

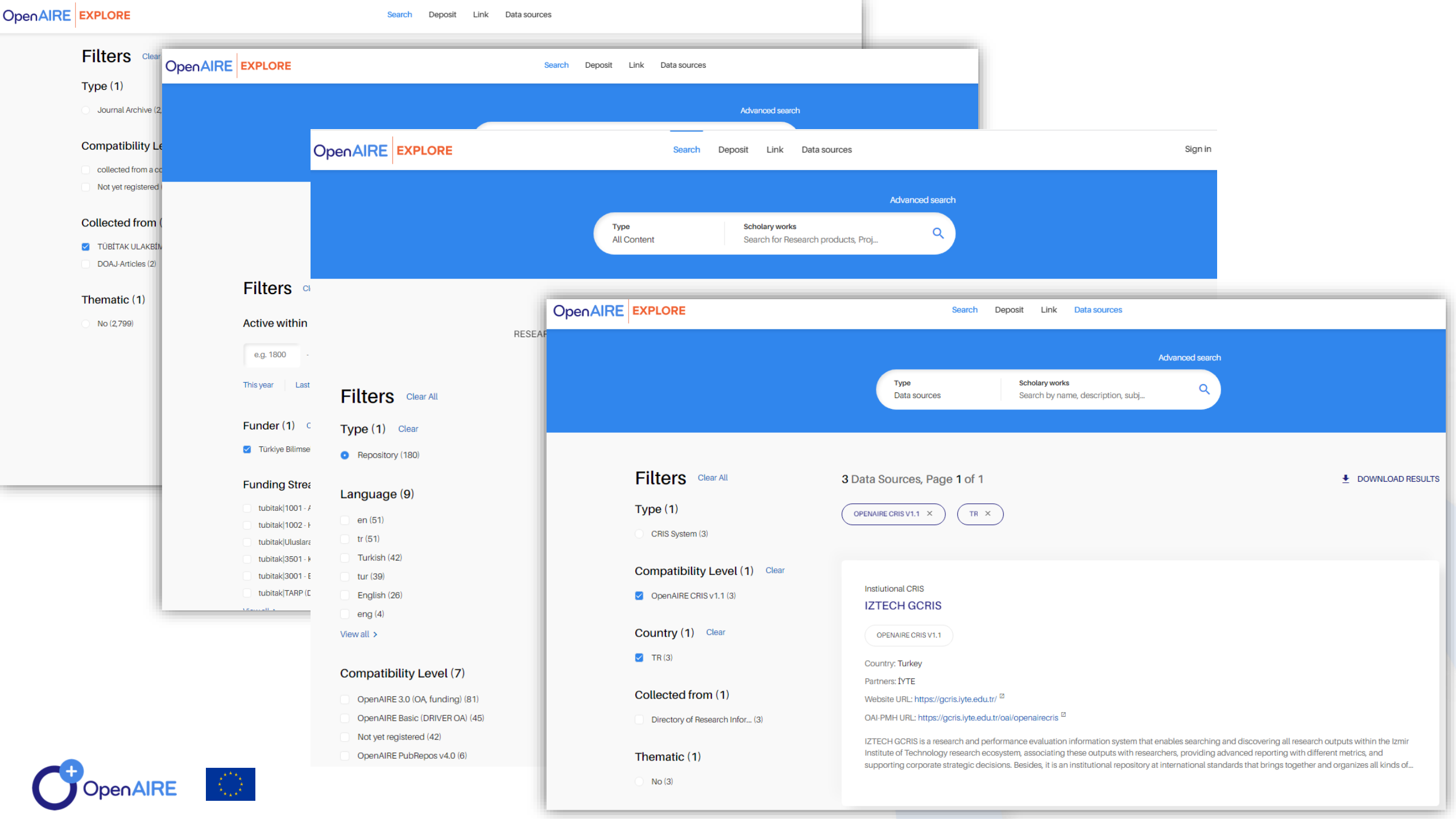
Turkish National e-Science e-Infrastructure (TRUBA)
EOSC European Open Science Cloud membership
http://www.truba.gov.tr/index.php/eosc-hub-2/

2021

Aperta Turkey Open Archive

2022

Open Science Portal


OpenAIRE EXPLORE
Search
Deposit
Link
Data sources
Sign in
Advanced search
Type
All Content
Scholary works
Search for Research products, Proj...
Filters
Clear All
Type (1)
Repository (180)
Language (9)
en (51)
tr (51)
Turkish (42)
tur (39)
English (26)
eng (4)
View all
Compatibility Level (7)
OpenAIRE 3.0 (OA, funding) (81)
OpenAIRE Basic (DRIVER OA) (45)
Not yet registered (42)
OpenAIRE PubRepos v4.0 (6)
Active within
e.g. 1800
This year
Last
Funder (1)
Türkiye Bilimse
Funding Strea
tubitak|1001 - A
tubitak|1002 - H
tubitak|Uluslara
tubitak|3501 - K
tubitak|3001 - E
tubitak|TARP (D
Thematic (1)
No (2,799)
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3 Data Sources, Page 1 of 1
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OPENAIRE CRIS V1.1
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Directory of Research Infor... (3)
No (3)
Institutional CRIS
IZTECH GCRIS
Country: Turkey
Partners: İYTE
Website URL: https://gcris.iyte.edu.tr/
OAI-PMH URL: https://gcris.iyte.edu.tr/oai/openairecris
IZTECH GCRIS 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...

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IZTECH - GCRIS

GCRIS Home Collections Research Outputs Researchers Organizations Projects Reports Awards Equipments Help Sign on to:

Research Information and Institutional Repository System at International Standards

IYTE GCRIS Database

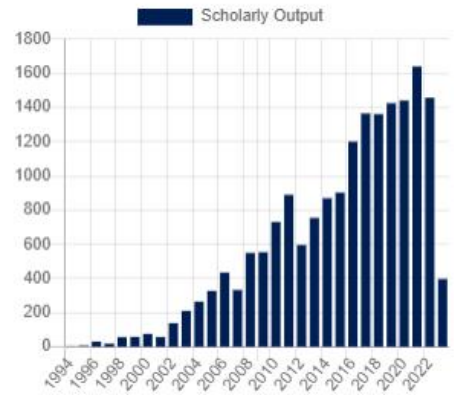
GCRIS Database is a research and performance evaluation information system that enables searching and discovering all research outputs within the Izmir Institute of Technology research ecosystem, associating these outputs with researchers, providing advanced reporting with different metrics, and supporting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

Search All

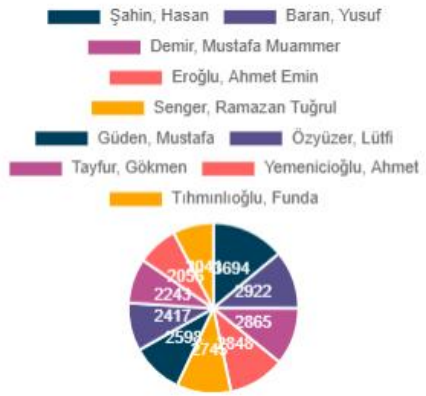
https://gcris.iyte.edu.tr/

Publications	Organisations	Researchers	Projects
9875	29	453	1069

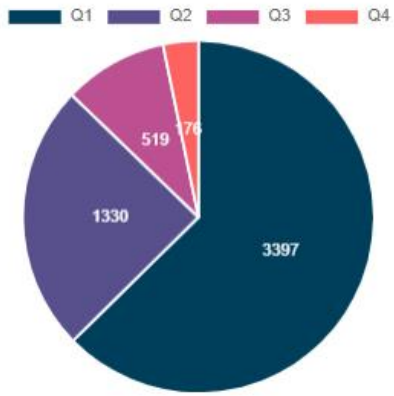
Scholarly Output



Citation Counts



Journal Distribution



Instagram | ORCID | Experimental data showing | Prof. Dr. Yusuf Baran | Google Çeviri | ANTOINETTE MAYIS 2023 | Mayıs 2023 Sayısı - antoine | Yeni Sekme
gcris.iyte.edu.tr/handle/11147/10764
Vytautas Magnus U... | Open Science Fair 2... | Visibility - Publishin... | Publications – Schol... | Multilingual and no... | Research Dashboar... | The search for youn... | openorgs-the-open... | FORRT - Framework... | Welcome — The Tu... | Peer Community In... | Diğer yer işaretleri

Please use this identifier to cite or link to this item: `https://hdl.handle.net/11147/10764`

Title:	Experimental data showing the thermal behavior of a flat roof with phase change material
Authors:	Tokuç, Ayça Başaran, Tahsin Yesügey, Sadık Cengiz Dokuz Eylül Üniversitesi Izmir Institute of Technology Dokuz Eylül Üniversitesi
Keywords:	Latent energy storage Phase change material Roof Thermal behavior Thermal energy storage
Issue Date:	Dec-2015
Publisher:	Elsevier
Source:	Tokuç, A., Başaran, T., and Yesügey, S.C. (2015). Experimental data showing the thermal behavior of a flat roof with phase change material. Data in Brief, 5, 476-480. doi:10.1016/j.dib.2015.09.019
Abstract:	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://hdl.handle.net/11147/10764 https://doi.org/10.1016/j.dib.2015.09.019
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SEMANTIC SCHOLAR
Citation Count
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Beyond IR's
IZTECH - GCRIS

Network Lab | Statistics | Bibliometrics | Email Alert | RSS Feed

Baran, Yusuf

Print

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WoS Researcher ID	F-8535-2012
Google Scholar	Google Scholar
YÖK Academic	YÖK Academic
Website	Web Site
Documents	CV
Status	Current Staff

Bibliometrics

Sustainable Development Goals Report Points

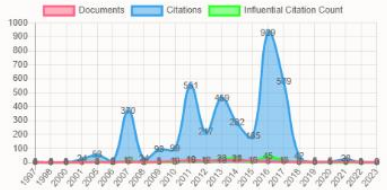
2 Zero Hunger: 2 Research Products	3 Good Health and Well-being: 17 Research Products	4 Quality Education: 1 Research Products	7 Affordable and Clean Energy: 1 Research Products	8 Decent Work and Economic Growth: 1 Research Products
9 Industry, Innovation and Infrastructure: 12 Research Products	12 Responsible Consumption and Production: 1 Research Products	13 Climate Action: 4 Research Products		

Scopus

Documents	Citations	h-index	Co-authors
97	2980	31	307

SEMANTIC SCHOLAR

Documents	Citations	H-Index
143	3950	33



Google

Documents	Citations	h-index	i10-index	Co-authors
187	5447 / 3405	38 / 25	75 / 50	0
	All / Since 2016	All / Since 2016	All / Since 2016	

Citation Per Year

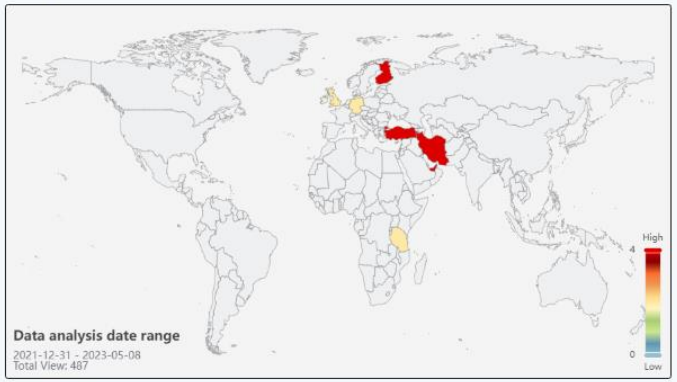
Interests

The numbers and metrics below are limited only to the scholarly outputs generated in this institute.

