OpenAIRE Usage Counts Service

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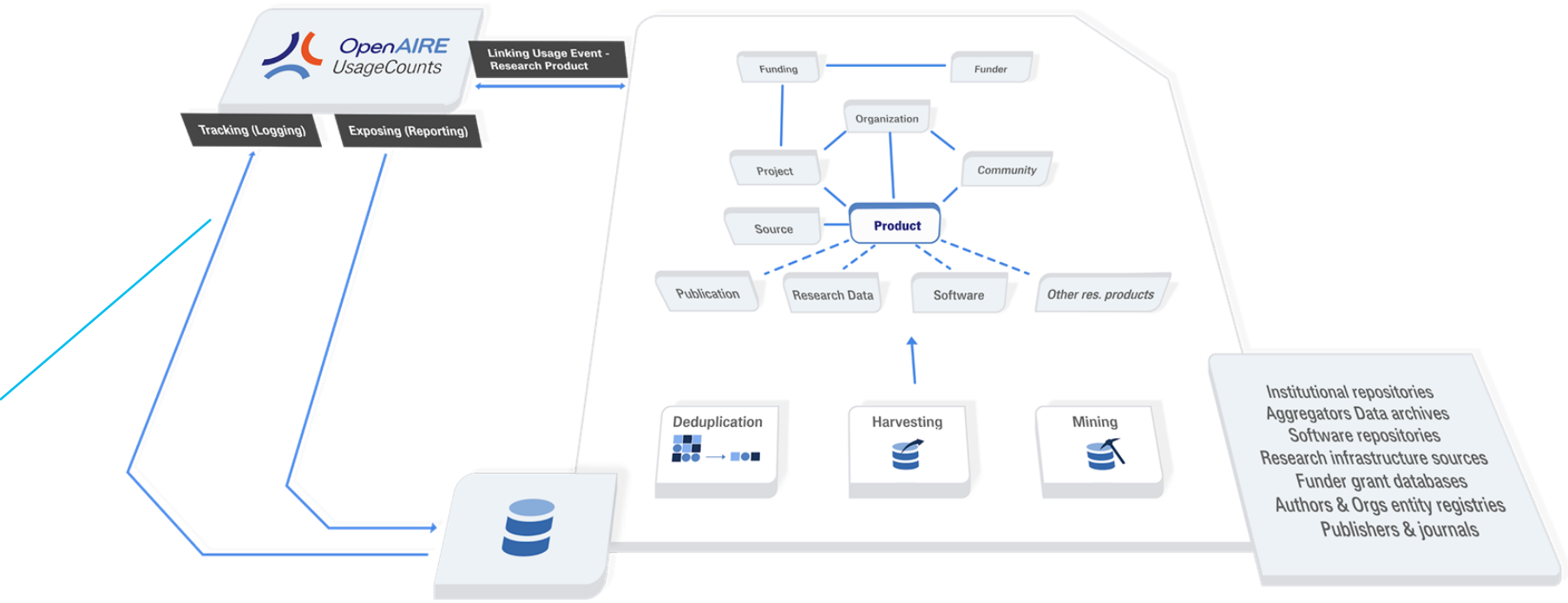
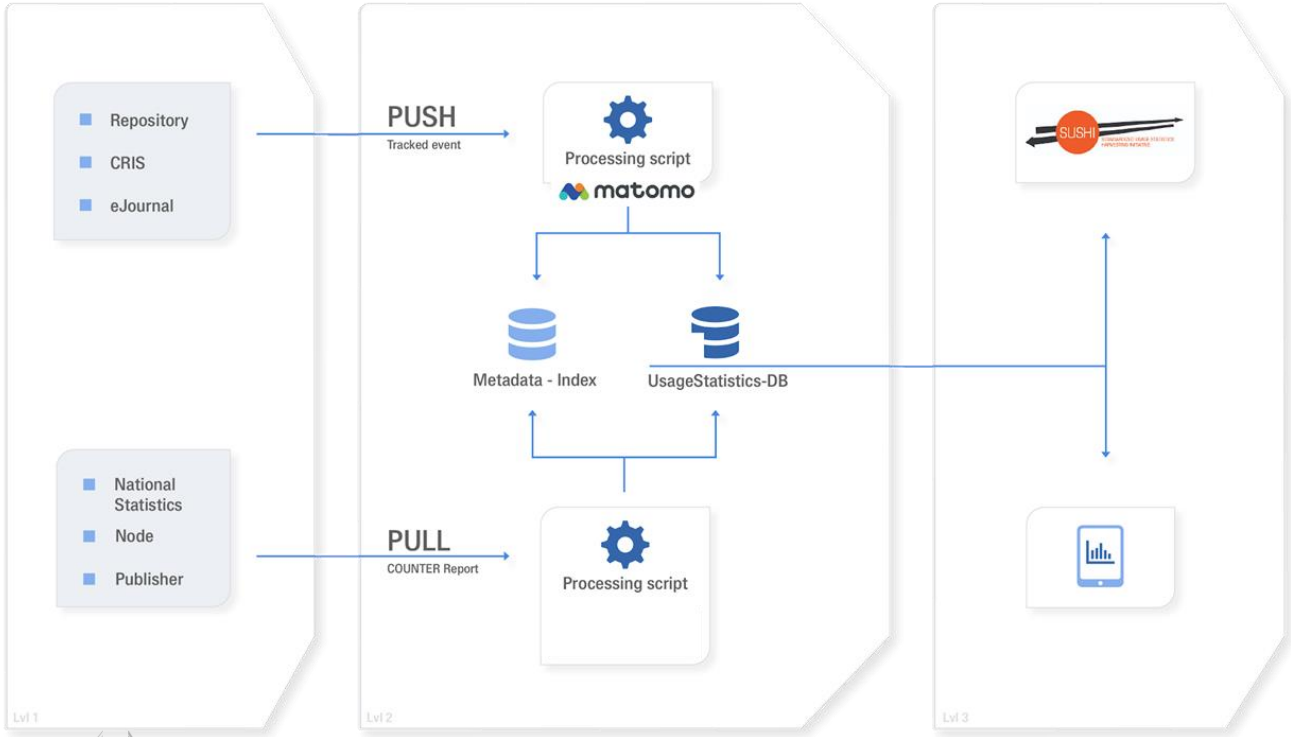
A quick overview

