A user journey in OpenAIRE services

through the lens of repository managers

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OpenAIRE

European Commission

OR2019 Workshop – 2nd part

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AGENDA

13:30 – **Welcome and introduction, Pedro Príncipe**

13:40 – **OpenAIRE catch-all Broker Service for literature and data repositories**

13:55 – **Dashboard for Content Providers: Open Science as-a-Service for repositories**

14:10 – **Dashboard demo and test drive (breakout groups)**

15:00-15:30 – Coffee break

15:30 – **OpenAIRE usage statistics service - overview of the service**

15:50 – **Service demo base on real case**

16:10 – **Collection workflows**

16:30 – **How to join OpenAIRE usage statistics, Tracking usage events**

16:45 – **Discussion**

17:00 – Closing

Workshops Topics – 2nd part

1) OpenAIRE catch-all Broker Service for literature and data repositories

2) Dashboard for Content Providers: Open Science as-a-Service for repositories

>>> 14:10 – Dashboard demo and test drive (breakout groups)

3) OpenAIRE usage statistics service - overview of the service

4) Service demo base on real case & Collection workflows

5) How to join OpenAIRE usage statistics, Tracking usage events

>>> Discussion

SLIDES HERE:

bit.ly/openaire_or2019

http://box.openaire.eu/index.php/s/V9xSCykE5okIxMC

OpenAIRE

European Commission

1
Broker Service

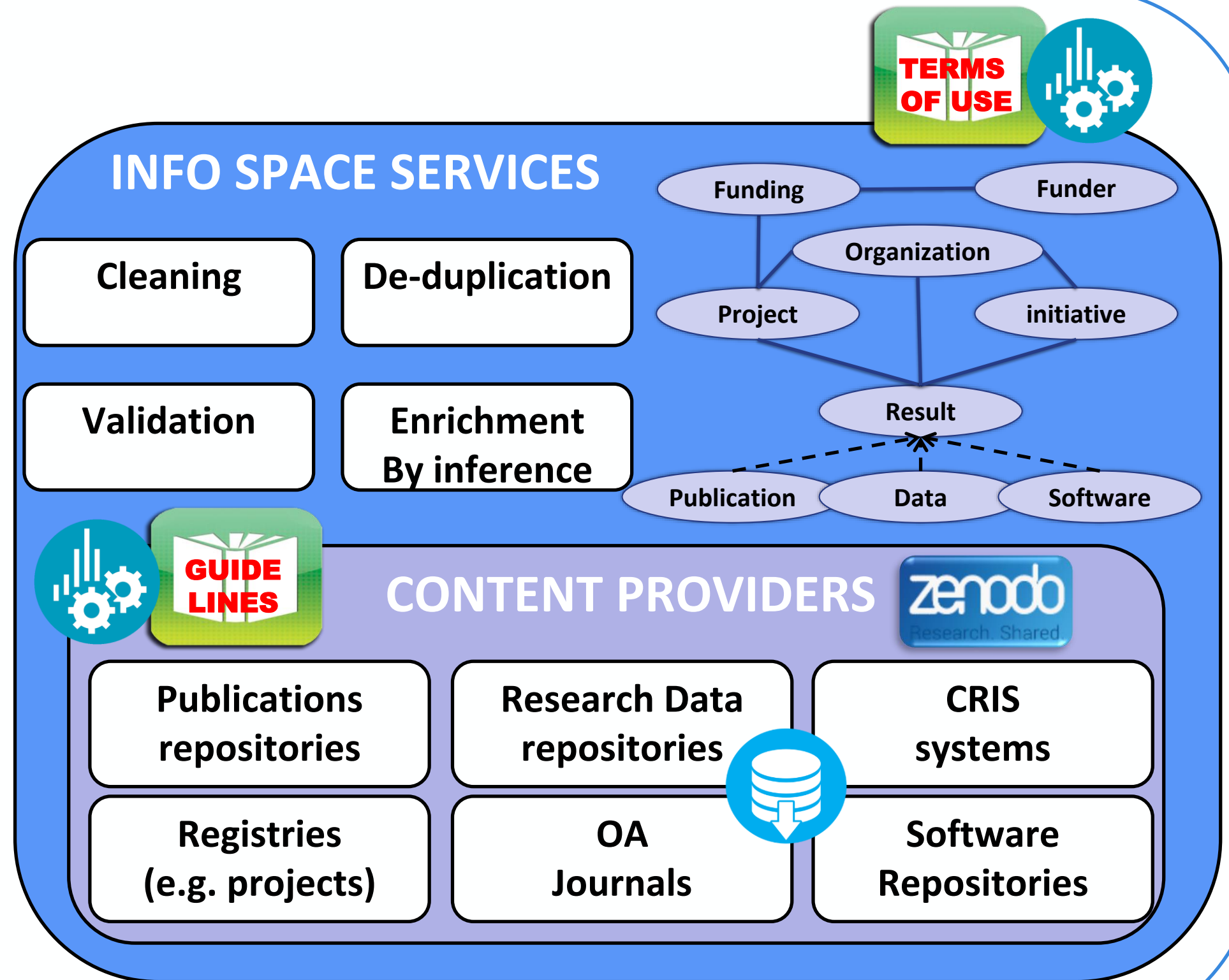**Catch-all broker for content providers**

OpenAIRE's e-infrastructure Commons – BROKER CONCEPT

Repositories in OpenAIRE may be interested to acquire metadata information about **publications** that are

"potentially of interest to them"

i.e. be part of their collection: add **new records, enrich the records** *with* **extra metadata** *information.*