İYTE

Scholarly Output	Citation Count	Field Weighted Citation Impact	Supervised Theses
155	2922	1.31	15

Google Analytics Visitor Traffic



Publications | Supervised Theses | Projects | Affiliations | Educations | Biography | Competency Cloud | Research Interests | Awards

Articles (86) | Conferences (60) | Book / Book Chapters (1) | Others (5)

Publications

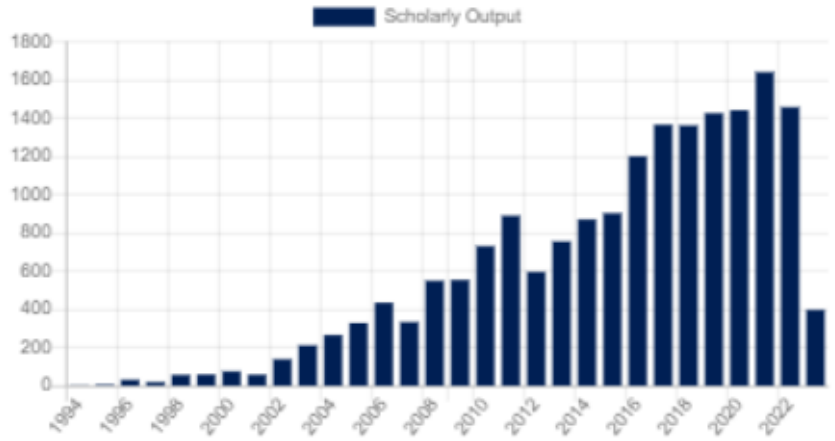
#	Issue Date	Title	Author(s)	Q Dist.	Cited
1	2014	Bioactive, functional and edible film-forming properties of isolated hazelnut (Corylus avellana L.) meal proteins	Aydemir, Levent Yurdaer; Adan Gökbulut, Aysun; Baran, Yusuf; et. all.	Q1	44
2	2016	Molecular mechanisms of drug	Kartal Yandım, Melis; Adan Gökbulut, Aysun;	Q1	213

IZTECH - GCRIS: Organizational Unit Report

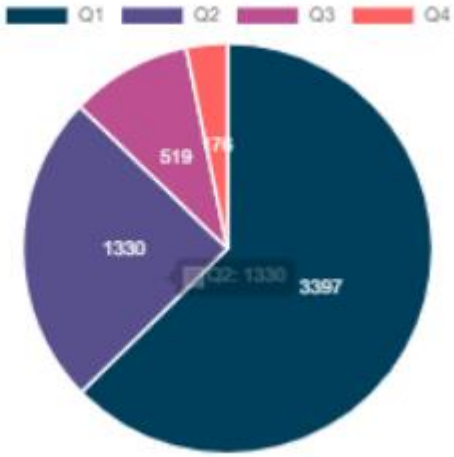
Reports

Please login for extended reports.

Scholarly Output

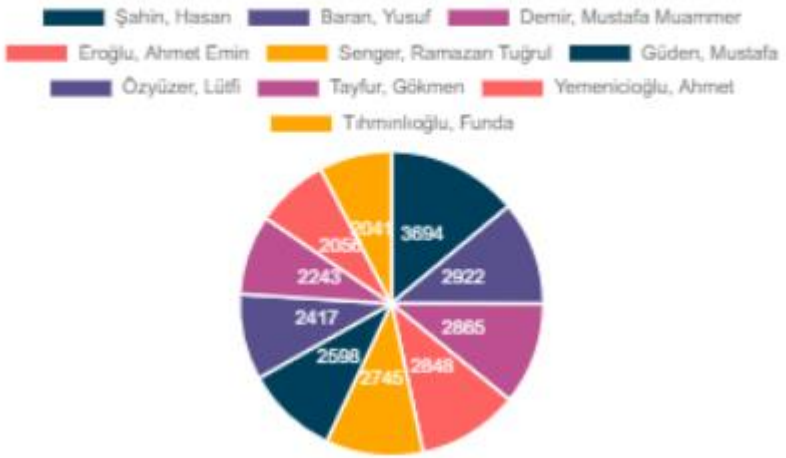


Journal Distribution



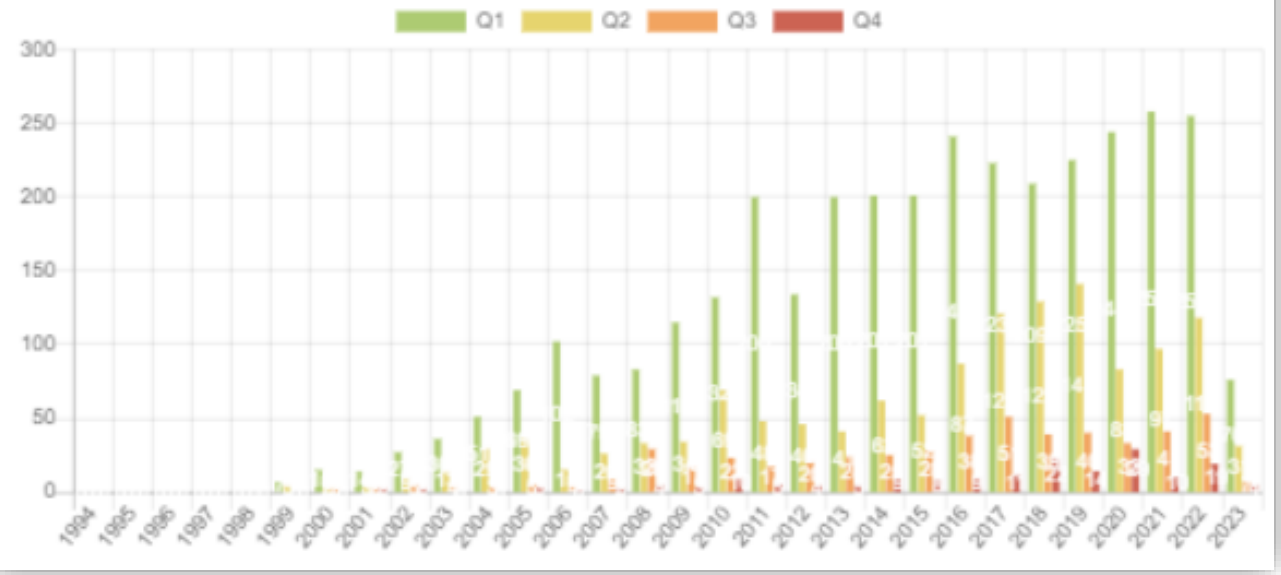
Reports Count

Citation Counts



Q Distribution

Print



IZTECH - GCRIS: Advance Reporting Dashboard

Quick Reports

Organization

Dashboard Reports | Charts

Researcher

Dashboard Reports | Charts

İstatistikler

Açık Erişim Yayın Sayısı	7636
PubMed Bibliyografik Yayın Sayısı	1041
PubMed Tam Metin Yayın Sayısı	687
Scopus Bibliyografik Yayın Sayısı	5268
Scopus Tam Metin Yayın Sayısı	4277
TRdizin Bibliyografik Yayın Sayısı	323
TRdizin Tam Metin Yayın Sayısı	275
WoS Bibliyografik Yayın Sayısı	5482
WoS Tam Metin Yayın Sayısı	4010

Parameter:

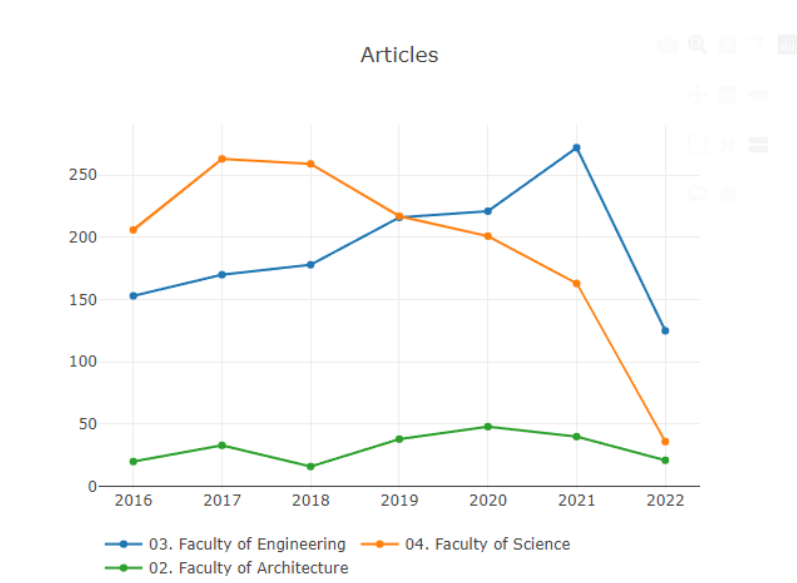
Articles

Organizations:

03. Faculty of Engineering × | 04. Faculty of Science × | 02. Faculty of Architecture ×

Year Range: 2016 – 2022

Refresh



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

SCIENCE.
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3 – Services
For all R&I actors

OpenAIRE

TARGETS: ALL ACTORS INVOLVED IN OS

DIFFERENT INTERESTS, DIFFERENT INTERVENTION POINTS

RESEARCHERS

RESEARCH PERFORMANCE ORGANISATION

INDUSTRY

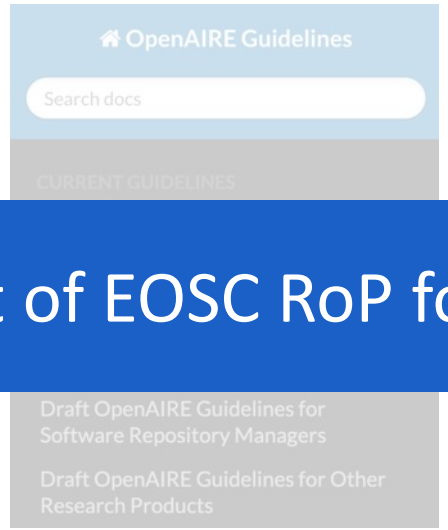
POLICY MAKERS AND FUNDERS

SOCIETY

INTEROPERABILITY IS KEY: GUIDELINES FOR CONTENT PROVIDERS

A COMMON METADATA FRAMEWORK FOR EXCHANGING MIN METADATA INFORMATION

OpenAIRE Interoperability Guidelines



https://guidelines.openaire.eu

OpenAIRE Guidelines for LITERATURE Repositories v4.0

OpenAIRE Guidelines for DATA Repositories

OpenAIRE Guidelines for SOFTWARE Repositories

Part of EOSC RoP for Content Providers (EIF). Global adoption.

