

13th Community Call

OPENAIRE CONTENT PROVIDERS MANAGERS



UsageCounts:

The analytics service of OpenAIRE Research Graph

latest developments



07/04/2021

 @openaire_eu

AGENDA:

1) OpenAIRE Provide updates

2) Main topics for discussion

- ❖ OpenAIRE-NEXUS projet

- ❖ OpenAIRE UsageCounts:

The Usage Statistics Service of OpenAIRE Research Graph

Dimitris Pierrakos (ATHENA Research Center)

3) Questions & comments

Notes & Agenda ⇒ <https://bit.ly/2rTgJwy>



OpenAIRE PROVIDE – recent news & reminders

Broker service

New command line client to access the notification records from the Broker public API.

→ Available on GitHub

OpenAIRE-Nexus

Public Launch Event.

Presentations & Recordings available

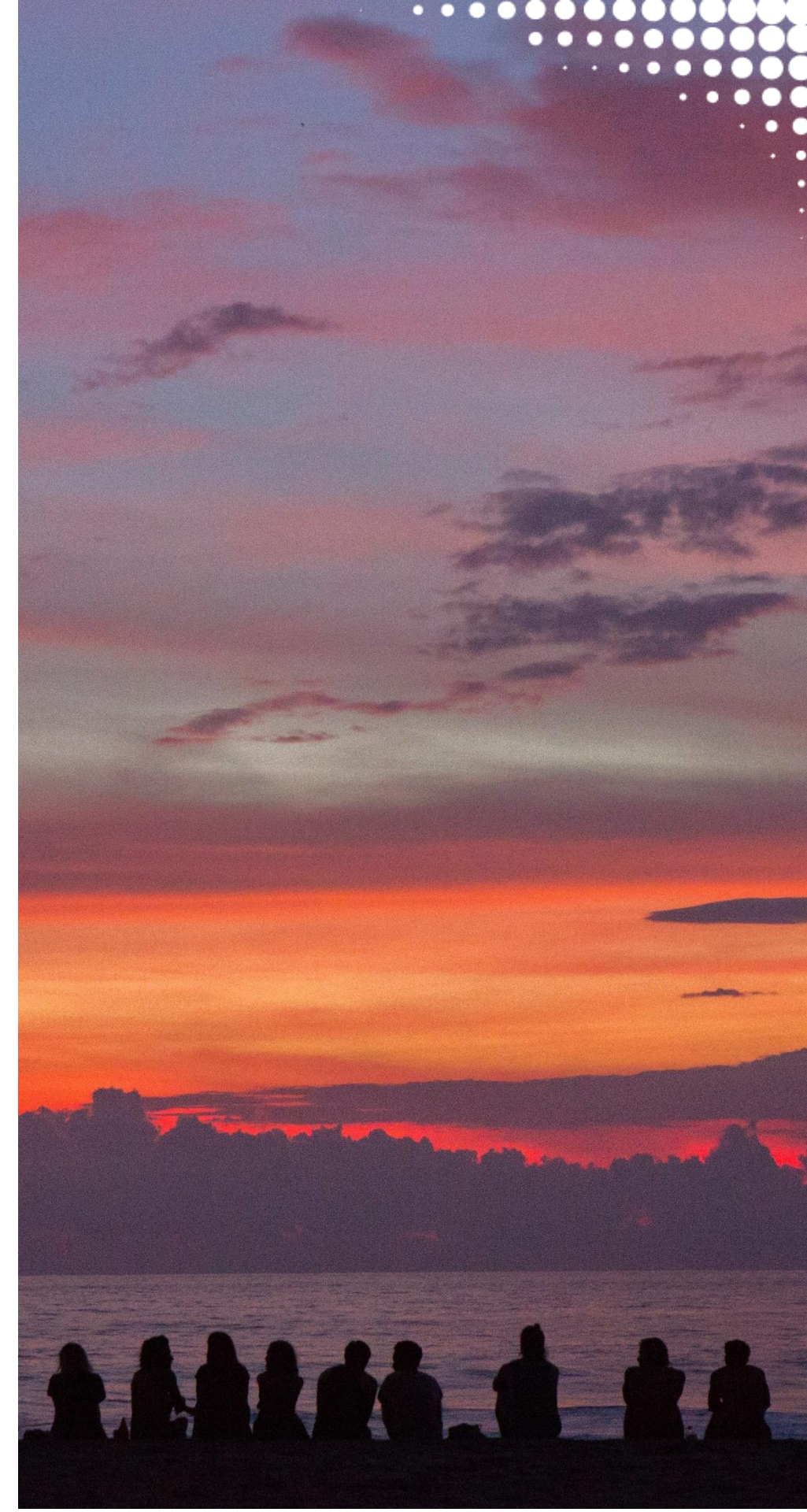
www.openaire.eu/openaire-nexus-public-launch-event

Usage Counts

Graphs updated on production.

Previous calls recordings

www.openaire.eu/provide-community-calls



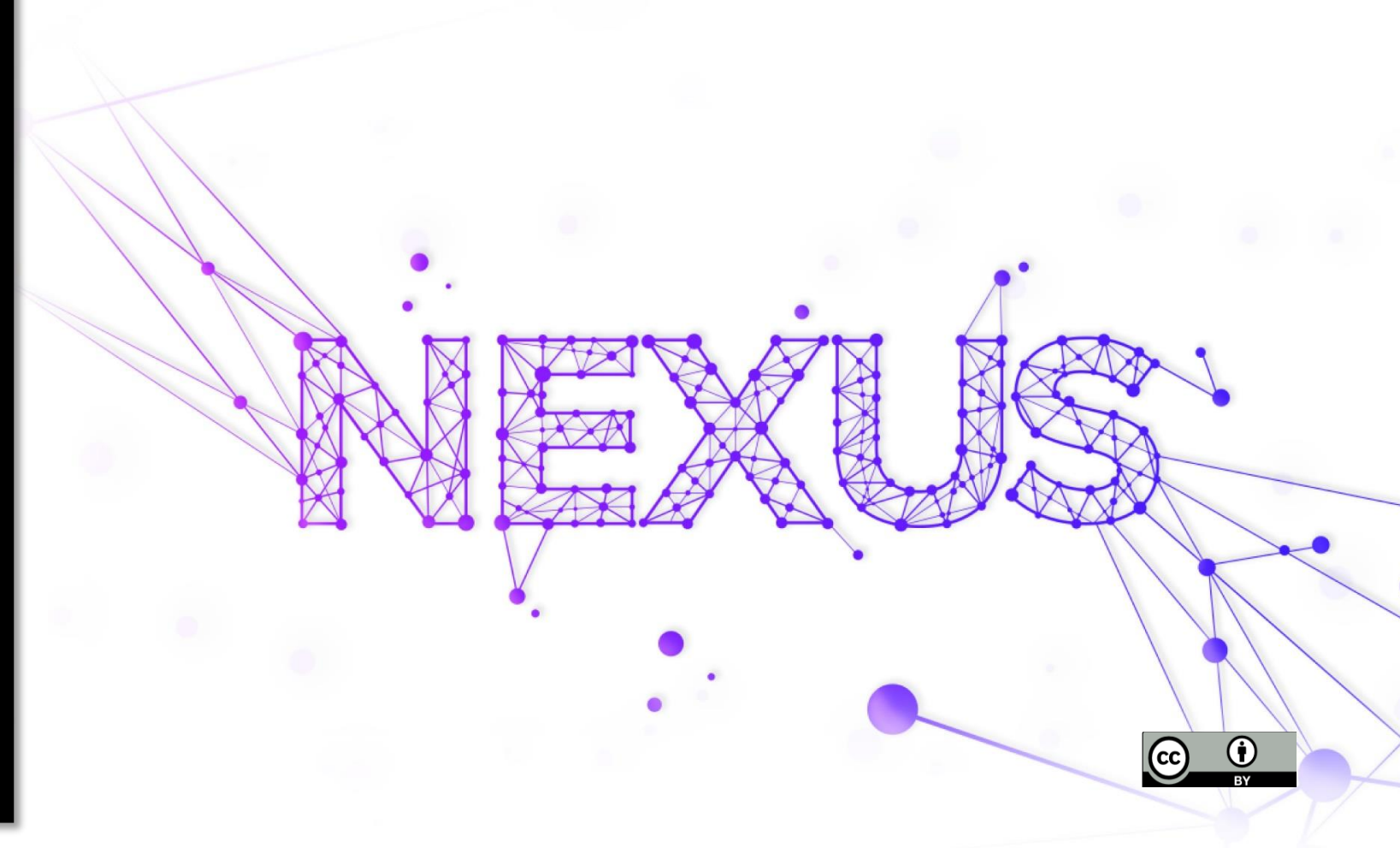
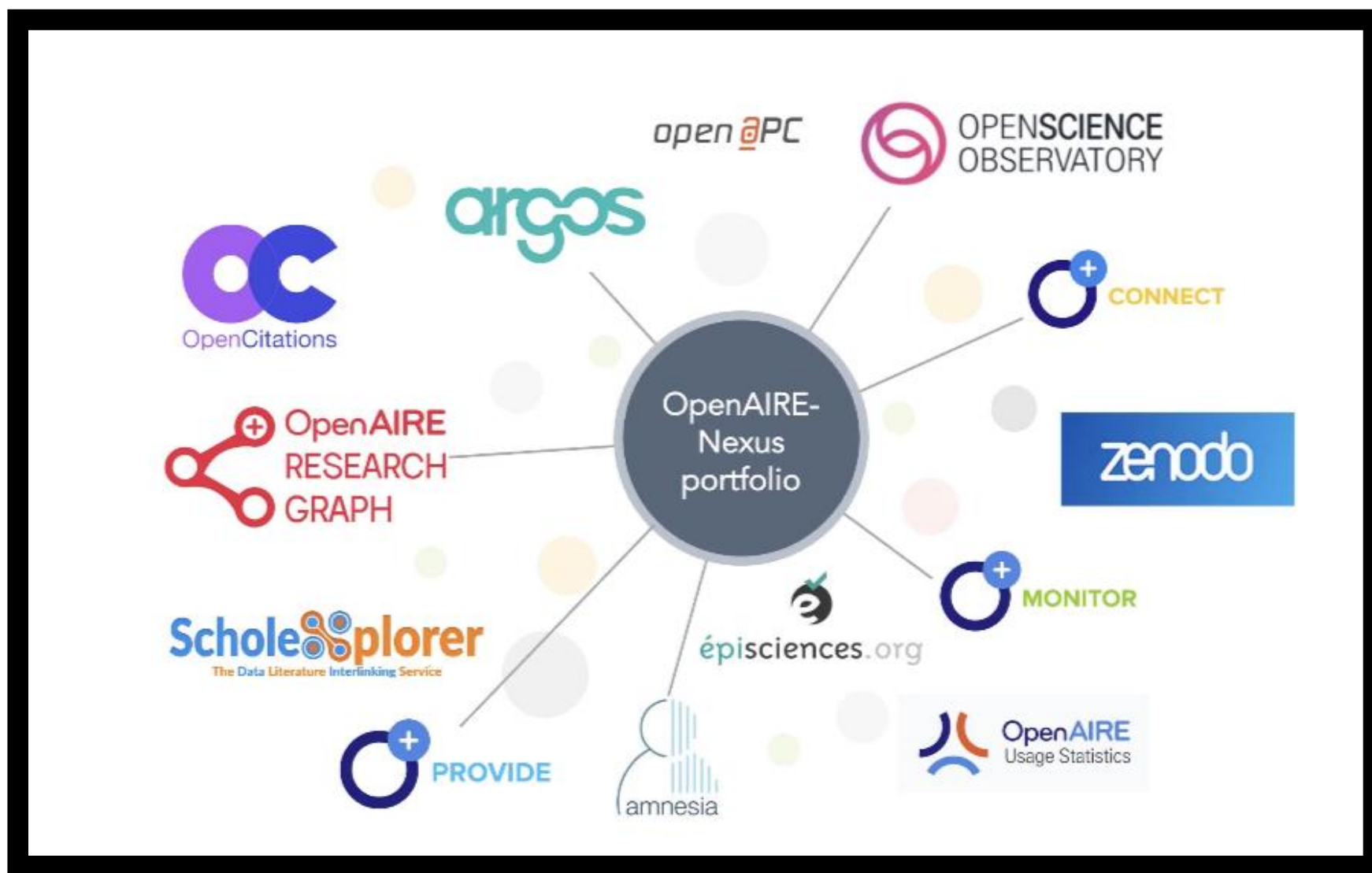
OpenAIRE-Nexus Project