INFO SPACE SERVICES

Cleaning

De-duplication

Validation

Enrichment By inference

Funding

Funder

Organization

Project

initiative

Result

Publication

Data

Software

TERMS OF USE

GUIDE LINES

CONTENT PROVIDERS

zenodo

Publications repositories

Research Data repositories

CRIS systems

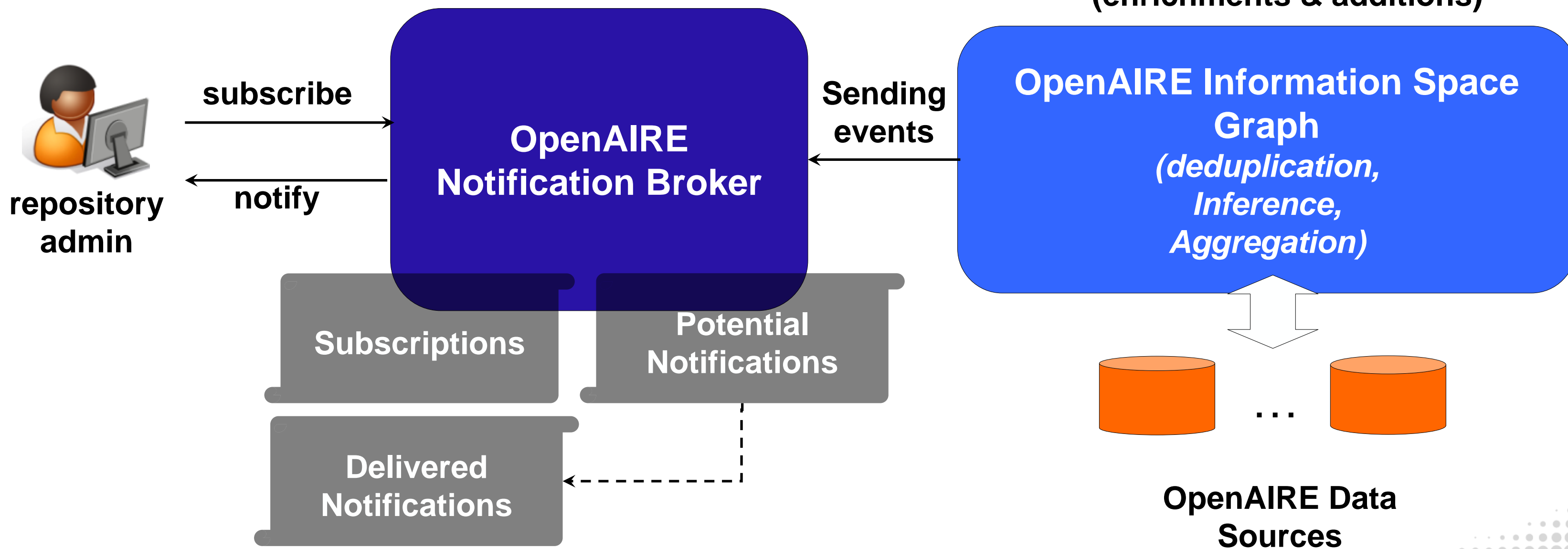Registries (e.g. projects)

OA Journals

Software Repositories

OpenAIRE Broker sketch

Event (potential notification):
- *Message*
- *Topic*
- *TargetRepository*
- *Trust*

Identifying "events" relevant to repositories (enrichments & additions)

OpenAIRE Information Space Graph *(deduplication, Inference, Aggregation)*

OpenAIRE Notification Broker

Sending events

subscribe

notify

repository admin

Subscriptions

Potential Notifications

Delivered Notifications

. . .

OpenAIRE Data Sources

Enrichments events from the broker service

✓ **ENRICH/MISSING/PROJECT - OpenAIRE discovered references to research projects that can be associated to your publications**

✓ **ENRICH/MISSING/OPENACCESS_VERSION - OpenAIRE discovered Open Access versions of your publications**

✓ **ENRICH/MISSING/PID - OpenAIRE discovered missing persistent identifiers associated to your publications**

✓ **ENRICH/MISSING/ABSTRACT - OpenAIRE discovered missing abstracts among your publications**

✓ **ENRICH/MISSING/DATE - OpenAIRE discovered missing date values to your publications**

✓ ENRICH/MISSING/SUBJECT/MESHEUROPMC - OpenAIRE discovered classification terms from the Medical Subject Headings that can be associated to your publications

✓ ENRICH/MISSING/SUBJECT/JEL - OpenAIRE discovered Journal of Economic Literature (JEL) classification terms that can be associated to your publications

✓ ENRICH/MISSING/SUBJECT/DDC - OpenAIRE discovered Dewey Decimal classification terms (DDC) that can be associated to your publications

✓ ENRICH/MISSING/SUBJECT/ACM - OpenAIRE discovered ACM classification terms that can be associated to your publications

✓ ENRICH/MISSING/SUBJECT/ARXIV - OpenAIRE discovered ARXIV classification terms that can be associated to your publications

Enrichments:

- **MORE metadata**

or

- **MISSING metadata**

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Home   Sources   Compatibility   Content   Metrics

University Minho

Enrichments for Universidade do Minho: RepositoriUM

MORE

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORIUM CONTENT

|	# OF EVENTS
ENRICH/MORE/OPENACCESS_VERSION *OpenAIRE discovered another Open Access version of a publication*	18296
ENRICH/MORE/PID *OpenAIRE discovered another persistent identifier associated to your publications*	5725
ENRICH/MORE/SUBJECT/JEL *OpenAIRE discovered more Journal of Economic Literature (JEL) classification terms that can be associated to your publications*	4151
ENRICH/MORE/SUBJECT/DDC *OpenAIRE discovered more Dewey Decimal classification terms (DDC) that can be associated to your publications*	1028
ENRICH/MORE/SUBJECT/MESHEUROPMC *OpenAIRE discovered more classification terms from the Medical Subject Headings (MeSH) that can be associated to your publications*	799
ENRICH/MORE/SUBJECT/ARXIV *OpenAIRE discovered more ARXIV classification terms that can be associated to your publications*	636
ENRICH/MORE/SUBJECT/ACM *OpenAIRE discovered more ACM classification terms that can be associated to your publications*	158
Total	30793

MISSING

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORIUM CONTENT

	# OF EVENTS
ENRICH/MISSING/PROJECT *OpenAIRE discovered references to research projects that can be associated to your publications*	3422
ENRICH/MISSING/PID	3132
ENRICH/MISSING/SUBJECT/DDC *OpenAIRE discovered Dewey Decimal classification terms (DDC) that can be associated to your publications*	736
ENRICH/MISSING/SUBJECT/ARXIV *OpenAIRE discovered ARXIV classification terms that can be associated to your publications*	364
ENRICH/MISSING/ABSTRACT *OpenAIRE discovered missing abstracts among your publications*	293
ENRICH/MISSING/SUBJECT/MESHEUROPMC *OpenAIRE discovered classification terms from the Medical Subject Headings (MeSH) that can be associated to your publications*	289
ENRICH/MISSING/OPENACCESS_VERSION *OpenAIRE discovered Open Access versions of your publications*	193
ENRICH/MISSING/SUBJECT/JEL *OpenAIRE discovered Journal of Economic Literature (JEL) classification terms that can be associated to your publications*	162
ENRICH/MISSING/SUBJECT/ACM *OpenAIRE discovered ACM classification terms that can be associated to your publications*	32
Total	8623

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2

Dashboard for Content Providers

Service demo and test drive: content enrichment events.