OpenAIRE Guidelines for OTHER research products

OpenAIRE Guidelines for CRIS

OpenAIRE Guidelines for USAGE statistics

OpenAIRE

OPENAIRE SERVICES IN A NUTSHELL

1

Planning & Tracking

Reproduciblity and transparency require tracking of all outcomes of **science and related "context"**

2

Publishing & Discovery

Discovery of **reproducibe science** outcomes must find new ways, driven by **"scientific intentions"** that go beyond the "find articles related to a research topic"

3

Assessing & monitoring

Monitoring quality, impact, and **"open scienceness"** of science should be a transparent, reproducible process for all, inclusive of research "context"

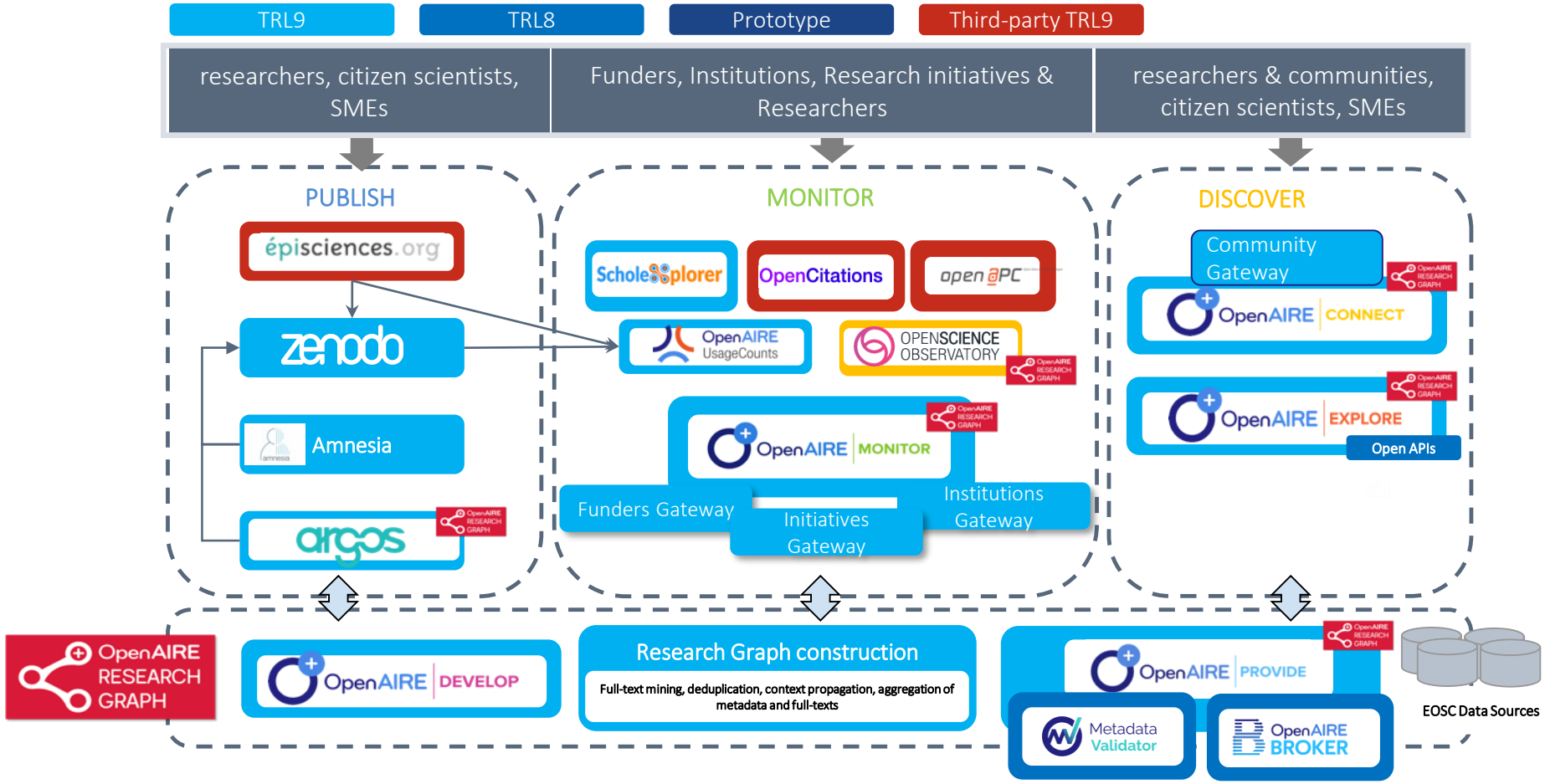
OpenAIRE Services for RPOs

Access to knowledge is fundamental for all, to drive change and create opportunities. Open Science paves the way.

We design, build, set up, run and maintain the OpenAIRE services for you.

OpenPlato
argos
EPIsciences
zenodo
EXPLORE
CONNECT
amnesia
openAPC
MONITOR
PROVIDE
OpenAIRE UsageCounts
OpenAIRE BROKER
Metadata Validator

OPENAIRE SERVICES – ALL INTERCONNECTED



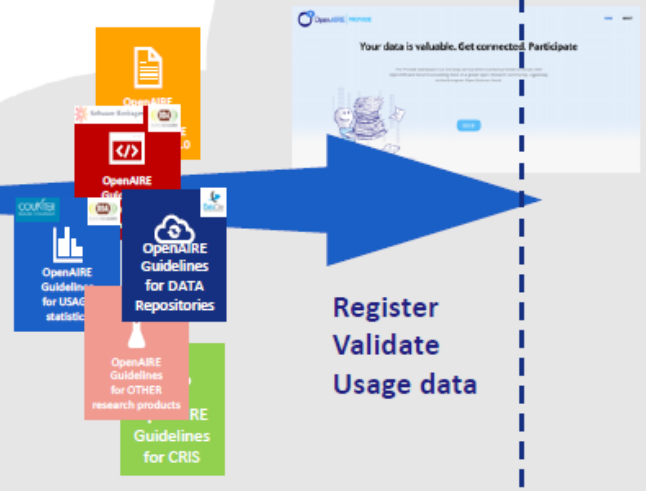
SERVICES: FROM PUBLISHING TO ASSESSMENT

eosc PART OF THE EUROPEAN OPEN SCIENCE CLOUD (EOSC)

