

OpenAIRE Explore

Konstantina Galouni

Service Manager
kgalouni@athenarc.gr

October 5th 2023 | webinar



explore.openaire.eu

Discover open linked research.

A comprehensive and open dataset of research information covering 179m publications, 59m research data, 380k research software items, from 129k data sources, linked to 3m grants and 195k organizations.

All linked together through citations and semantics.

Advanced search

Search in OpenAIRE



Try browsing by:

SUSTAINABLE DEVELOPMENT GOALS (SDGs) →

FIELDS OF SCIENCE (FOS) →



Access and “explore” the OpenAIRE Graph, its entities and their relationships

179M Publications deduplicated

PubMed

arXiv.org

BASE

Scopus

LA Referencia

SSOAR

RePEc

CORE

zenodo

NARCIS



Linked Open Research.

EXPLORE is built on the OpenAIRE Graph, one of the largest open scholarly record collections worldwide. Conceived as a public and transparent good, populated out of data sources trusted by scientists, the OpenAIRE Graph brings discovery, monitoring, and assessment of science back in the hands of the scientific community.



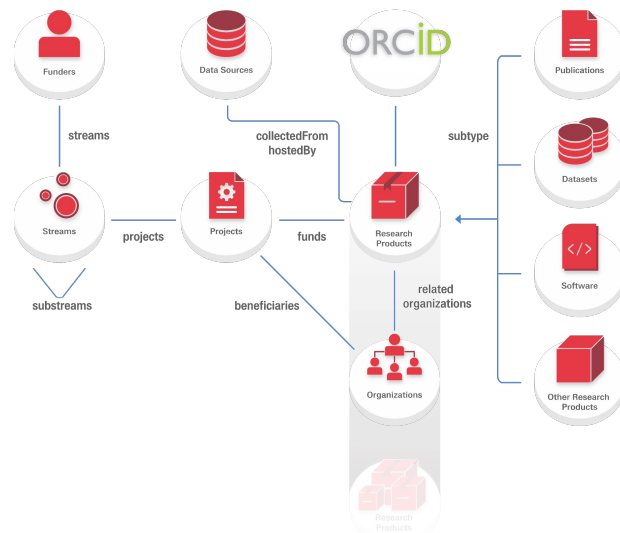
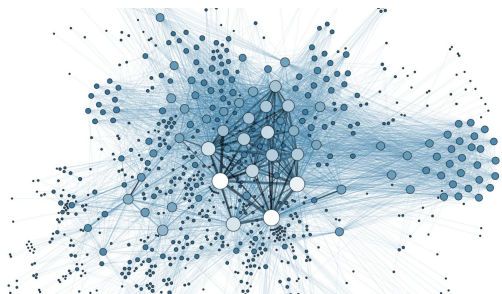
With a constantly emerging scholarly communication environment, the OpenAIRE Graph is a moving target, continuously integrating new sources, new types of research objects, and embedding access measures. We therefore welcome the community to work with us to improve all its aspects: its coverage (geographic and thematic), quality (disambiguation and semantics) and access (APIs).

Find information about the OpenAIRE Graph, how to test it and contribute to improving it.

LEARN MORE, CONTRIBUTE →

HELP

A graph is made up of nodes which are connected by edges



A massive collection of **metadata** and **links** between scientific products such as **articles, datasets, software,** and other research products, entities like **organisations, funders, funding streams, projects, communities, and data sources.**