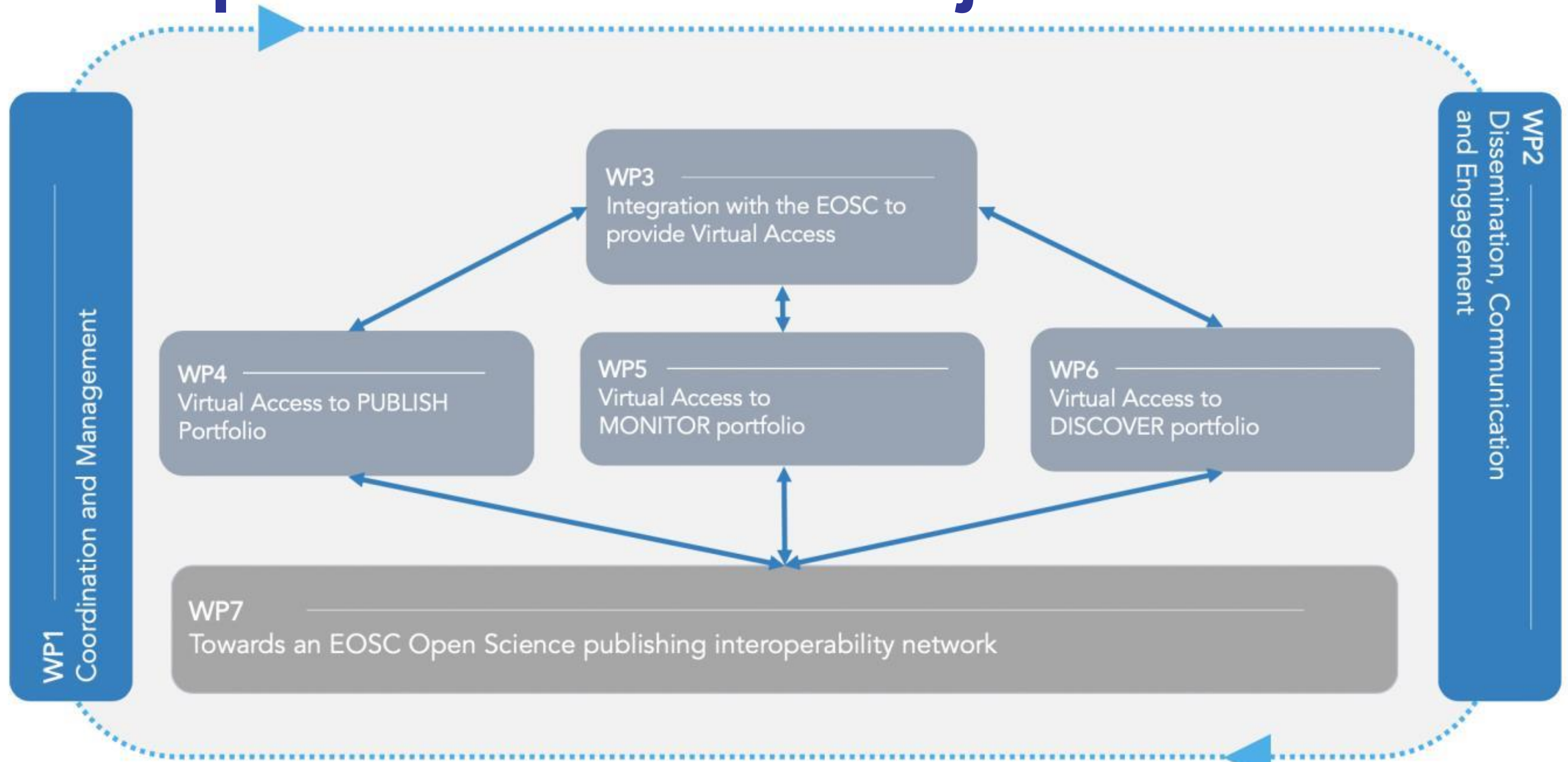
Start date: 01/01/2021

Duration: 30 months

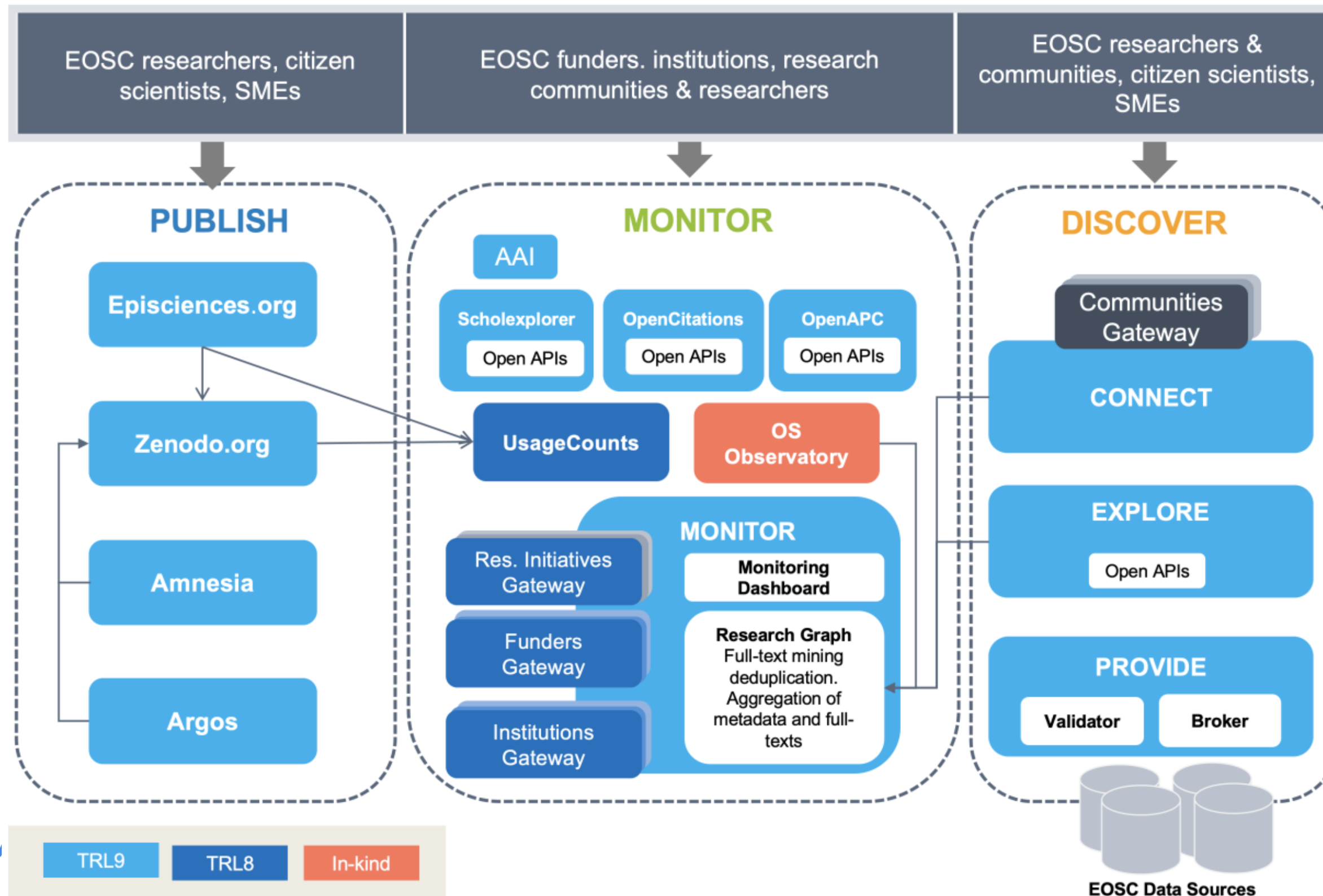
H2020 project onboarding to the EOSC fourteen services, provided by public institutions, infrastructures, and companies, structured in three portfolios: PUBLISH, MONITOR, and DISCOVER.



OpenAIRE-NEXUS Project Structure



OpenAIRE-Nexus Services: “as for Virtual Access”



Overview of OpenAIRE Provide Dashboard

Validate

The **Validator** service allows to test your data source compatibility with the **OpenAIRE Guidelines**.

Register

If validation succeeds the data source can be **registered for regular aggregation** and indexing in OpenAIRE.



Enrich

Improve your metadata. Get more connections. **OA Broker service** offers a wealth of information. Find out what interests you and subscribe to enrich your records.

Measure

Share usage data via OpenAIRE's global **Metrics Service – usage counts**. Get the benefit of an aggregated environment.

Collection monitor

Collection monitor provides the **aggregation history**. Track the aggregation stage, collection mode and the number of records aggregated.

Notifications

Once registered in OpenAIRE, content providers are able to use the Provide functionalities and to **get notifications & alerts** (enrichments, errors, useful info).



- R Register
- V Validator
- N Notifications

Records collected on
2020-07-07
64,003

Enrichments
305,882

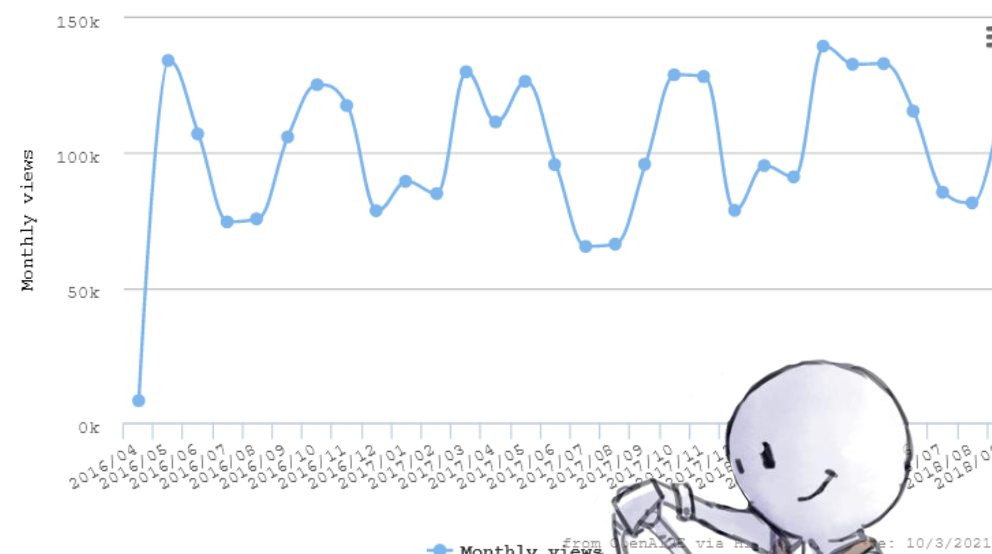
Downloads
659,436

Views
530

Aggregation History

- 2021-03-03
Aggregation stage
TRANSFORM
Number of records
23,418
- 2021-03-03
Aggregation stage
COLLECT
Collection mode
REFRESH
Number of records
68,616
- 2021-02-16
Aggregation stage
TRANSFORM
Number of records
23,341

Usage Counts



Last month's reports

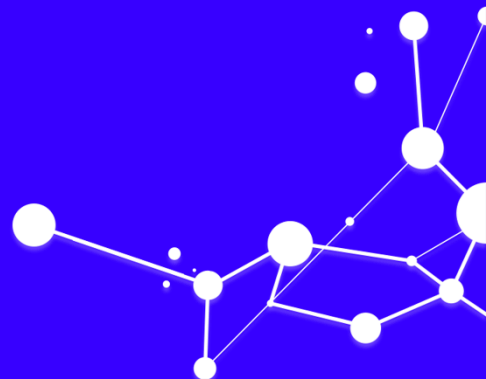
- AR1
- IR1
- RR1
- BR1
- BR2

REPOSITORIES

Universidade do Minho:
Reposit...