- Introduction to the service
- How can you join
- How can you get results

Usage Counts in OpenAIRE's e-infrastructure



Architecture and Workflows for Usage Counts



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Usage Counts Service Features

Tracking of views and downloads (PUSH)/ collecting COUNTER reports (Pull)

Anonymisation of IP-addresses.

Metadata de-duplication enables accumulation of views and downloads for same documents

COUNTER Code of Practice compatibility.

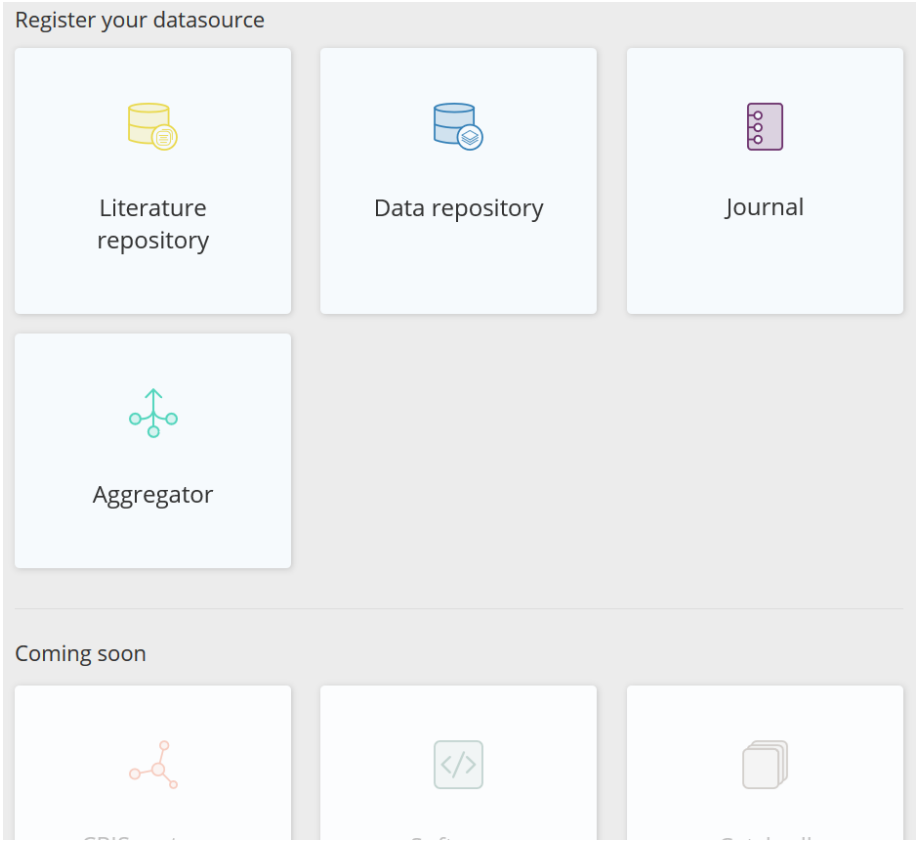
standards based usage statistics.