OpenAIRE Interoperability Guidelines

Setting compliance of data sources

Data Source



Register
Validate
Usage data

Compliance

Scientific product catalogue

OpenAIRE RESEARCH GRAPH

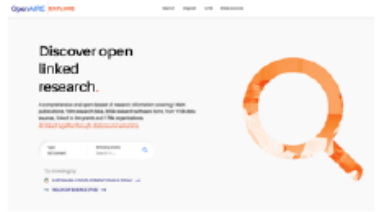
Publishing & Managing

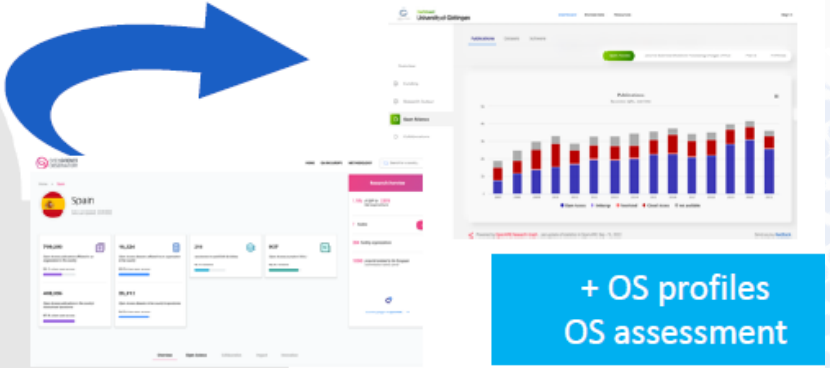
EPIsciences overlay journals

argos

amnesia

zenodo





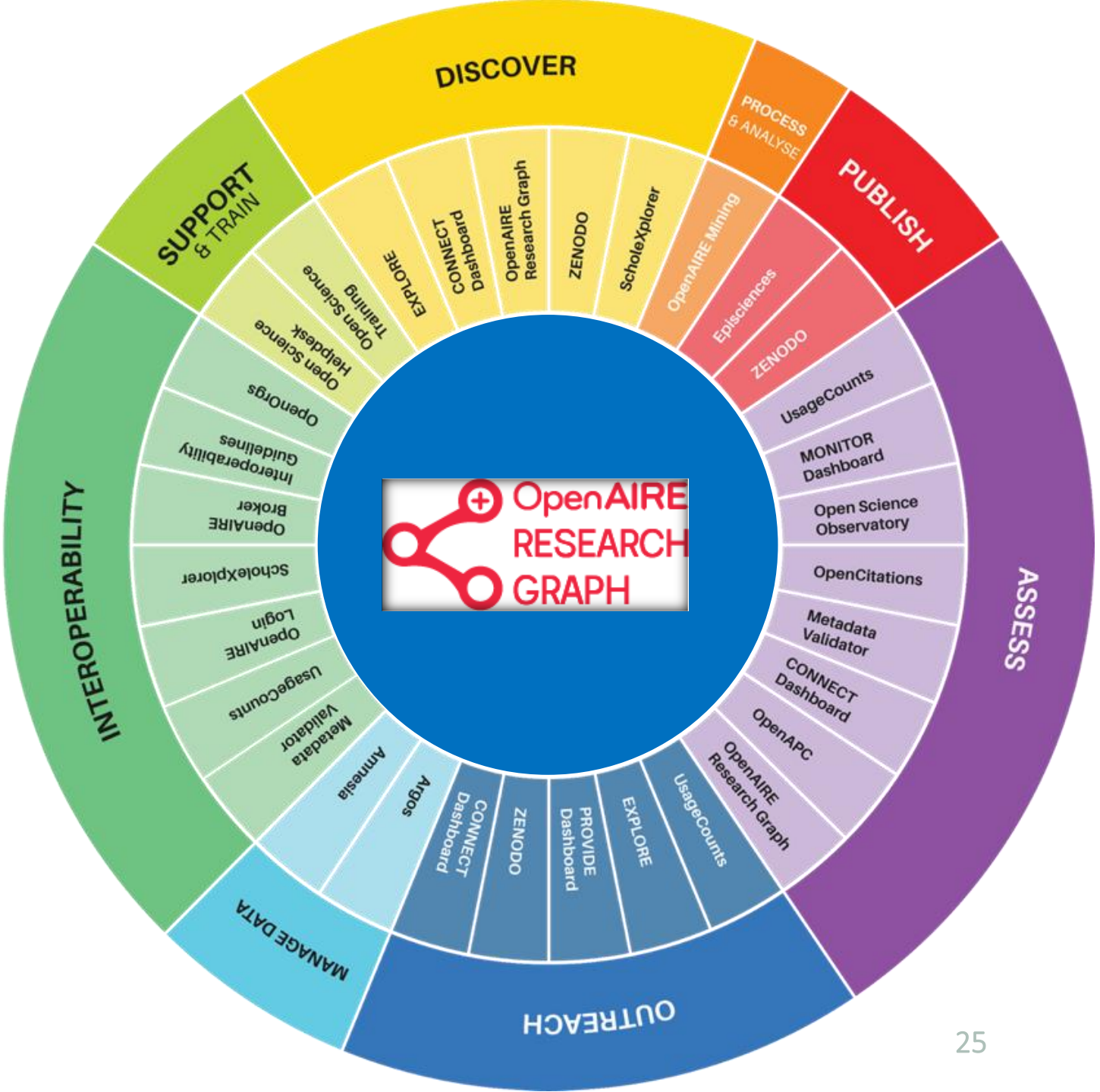
+ OS profiles
OS assessment

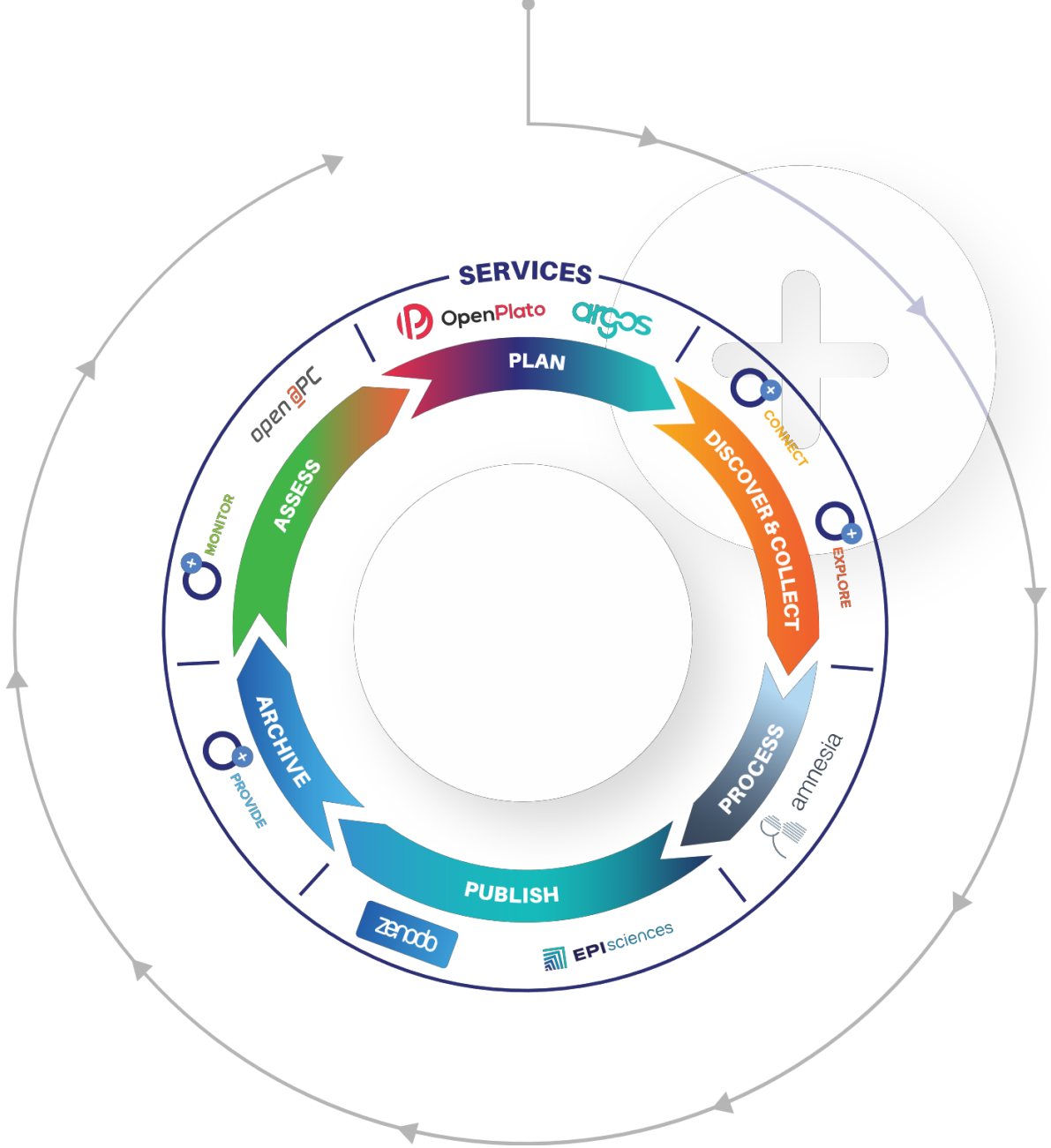
Discovery, Monitoring & Assessing

OpenAIRE

OpenAIRE

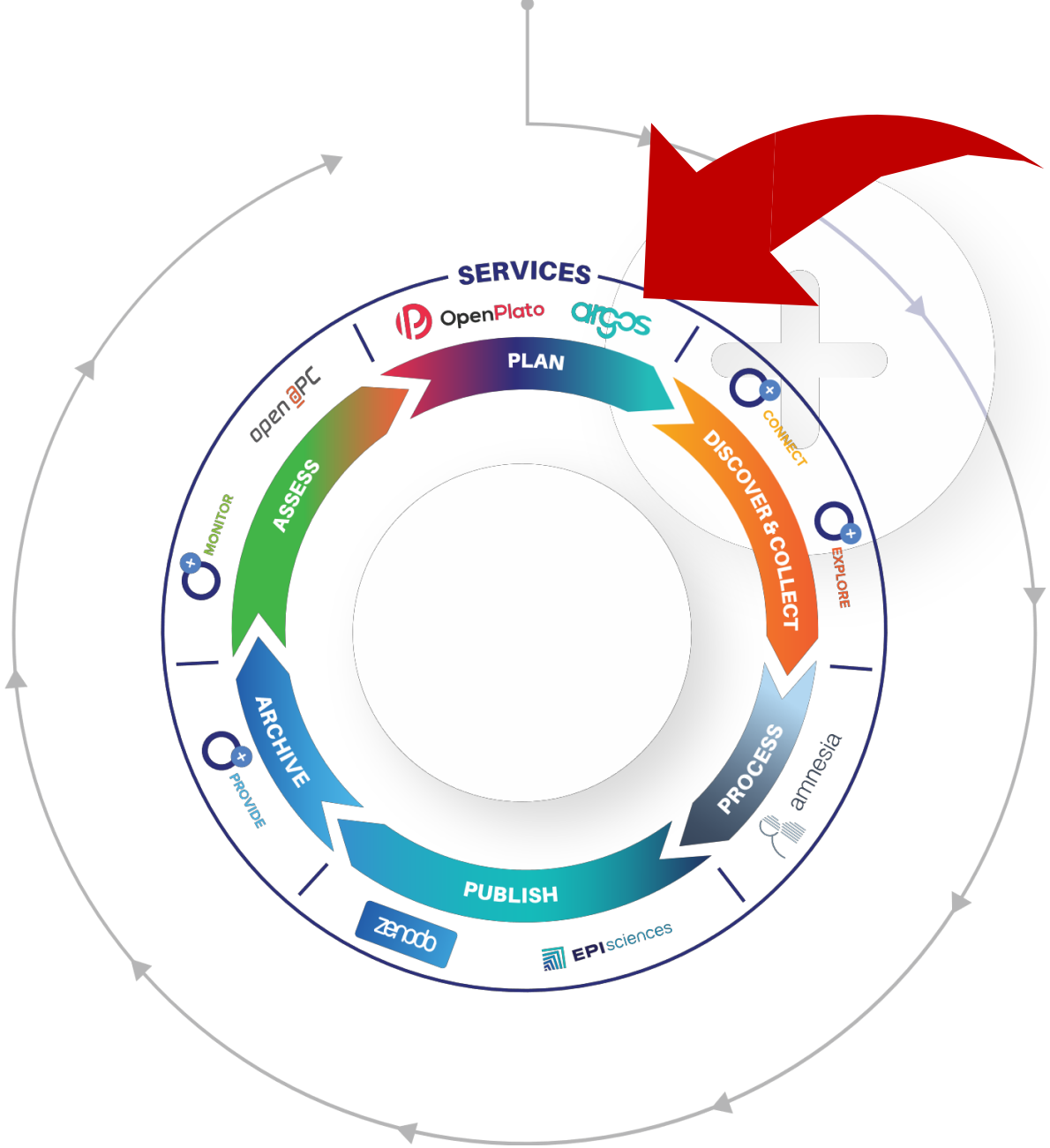
A range of Services covering all research life cycle