Hide Controls

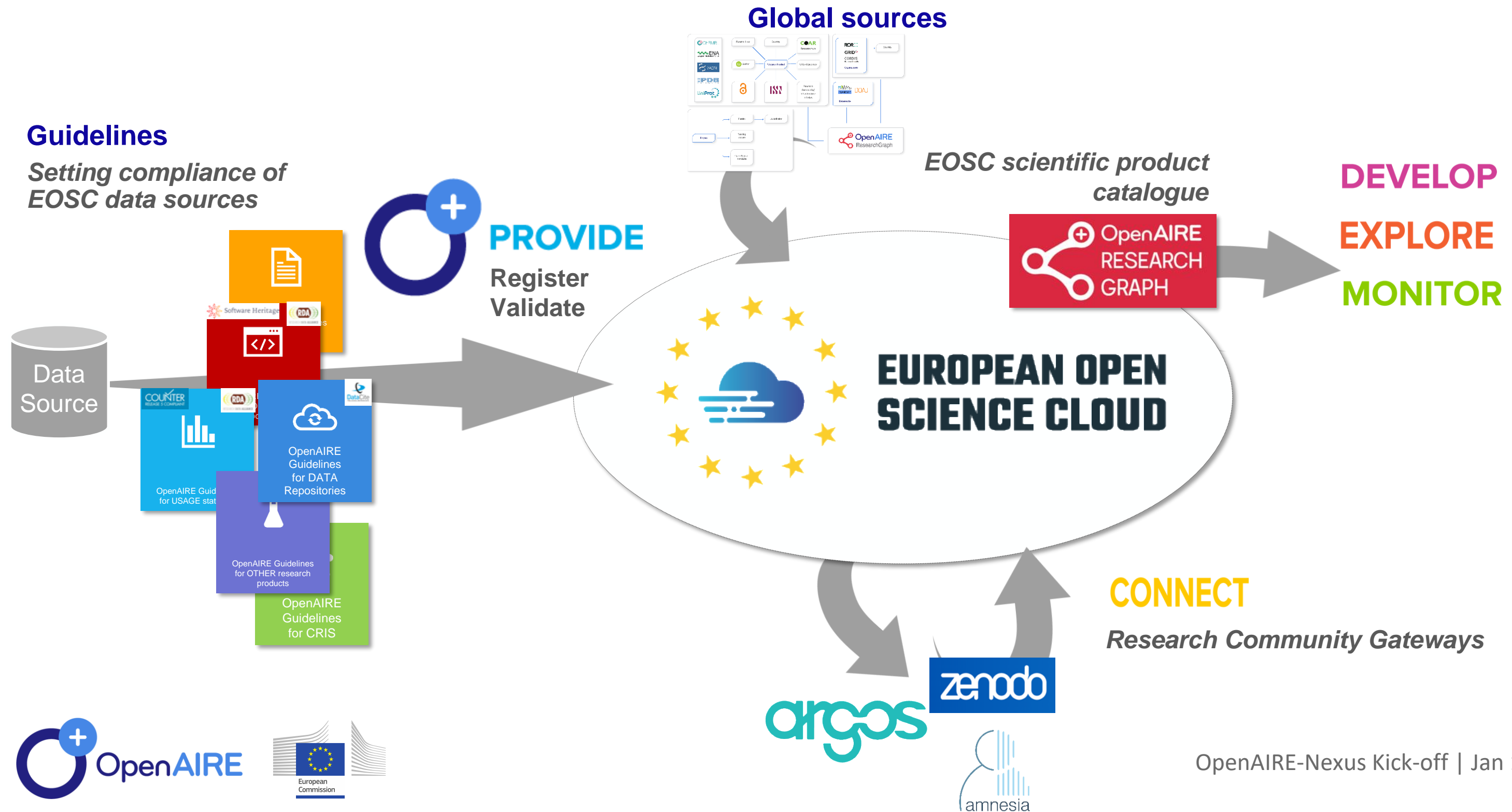
A gateway to the European Open Science Cloud.