enables comparability with statistics from other data sources.

Usage Counts: Everything counts in large amounts

- Usage Counts: 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.
- Stakeholders: Authors, Institutions, OS platforms, Funders, etc.
  - “Which funder has the biggest engagement in Europe?”
  - “Provide me the evolution of the popularity of the publications of a project within the last 5 years.”
- Build inference/prediction models for topics, based on usage activity.
- Create user communities and make recommendations.
- Standardization needed.

Registration via the Provider's Dashboard



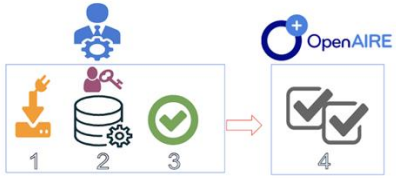
Metrics in the OpenAIRE Provide Dashboard

AHEAD

DASHBOARD | UPDATE | AGREGGATION HISTORY | ENRICHMENTS | USAGE STATISTICS

Metrics for AHEAD

You don't have metrics enabled for this repository yet. Would you like to enable them?



Usage stats enable workflow

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

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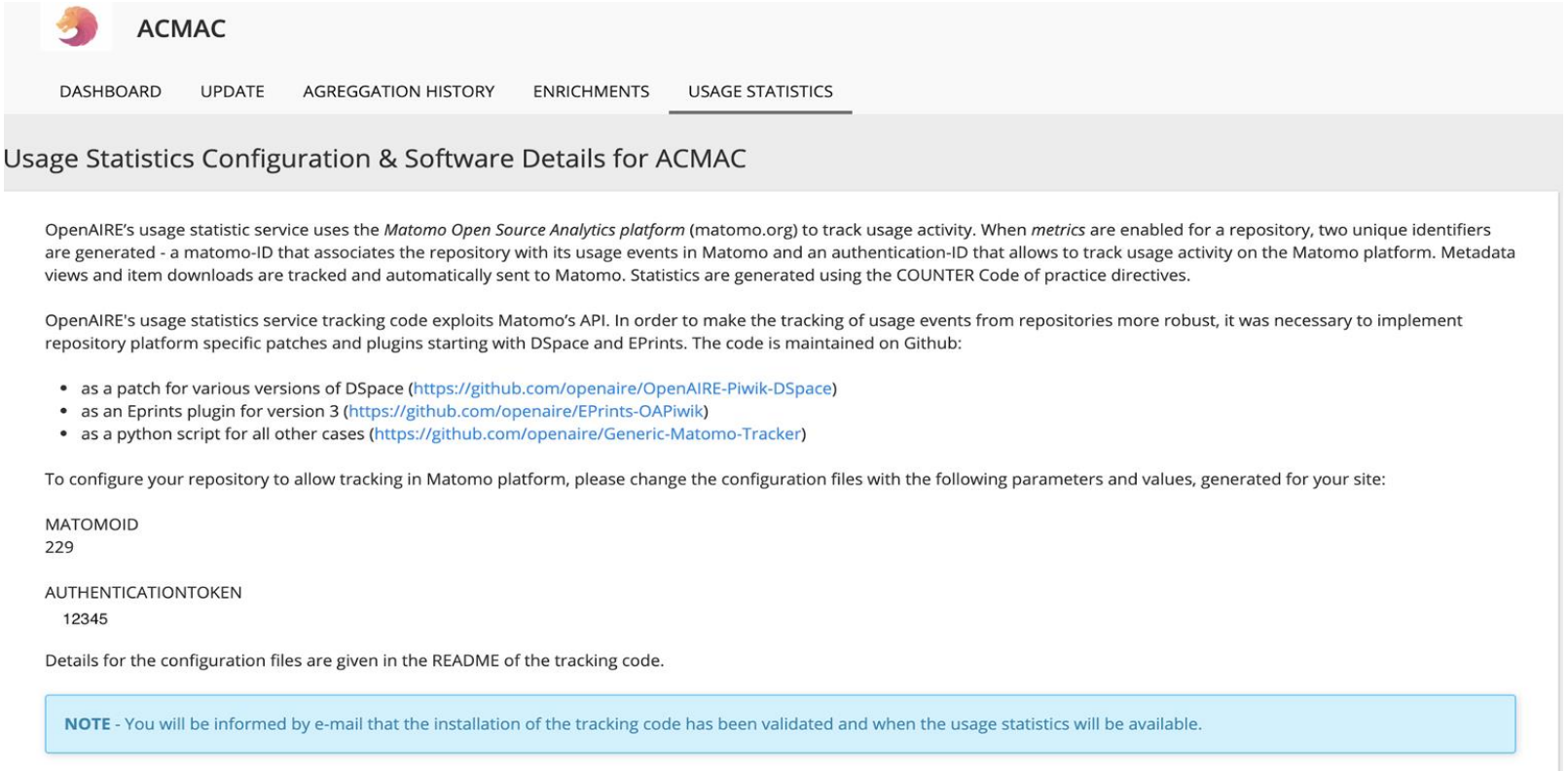
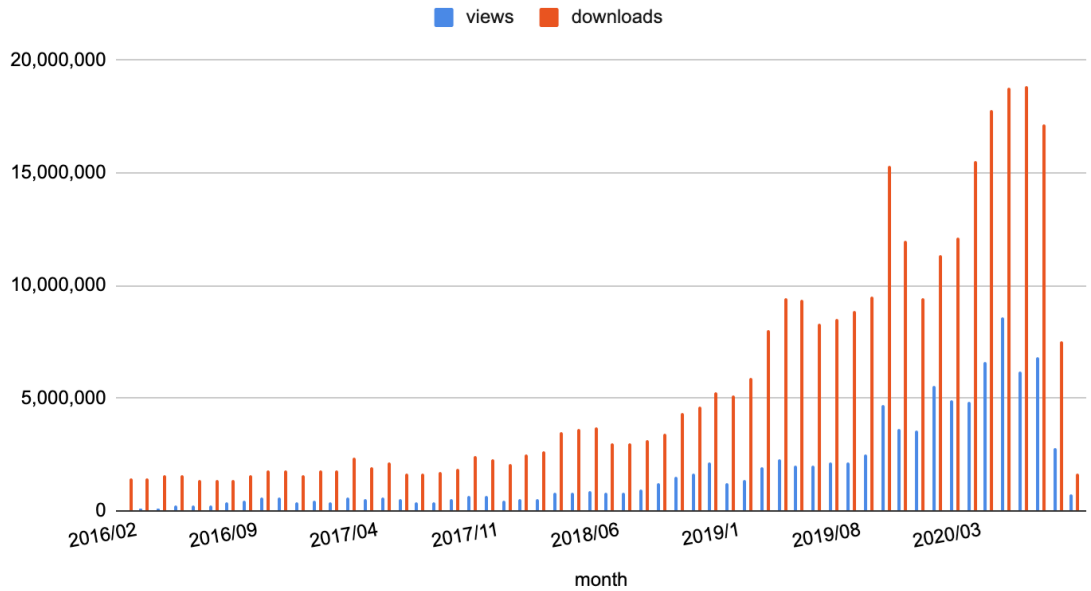
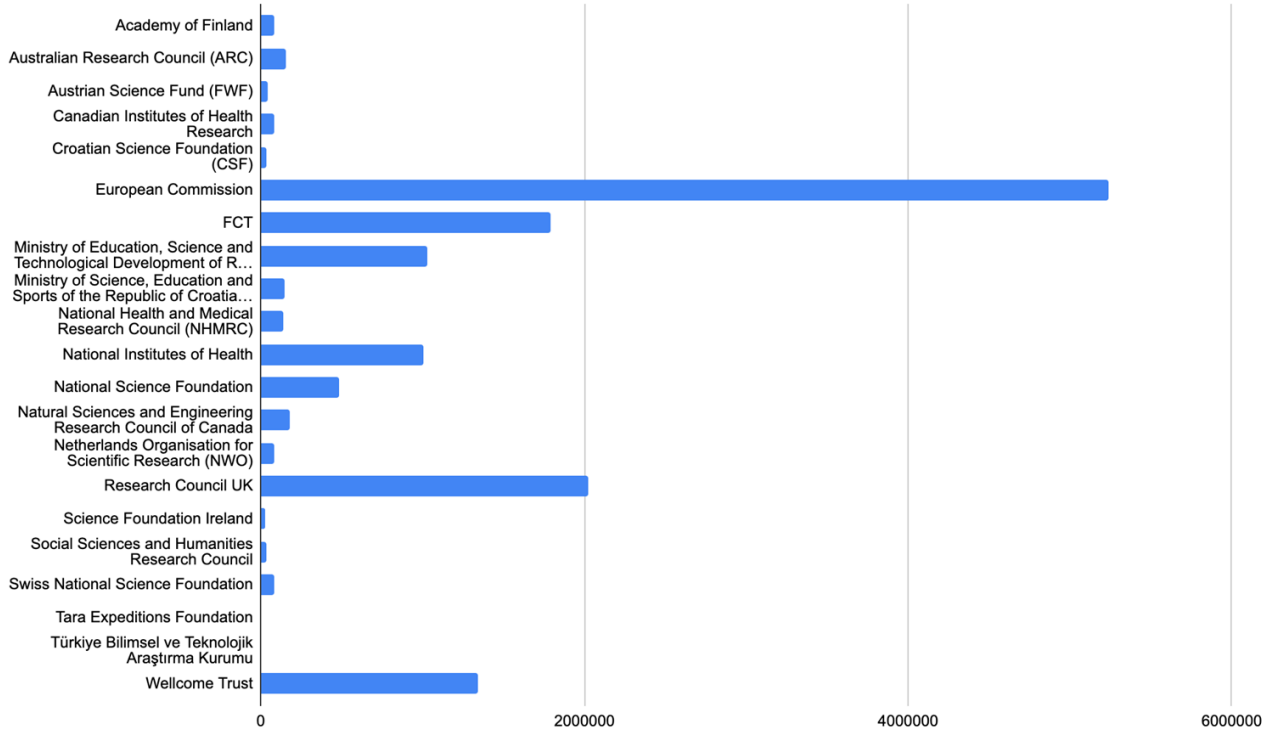
Enable Metrics for selected Datasource