OPENAIRE SERVICES FOR RPOs IN THE RESEARCH LIFECYCLE

OpenAIRE



argos

BEGIN WITH PLANNING DATA & SOFTWARE MANAGEMENT

Data Management Plans tool

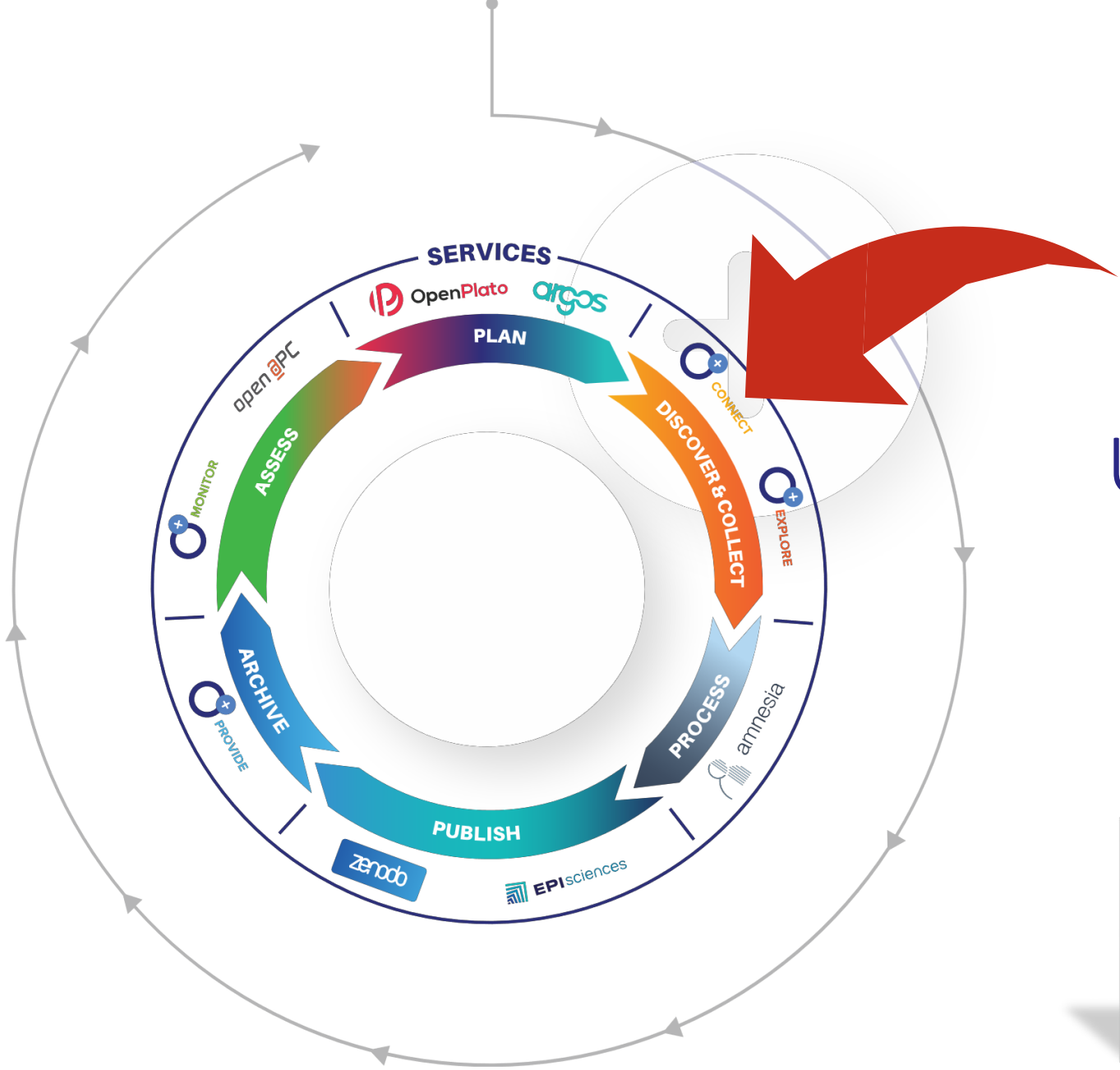
- **FAIR**
- Complies with **funders requirements**
- Easy and flexible via **co-editing**
- Machine and human **readable** & **shareable** outcomes
- Available in 8 **languages**
- Can be used as a **cloud** service
- Can be deployed **locally** or **setup on demand**

Planning: Step up with data
Create the Data Management Plan

- A way to support and track Open Science from the onset
- mandatory by research funders.
- Emerging as an integral part of the research ecosystem
- with lots of automations to make it easy for everyone to use.

1. Use directly via Argos website argos.openaire.eu
2. Implement a local installation of Argos in your organisation (local premises)
3. Request a white labelled installation of Argos, including personalised support and training.

OpenAIRE



CONNECT

UNLOCK THE POTENTIAL FOR COLLABORATION – INTERNAL & EXTERNAL

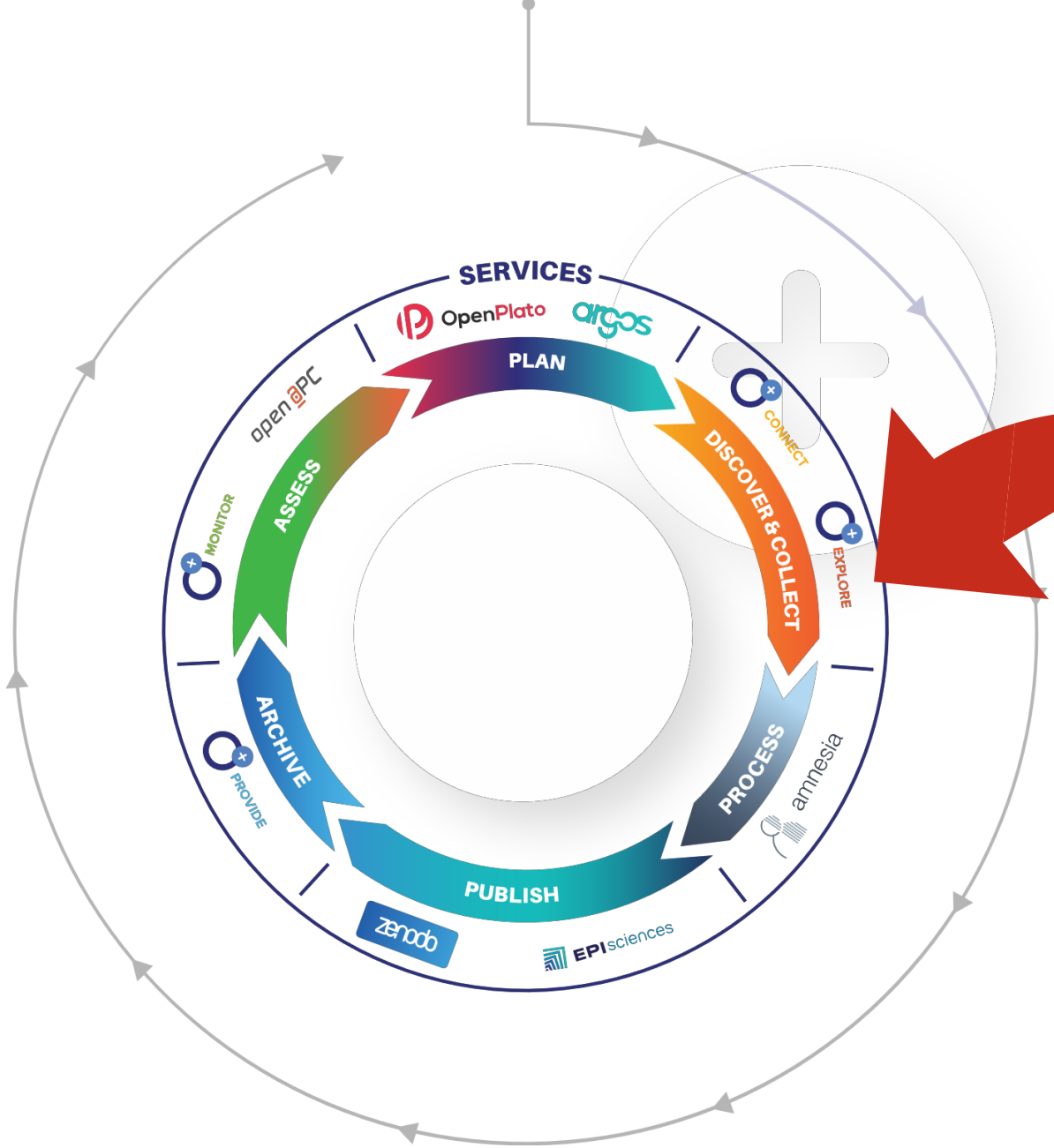
OpenAIRE Research Community Dashboard:
Enabling Open Science publishing for research communities, initiatives and infrastructures

Enhancing discovery with a customised search engine

Create a **targeted gateway**, configurable to specific content based on

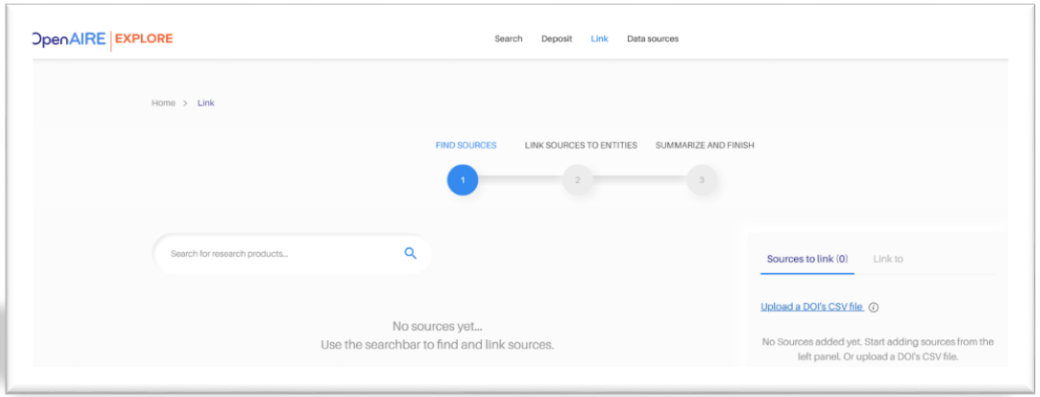
- repositories/journals of choice
- funding data
- enabled by automate selection process

- A secure place for communities to publish their results, in a guided manner, following OS practices
- Useful for **University Alliances**, to showcase their content under one branding
- Set up in **less than one month**

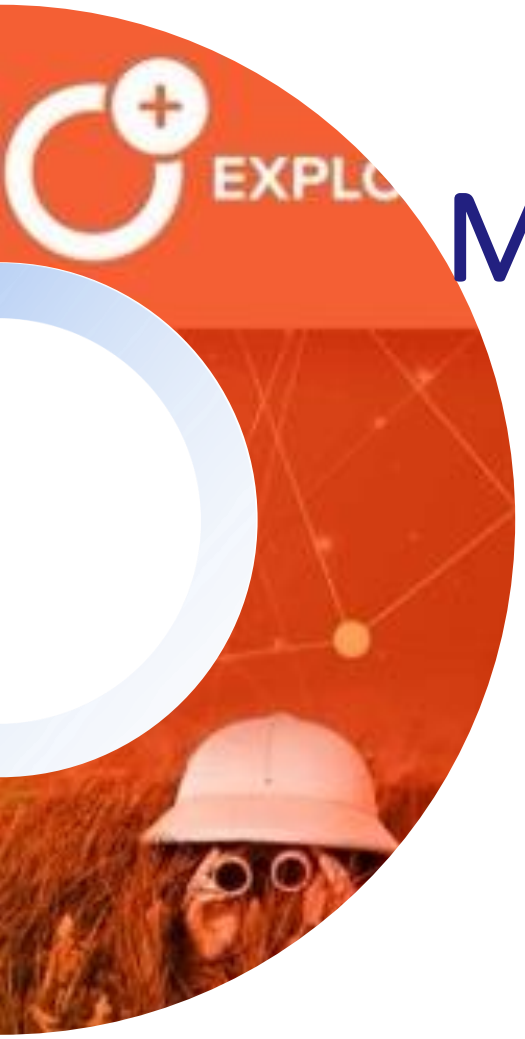


OpenAIRE EXPLORE

OpenAIRE search portal for Open Access scholarly works globally



OpenAIRE EXPLORE



Make the links! Contextualise your data

OpenAIRE **search portal**

- Accessible via OpenAIRE APIs
  >50 Million requests
- SDGs and Field of Science filtering
- Open and free for everyone