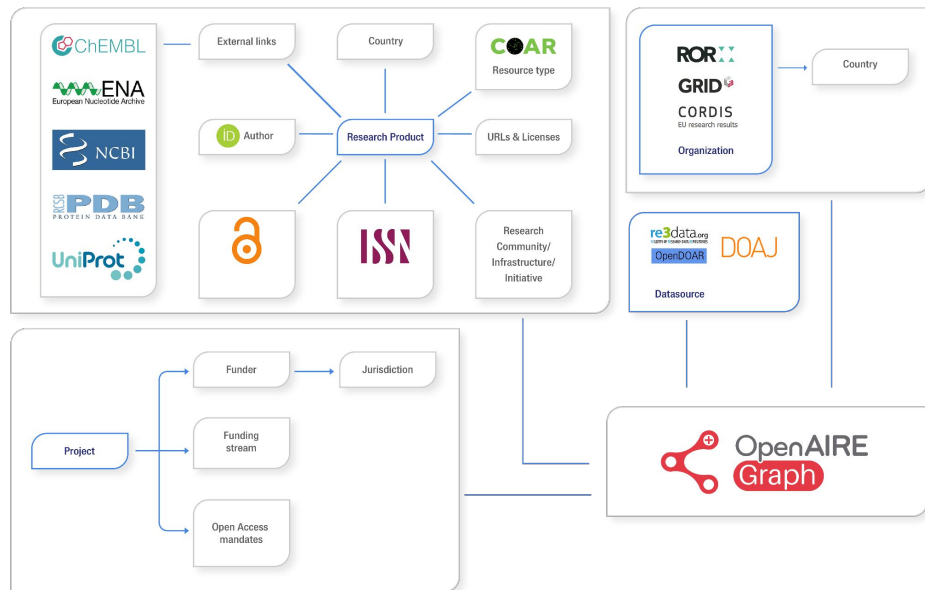
The most unique benefit to the semantic graph database approach is the ability to infer or understand the meaning of information.

The OpenAIRE Graph **aggregates** millions of metadata records collected from **trusted data sources**, including:

- Open Access journals registered in DOAJ
- Crossref
- Unpaywall
- ORCID
- Microsoft Academic Graph
- Datacite

And **repositories** registered in **OpenDOAR**, **re3data.org**, **FAIRSharing.org**, and the **EOSC Service Catalogue**. Among these, prominent repositories such as:

- UKPubMed
- ArXiv
- HAL
- Zenodo
- Figshare
- Dryad
- Repec



Why OpenAIRE Graph?

graph.openaire.eu

- **Open and transparent**
 - **Decentralized and interoperable**
 - **Intelligent linking**
 - **Embedded metrics**
- **181M** publications
 - **62M** research data
 - **348K** research software items
 - from **134K** data sources
 - linked to **3M** grants and
 - **200K** organizations

All linked together through citations and semantics.



explore.openaire.eu

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HELP

Explore basic functionalities

Search

Search & filter

Download search results &
reports

Link

Link OpenAIRE entities

Link with external results

Enhance the information graph

ORCID Search & Link Wizard

Deposit

Find repository or journal
to deposit your research in
Open Access

The image features a white background with two decorative halftone patterns. On the left side, there is a pattern of light blue circles and diamonds that tapers towards the center. On the right side, there is a pattern of dark blue circles and diamonds that also tapers towards the center. In the middle of the page, the word "Search" is written in a large, black, sans-serif font.

Search

Search

Simple and advanced

- keyword search, persistent identifiers
- research products, projects, data sources, organizations

Filters

Customizable response

- Sorting, number of results

Downloadable search results

The screenshot displays the OpenAIRE search results page for the query 'openaire'. At the top, there is a search bar with 'openaire' entered and a magnifying glass icon. Below the search bar, navigation links for 'RESEARCH PRODUCTS (12,112)', 'PROJECTS (18)', 'DATA SOURCES (5)', and 'ORGANIZATIONS (63)' are visible. The main content area shows '12,112 Research Products for openaire' with a 'DOWNLOAD RESULTS' button. On the left, a 'Filters' sidebar includes sections for 'Access (1)', 'Type (4)', 'Year range' (1800-2033), 'Field of Science [B... (100)', and 'Funder (20)'. The main results area displays three items: 'Openaire Lod Dump', 'OpenAIRE Next Steps: OpenAIRE AKME LE', and 'Openaire Content Acquisition Policies'. Each result includes a title, a brief description, a DOI, and a 'ZENODO' download button with social sharing options.