OpenAIRE Views & Downloads



OpenAIRE Downloads for Funders



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Usage Counts in action

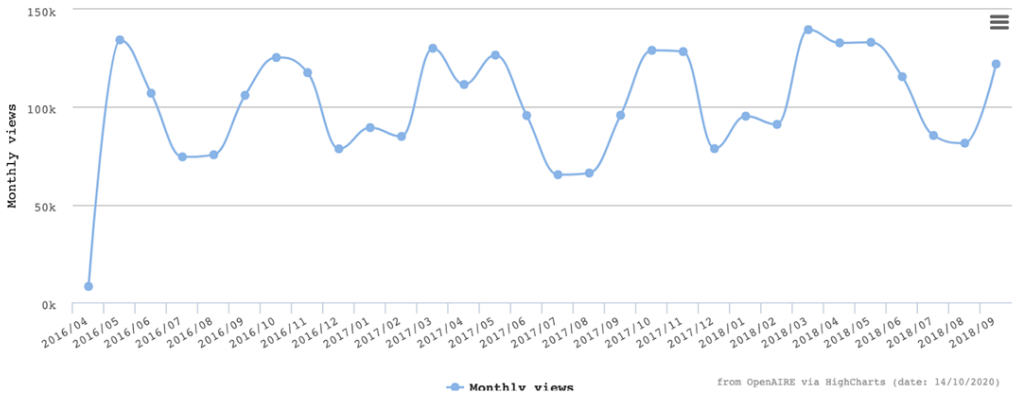
Universidade do Minho: RepositoriUM

Get statistics report

views in OpenAIRE
11,651

views in local repository
5,524,741 (22
from OpenAIRE)