https://explore.openaire.eu

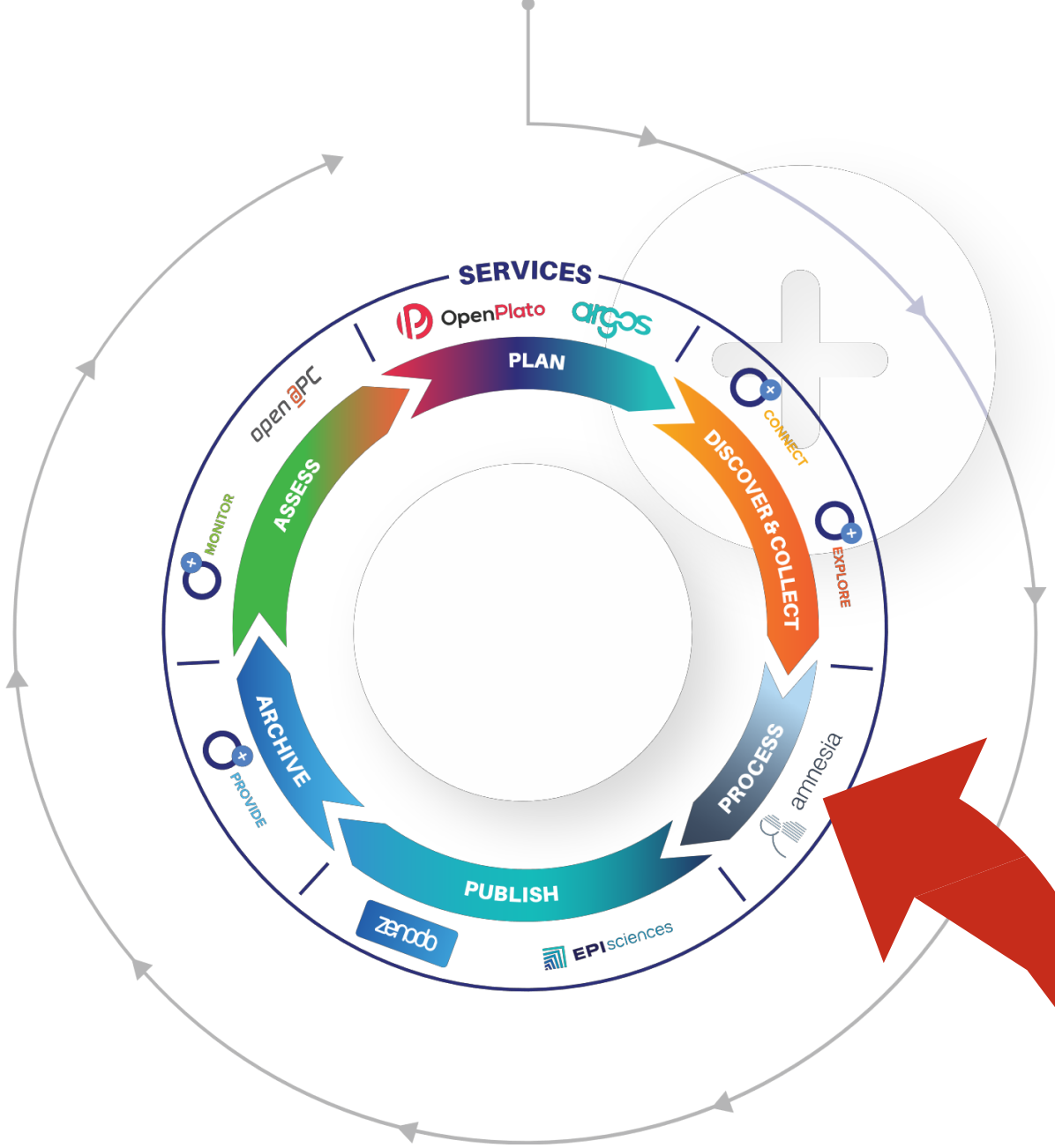
Collection of >1 Billion open citation **links**

>29 Million API requests

- Derived from open references within Crossref
- Citations hosted as Linked Open Data
- Citations accessible via a flexible API using DOIs

https://opencitations.net/

OpenAIRE



amnesia

MANAGE SENSITIVE DATA

Performs data anonymization

- **Not pseudo-anonymization** (According to **GDPR**)
- **Personal data become statistical data**

Is a stand - alone application

- Available as web service for training/demo purposes only

This service is offered by Athena Research Center, Greece

https://amnesia.openaire.eu/

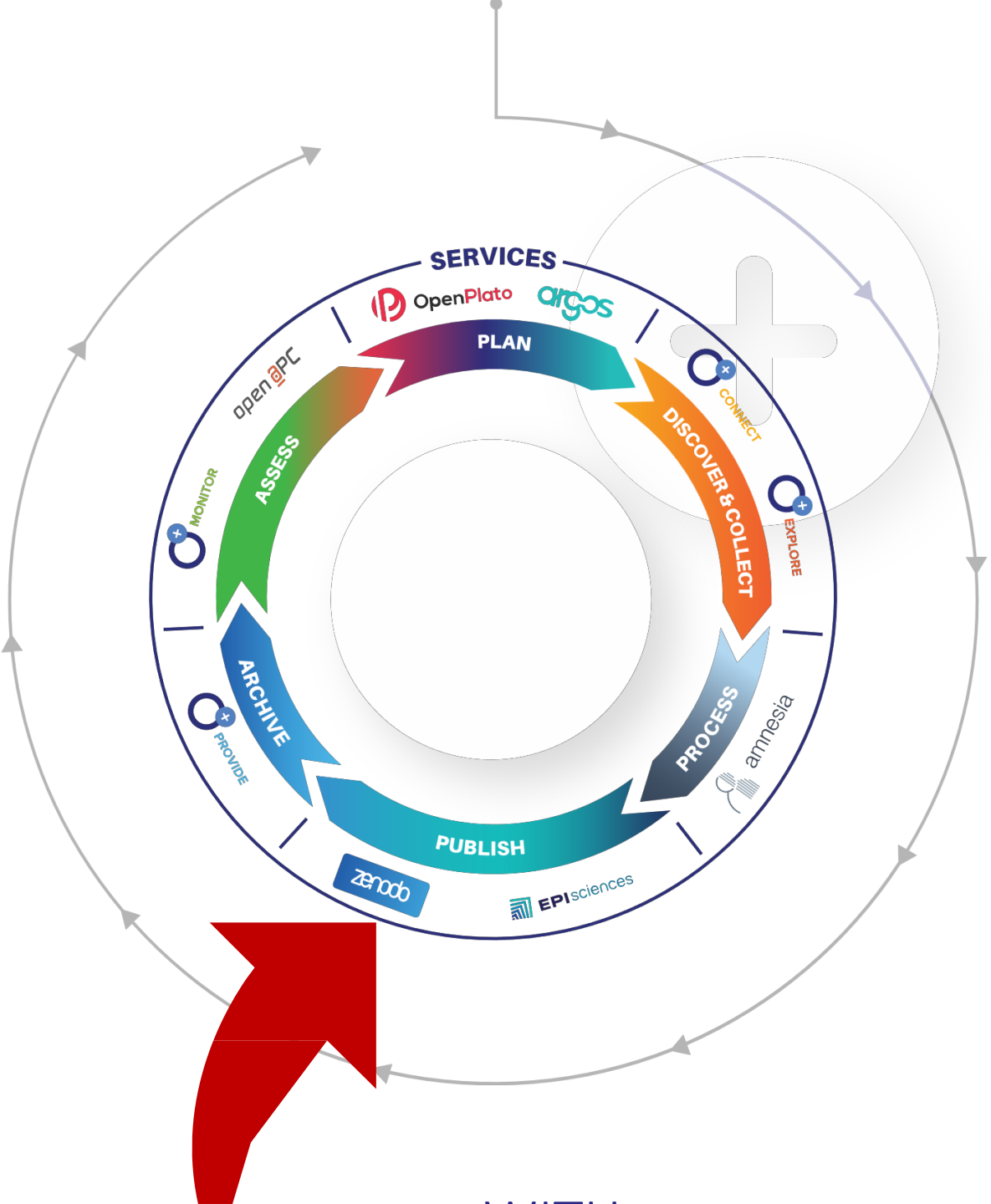
Anonymise datasets

Ensure whatever your researchers publish abides to the rules about sensitive data, personal data, and GDPR guidelines, might prevent their process and analysis.

State of the art anonymization algorithms, with **statistical guarantees** that the output **cannot** be **linked** to the original data!

Packaged to be embedded in **workflows:** before publishing (last step before submitting to repository) or before sharing proprietary data.

OpenAIRE



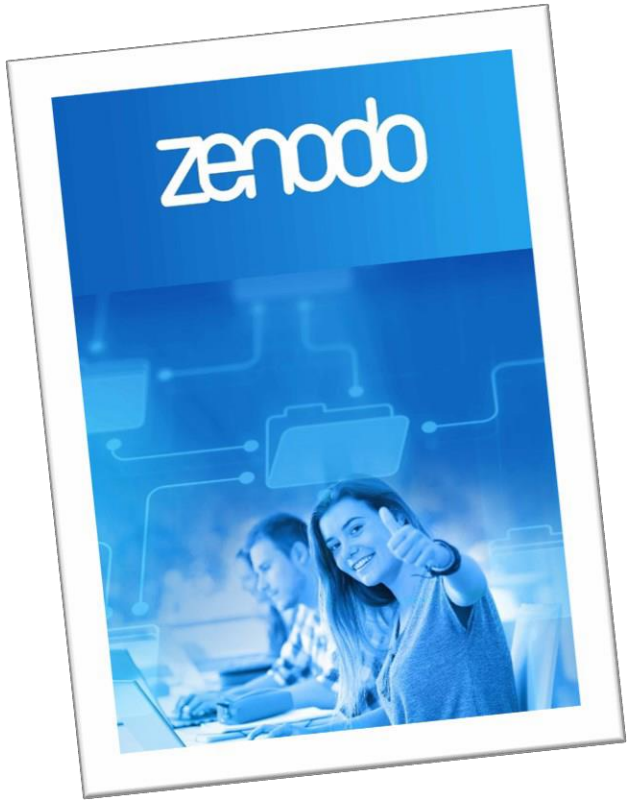
PUBLISH IN A TRUSTED ENVIRONMENT

Happy Birthday Zenodo!

Celebrating our 10th Anniversary

This service is offered by CERN, Switzerland

Publishing … Not only manuscripts!