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Search

Simple and advanced

- keyword search, persistent identifiers
- research products, projects, data sources, organizations

Filters

Customizable response

- Sorting, number of results

Downloadable search results

The screenshot displays the OpenAIRE search interface. At the top, there is a search bar with 'Research products' selected. Below it, the 'Advanced search In' section shows search criteria: 'Any field' includes 'openaire' and 'Project' is 'is' '[OpenAIRE-Advance] OpenAIRE Advancing Open Scholarship (777941)'. The 'TERMS' section shows 'and' and 'X' buttons. A 'SEARCH' button is at the bottom right of the search bar.

Below the search bar, the 'Filters' section is visible. It includes 'Access (1)' with 'Open Access (318)' selected, 'Type (4)' with 'Publications', 'Research data', 'Research software', and 'Other research products' listed, and 'Year range' with '1800' to '2033' and 'This year', 'Last 5 years', and 'Last 10 years' options.

The 'Field of Science [Beta] (36)' section lists various categories like '02 engineering and technology (12)', '05 social sciences (11)', etc. The 'Funder (2)' section lists 'European Commission (318)'. The '318 Research Products (2 rules applied)' section shows '318' results with 'OPEN ACCESS' filter, 'Results per page 10', and 'Sort by Relevance'. The results list includes 'OpenAIRE Week: General Assembly: A user journey in OpenAIRE PROVIDE services and interoperability guidelines implementation' and 'OpenAIRE Next Steps: OpenAIRE AKME LE'.

Detailed pages - Research product

Tailored for each entity

Overview

Relationships

Statistics & Metrics & impact-based indicators

Actions

The screenshot shows the OpenAIRE 'EXPLORE' interface for a research product. At the top, there are navigation links for 'Search', 'Deposit', 'Link', and 'Data sources', along with a search icon and a 'KG' logo. Below this is a header for 'PLoS Pathogens' with options to 'View all 5 versions', 'Link to', 'Share', 'Cite', and 'Claim'. The main title of the article is 'Methylated DNA Recognition during the Reversal of Epigenetic Silencing Is Regulated by Cysteine and Serine Residues in the Epstein-Barr Virus Lytic Switch Protein'. Below the title, it indicates the publication details: '07 Mar 2008 · PLoS Pathogens, volume 4, page e1000005 (eissn: 1553-7374)'. The authors listed are 'Questa H Karlsson; Celine Schelcher; Elizabeth Verrall; Carlo Petosa; Alison J Sinclair'. The DOI is '10.1371/journal.ppat.1000005', PMID is '18369464', and PMC is 'PMC2267006'. A navigation bar below the title includes 'Summary' (highlighted), 'Subjects', 'References (26)', 'Related research (12)', 'External Databases (2)', and 'Metrics'. The abstract text begins with 'Epstein-Barr virus (EBV) causes infectious mononucleosis and is associated with various malignancies...'. At the bottom, there are three small text elements: 'Powered by the OpenAIRE Graph', 'Last update of records in OpenAIRE: Mar 14, 2023', and 'Found an issue? Give us feedback'. On the right side of the page, there is a blue box with social media and metrics: Citations (34), Popularity (AVERAGE), Influence (AVERAGE), Impulse (AVERAGE), and Downloads (22). Below this is a 'Beta SDGs' section showing '3. Good health' and a 'Fields of Science (5)' section with links to 'medical and health sciences' and 'clinical medicine'. At the bottom right, there is a 'Funded by' section with 'WT' listed.