downloads in local repository
2,116,158 (8
from OpenAIRE)



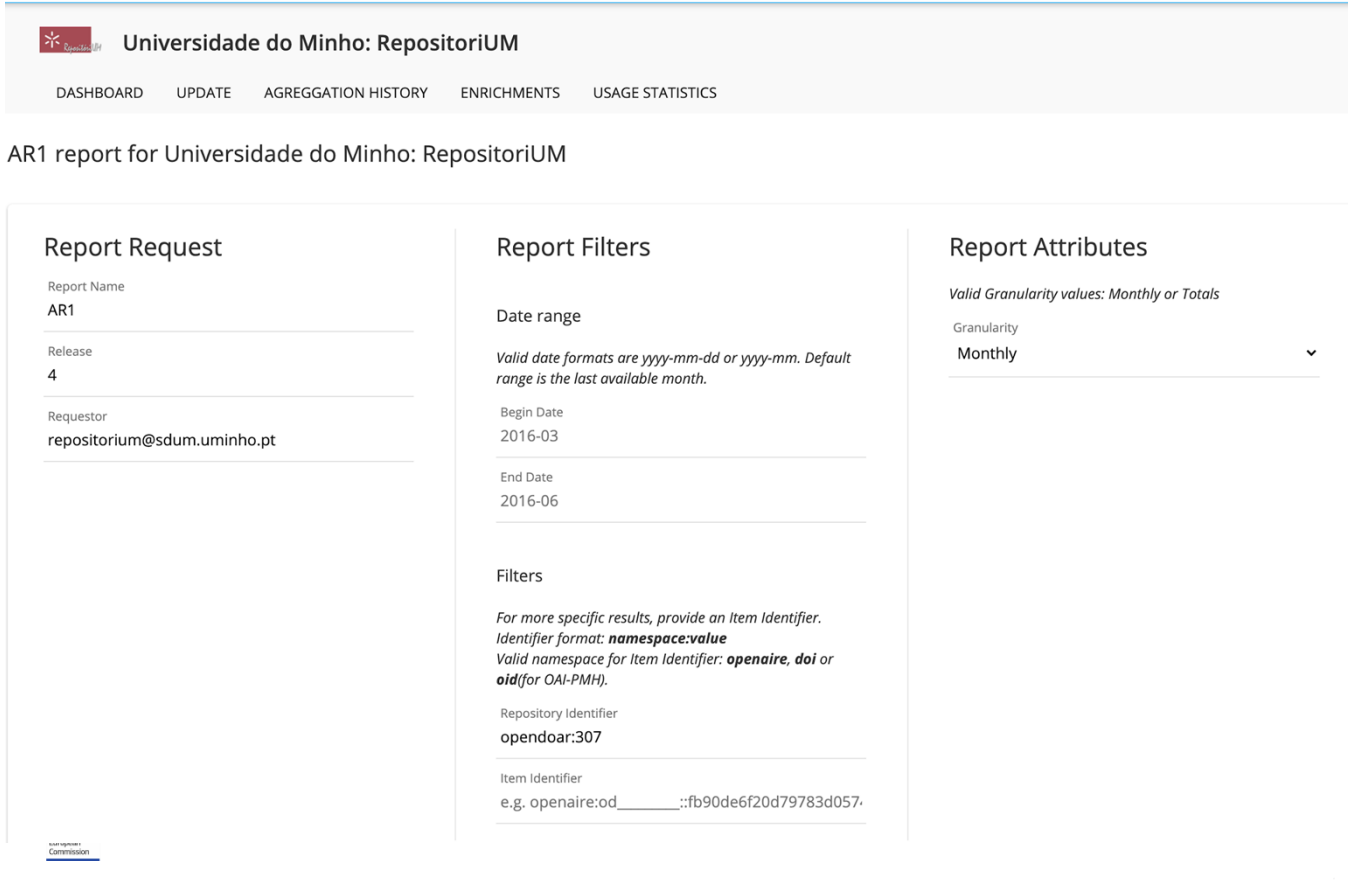
Info

This page provides you with information about views and downloads of items in your datasource.