- A **user-friendly** way to **share** research objects in just a few clicks
- Get a **DOI** for **citations**
- **Indexed** at real time be OpenAIRE
- Direct links to **Github** to archive snapshots of code and assign DOI
- Institutional **communities** (also linked to Connect)

1 — **2** — **3**

Upload

Visit: https://zenodo.org/
Upload up to 50GB for each dataset
All file formats accepted

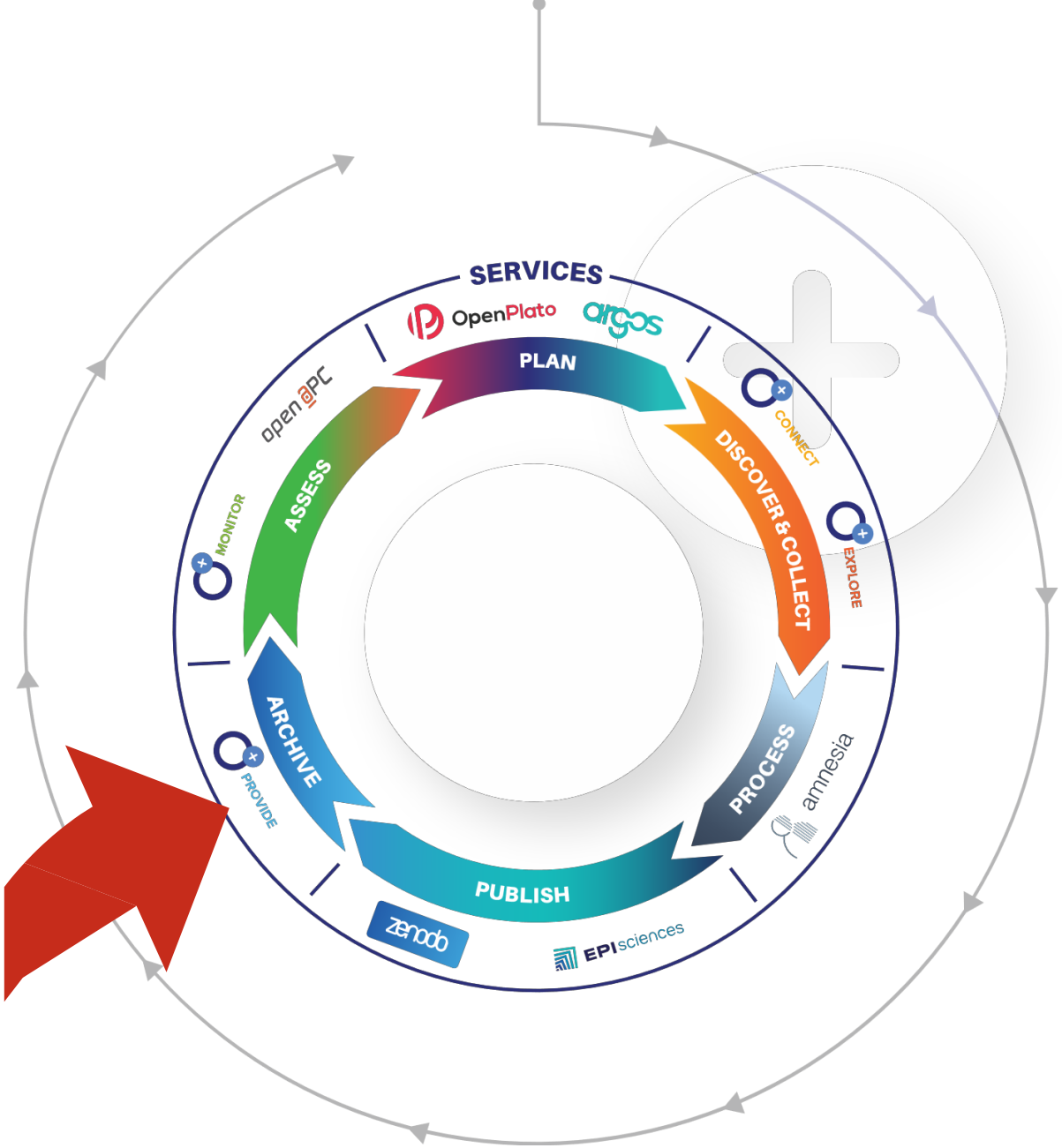
Describe

Provide rich but flexible metadata
Based on DataCite schema
Reserve DOI before publishing

Publish

Get a citable DOI
Many export formats

OpenAIRE

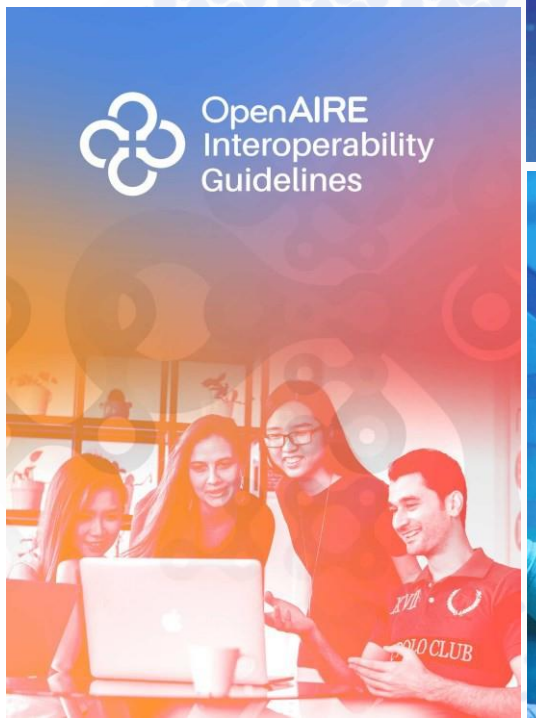


PROVIDE

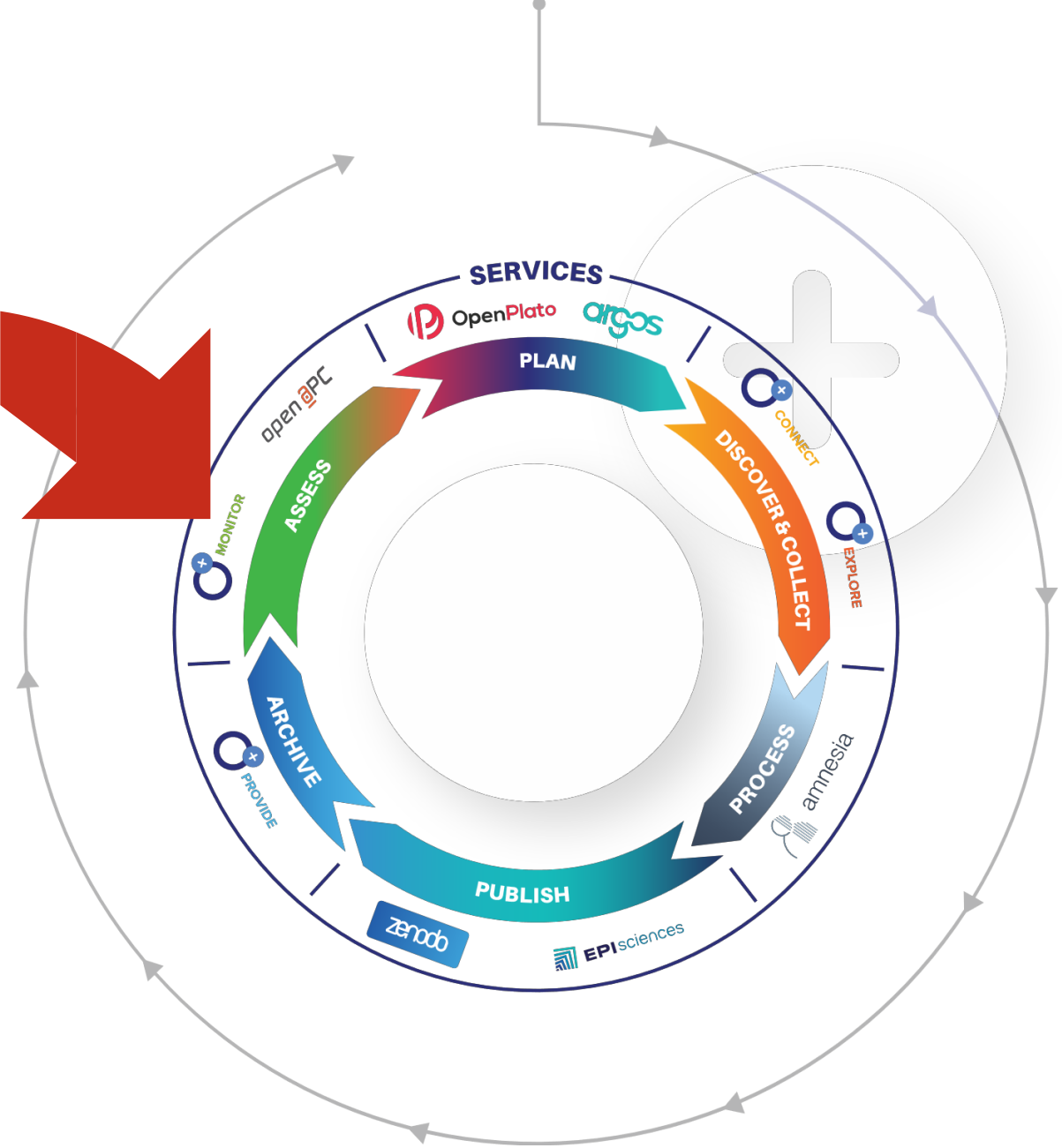
EXPOSE INSTITUTIONAL CONTENT TO EOSC AND THE WORLD IN A ONE-STOP-SHOP PLACE

More than **Archive**

- Make your repository accessible using Open, FAIR, and standard (meta)data
- Connect the research content to the OpenAIRE Graph and EOSC
- Get notifications on metadata updates
- Reveal hidden value of your research through OpenAIRE Services



OpenAIRE



MONITOR

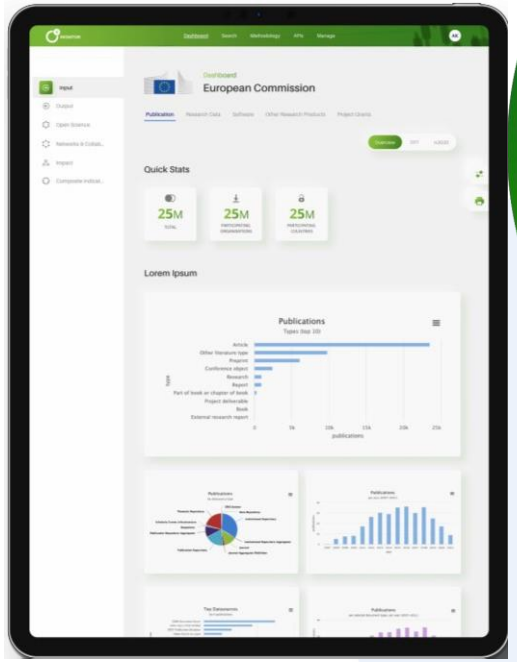
ASSESS RESEARCH OUTPUTS AND OPEN SCIENCE POLICIES

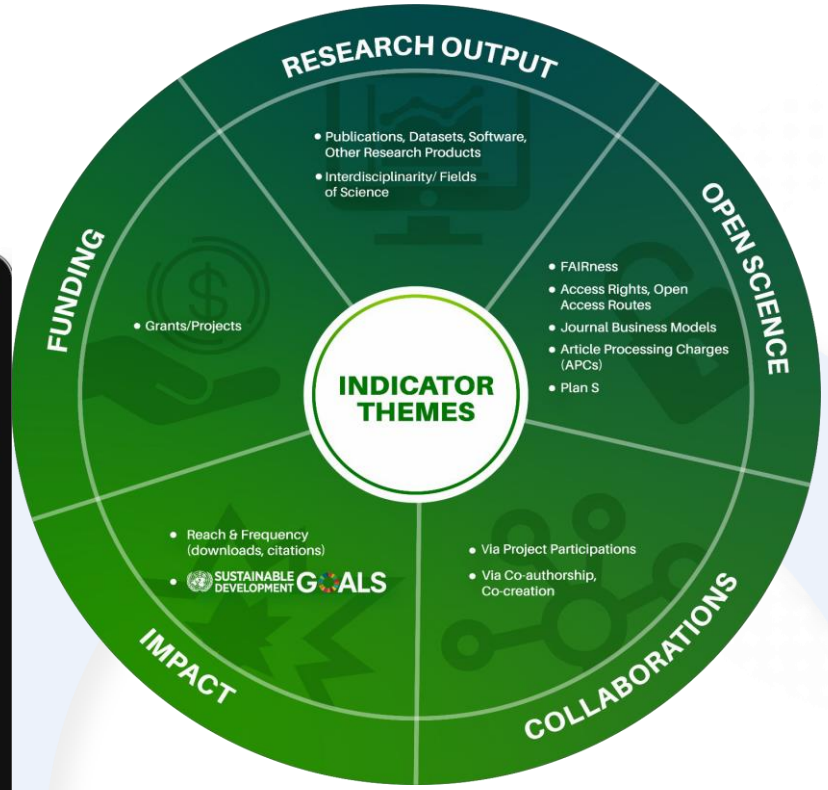
Monitor research activities, **outputs**, **collaborations**, **costs** and **impact**

A **customizable MONITOR dashboard**, with numerous visualisations, by field of interest, research activity, etc. on your data, using research indicators

- Linked to funding data, classifications (FOS, SDGs), FAIR metrics, etc.
- Supported by AI analysis to get more insights.