OpenAIRE Content Provider Dashboard – *what it is*

Validate

Register

OpenAIRE | PROVIDE

Measure

Enrich
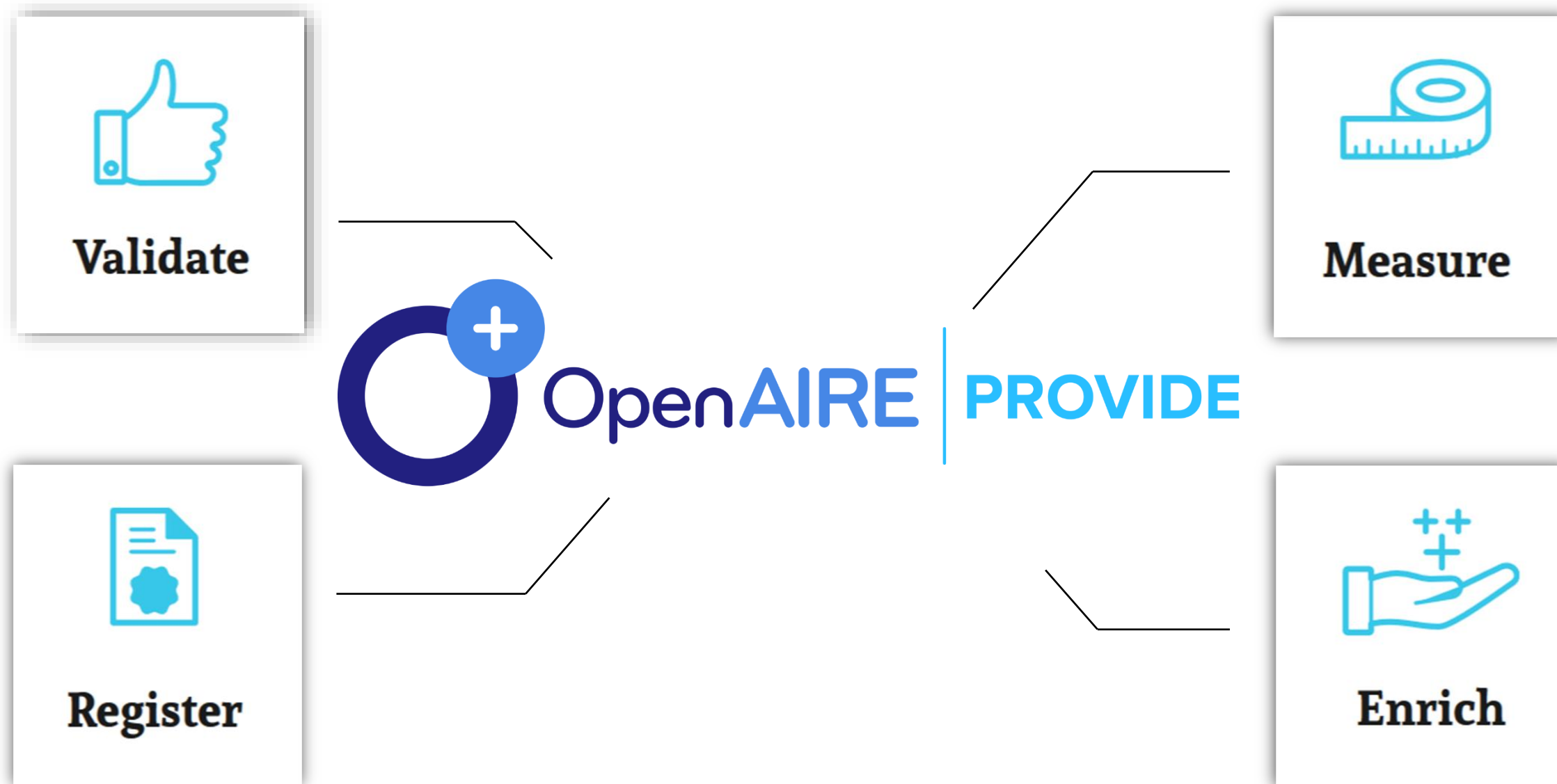
One-stop-shop web service where content providers (repositories, data archives, journals, aggregators, CRIS systems) **interact with OpenAIRE.** It provides the front-end access to many of OpenAIRE's backend services.

provide.openaire.eu

Validator

Interoperability Guidelines

OA Broker

Usage Analytics

Content Provider Dashboard

A one-stop-shop for sharing, finding and enriching your content

START HERE

EXPLORE · PROVIDE · CONNECT · MONITOR · DEVELOP

OpenAIRE | PROVIDE

Sign in

Validate
Interoperable metadata is key for effective content sharing.

Register
Reach a wider audience around the world

Enrich
Improve your metadata. Get more connections

Measure
Open research impact empowers Open Science

one stop shop for all OpenAIRE content providers

Services for repository managers,
Data Archive managers,
OA publishers...

SUPPORT, PROMOTE, ENRICH

Dashboard usage

TARGET USERS

Repository managers (literature, data), libraries, content providers, publishers, national aggregators.

USER BASE

800 content providers have used the registration and validation service *(V1 focused on literature repositories*, 1200 all types for V2).

USER VALUE

Improve repository collections and content for **enhanced visibility** and access. Improved institution memory. Better institution research assessment. **Compliance to funder rules**. Improved repository **interoperability**.

OpenAIRE

Content Provider Dashboard

Reach a wider audience around the world

Register your datasource in OpenAIRE and be part of a global interlinked network.

REGISTER

Literature Repository

Data Repository

Open Access Journals

Aggregator

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ENRICH

Improve your metadata.
Get more connections

OA Broker service offers a wealth of information on scholarly communication data.

Find out what interests you and subscribe to enrich your records.

More & Missing events that may enrich your Repository:

- **Persistent identifiers**
- **Open Access Versions**
- **Projects**
- **Subjects**
- **Abstracts**
- … datasets, software

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Open research impact empowers Open Science

Open Metrics service by sharing your usage data.

Get the benefit of an aggregated environment to broaden the mechanisms for impact assessment.

Get usage statistics reports for your datasource

AR1

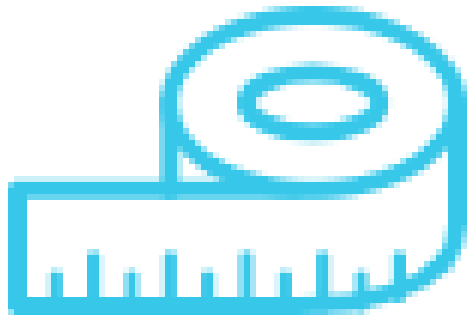Article Report 1, number of successful article download requests by month and repository.

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.
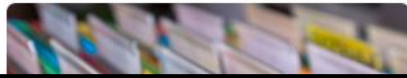
BR1

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.

MEASURE

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Novelties

OpenAIRE | PROVIDE

Home · Sources · Compatibility · Content · Metrics · University Minho

EXPLORE · PROVIDE · CONNECT · MONITOR · DEVELOP

Register · Validate

OpenAIRE | PROVIDE

EXPLORE · PROVIDE · CONNECT · MONITOR · DEVELOP

Home · Sources · Compatibility · Content · University Minho

METADATA ENRICHMENTS FROM THE OPENAIRE BROKER SERVICE (monthly notifications)

Enrichments for Universidade do Minho: Reposi...

MORE

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORIUM CONTENT | # OF EVENTS

ENRICH/MORE/OPENACCESS_VERSION
OpenAIRE discovered another Open Access version of a publication — 18296

ENRICH/MORE/PID
OpenAIRE discovered another persistent identifier associated to your publications — 5725

ENRICH/MORE/SUBJECT/JEL
OpenAIRE discovered more Journal of Economic Literature (JEL) classification terms that can be associated to your publications — 4151

MISSING

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORIUM CONTENT | # OF EVENTS

ENRICH/MISSING/PROJECT
OpenAIRE discovered references to research projects that can be associated to your publications — 3422

ENRICH/MISSING/PID
OpenAIRE discovered another persistent identifier associated to your publications — 3132

ENRICH/MISSING/SUBJECT/DDC
OpenAIRE discovered Dewey Decimal classification terms (DDC) that can be associated to your publications — 736

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Register

Register data sources in the OpenAIRE infrastructure

Validate

Validate data sources against OpenAIRE guidelines

Collection monitor provides the aggregation history

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DASHBOARD   SOURCES   COMPATIBILITY   CONTENT   METRICS   UNIVERSITY MI...