OpenAIRE Provide – a gateway to the EOSC

Guidelines

Setting compliance of EOSC data sources





Dimitris Pierrakos
ATHENA Research Center

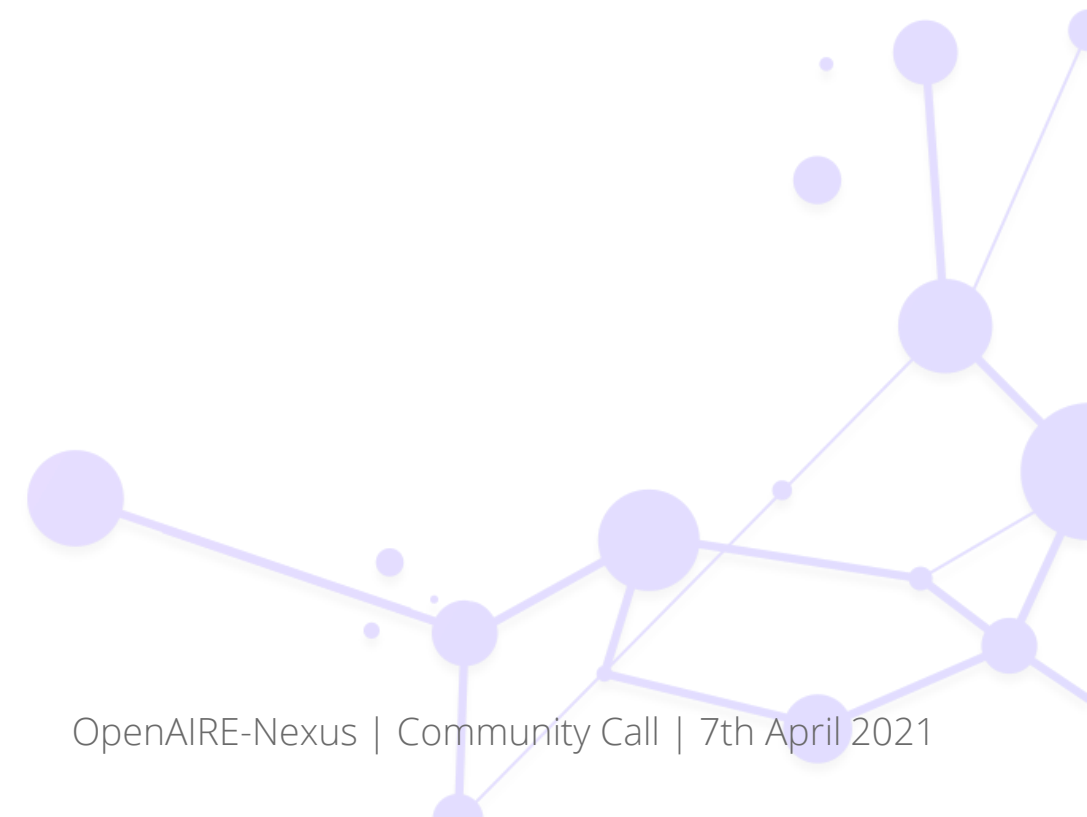
OpenAIRE 13th Community Call



The Usage Statistics Service of OpenAIRE Research Graph

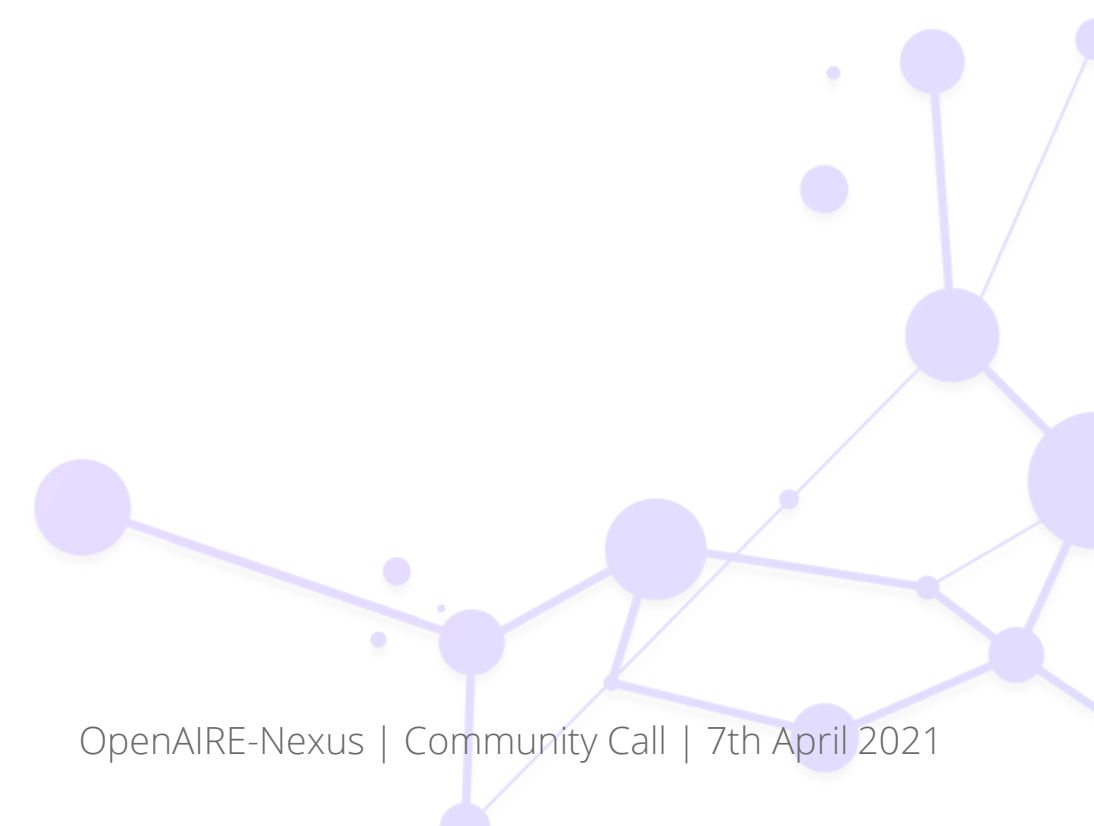
Community Call Topics

- Overview of the service
- Participation
- Benefits
- Future enhancements

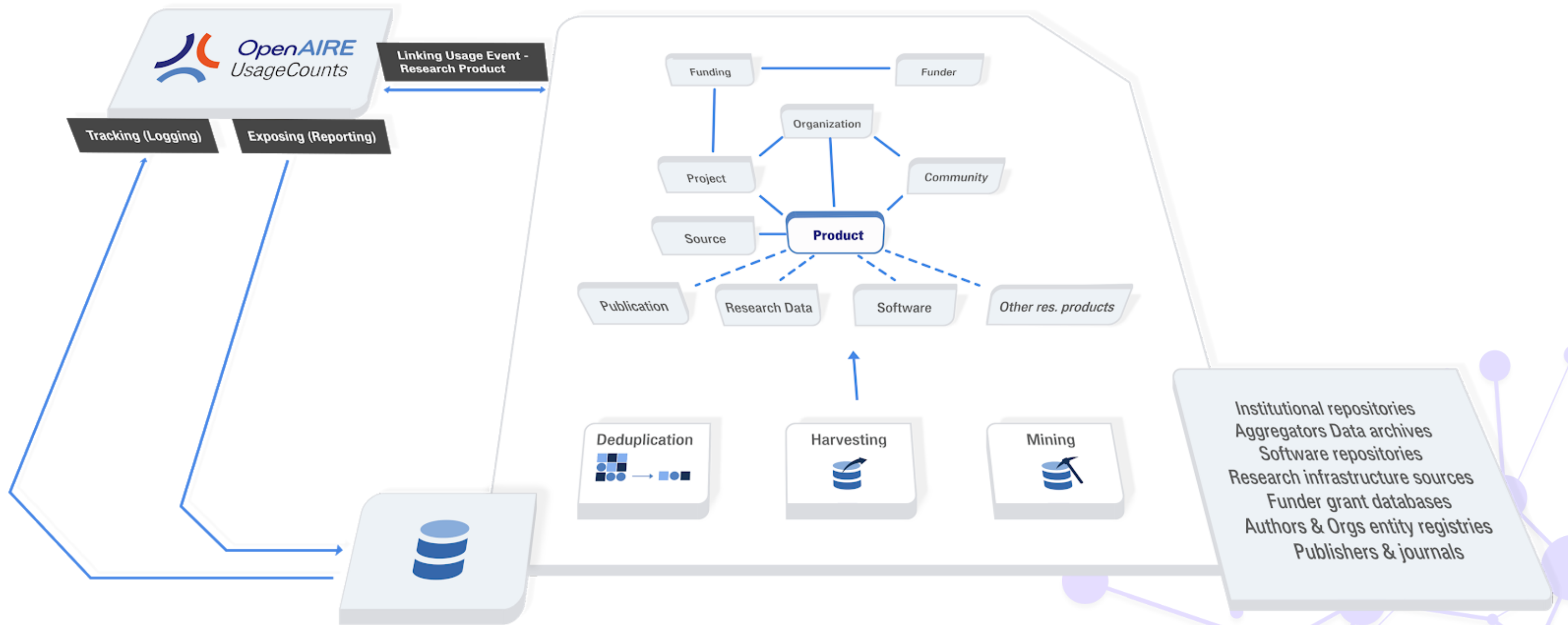


Overview of UsageCounts

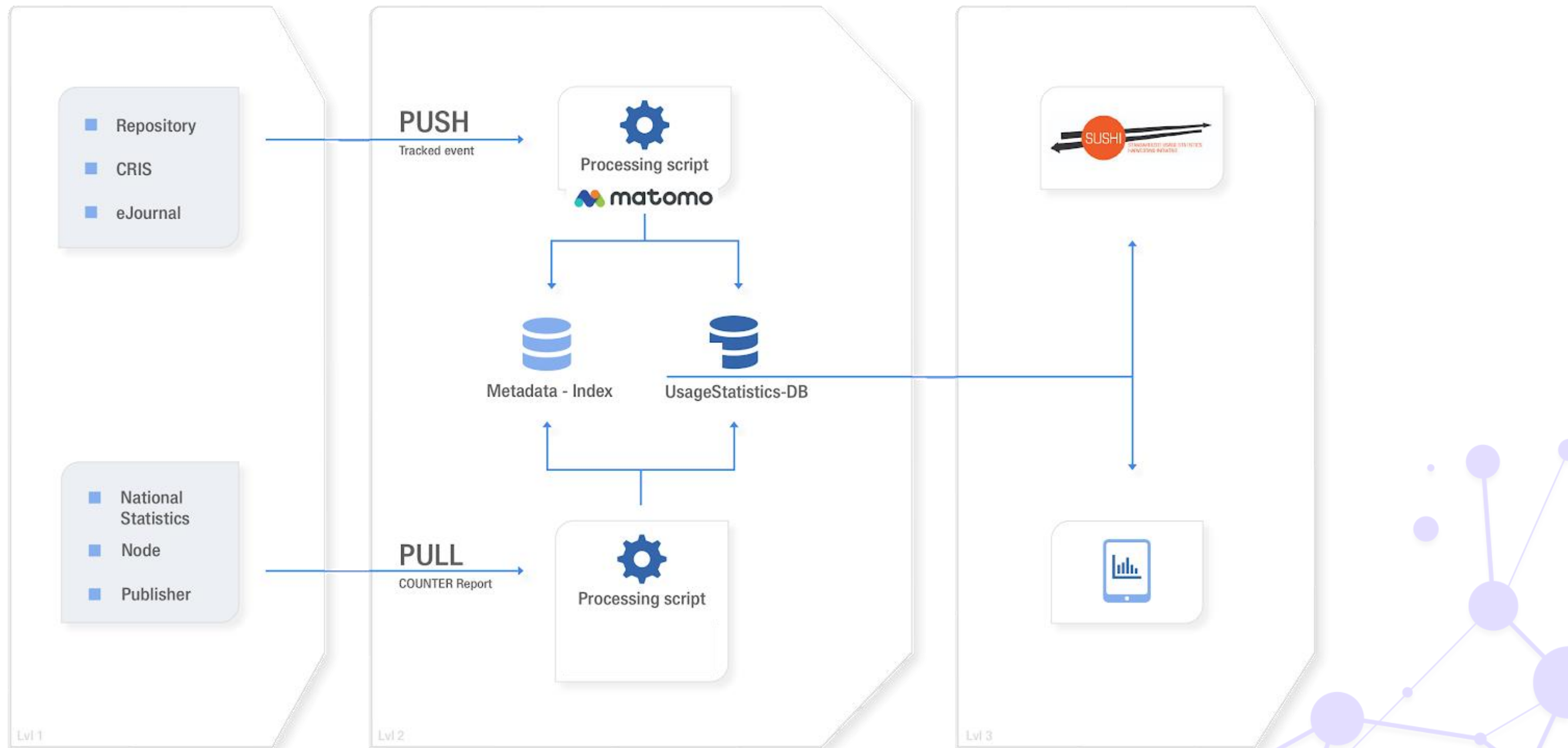
- Collects usage data or usage statistics reports for OpenAIRE Research Graph products and from OpenAIRE distributed network of Content Providers using open standards and protocols
- Generates reliable, consolidated and comparable usage metrics, compatible with the COUNTER Code of Practice standard.
- Worldwide Indicators (March 2021):
 - ~3,5M Research Products
 - ~200 Content Providers
 - ~110M Views
 - ~400M Downloads



UsageCounts in OpenAIRE infrastructure



Architecture & workflows







How to use Usage Counts




- **Register via Provide:**
 - provide.openaire.eu
- **View Usage Statistics in Provide - Explore – Service Portals**
 - provide.openaire.eu
 - explore.openaire.eu
 - usagecounts.openaire.eu
- **Get COUNTER Reports via a SUSHI-Lite API**
 - <https://usagecounts.openaire.eu/resources#apis>

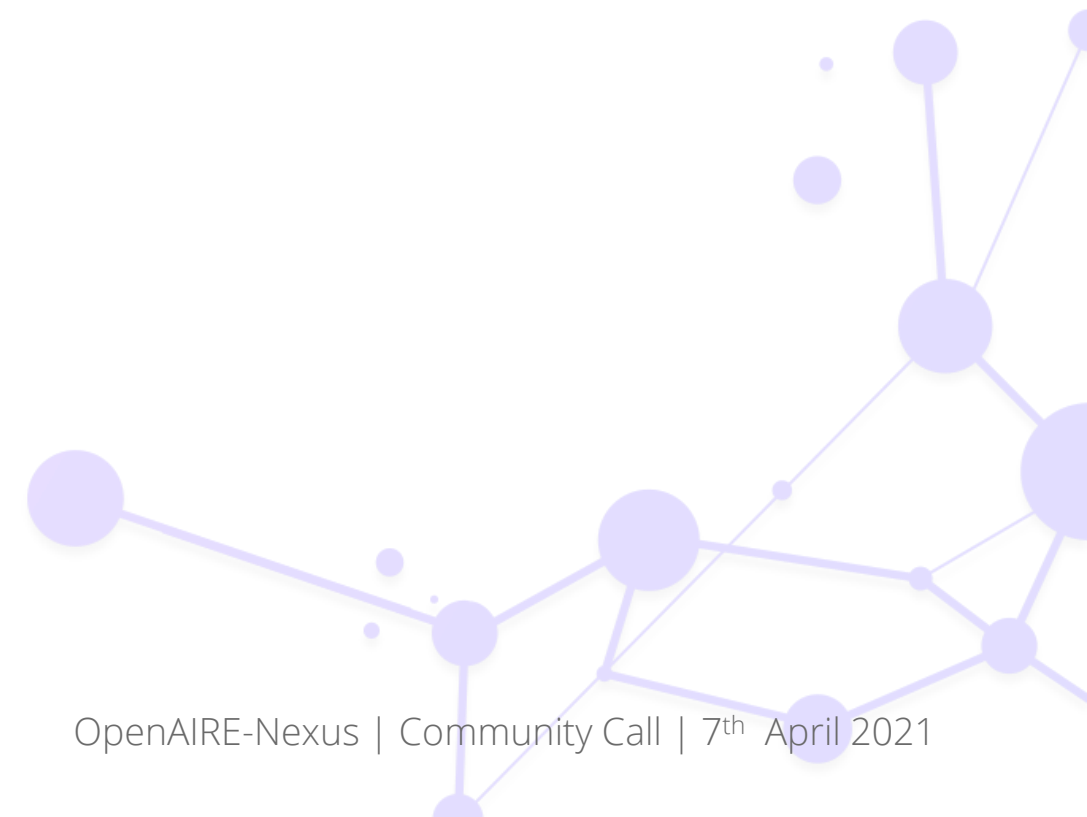
Registration via Provide

Register your datasource

 Literature repository	 Data repository	 Journal
 Aggregator		

Coming soon

		
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Registration via Provide

Metrics

YOU DON'T HAVE METRICS ENABLED FOR THIS REPOSITORY YET. WOULD YOU LIKE TO ENABLE THEM?



Once you select to enable metrics for your repository, the following steps need to be performed:

On your side

1. Download the tracking code for your repository platform
2. Configure the tracking code according to the instructions
3. Deploy the tracking code in your repository platform

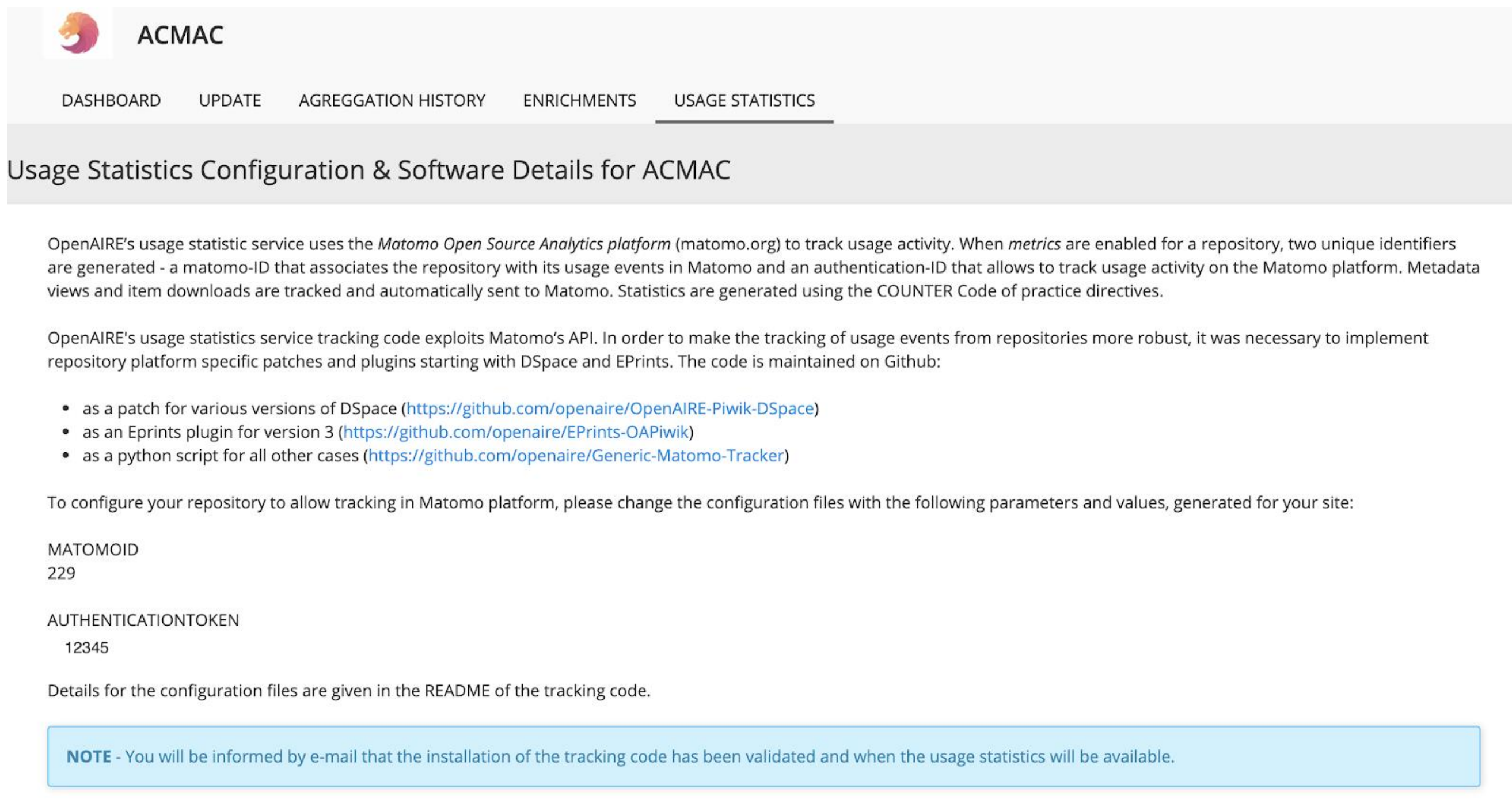
On the OpenAIRE's side

4. Validate the installation of the tracking code and inform the repository manager accordingly

For more details about the workflows and tools please consult the ["Guidelines for Collecting Usage Events and Provision of Usage Statistics"](#).

ENABLE METRICS

Registration via Provide



The screenshot shows the ACMAC web interface. At the top left is the ACMAC logo. Below it is a navigation menu with links: DASHBOARD, UPDATE, AGREGGATION HISTORY, ENRICHMENTS, and USAGE STATISTICS (which is underlined). The main heading is "Usage Statistics Configuration & Software Details for ACMAC".

OpenAIRE's usage statistic service uses the *Matomo Open Source Analytics platform* (matomo.org) to track usage activity. When *metrics* are enabled for a repository, two unique identifiers are generated - a matomo-ID that associates the repository with its usage events in Matomo and an authentication-ID that allows to track usage activity on the Matomo platform. Metadata views and item downloads are tracked and automatically sent to Matomo. Statistics are generated using the COUNTER Code of practice directives.