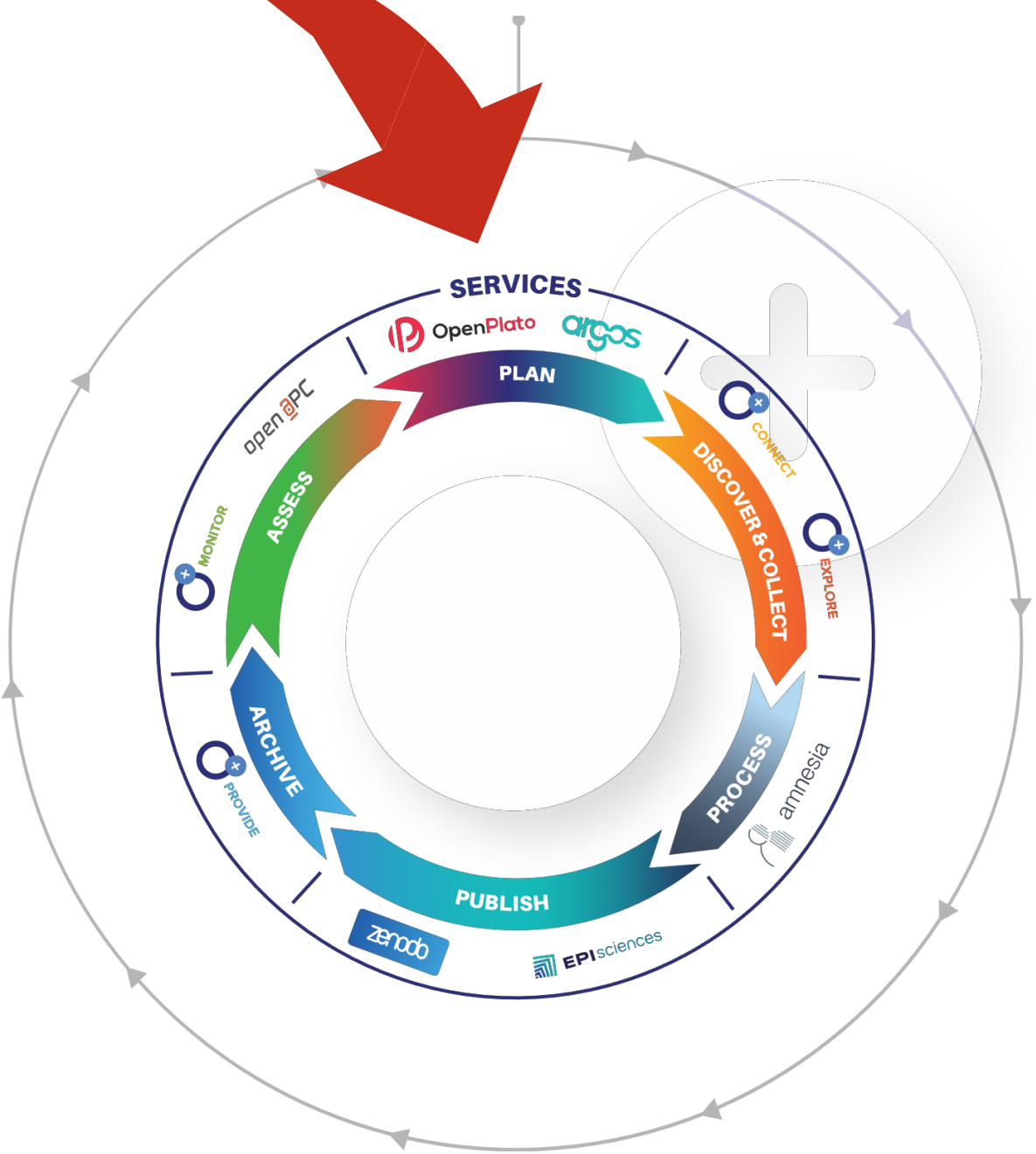
- **Public** indicators for external stakeholders – ***Showcasing***
- **Restricted** indicators for **team-members** – ***Internal Monitoring***
- **Private** indicators for “work in progress” - ***Reviewing***





https://monitor.openaire.eu/

OpenAIRE



OpenPlato

BUILD CAPACITIES VIA SKILLS

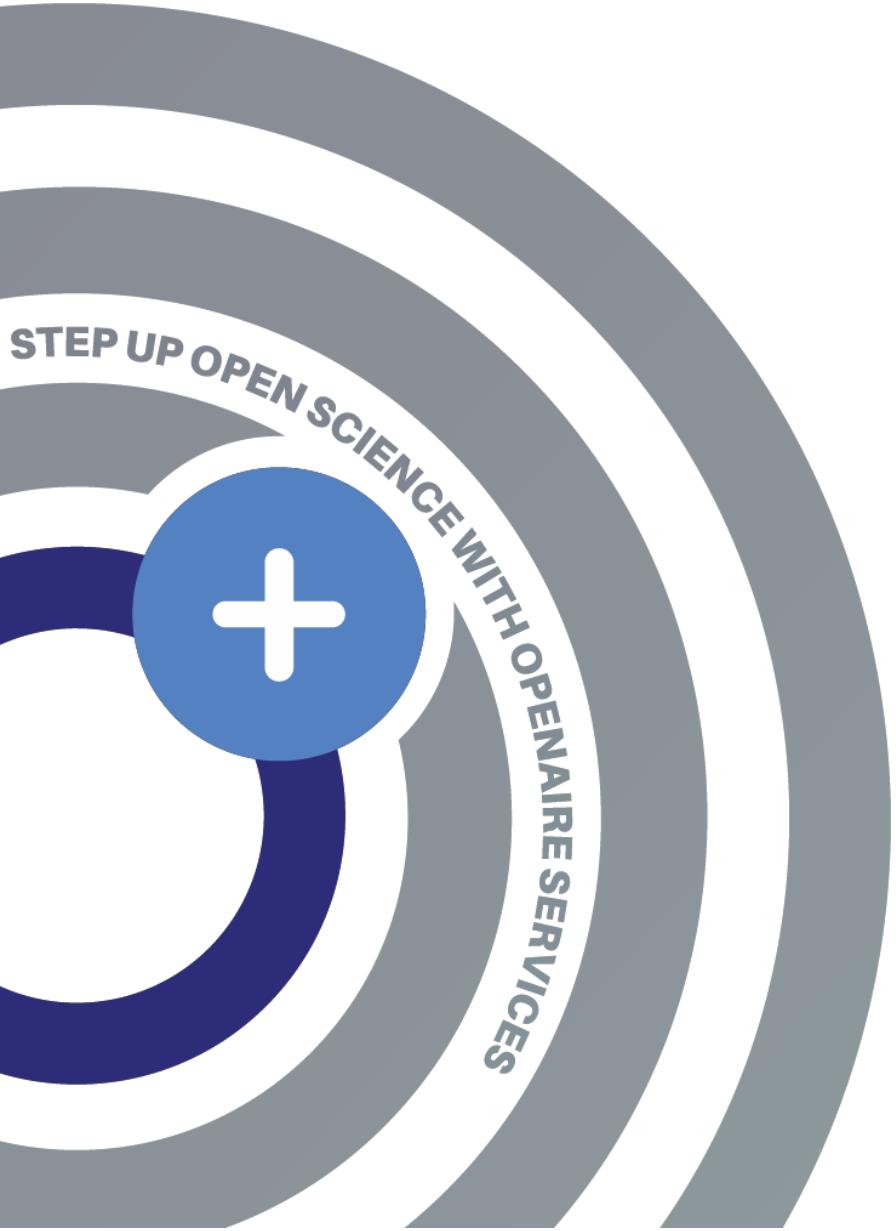
Open Science e-learning for the community

OpenAIRE

Train in Open Science

Upskill your students and staff

- Guides, factsheet, tutorials, podcasts
- Helpdesk to respond to targeted questions
- OpenAIRE bootcamps: Train your staff with the experts
- OpenPlato Moodle platform: hosts community
- co-created and authorised open courses

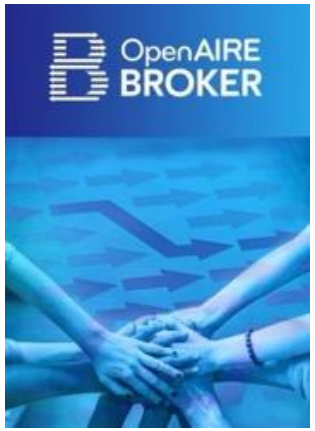


About costs

- OpenAIRE services are provided for **free** by EU funding from **OpenAIRE Nexus H2020 project** until end of 2023
- Subscription **fees** will apply from 2024 (non-profit pricing, subsidized by EU funding)
- OpenAIRE AMKE is currently expanding its **membership** base and invites RPOs to join and get the benefits of **discounts** as part of a co-design & co-development plan.

Contact us via https://www.openaire.eu/helpdesk

OpenAIRE



Scholarly communication services for all

http://catalogue.openaire.eu

WEBINAR
Monday 03 July 2023
at 12:00 CEST

https://bit.ly/3Tku5up

OpenAIRE
CC BY

OPEN SCIENCE FAIR
25-27 September 2023
Madrid, Spain

More information - https://www.opensciencefair.eu/

OpenAIRE

IATUL FALL SEMINAR 2023
4-7 September 2023
Izmir, Türkiye

Detailed Information: https://libguides.iyte.edu.tr/iatulfall2023

OpenAIRE

Services for Open Science

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Library Director

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