2018-09-18

Aggregation stage - TRANSFORM

Number of records - 42940

2018-09-18

Aggregation stage - COLLECT

CollectionMode - REFRESH

Number of records - 43076

2018-09-04

Aggregation stage - TRANSFORM

Number of records - 42822

2018-09-04

Aggregation stage - COLLECT
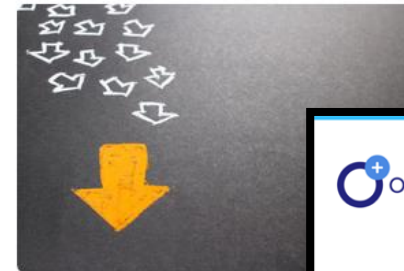
CollectionMode - REFRESH

Number of records - 42956

2018-08-27

Aggregation stage - TRANSFORM

Number of records - 42745

2018-08-27

Aggregation stage - COLLECT

CollectionMode - REFRESH

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EXPLORE PROVIDE CONNECT MONITOR DEVELOP

Home Sources Compatibility Content Metrics

University Minho

Register

Register a...

Validate

THE SERVICE COLLECTS AND EXPLOITS USAGE METRICS LIKE DOWNLOADS AND METADATA VIEWS (tracking plugin, SUSHI endpoint, COUNTER reports)

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Dashboard Sources Compatibility Content Metrics

Antonis Lempesis

Universidade do Minho: RepositoriUM

10107
views in OpenAIRE

1310823
views in local repository
(14 referrals from OpenAIRE)

519901
views in local repository
(6 referrals 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

Monthly views

■ Monthly views   from OpenAIRE via HighCharts (date: 23/2/2018)

Monthly downloads

■ Monthly downloads   From OpenAIRE via HighCharts (date: 23/2/2018)

Dashboard Sources Compatibility Content Metrics Unive...

Log out

Get usage statistics 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.
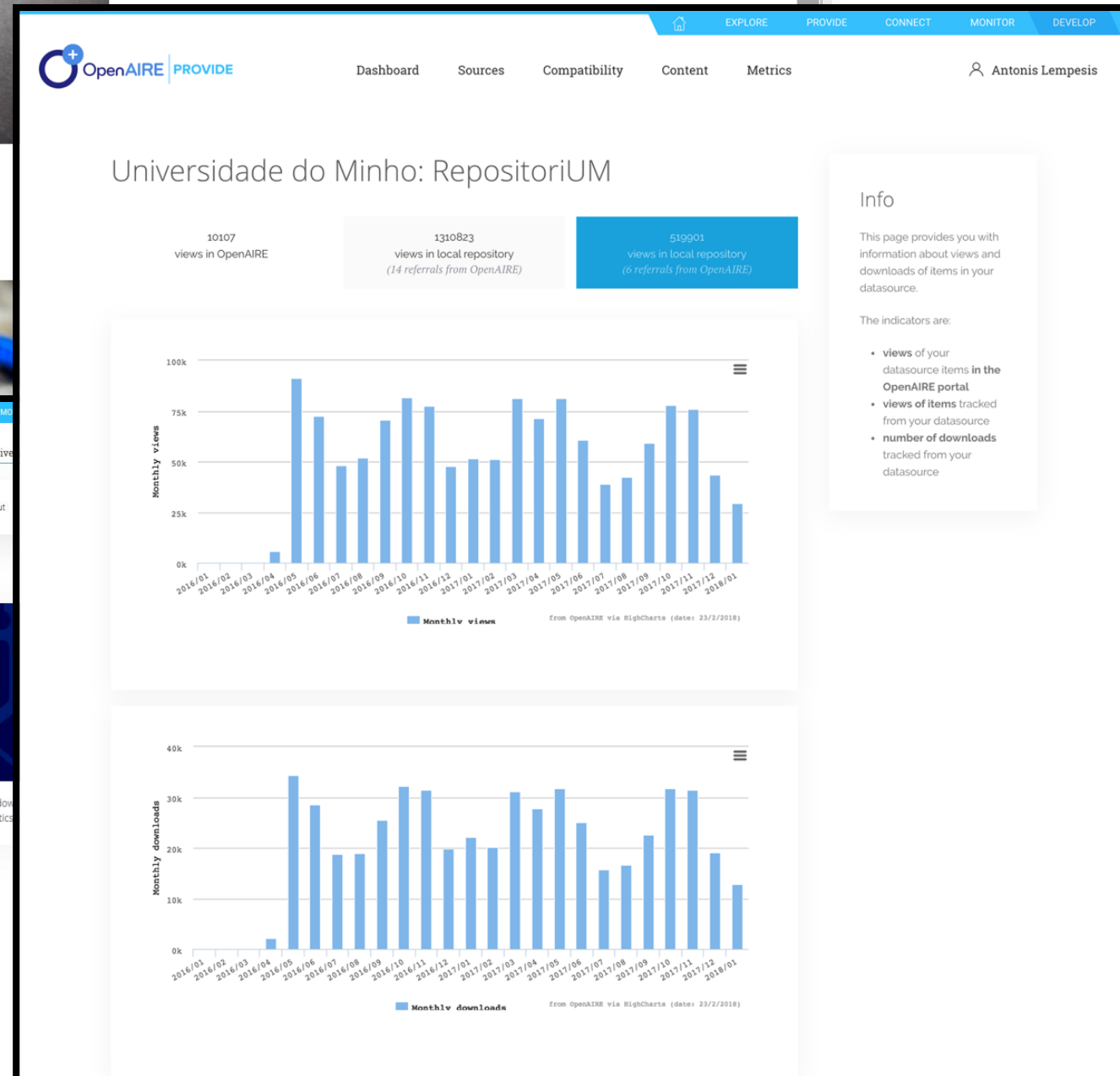
RR1

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

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.

Metrics Configuration & Software Details

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

OpenAIRE's usage statistics service tracking code exploits Piwik's API. In order to make the tracking of usage eve... more robust, it was necessary to implement repository platform specific patches and plugins starting with DSpa... 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)

To configure your repository to allow tracking in Piwik platform, please change the configuration files with the fo... values, generated for your site:

PiwikID
104

AuthenticationToken
106629304

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Content provider?

Join OpenAIRE, use our tools and make your content more visible around the world.

OpenAIRE.PROVIDE

In production since October!

