Results from the "Enrich Local Data via the OpenAIRE Graph" Project: Bring Innovation to DSpace

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OpenAIRE Open Innovation programme

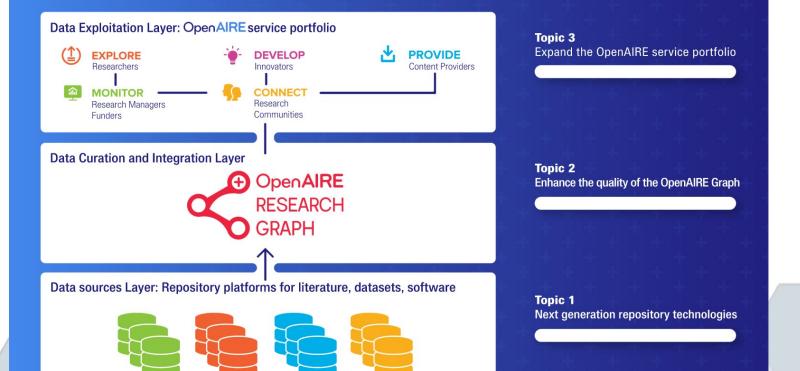
The OpenAIRE Open Innovation Programme was launched to discover, support and fund innovative ideas and implementations of software in the Open Science domain.

https://www.openaire.eu/open-innovation-in-openaire





OpenAIRE Application boundaries & Open Call Topics







Data Curation and Integration Layer

OpenAIRE

RESEARCH

GRAPH



OAIRE-ELD

Enrich Local Data via the OpenAIRE Graph





Project goals

The project implements **two services for DSpace/DSpace-CRIS** to enhance local data with information in the OpenAIRE Research Graph.

- → Data Correction: to improve existing data
- → Publication claim: is focussed on identifying missing publications





OAIRE-ELD

Enrich Local Data via the OpenAIRE Graph

Phase 1: Solution Design

- → Provided feedback on the
- * Notification broker service
- * OpenAIRE web services
- → Produced the Implementation specification

Phase 2: Prototyping

→ Implemented the proposed solution for DSpace and DSpace-CRIS → Designed the call back mechanism

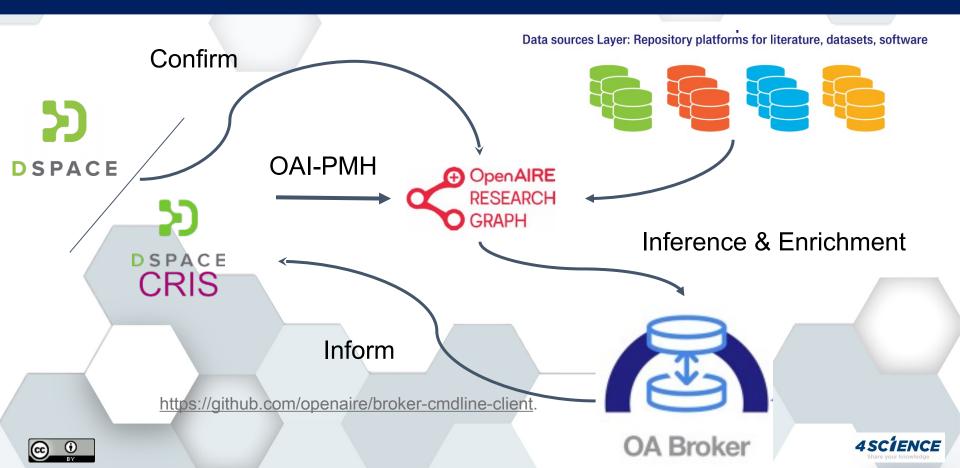
Phase 3: development and testing

- → Improved the performance
- → Ran a pilot project with the University of Trieste
- → Was included out-of-thebox in DSpace-CRIS
- → PRs created for DSpace





Data Correction







Home / OpenAIRE Broker

OpenAIRE Broker

Below you can see all the topics received from the subscriptions to OpenAIRE.

Current Topics

Now showing 1 - 5 of 5



| Торіс | Last Event | Actions |
|-------------------------|------------------------------|---------|
| ENRICH/MORE/PID | 2021-01-21T12:33:53.935+0000 | 5364 i |
| ENRICH/MISSING/PID | 2021-01-21T12:33:53.935+0000 | 4844 i |
| ENRICH/MISSING/ABSTRACT | 2021-01-21T12:33:53.935+0000 | 53 i |
| ENRICH/MISSING/PROJECT | 2021-01-21T12:33:53.935+0000 | 1 i |
| ENRICH/MORE/PROJECT | 2021-01-21T12:33:53.935+0000 | 1 i |











Home / OpenAIRE Broker Suggestions

OpenAIRE Broker Suggestions

Below the list of all the suggestions, received from OpenAIRE, for the selected topic.