OpenAIRE's usage statistics service tracking code exploits Matomo's API. In order to make the tracking of usage events from repositories more robust, it was necessary to implement repository platform specific patches and plugins starting with DSpace and EPrints. The code is maintained on Github:

- as a patch for various versions of DSpace (<https://github.com/openaire/OpenAIRE-Piwik-DSpace>)
- as an Eprints plugin for version 3 (<https://github.com/openaire/EPrints-OAPiwik>)
- as a python script for all other cases (<https://github.com/openaire/Generic-Matomo-Tracker>)

To configure your repository to allow tracking in Matomo platform, please change the configuration files with the following parameters and values, generated for your site:

MATOMOID
229

AUTHENTICATIONTOKEN
12345

Details for the configuration files are given in the README of the tracking code.

NOTE - You will be informed by e-mail that the installation of the tracking code has been validated and when the usage statistics will be available.

Why to use UsageCounts by Whom

- Usage Statistics: a measure of scholar **impact**.
- **Indicators** that complements other (traditional and alternative) bibliometric indicators to provide a comprehensive and recent view of the impact of academic resources.
- Metadata de-duplication enables **accumulation** of usage for same research outputs
- **Standardization** needed.
- **Who**: Authors, Institutions, OS platforms, Funders, etc.
 - “Which funder has the biggest engagement in Europe?”
 - “Provide me the evolution of the popularity of the publications/data of a project within the last 5 years.”

Usage Statistics in Provide

Universidade do Minho: RepositoriUM

[Get statistics report](#)

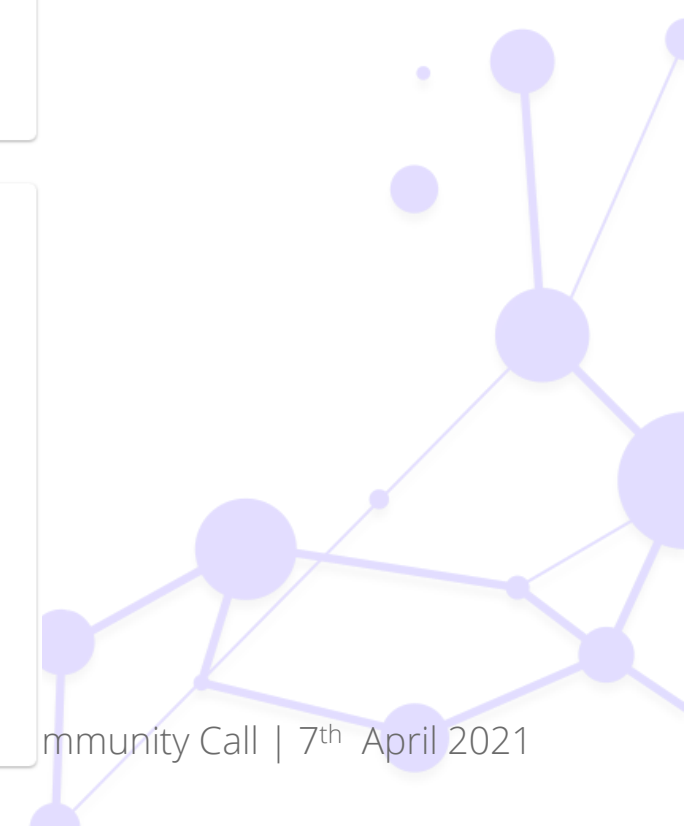
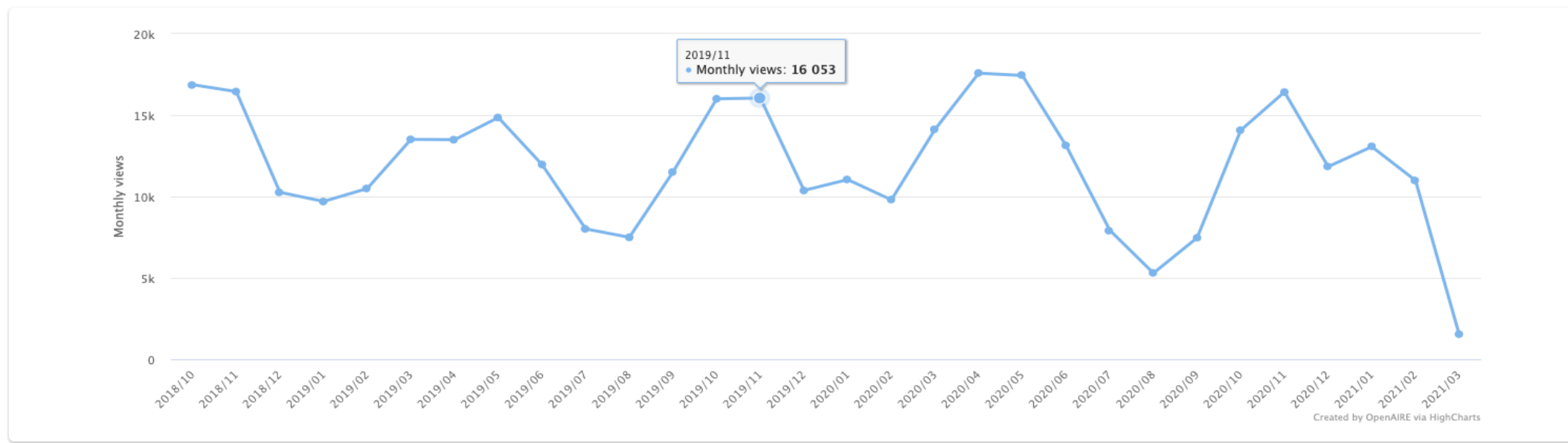
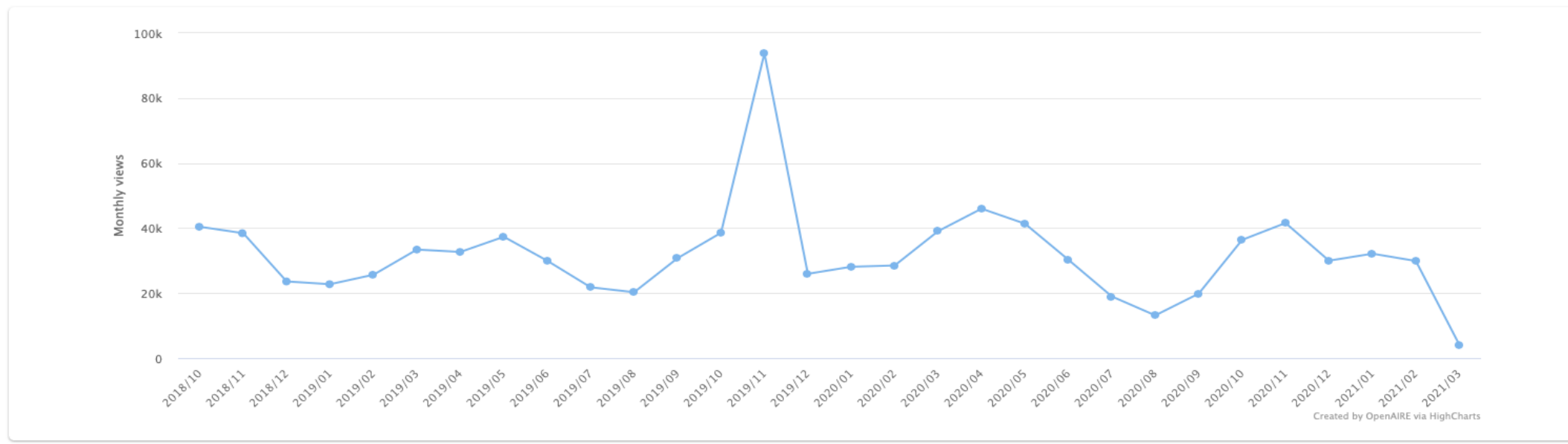
views in OpenAIRE
532



views in local repository
1,974,611 (19 from OpenAIRE)



downloads in local repository
659,436 (10 from OpenAIRE)



Usage Statistics in Provide



Universidade do Minho: RepositoriUM

[DASHBOARD](#) [UPDATE](#) [AGGREGATION HISTORY](#) [ENRICHMENTS](#) [USAGE COUNTS](#)

Get usage counts report for Universidade do Minho: RepositoriUM

Supported Reports

AR1

Article Report 1, number of successful article download requests by month and repository.

IR1

Item Report 1, number of successful item download requests by month and repository.

RR1

Repository Report 1, number of successful item downloads for all repositories participating in the usage statistics service.


BR1

Book Report 1, number of successful title requests by month and title.

BR2

Book Report 2, number of successful section requests by month and title.

Usage Statistics in Provide

 **Universidade do Minho: RepositoriUM**

DASHBOARD UPDATE AGGREGATION HISTORY ENRICHMENTS USAGE COUNTS

AR1 report for Universidade do Minho: RepositoriUM

Report Request

Report Name
AR1

Release
4

Requestor
repositorium@sdum.uminho.pt

[Get Report](#)

Report Filters

Date range

Valid date formats are yyyy-mm-dd or yyyy-mm. Default range is the last available month.

Begin Date
2021-01

End Date
2021-02

Filters

*For more specific results, provide an Item Identifier.
Identifier format: **namespace:value**
Valid namespace for Item Identifier: **openaire, doi** or **oid**(for OAI-PMH).*

Repository Identifier
openoar:307

Item Identifier
e.g. openaire:od_____:fb90de6f20d79783d05749d8f60417d5

Report Attributes

Valid Granularity values: Monthly or Totals

Granularity
Monthly

Usage Statistics in Provide



Universidade do Minho: RepositoriUM

[DASHBOARD](#) [UPDATE](#) [AGGREGATION HISTORY](#) [ENRICHMENTS](#) [USAGE COUNTS](#)

Get usage statistics report

AR1 Report Results

Results per page
10

TITLE	PUBLISHER	ITEM URLS	TYPE	DOWNLOADS/VIEWS
Children"s Literature Published in Portugal and Intergenerational Dialogue	Universidad de Almería, Red Internacional de Universidades Lectoras	Crossref)null)Álabe, Iss 11, Pp 1-10 (2015)	Article	Hide results
MONTH		DOWNLOADS		VIEWS
Jan 2021		1		1
Feb 2021		0		2
Um perfume de utopia: ir às compras ao hipermercado	Universidade do Minho. Núcleo de Estudos de Comunicação e Sociedade (NECS)	Comunicação e Sociedade, Vol 4, Pp 315-319 (2013))Crossref)null	Article	See results
The neural correlates of obsessive-compulsive disorder: a multimodal perspective		Translational Psychiatry)Crossref)null	Article	See results
3D printing with metals	Institution of Engineering and Technology (IET)	Crossref)null)Scopus - Elsevier	Article	See results
Changes in adiposity status from childhood to adolescence: A 6-year longitudinal study	Informa UK Limited	Crossref)null	Article	See results

Number of results: 7853

Filters: REPOSITORYIDENTIFIER: OPENDOAR:307

Details

Date run

2021-01 to 2021-02
Period covered



Usage Statistics in Explore



SEARCH DEPOSIT LINK CONT

Institutional Repository
RepositoriUM
Universidade do Minho: RepositoriUM
Web page: <https://repositorium.sdum.uminho.pt/>
OPENAIRE PUBLREPOS V4.0

SUMMARY	RELATED CONTENT PROVIDERS	PUBLICATIONS 22,122	RESEARCH DATA 26	OTHER RESEARCH 748	STATISTICS
----------------	---------------------------	-------------------------------	----------------------------	------------------------------	----------------

Description
Repository of the University of Minho, Portugal.

Latest data aggregation: Mar 15, 2021

Subjects
Science General, Technology General, Arts and Humanities General, Social Sciences General

2,634,579

659,436 Downloads	532 OpenAIRE views	1,974,611 Total views
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from OpenAIRE via HighCharts (date: 5/4/2021)

[OpenAIRE UsageCounts](#)

Powered by [OpenAIRE Research Graph](#). Last update of records in OpenAIRE: Mar 19, 2021

Any information missing or wrong? [Report an Issue](#)



Usage Statistics in Explore

Publication . Article . 2016

O impacto dos acontecimentos significativos no processo terapêutico: Um estudo de caso de sucesso

Andriza Saraiva Corrêa; Eugénia Ribeiro; Sara Costa;

[OPEN ACCESS](#) [PORTUGUESE](#)

Published: 01 Jan 2016

Publisher: Instituto Superior de Psicologia Aplicada

Country: Portugal

LINK THIS PUBLICATION TO...