Content Provider Dashboard: testing phase

Portugal

1 Webinar, 59 Attendees

21 Repositories represented

Spain

1 Webinar, 49 Attendees

28 Repositories represented

Real users of the Dashboard
- Repository Managers from Portugal & Spain
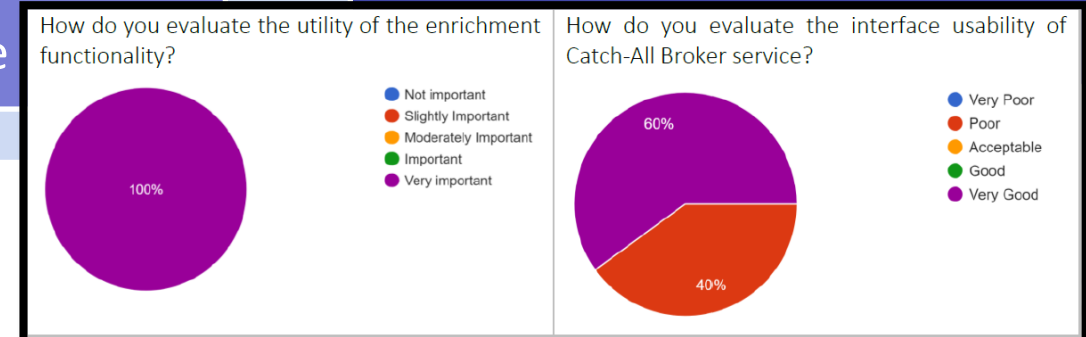
2 Webinars (Demo)
- Main OpenAIRE services for content providers (Dashboard and Broker), RCAAP and RECOLECTA.

Test drive
- Grant the access to the Dashboard
- Guidance on the functionalities usage
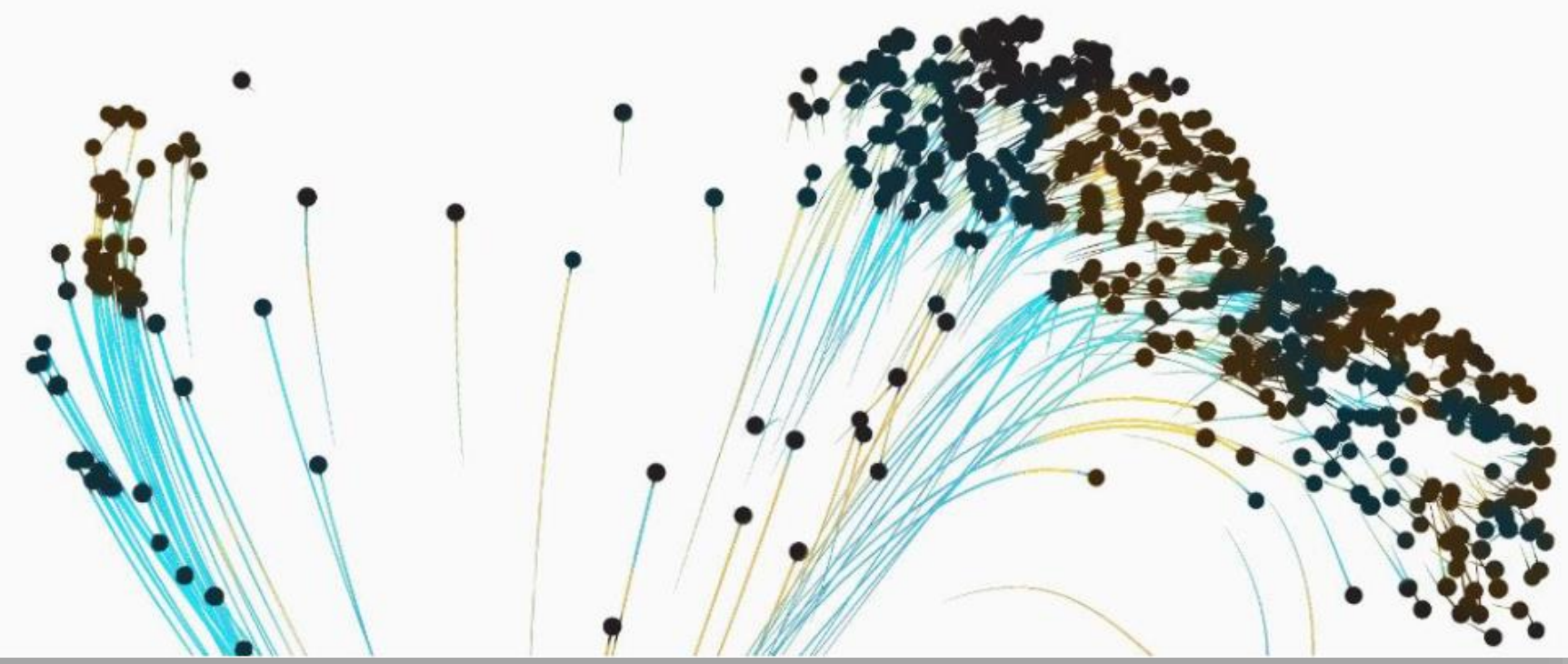
Collect feedback
- Questionnaire & Helpdesk

How do you evaluate the utility of the enrichment functionality?

- Not important
- Slightly Important
- Moderately Important
- Important
- Very important

100%

How do you evaluate the interface usability of Catch-All Broker service?

- Very Poor
- Poor
- Acceptable
- Good
- Very Good

60%

40%

May/June 2018

provide.openaire.eu

Breakout groups – demo

Login: repositorium

Pass: openaire1!

Login: comum

Pass: Rcaapsdum2008

Support materials for Content Providers Dashboard uptake

Support – guides

- **Provide - How to validate and register your repository**
- **Provide - How to enrich research artifacts**
- **Usage Statistics – How to track the usage activity of your repository**
- **ScholExplorer - Literature & Data interlinking**
- **Making your repository Open**

Training – webinars

- **Make your content count - OpenAIRE Content providers Dashboard: service for repository managers**
- **OpenAIRE metrics service: usage statistics**
- **OpenAIRE Guidelines for data providers: new Metadata Application Profile for Literature Repositories**

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New broker events

- ## ORCID > Publications/Datsets/software

- ## Datasets > Projects

- ## Publications <-> Software

- ## Publications <-> Datasets

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORIUM CONTENT	# OF EVENTS
ENRICH/MORE/OPENACCESS_VERSION OpenAIRE discovered another Open Access version of a publication	20029
ENRICH/MORE/PID OpenAIRE discovered another persistent identifier associated to your publications	3288
ENRICH/MORE/SUBJECT/ARXIV OpenAIRE discovered more ARXIV classification terms that can be associated to your publications	1579
ENRICH/MORE/SUBJECT/JEL OpenAIRE discovered more Journal of Economic Literature (JEL) classification terms that can be associated to your publications	1257
ENRICH/MORE/SUBJECT/DDC OpenAIRE discovered more Dewey Decimal classification terms (DDC) that can be associated to your publications	978
ENRICH/MORE/SUBJECT/MESHEUROPMC OpenAIRE discovered more classification terms from the Medical Subject Headings (MeSH) that can be associated to your publications	757
ENRICH/MORE/SUBJECT/ACM OpenAIRE discovered more ACM classification terms that can be associated to your publications	146
Total	**28034**