Detailed pages - Research product

12 Research Products, Page 1 of 2

[Replacing C189 in the bZIP domain of Zta with S, T, V, or A changes DNA binding specificity to four types of double-stranded DNA.](#)

2018 • Inferred by OpenAIRE • [IsAmongTopNSimilarDocuments](#)

[Effect of PCMBs on CO₂ permeability of Xenopus oocytes expressing aquaporin 1 or its C189S mutant](#)

1998 • Inferred by OpenAIRE • [IsAmongTopNSimilarDocuments](#)



KG

Citations	34
Popularity	AVERAGE
Influence	AVERAGE
Impulse	AVERAGE
Downloads	22

Related Organizations

University of Wisconsin - Oshkosh
United States

University of Sussex
United Kingdom

University of Wisconsin - Madison
United States

European Molecular Biology Laboratory - European Bioinformatics Institute
European Union

School of Life Sciences University of Sussex
United Kingdom

[View all >](#)

[Glutamine Acid Residue in the Basic Region of the Epstein-Barr Virus \(EBV\) Lytic Cycle Switch Protein Zta \(BZLF1\)](#)

2008 • PLoS Pathogens, volume 4, page e1000005 | issn: 1553-7374, [Copyright policy](#) • Public Library of Science (PLoS)

Author: [Elizabeth Verrall](#); [Carlo Petosa](#); [Alison J Sinclair](#);

[PMID: 18369464](#) [PMC: PMC2267006](#)

[Related research \(12\)](#)

[External Databases \(2\)](#) [Metrics](#)

infectious mononucleosis and is associated with various malignancies, including Burkitt's lymphoma and nasopharyngeal carcinoma. The EBV life cycle alternates between latency and lytic replication. During latency, the viral genome is largely silenced by host DNA methylation, and in the switch to the lytic cycle, this epigenetic silencing is overturned. A key event in the activation of the viral BRLF1 gene by the immediate-early protein Zta. Zta is a bZIP transcription factor that preferentially binds to specific response elements (ZREs) in the BRLF1 promoter (Rp) when these elements are methylated. Zta's ability to trigger lytic cycle activation is severely compromised when a cysteine residue in its bZIP domain is mutated to serine (C189S), but the molecular basis for this effect is unknown. Here we show that the C189S mutant is defective for activating Rp in a Burkitt's lymphoma cell line. The mutant is compromised both in vitro and in vivo for binding two methylated ZREs in Rp (ZRE2 and ZRE3) although the effect is striking only for ZRE3. Molecular

Powered by the [OpenAIRE Graph](#)

Last update of records in OpenAIRE: Mar 14, 2023

Found an issue? [Give us feedback](#)

Beta
SDGs

[3. Good health](#)

[Suggest](#)

Beta

Fields of Science (5) [View all & suggest >](#)

[medical and health sciences](#)
[clinical medicine](#)

Funded by

WT

Related to Research communities

[SDSN - Greece](#)

Detailed pages - Data source

Tailored for each entity

Overview

Relationships

Statistics & Metrics & impact-based indicators

Actions

Share

RepositoriUM
Universidade do Minho: RepositoriUM

[Data Source](#) » [Institutional Repository](#) · [OpenAIRE 4.0 \(inst.&thematic.repo.\)](#) · [OpenAIRE Text Mining](#)

Web page: <https://repositorium.sdum.uminho.pt/> →

Views **10M**
Downloads **4M**

Summary Publications (78,315) Research data (27) Other research products (521) Related Data sources Metrics **Statistics**

Description
Repository of the University of Minho, Portugal.

OAI-PMH
<http://repositorium.sdum.uminho.pt/oai/request>

Collected full-texts 41,832 Results with funding information 18,530

Detailed information @
OpenDOAR

Countries
Portugal

Organizations
UMINHO

Jurisdiction
Institutional

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

Powered by the [OpenAIRE Graph](#) Last update of records in OpenAIRE: Mar 14, 2023 Found an issue? [Give us feedback](#)

Detailed pages - Data source

RepositoriUM
Universidade do Minho: RepositoriUM

Data Source » Institutional Repository · OpenAIRE 4.0 (inst.&thematic.repo.) · OpenAIRE Text Mining

Web page: <https://repositorium.sdum.uminho.pt/> →

Summary Publications (78,315) Research data (27) Other research products (521) Related Data sources Metrics **Statistics**

RepositoriUM

Summary **Publications (80,925)** Research data (30) Other research products (547) Related Data sources Metrics **Statistics**