CITE THIS PUBLICATION

184

90	4	90
Downloads	OpenAIRE views	Total views
FROM	VIEWS	DOWNLOADS
Repositório do ISPA	70	79
Universidade do Minho: RepositoriUM	20	11

SUMMARY

REFERENCES
33

Abstract

This study aimed to describe the therapy significant events' impacts, identified by the client and the therapist throughout a good outcome case. We used a methodology of case study with an adult client diagnosed with personality disorder and followed in cognitive-behavioral therapy. The Portuguese version of the Helpful Aspects of Therapy questionnaire was administered over all sessions to collect the significant events and their helpful impacts. We categorized the type of impact using a system of thematic categories, based on literature. The results showed that impacts, identified by the therapist and the client, were different. Whereas for the therapist these impacts...

[Read more](#)

DOI: [10.14417/ap.1088](https://doi.org/10.14417/ap.1088)

Subjects

FREE TEXT KEYWORDS: Case study, Categories of impact, Significant events, Acontecimentos significativos, Categorias de impacto, Estudo de caso

Related Organizations

University of Minho
Portugal

Instituto Superior de Psicologia Aplicada
Portugal

Article
Provided by OpenAIRE UsageCounts

[Repositório do ISPA](#)

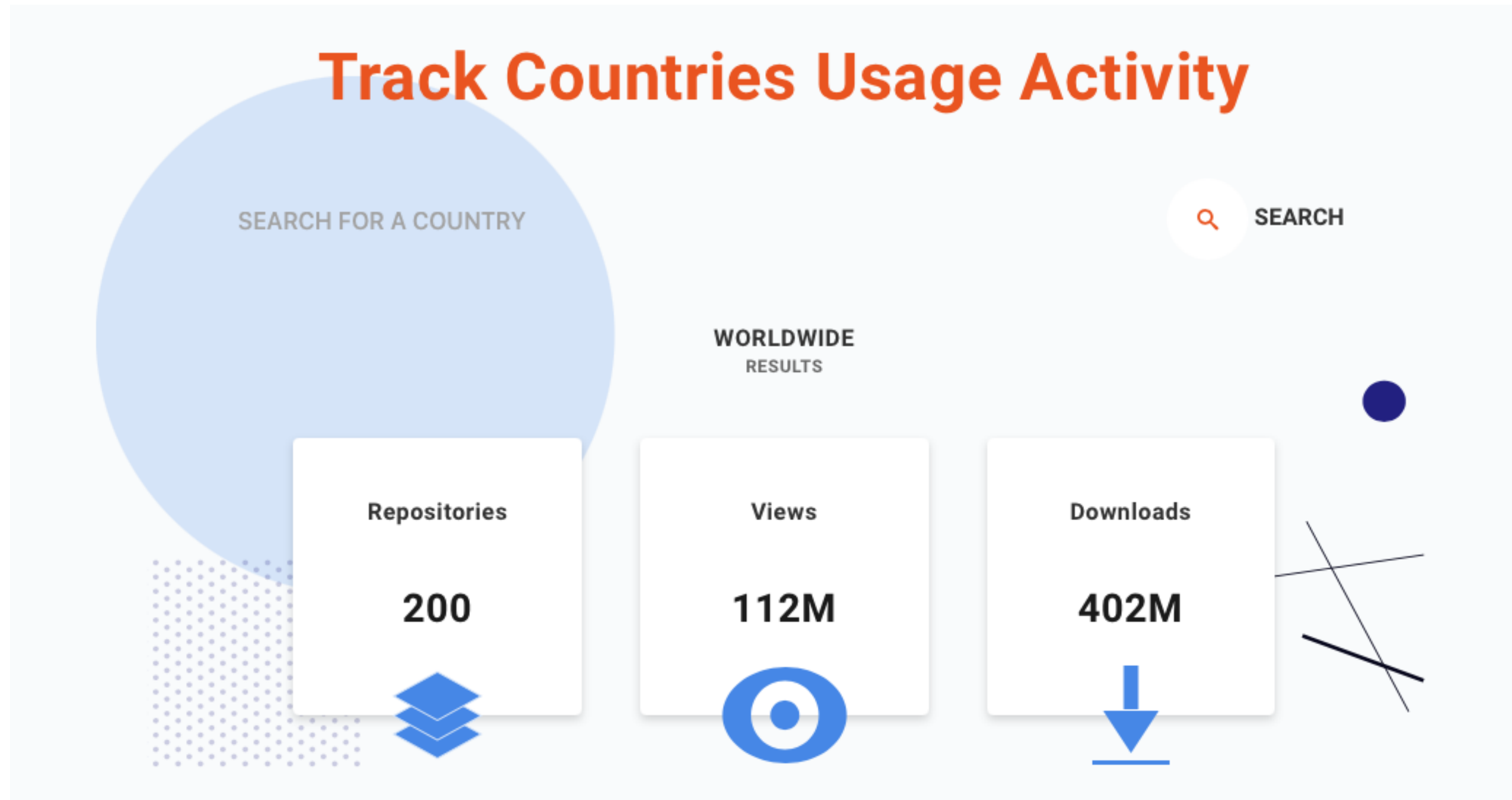
Article . 2016
Provider: Repositório do ISPA

[Universidade do Minho: RepositoriUM](#)

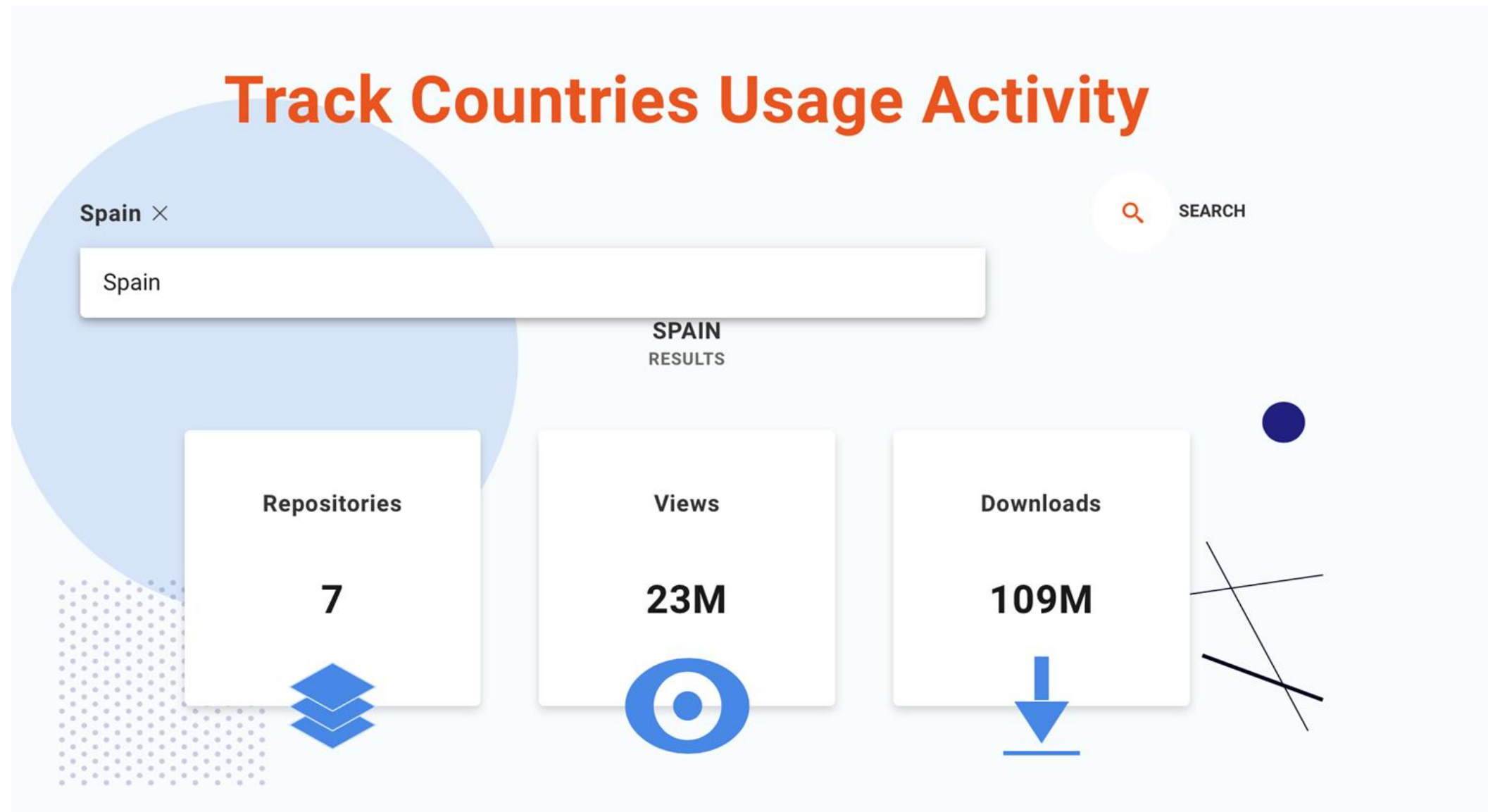
Article . 2016
Provider: Universidade do Minho: RepositoriUM

[View more](#)