EVENTS THAT MAY ENRICH UNIVERSIDADE DO MINHO: REPOSITORIUM CONTENT	# OF EVENTS
ENRICH/MISSING/PROJECT OpenAIRE discovered references to research projects that can be associated to your publications	8735
ENRICH/MISSING/OPENACCESS_VERSION OpenAIRE discovered Open Access versions of your publications	1754
ENRICH/MISSING/PID OpenAIRE discovered missing persistent identifiers associated to your publications	726
ENRICH/MISSING/ABSTRACT OpenAIRE discovered missing abstracts among your publications	146
ENRICH/MISSING/SUBJECT/MESHEUROPMC OpenAIRE discovered classification terms from the Medical Subject Headings (MeSH) that can be associated to your publications	87
ENRICH/MISSING/SUBJECT/JEL OpenAIRE discovered Journal of Economic Literature (JEL) classification terms that can be associated to your publications	44
ENRICH/MISSING/SUBJECT/DDC OpenAIRE discovered Dewey Decimal classification terms (DDC) that can be associated to your publications	23
ENRICH/MISSING/SUBJECT/ACM OpenAIRE discovered ACM classification terms that can be associated to your publications	16
ENRICH/MISSING/SUBJECT/ARXIV OpenAIRE discovered ARXIV classification terms that can be associated to your publications	14
Total	**11545**

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🐦 @openaire_eu

𝐟 facebook.com/groups/openaire

✉ pedroprincipe@sdum.uminho.pt

OpenAIRE USER FEEDBACK
FORM: bit.ly/brokerevaluation

https://forms.gle/uQZQ8954q47az7Vn8

3

OpenAIRE usage statistics service

Overview, demo and collection workflows

OpenAIRE
Usage Statistics Service

Jochen Schirrwagen
Dimitris Pierrakos
Andreas Czerniak
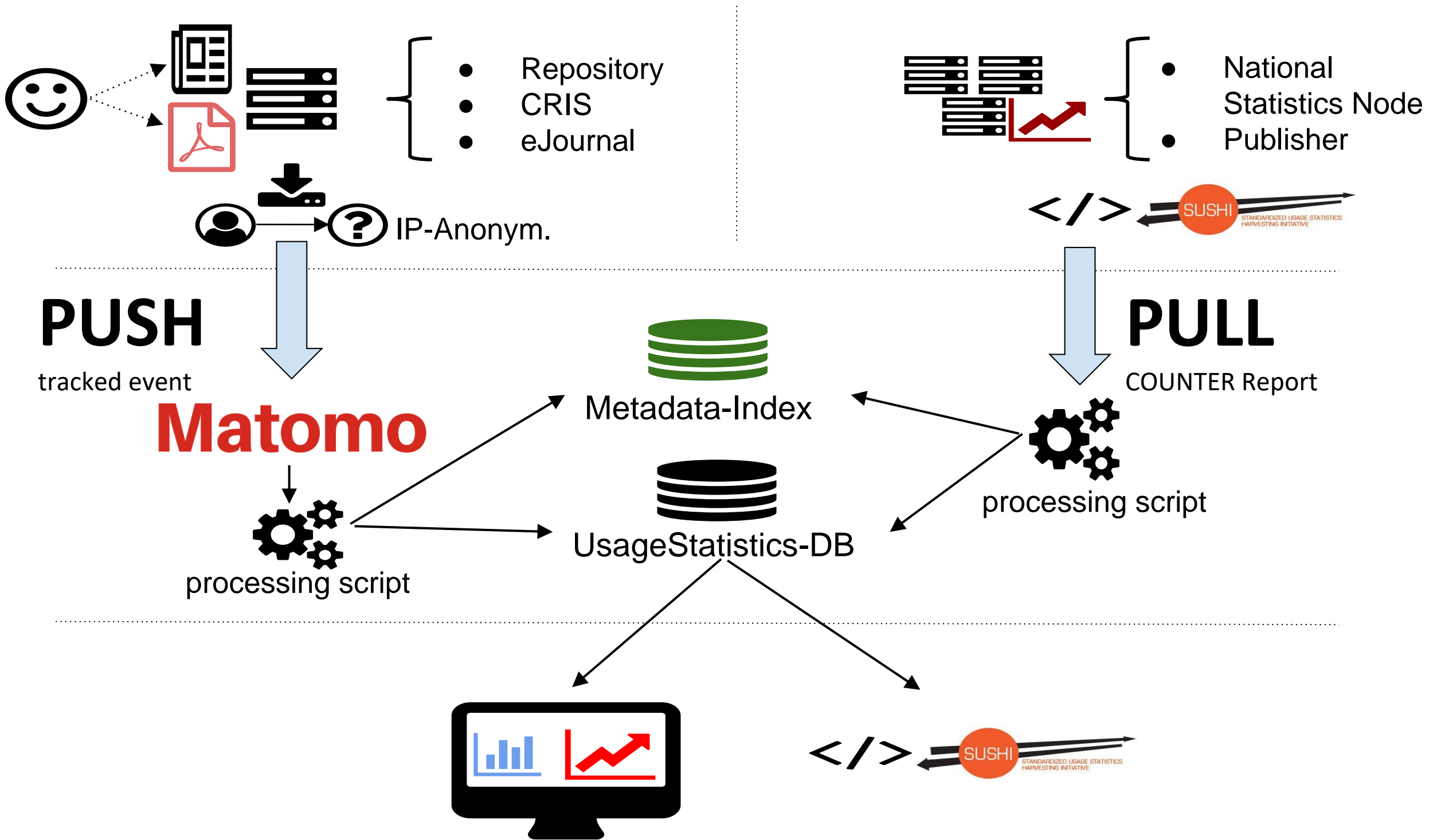
OPEN
REPOSITORIES

2019 | HAMBURG

Why Usage Statistics

- Authors / readers: to assess impact and to compare with *scholarly works* of peers

- Repository managers: how often / how well is the *repository service* used

- Research funders / administrators: usage metrics as part of a variety of metrics to assess impact of *research* funded or supported

Open research impact empowers Open Science

How it works

- (1) Tracking of usage events or (2) retrieving COUNTER reports on scholarly work items in repositories