The indicators are:

- **views** of your datasource items **in the OpenAIRE portal**
- **views of items** tracked from your datasource
- **number of downloads** tracked from your datasource

Usage Counts in Action



Retrieve Usage Statistics via API

based on 

http://services.openaire.eu/usagestats/sushilite/

Supports COUNTER R4 compatible reports:

- Article Reports (AR) and Book Reports (BR) using identifiers like *openaire, doi, oai-record-id*
- Item Reports (IR)
- Repository Reports (RR) using identifiers issued by OpenAIRE or OpenDOAR
- Journal Reports (JR) using identifiers like ISSN

COUNTER USAGE REPORTS RELEVANT FOR OPENAIRE

Repository Platform Report – RR1

Journal Report – JR1

Item Report – IR1

Article Report – AR1

Book Report – BR1

Book Chapter Report – BR2

Research Dataset Report tbc.

Research Software Usage Report tbc.

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SUSHI response example (JSON)

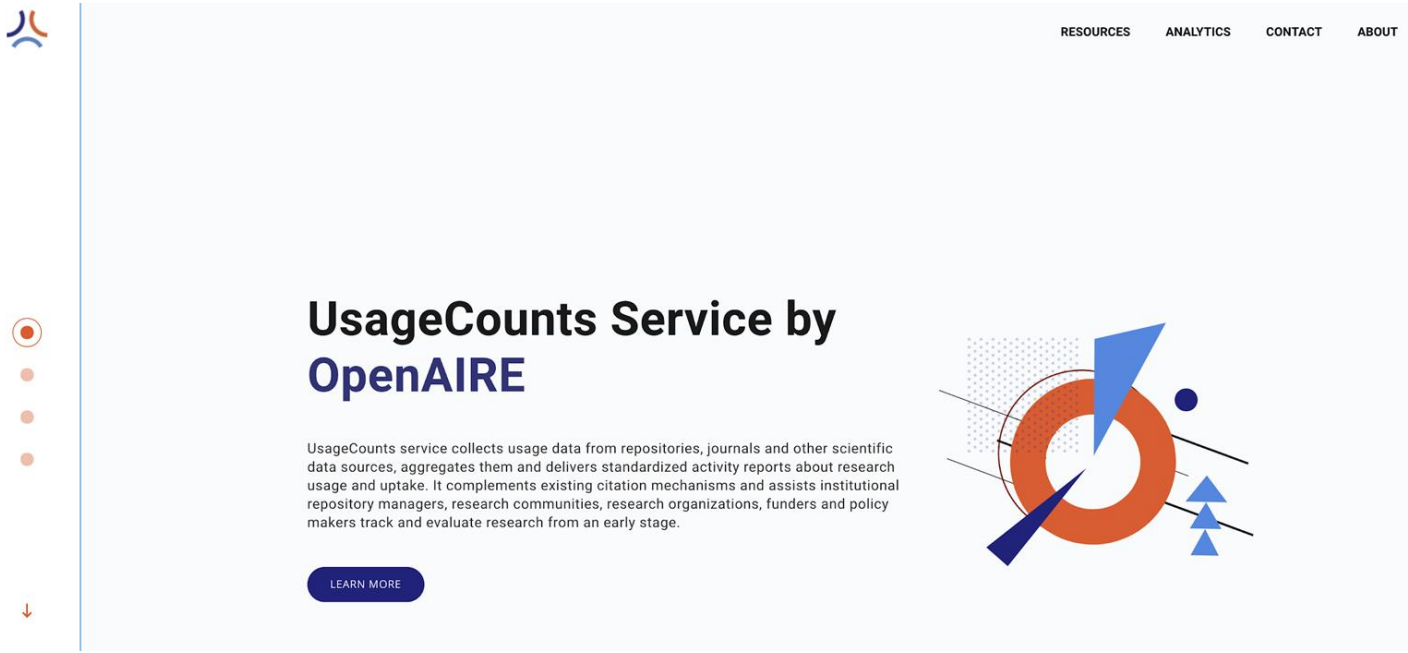
Repository Report


```
- {
   - 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"
        },
```