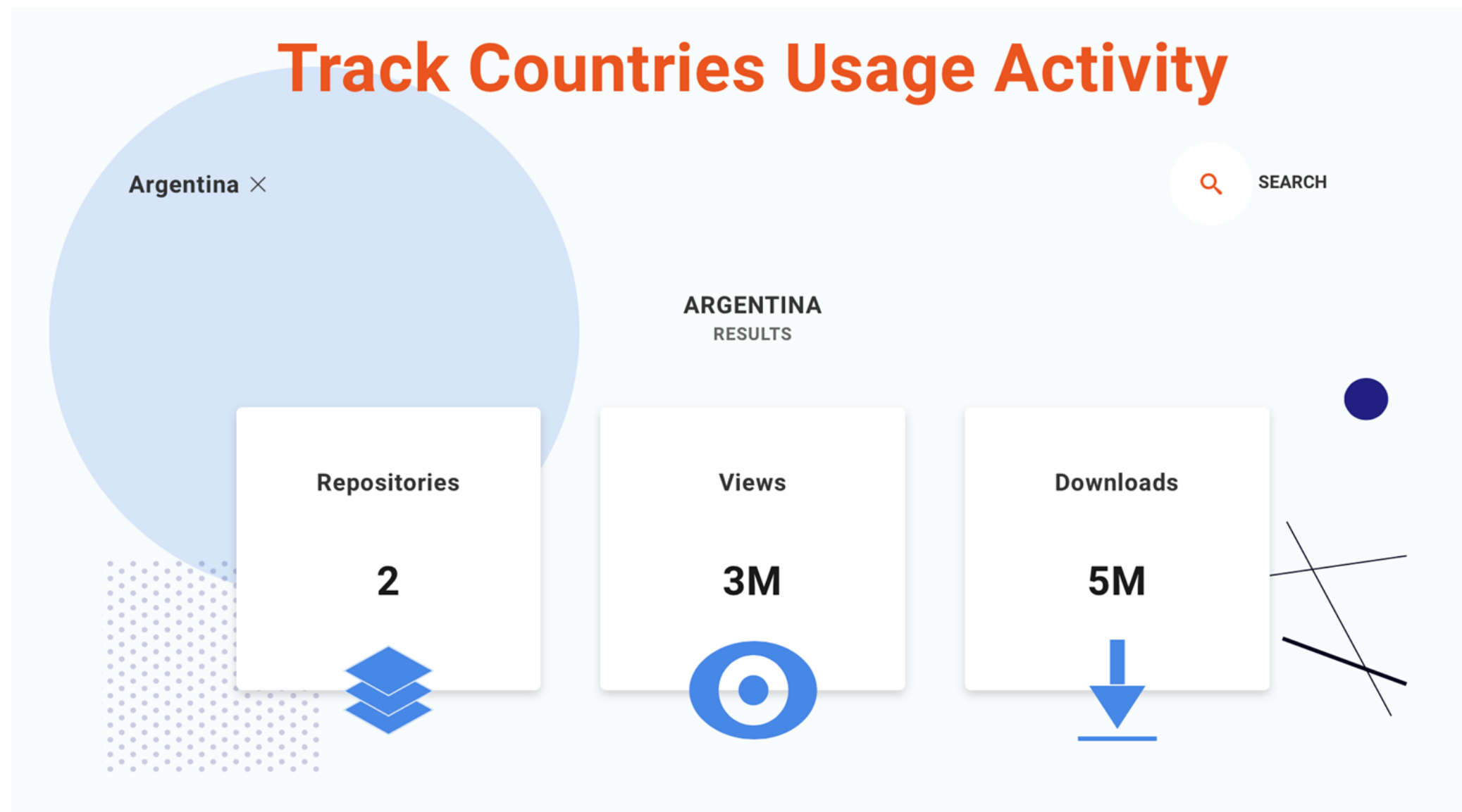
UsageCounts Portal



UsageCounts Portal

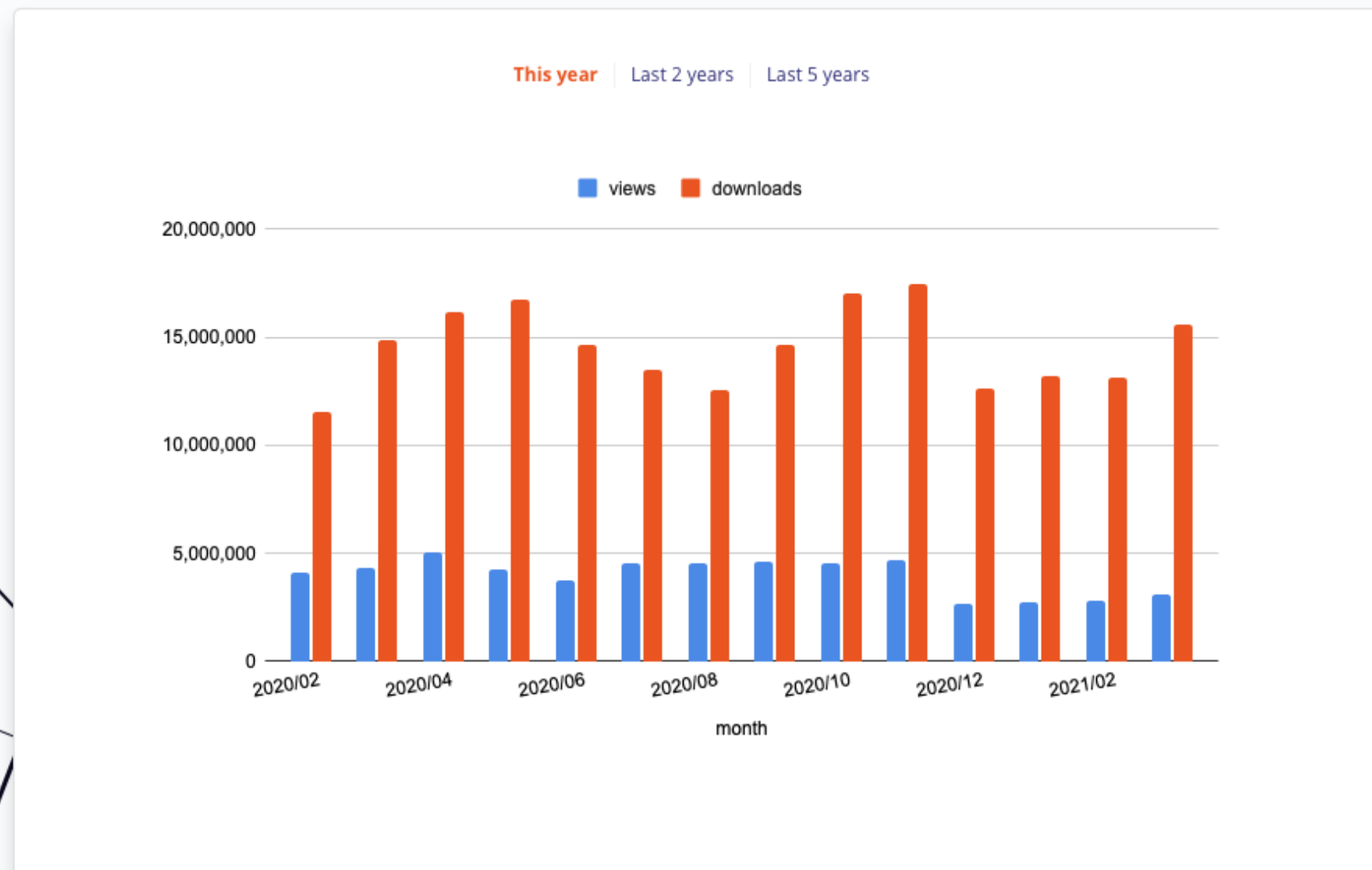


UsageCounts Portal

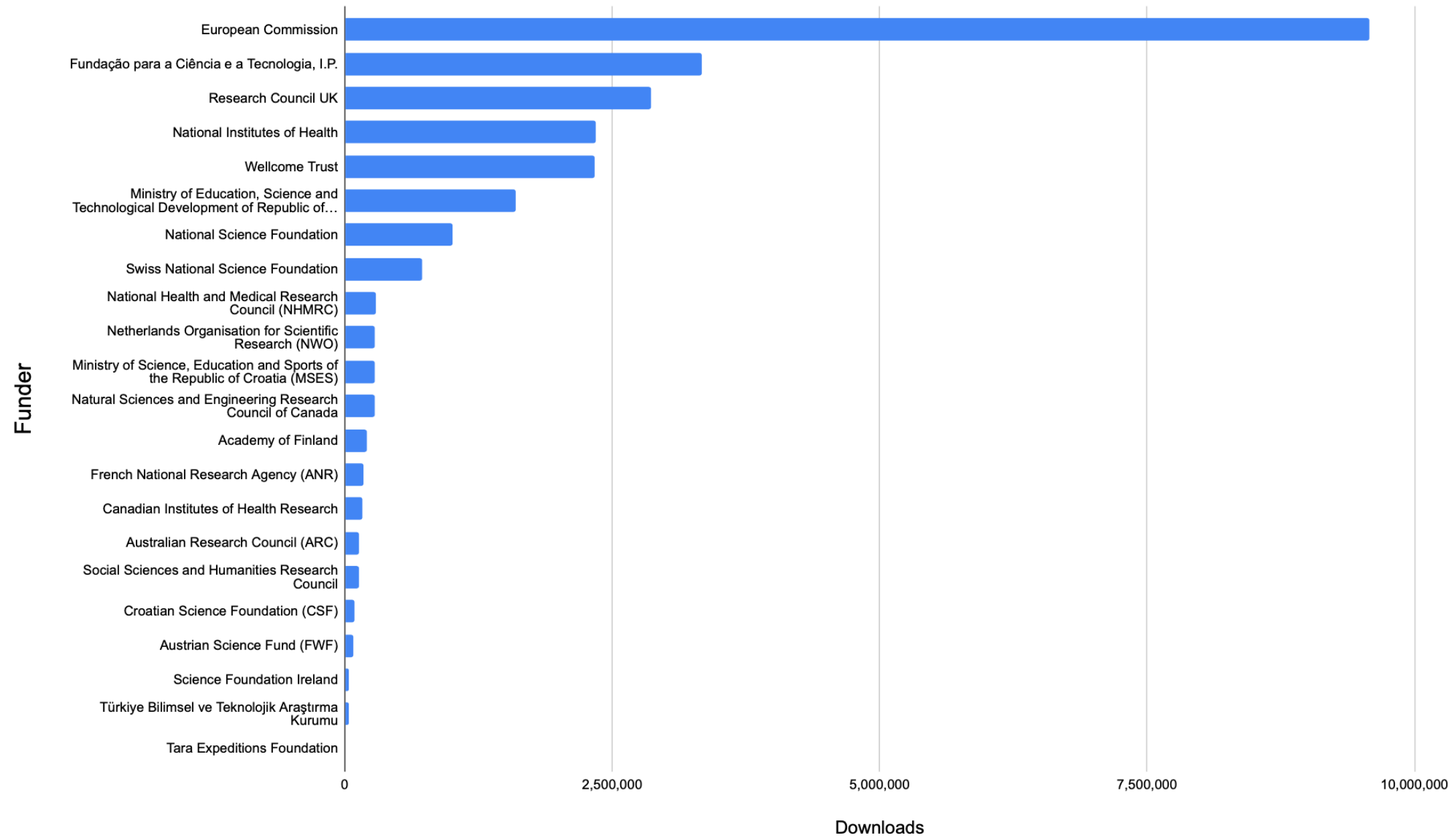


UsageCounts Portal

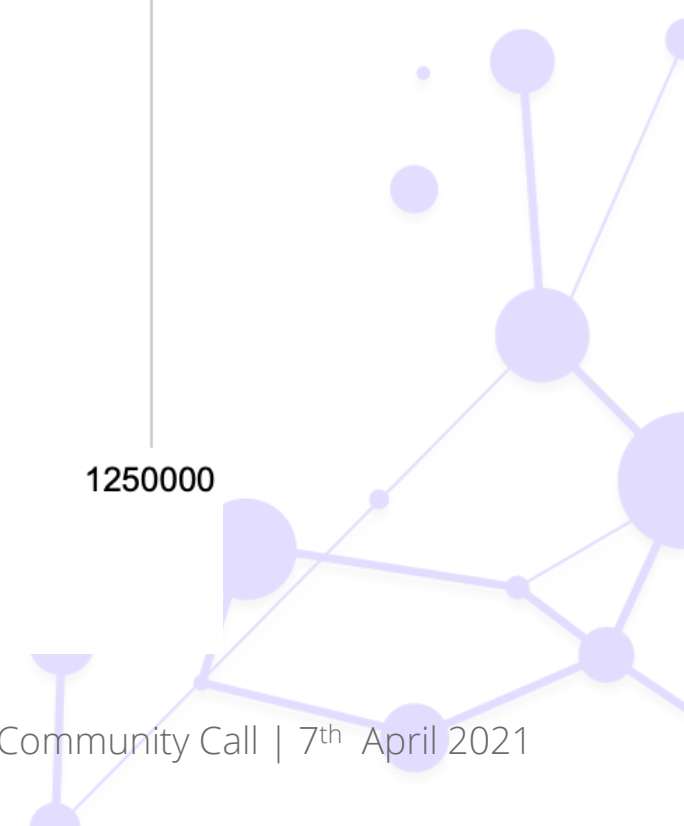
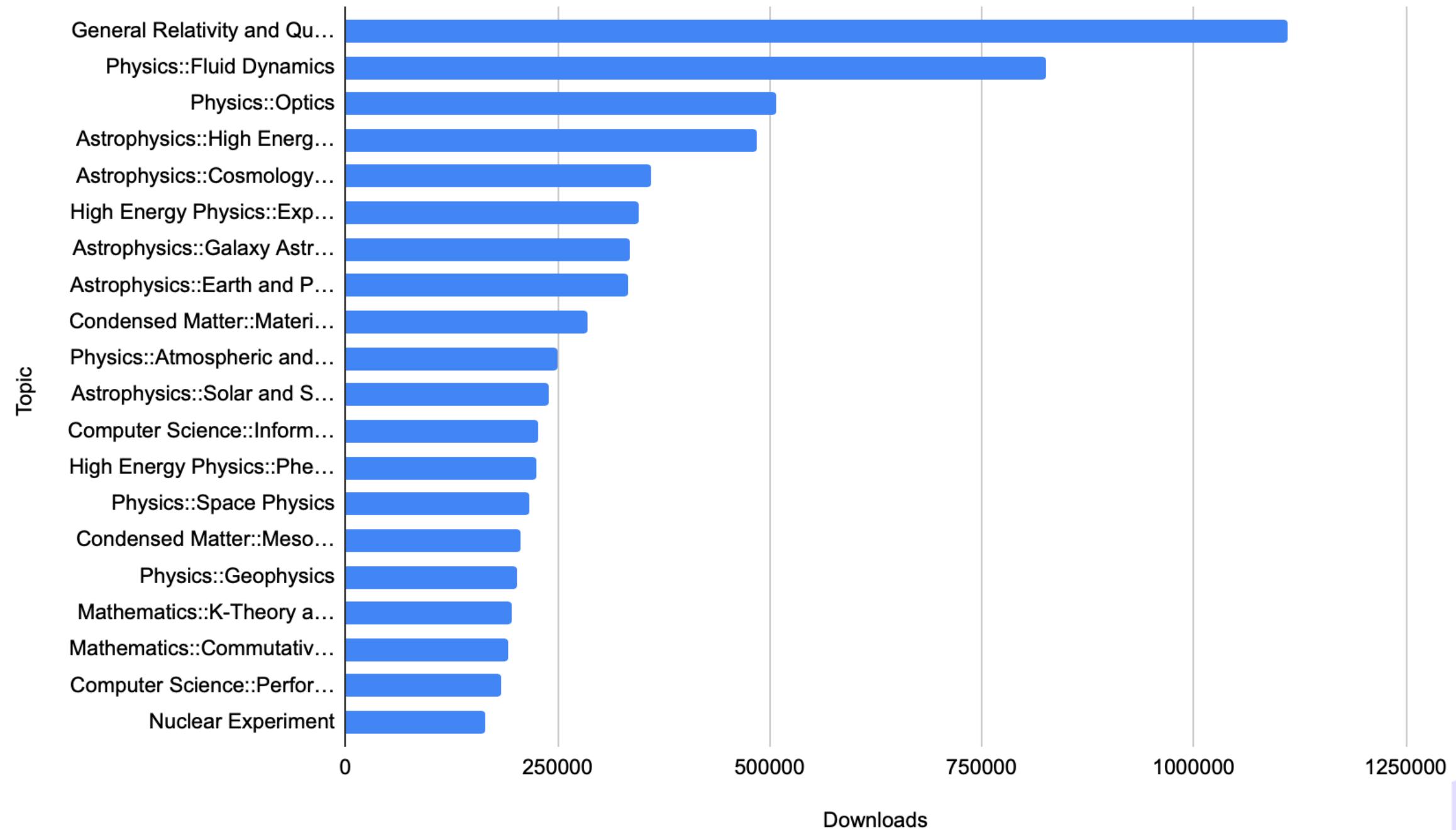
Worldwide Monthly Views & Downloads