- Applying rules based on COUNTER CoP

- Aggregating metrics on usage for scholarly works

- Repository plugins to track usage events

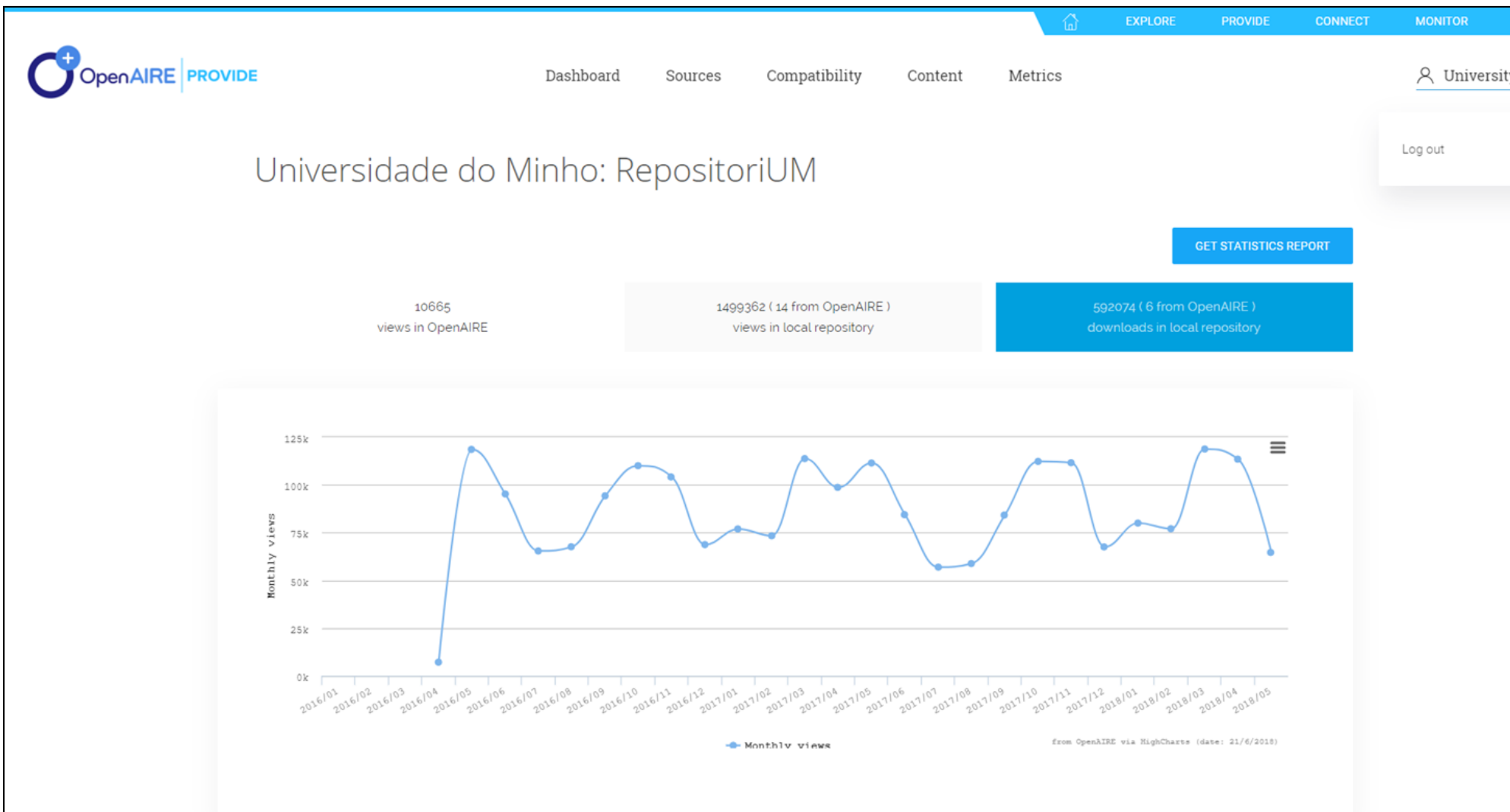# TIERS Collection Workflows for Usage Statistics

- Repository
- CRIS
- eJournal

IP-Anonym.

- National Statistics Node
- Publisher

PUSH

tracked event

Matomo

processing script

Metadata-Index

UsageStatistics-DB

PULL

COUNTER Report

processing script

Matomo Tracking Parameters

Parameter	Description
idSite	the ID of the repository
idVisit	a visitor/session ID (an 8 byte binary string)
visitIP (optionally anonymized)	the IP address of the visitor
action	the action performed (view, download, outlink, etc)
url	the url of the requested item
timestamp	the date & time of the request
OAI-PMH Identifier	the Open Access Initiative identifier of the item being viewed/downloaded
agent	the Web Browser and the operating system of the visitor
referrer	The url linked to the item requested

Usage Statistics on Datasource and Item Level

OpenAIRE Exposes Usage Statistics

SUSHI
STANDARDIZED USAGE STATISTICS
HARVESTING INITIATIVE

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

COUNTER compliant usage statistics reports for Repositories

AR1	IR1	RR1	BR1	BR2
Article Report 1, number of successful article download requests by month and repository.	Item Report 1, number of successful item download requests by month and repository.	Repository Report 1, number of successful item downloads for all repositories participating in the usage statistics service.	Book Report 1, number of successful title requests by month and title.	Book Report 2, number of successful section requests by month and title.

SUSHI response example (JSON)

Repository Report	Item 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"
        },
```