RECENT PUBLICATIONS [VIEW ALL →](#)

To update or not to update the ESCMID guidelines for the diagnosis and treatment of biofilm infections That is the question! The opinion of the ESGB board

Publication » Other literature type · 2023 · Portugal · English · Elsevier

Authors: *Harby, N.; Moser, C.; Oliver, A.; Williams, C.*; +4 Authors

HANDLE: [1822/85451](https://hdl.handle.net/1822/85451)

Optimization of a hybrid bacterial/Arabidopsis thaliana fatty acid synthase system II in Saccharomyces cerevisiae

Publication » Other literature type · 2023 · Portugal · English · Elsevier B.V.

Authors: *Pozdniakova, T. A.; Cruz, João P.; Silva, Paulo César; Azevedo, Flávio.*; +4 Authors

HANDLE: [1822/85220](https://hdl.handle.net/1822/85220)

RepositoriUM

Summary Publications (80,925) Research data (30) Other research products (547) **Related Data sources** Metrics **Statistics**

*Only top 100 Data sources that host Research products which are also available via the Federated Research Data Repository are shown.

98 Data Sources, Page 1 of 10

DATA SOURCE	RESEARCH PRODUCTS IN EXPLORE
LAReferencia - Red Federada de Repositorios Institucionales de Publicaciones Científicas Latinoamericanas	32,159
Recolector de Ciencia Abierta, RECOLECTA	977
Mémoires en Sciences de l'Informatique et de la Communication	686



Detailed pages - Project

Tailored for each entity

Overview

Relationships

Statistics & Metrics & impact-based indicators

Actions

The screenshot displays the OpenAIRE project page for 'OpenAIRE-Advance'. At the top, there is a navigation bar with options: Link to, Share, Deposit, Embed, and Download. Below this, the project title 'OpenAIRE-Advance' is shown, followed by the subtitle 'OpenAIRE Advancing Open Scholarship'. A blue box in the top right corner displays statistics: Views (89K) and Downloads (184K). The project is identified as an 'Open Access Mandate for Publications and Research data' and is marked as a 'Project' that started on 01 Jan 2018 and ended on 28 Feb 2021. Funding information includes the European Commission as the funder, project code 777541, and call for proposal H2020-EINFRA-2017. A 'Detailed Project Information (CORDIS)' link is highlighted with a red box. The main content area features a 'Summary' tab and a 'Description' section. The description states that OpenAIRE-Advance continues the mission of OpenAIRE to support infrastructure for Open Science. A 'DATA MANAGEMENT PLANS' section is also visible, listing a DMP titled 'Title of DMP - demo' by Papadopoulou, Elli, with a DOI of 10.5281/zenodo.4244637. The page is powered by the OpenAIRE Graph.

Reports & embed results

Download CSV report of the related research products of an organization

Download

Download CSV report of the related research products or projects of a funder, affiliated with an organization

Content report

- ↓ ALL RESEARCH PRODUCTS (CSV)
- ↓ PUBLICATIONS (CSV)
- ↓ RESEARCH DATA (CSV)
- ↓ RESEARCH SOFTWARE (CSV)
- ↓

Funder report

Select a funder to download report
European Commission

- ↓ PROJECTS (CSV)
- ↓ ALL RESEARCH PRODUCTS (CSV)
- ↓ PUBLICATIONS (CSV)
- ↓ RESEARCH DATA (CSV)

Embed results

Select content type to embed
All Research products

```
<script type="text/javascript">
<!--
document.write('<div id="oa_widget"></div>');
document.write('<script type="text/javascript" src="https://beta.openaire.eu/index.php?option=com_openaire&view=widget&format=raw&';
-->
</script>
```