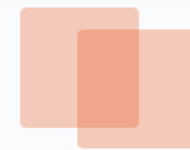
UsageCounts Analytics




UsageCounts Analytics



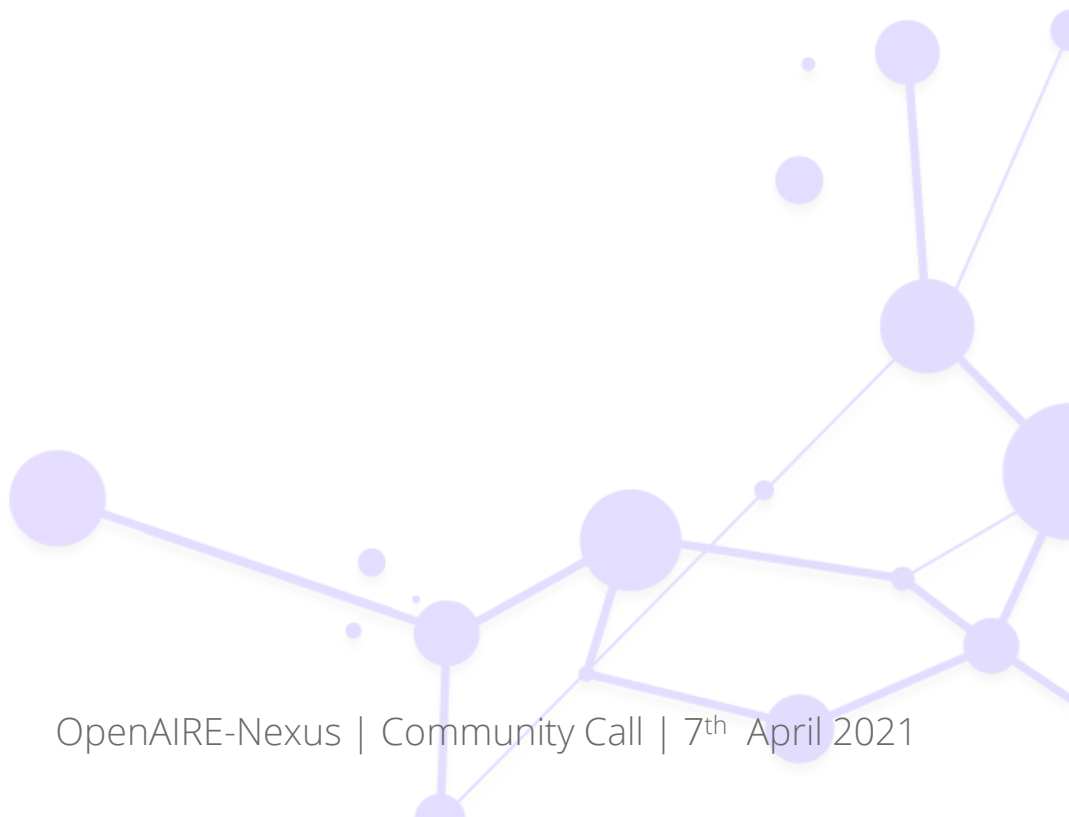
UsageCounts APIs



APIs and Reports

A variety of reports generated via OpenAIRE UsageCounts Service are available via a SUSHI-Lite Endpoint. The reports comply with [COUNTER CoP Release 4](#). 

- **AR-1 - Article Report 1.** This report enables you to view the number of successful article download requests by month and repository. There are filtering options to limit the results to a selected journal or repository. It can provide results for an individual month or over a number of months and can be output in JSON format.
- **IR-1 - Item Report 1.** This report enables you to view the number of successful item download requests by month and repository identifier. There are filtering options to limit the results to a selected item or repository identifier or item data type. It can provide results for an individual month or over a number of months and can be output in JSON format.
- **JR-1 - Journal Report 1.** This report enables you to view the number of successful full-text article requests by month and journal. There are filtering options to limit the results to a selected journal or item data type. It can provide results for an individual month or over a number of months and can be output in JSON format.
- **RR-1 - Repository Report 1.** This report enables you to view the number of successful item downloads for all repositories participating in the usage statistics service. There are filtering options to limit the results to a repository identifier or selected item type. It can provide results for an individual month or over a number of months and can be output in JSON format.
- **BR-1 - Book Report 1.** This report enables you to view the number of successful book title requests by month and title. There are filtering options to limit the results to a repository identifier or selected item identifier. It can provide results for an individual month or over a number of months and can be output in JSON format.
- **BR-2 - Book Report 2.** This report enables you to download the number of successful book section requests by month and title. There are filtering options to limit the results to a repository identifier or selected item identifier. It can provide results for an individual month or over a number of months and can be output in JSON format.



COUNTER Reports

```
- {  
  - ItemIdentifier: [  
    - {  
      Type: "OpenAIRE",  
      Value: "opendoar_____:8e98d81f8217304975ccb23337bb5761"  
    },  
    - {  
      Type: "OpenDOAR",  
      Value: "307"  
    },  
    - {  
      Type: "URL",  
      Value: "https://repositorium.sdum.uminho.pt/"  
    }  
  ],  
  ItemPlatform: "Universidade do Minho: RepositoriUM",  
  ItemDataType: "Platform",  
  - ItemPerformance: [  
    - {  
      - Period: {  
        Begin: "2017-01-01",  
        End: "2017-01-31"  
      },  
      - Instance: [  
        - {  
          MetricType: "ft_total",  
          Count: "22087"  
        },  
        - {  
          MetricType: "abstract",  
          Count: "51685"  
        }  
      ],  
      Category: "Requests"  
    }  
  ],  
}
```

```
- Report: {  
  @Created: "2017-09-06 08:00:21+0000",  
  @Version: "4",  
  @Name: "IR1:4",  
  - Vendor: {  
    - Contact: {  
      Contact: "OpenAIRE Helpdesk",  
      E-mail: "helpdesk@openaire.eu"  
    },  
    Name: "OpenAIRE"  
  },  
  - Customer: {  
    ID: "anonymous",  
    - ReportItems: [  
      - {  
        - ItemIdentifier: [  
          - {  
            Type: "OpenAIRE",  
            Value: "dedup_wf_001:0233282d03f7f027b5c08890501849ef"  
          },  
          - {  
            Type: "URLs",  
            Value: "http://hdl.handle.net/1822/7975 ;http://hdl.handle.net/1822/7463 ;http://europepmc.org/articles/PMC2268319 ;"  
          },  
          - {  
            Type: "OAI",  
            Value: "oai:europepmc.org:1834183"  
          }  
        ],  
        ItemPublisher: "American Society for Microbiology",  
        ItemPlatform: "Universidade do Minho: RepositoriUM",  
        ItemDataType: "Article",  
        ItemName: "Adaptive evolution of a lactose-consuming Saccharomyces cerevisiae recombinant",  
        - ItemPerformance: [  
          - {  
            - Period: {  
              Begin: "2017-01-01",  
              End: "2017-01-31"  
            },  
            - Instance: [  
              - {  
                MetricType: "ft_total",  
                Count: "1"  
              },  
              - {  
                MetricType: "abstract",  
                Count: "4"  
              }  
            ],  
            Category: "Requests"  
          }  
        ],  
      }  
    ],  
  }  
}
```

COUNTER R5 Reports

https://beta.services.openaire.eu/usagestats_r5/

Supported Reports

Status Report

Members Report

COUNTER R5 Reports List

COUNTER PR

COUNTER PR_P1

COUNTER IR

COUNTER Datasets Report



Recap

- Usage Counts provides **standards** for **usage statistics** exchange for almost all type of content providers and platforms.
- Complies to COUNTER Code of Practice for reliable and comparable **reports**.
- Follows **GDPR** guidelines.
- Offers **global** coverage.
- Supports **analysis** via APIs and **visualizations**.
- For more information:
 - usagecounts.openaire.eu

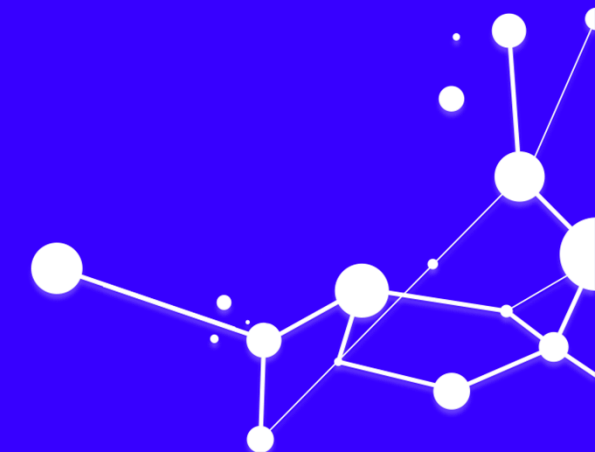




@openaire_eu
#OpenAIRE-Nexus

THANK YOU



Dimitris Pierrakos
dpierrakos@athenarc.gr



AGENDA:



Community Calls

 Upcoming calls & Agendas	 Notes & Recordings
2019 +	2019 +
2020 +	February 5th, 2020 +
February 3rd, 2021 +	March 4th, 2020 +
March 3rd, 2021 +	April 1st, 2020 +
April 7th, 2021 +	May 6th, 2020 +
May 5th, 2021 +	July 1st, 2020 +
June 2nd, 2021 +	October 7th, 2020 +
July 7th, 2021 +	November 4th, 2020 +
	December 2nd, 2020 +
	February 3rd, 2021 +
	March 3rd, 2021 +
	April 7th, 2021 +

#OpenAIREprovidecommunity

Join us!

Subscribe to our newsletter!

OpenAIRE Content Providers Newsletter April 2021

If you can't see this e-mail, view it online

OpenAIRE

Content Providers News

Join the 13th OpenAIRE Content Providers Community Call

Upcoming meeting: 7th of April at 14h30 CEST

OpenAIRE runs a series of regular online community calls for all OpenAIRE content provider managers that can catch up with latest OpenAIRE services enhanced, express interest and queries on the topics under discussion and of course provide feedback. It is a great opportunity to present and discuss recent developments, OpenAIRE, upcoming releases from the PROVIDE related services and other related topics. Through the calls OpenAIRE provides clear and accurate information on infrastructure and service developments.

OpenAIRE PROVIDE

“OpenAIRE CONTENT PROVIDERS COMMUNITY CALLS”

Are you a content provider? Got questions? Come and learn more! OpenAIRE is running a series of regular online community calls targeting all OpenAIRE content providers managers.

Every month, on the first Wednesday 14h30 CET

Upcoming releases
Questions and comments
Recent developments

The main topic of the upcoming meeting will be about the OpenAIRE UsageCounts, the analytics service of OpenAIRE Research Graph. It will focus on presenting the latest developments that ensure better stability and quality of service for the end user.

The Community calls are open to all OpenAIRE content provider managers and we welcome any feedback from users.

New command line client to access the OpenAIRE Broker enrichments

Available on GitHub

The OpenAIRE Broker service is a powerful tool that enables content providers to enrich research results with additional metadata. A recent development is the built of a new command line client to access notification records from the OpenAIRE Broker public API.

What's new: Until now, the enrichments were only made available as notifications in the Content Provider Dashboard, but from now on, are also accessible through the Broker Service API for programmatic access.

How to use: The first version of the Java-based command line client is on GitHub, and the produced files can be used as input to the Data correction service for DSpace7/DSpace-CRIS 7 developed by 4Science in the context of the OpenAIRE-Advance Open Innovation Call.

Full documentation, GitHub links and installation instructions of the Data correction service are available here.

[Read more](#)

OpenAIRE BROKER

New Command line client to access notification records





Thank you!

www.openaire.eu/provide-community-calls