```
- 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"
                    },
```

Main Challenges and Limitations

- **Comparability of Usage Statistics across platforms**
  - Must be collected and processed by agreed common standards, e.g. COUNTER CoP
  - Must be openly accessible by default (e.g. CC-0 license)

- **Comparability of Usage Statistics of different versions of an item**
  - e.g. Usage Statistics of Open Access vs. non-Open Access item versions
  - Usage Statistics must be enriched by item identifiers
  - Items must have comprehensive metadata descriptions

- **Contextualized Usage Statistics**
  - COUNTER Reports are a basic first step but limited on statistics per platform (items)
  - Aggregated usage statistics of deduplicated items
  - Linked research results and their Usage Statistics in the context of
    (e.g. a project or topic)

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"
The larger the network the better the usage statistics
"

Next Steps

- **Promote the service to content provider managers**
- **Update to COUNTER CoP R5**
- **Support of COUNTER CoP for Research Data (work with MakeDataCount)**
- **Improve visualizations of Usage Statistics in portal and dashboard**
- **Aligning tracking protocols and generic tracking solutions**
- **Support national usage statistics initiatives to become a node in OpenAIRE Usage Statistics**

collaboration already with LA Referencia, IRUS-UK

More Information

- **Item in the EOSC Service catalogue:**
  https://catalogue.eosc-portal.eu/service/openaire.openaire_usage_statistics

- **OpenAIRE Usage Statistics Guidelines:**
  https://openaire.github.io/usage-statistics-guidelines/

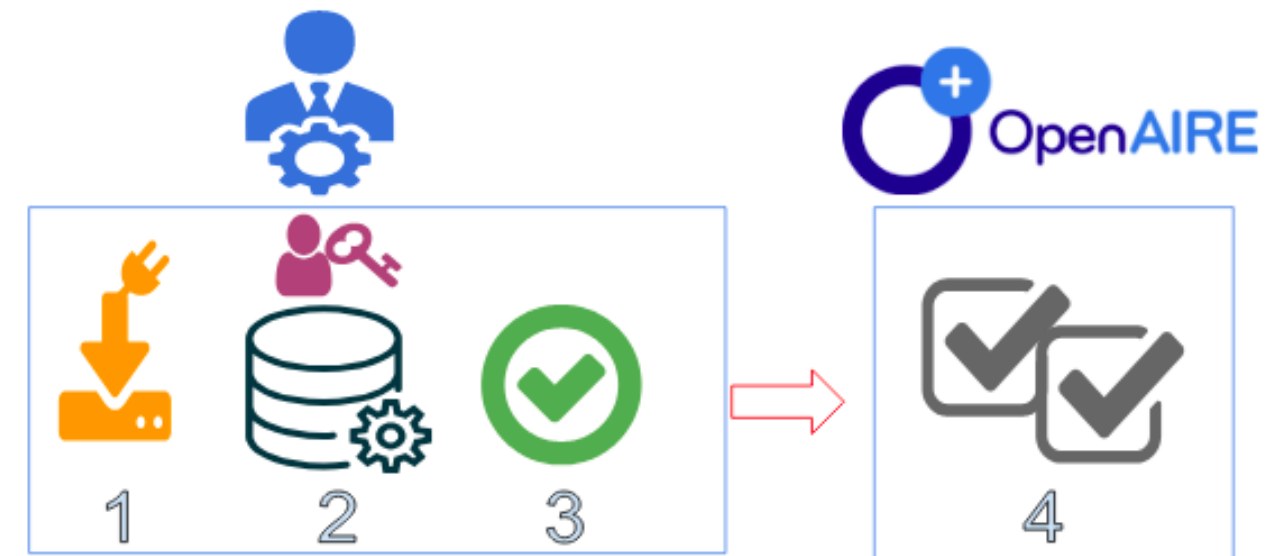- **OpenAIRE2020 - Usage Statistics Services - D8.5:**
  https://doi.org/10.5281/zenodo.1034164

Architecture and Workflows for Usage Statistics
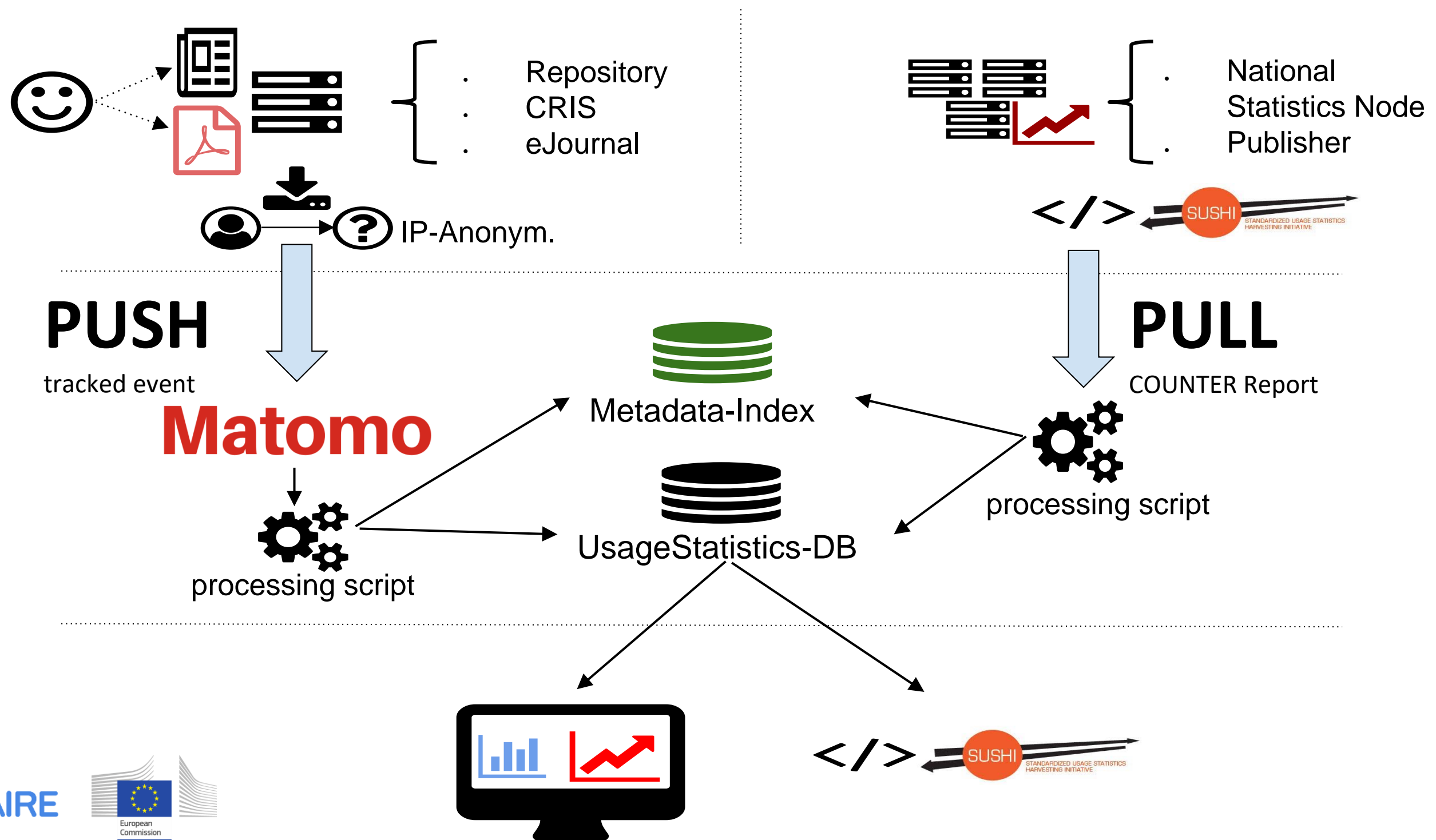
Metrics in the OpenAIRE Dashboard for content providers

- **Four steps to join OpenAIRE Usage Statistics**
  1. **Download.**
  2. **Configure.**
  3. **Deploy.**
  4. **Validate (by OpenAIRE).**

- **Or enter SUSHI endpoint to let OpenAIRE collect COUNTER reports**

Enable Metrics for selected Datasource

Configure Metrics for selected Datasource

Metrics Configuration & Software Details

Info / Tracking setup

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

OpenAIRE's usage statistics service tracking code exploits Piwik'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)

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

PiwikID
  000

AuthenticationToken
  01233456

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

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Matomo Live tracking (Pull)

- **Demo Site:**

http://demo.librecat.org/

- **Real time tracking:**

https://analytics.openaire.eu/index.php?module=CoreHome&action=index&idSite=1&period=day&date=yesterday&updated=1#?idSite=1&period=day&date=yesterday&category=Dashboard_Dashboard&subcategory=1&popover=

Matomo offline collection of COUNTER Reports (Push)

- **Irus-UK (aggregator) endpoint via SUSHI-Lite:**

  https://irus.jisc.ac.uk/api/sushilite/v1_7/Client/IR1/

- **Aberdeen University Research Archive (irusuk:28)**

  https://irus.jisc.ac.uk/api/sushilite/v1_7/GetReport/?Report=IR1&Release=4&RequestorID=Jisc&BeginDate=2019-01&EndDate=2019-03&RepositoryIdentifier=irusuk%3A28&ItemIdentifier=&ItemDataType=&hasDOI=&Granularity=Monthly&Callback=&Pretty=Pretty

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Usage Statistics Reports

- ## Repository Statistics from the Content Providers Dashboard

provide.openaire.eu

- ## COUNTER reports using the SushiLite API

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

http://services.openaire.eu/usagestats/sushilite/GetReport/?Report=IR1&Release=4&RequestorID=anonymous&BeginDate=2019-01&EndDate=2019-02&RepositoryIdentifier=opendoar%3A1714&ItemIdentifier=&ItemDataType=&Granularity=Monthly&Pretty=Pretty

Questions

- How important the Metrics service is for your repository?
- Do you consider Usage statistics as a "trustworthy" evaluator for scholarly impact?

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www.menti.com

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Thank you!

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