COPY SCRIPT

For further information contact us at helpdesk@openaire.eu

Download report

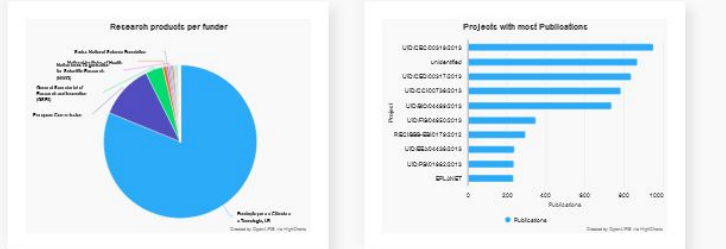
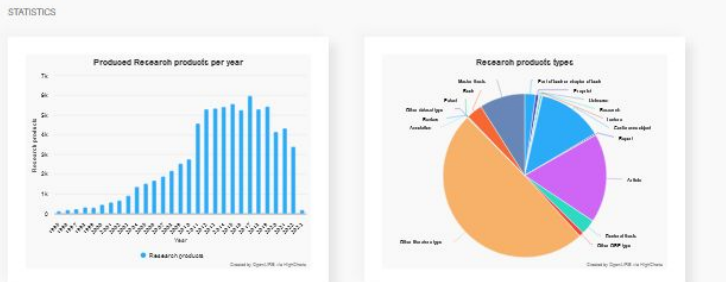
Select content type report to download
All Research products

- ↓ DOWNLOAD EC REPORT (HTML)
- ↓ DOWNLOAD EC REPORT (CSV)

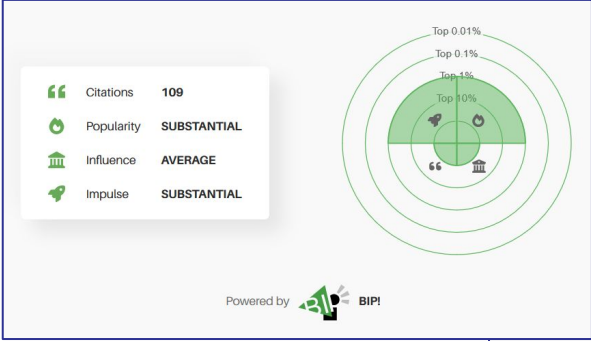
Download HTML or CSV report of the related research products of a funder

Embed the related research products of a project in your website

Statistics & Metrics & Impact-based indicators



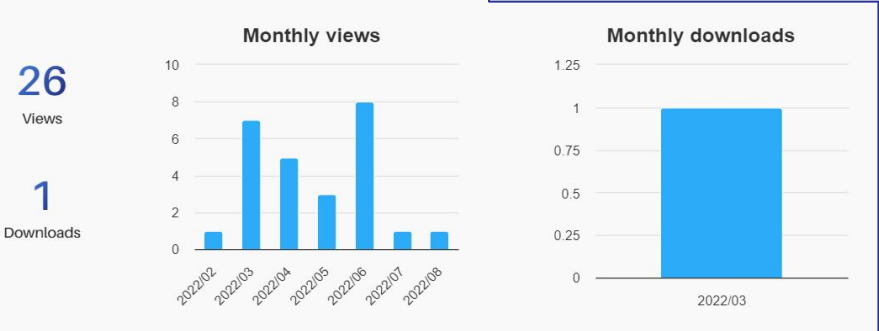
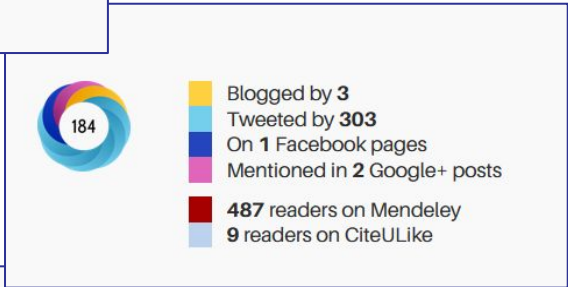
Statistics



Impact-based indicators

Altmetrics


Usage counts





Fields of Science (FoS)

Home page

Advanced search


Search in Explore 

Try browsing by:

-  SUSTAINABLE DEVELOPMENT GOALS (SDGs) →
-  FIELDS OF SCIENCE (FOS) →

Detailed page

Beta
SDGs

 3. Good health Suggest

Beta
Fields of Science (5) View all & suggest >

- medical and health sciences
- clinical medicine

Field of Science [B... (100)

- 03 medical and health... (4,197,459)
- [0302 clinical medicine \(3,176,205\)](#)
- 01 natural sciences (2,896,072)
- 02 engineering and te... (2,171,326)
- 0103 physical sciences (1,853,693)
- 0301 basic medicine (1,503,326)

[View all >](#)

Search filter

View contributions of research towards complex challenges of humanity


Home > Fields Of Science

Beta

Fields of Science .

We have integrated a Field of Science (FoS) taxonomy into our dataset to organize and discover research more effectively. Using the full capabilities of the OpenARE Research Graph (full texts, citations, references, venues) we apply AI and bring forward any multidisciplinary potential.

Our work is based on the work from our partner Athena Research Center: SciNoBo : A Hierarchical Multi Label Classifier of Scientific Publications - <https://doi.org/10.1145/3487553.3524677>



Write a key word to filter the content

01 Natural Sciences	01 natural sciences		
02 Engineering And Technology			
03 Medical And Health Sciences	0101 mathematics	0102 computer and information sciences	0103 physical sciences
04 Agricultural And Veterinary Sciences	010101 Applied Mathematics	010201 Computation Theory & Mathematics	010301 Acoustics
05 Social Sciences	010102 General Mathematics		010302 Applied Physics
06 Humanities And The Arts	010103 Numerical & Computational Mathematics		010303 Astronomy & Astrophysics
	010104 Statistics & Probability		010304 Chemical Physics
			010305 Fluids & Plasmas
			010306 General Physics
			010307 Mathematical Physics
			010308 Nuclear & Particles Physics
			010309 Optics
	0104 chemical sciences	0105 earth and related environmental sciences	0106 biological sciences
	010401 Analytical Chemistry	010501 Environmental Sciences	010601 Ecology
	010402 General Chemistry	010502 Geochemistry & Geochronology	010602 Entomology
	010403 Inorganic & Nuclear Chemistry		010603 Evolutionary Biology

Sustainable Development Goals (SDGs)

Advanced search

Search in Explore

Try browsing by:

- SUSTAINABLE DEVELOPMENT GOALS (SDGs) →
- FIELDS OF SCIENCE (FOS) →

Home page

Detailed page

Beta

SDGs Suggest

 3. Good health

Beta

Fields of Science (5) View all & suggest >

- medical and health sciences
- clinical medicine

Search filter

View contributions of research towards complex challenges of humanity

SDG [Beta] (16)

- 3. Good health (297,793)
- 13. Climate action (71,667)
- 16. Peace & justice (62,905)
- 14. Life underwater (48,339)
- 15. Life on land (32,302)
- 7. Clean energy (24,364)

[View all >](#)

Home > Sustainable Development Goals


Beta







Science for UN Sustainable Development Goals

Laying the foundation for new approaches and solutions.

We have developed a classification scheme for UN Sustainable Development Goals, to view contributions of research towards complex challenges for humanity such as climate change, biodiversity loss, pollution and poverty reduction.

For more information please visit <https://www.openaire.eu/openaire-explore-introducing-sdgs-and-fos>



1 NO POVERTY  22,780 RESEARCH PRODUCTS	2 ZERO HUNGER  105,314 RESEARCH PRODUCTS	3 GOOD HEALTH  528,291 RESEARCH PRODUCTS	4 EDUCATION  33,749 RESEARCH PRODUCTS
5 GENDER EQUALITY  8,236	6 CLEAN WATER  44,434	7 CLEAN ENERGY  129,159	8 ECONOMIC GROWTH  23,033