« Back to topics

Topic: ENRICH/MORE/PID

Now showing 5361 - 5364 of 5364

| | ١. |
|--|----|

| Trust | Publication | Details | Actions |
|-------|---------------------------|--|---|
| 0.375 | Riferimenti bibliografici | PID Type: doi PID Value: 10.4000/books.res.4741 | ✓ Accept suggestion iii Ignore suggestion iii Reject suggestion |
| 0.375 | Note sugli autori | PID Type: doi PID Value: 10.14672/ada20181397189-193 | ✓ Accept suggestion iii Ignore suggestion iii Reject suggestion |
| 0.375 | Note sugli autori | PID Type: dol PID Value: 10.14672/ada20191586183-185 | ✓ Accept suggestion ☐ Ignore suggestion ☐ Reject suggestion |









Home / OpenAIRE Broker Suggestions

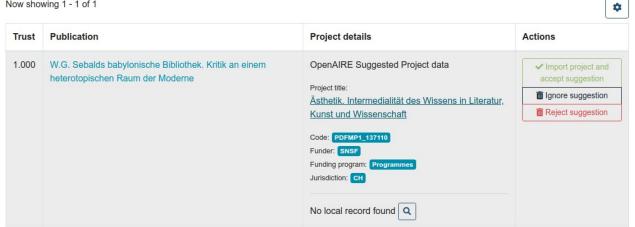
OpenAIRE Broker Suggestions

Below the list of all the suggestions, received from OpenAIRE, for the selected topic.

« Back to topics

Topic: ENRICH/MISSING/PROJECT

Now showing 1 - 1 of 1









Pilot feedback - Data Correction Service

"A great improvement for the BrokerService. Finally the suggested data in the place where I need them: directly in my Repository. The great integration helps the Repository Manager to quickly decide and enrich Repository data directly in the environment that is used to work and manage. It's like an "all in one" solution."

Jordan Piščanc

Repository Manager of the University of Trieste





Publication Claim

OpenAIRE Research Graph contains publications (and more research information) relevant for your institution

- new researchers joining your Institution contributed to the graph via their previous Institution
- your researchers may fail to submit to the Institutional repository but their publications come in the OpenAIRE graph via the publisher, funder or a domain community repository
- External coauthors already provided the information that you need

The product will constantly and automatically check the OpenAIRE graph looking for relevant data







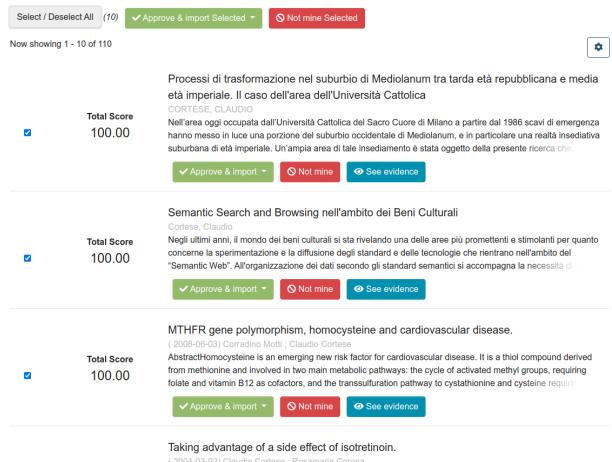


| Search DSpace Now showing 1 - 10 of 25 Your Submissions Workspace Item A machine learning evolutionary algorithm-based formula | Searc | |
|---|---|--|
| Your Submissions Workspace Item | | |
| Workspace Item | | |
| A machine learning evalutioner, algorithm based former | | |
| Filters predict lung cancer in cytologically negative pleural effus | | |
| Sidius | (2019-09-14) Alessandro De Stefano Gianni D'Angelo Stefano Elia Renato Massoud Claudio Cortese France Malignant pleural effusion is diagnostically challenging in presence of negative cytology. The assessment of tu- | |
| Date + | negative cytology. The assessment of the | |
| Reset filters Workspace Item Influence of acute reduction of blood viscosity on endoth | nelial function. | |
| (2019-03-19) Antonio Cutruzzolà Marilena Minieri Concetta Irace Clau | udio Carallo Claudio Cortese Agostino C | |
| Settings BACKGROUND The relationship between blood viscosity (BV) and end C Edit Delete | idothelial function is rather complex. An | |





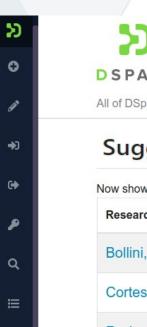
Suggestion for Claudio Cortese from the OpenAIRE Graph







Total Score





All of DSpace ▼ Statistics

Q @ 0 -





Suggestions

| Now showing | 1 | - ' | 10 | of | 4 | 1 |
|-------------|---|-----|----|----|---|---|
|-------------|---|-----|----|----|---|---|

| Researcher Name | Actions |
|--------------------|----------------------|
| Bollini, Andrea | Review suggestions * |
| Cortese, Claudio | Review suggestions • |
| Fazio, Riccardo | Review suggestions • |
| Mornati, Susanna | Review suggestions • |
| Surname, Firstname | Review suggestions • |
| another one | Review suggestions • |



110



Pilot feedback - Publication Claim Service

"The first real practical usage of the great potentiality of the OpenAIRE Research Graph that I've seen. The great thing is that also this service is directly integrated in my Repository. This will be a real 'time saver' for the Researchers: when they login to the Repository the Publication Claim Service will 'suggest' them new publications found in Research Graph ready to be automatically imported."

Jordan Piščanc

Repository Manager of the University of Trieste





Summary

- The 2 product features have been implemented
- ✓ The <u>documentation website</u> is available and updated
- ✓ The source code is on GitHub (<u>REST</u>, <u>Angular</u>, <u>REST Contract</u>)
- Automatic tests are in place for both the <u>backend</u> and the <u>frontend</u>
- ✓ A pilot installation has been performed with data from a <u>real repository</u> involving the owner Institution (University of Trieste)
- Acceptance Test Plan is available and was verified in the pilot instance



Thanks! Any questions?

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