Item Report


```
- 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"
            },
```

OpenAIRE Usage Counts Portal



usagecounts.openaire.eu

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OpenAIRE Usage Counts Analytics

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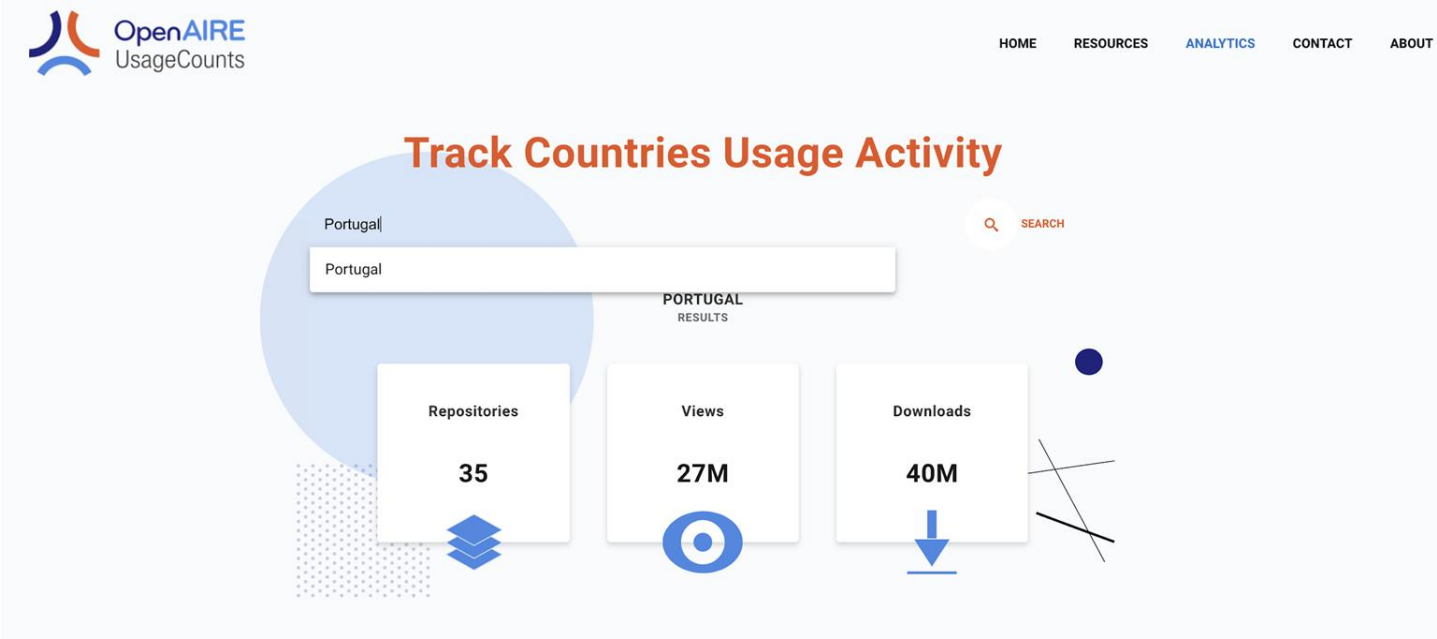

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New architecture design

Repository
Pushing events

Query methods

Repository
Pulling reports

…?

Hive/Impala tables

PUSH
tracked event

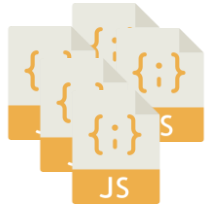
Hive processing
(Usage Statistics WF)

Matomo

Tables on JSON files
(logs & COUNTER reports)

PULL
COUNTER Report

processing script



processing script

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The Usage Counts service team

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Thank you!