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Link

Linking

Users enhance the graph with relationships

- projects/funding
- communities
- research products

Home > Link

FIND SOURCES LINK SOURCES TO ENTITIES SUMMARIZE AND FINISH

1 2 3

SciNoBo

Openaire (1) Crossref (1) Datacite (1) Orcid (0)

YEAR RANGE TYPE ACCESS DOCUMENT TYPE

publication
SciNoBo : A Hierarchical Multi-Label Classifier of Scientific Publications
Authors: Gialitsis, Nikolaos; Kotitsas, Sotiris; Papageorgiou, Haris
Published: 2022

Sources to link (1) Link to

Upload a DOI's CSV file Remove all

SciNoBo : A Hierarchical Multi-Label Class...
Authors: Gialitsis, Nikolaos; Kotitsas, Sotiris; Papageorgiou, Haris

STEP 2 - LINK SOURCES TO ENTITIES →

FIND SOURCES LINK SOURCES TO ENTITIES SUMMARIZE AND FINISH

1 2 3

Type Projects

Entitles to link Search for Pr...

Research products
Projects
Research communities

No project results yet...
Start searching for projects to add them in the Basket

Sources to link (1) Link to

No entitles to link with the sources. Start adding entitles from the left panel.

ORCID Search & Link Wizard

ISTI Open Portal | View all 6 versions | Link to | Share | Cite | **Claim**

The OpenAIRE Research Graph Data Model

Publication » Report, Article • 17 Apr 2019 • English • Zenodo

Manghi, Paolo; **Bardi, Alessia**; **Atzori, Claudia**; **Baglioni, Miriam**; **Manola, Natalia**; **Schirwagen, Jochen**; **Principe, Pedro**;
DOI: 10.5281/zenodo.2643199

Citations	18
Popularity	AVERAGE
Influence	AVERAGE
Impulse	AVERAGE
Views	4K
Downloads	3K

Funded by View all >
EC| RISIS 2, EC| OpenAIRE-Advance, EC| OPENAIREPLUS, EC| OpenAIRE-Connect

science scholarly communication in Europe. The support of the free flow, access, sharing, and re-use facilitates exchange of knowledge, and operates the geographic and discipline boundaries. OpenAIRE organizations, and data sources. In this article we

RESEARCH PRODUCTS (5) | PROJECTS (10) | DATA SOURCES (1) | ORGANIZATIONS (0)

5 Research Products for "Research Graph"

DOWNLOAD RESULTS

PUBLICATIONS x | 2019-2023 x | OPEN ACCESS x | REPORT x

Sort by Relevance

The OpenAIRE Research Graph Data Model

Publication » Report, Article • 2019 • Italy, Germany • English • Zenodo • EC | RISIS 2 (824091), EC | OpenAIRE Advance (777541), EC | OPENAIREPLUS (283595) ...

Manghi, Paolo; **Bardi, Alessia**; **Atzori, Claudia**; **Baglioni, Miriam**; +3 Authors
DOI: 10.5281/zenodo.2643199

The purpose of the European OpenAIRE infrastructure is to facilitate, foster, support, and monitor Open Science scholarly communication in Europe. The infrastructure has been operational for almost a decade and successful in linking people, ideas and resources in support of the free flow, access, sharing, and re...

ISTI Open Portal | Link to | Share | Cite | **Claim** | 18 | 4K

Grant OpenAIRE to access and update your ORCID record and works.

Add research product in ORCID record

My ORCID links

My ORCID links


Discover research products related to you →

Did you link a result with your ORCID  but the **green icon** is missing?

No worries! It will appear, as soon as we synchronize again with ORCID data. Latest synchronization was on Jan 1, 2023. [Read more](#) 

4 Research Products, Page 1 of 1

Solvated protein-DNA docking using HADDOCK

 **Publication** » Article • 2013 • Netherlands • Springer Science and Business Media LLC • EC | EGH-INSPIRE (261323), NWO | Predicting, modelling and... (2300135688), EC | WENMR (261572)

Visscher K.M.; Bonvin A.M.J.J.; Kastiris P.L.; Van Dijk M.;

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