

Practising Open Science with OpenAIRE

Iryna Kuchma (EIFL)

Alessia Bardi and Paolo Manghi (CNR-ISTI)

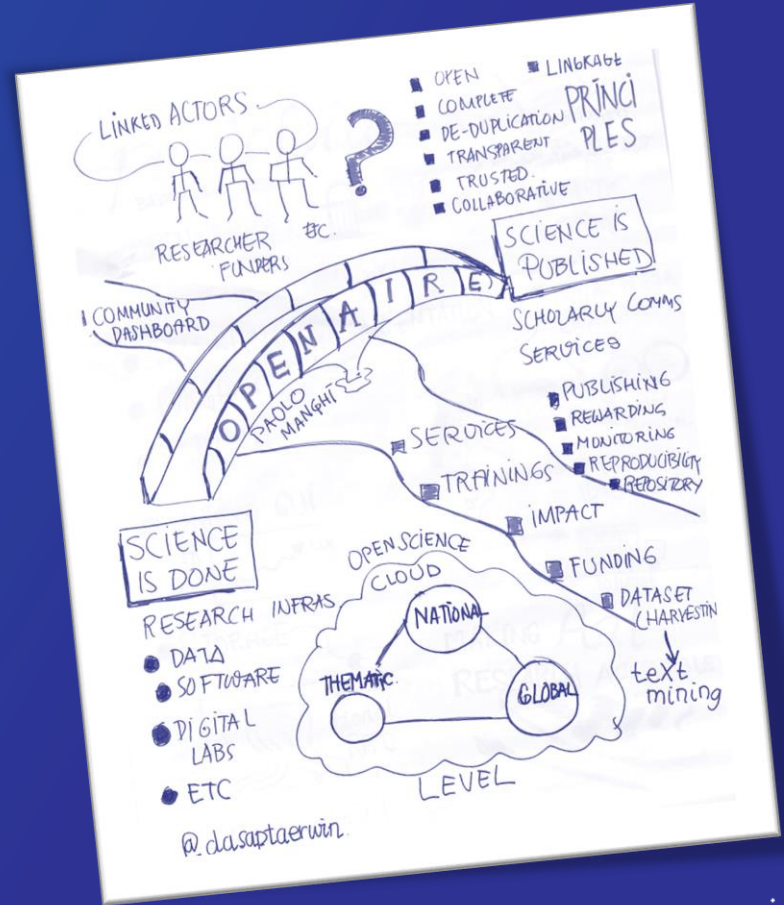
Eugenia Kyriotis (Ellinogermaniki Agogi)

Androniki Pavlidou, Katerina Iatropoulou, Argiro Kokogiannaki,
Konstantina Galouni, Manolis Terrovitis (Athena Research Center)



OpenAIRE

Bridging the worlds
where science is
performed and
science is
published



<https://explore.openaire.eu>



All content Search in OpenAIRE for scholarly works

122M publications deduplicated



Our growing Community

22 FUNDERS	78K CONTENT PROVIDERS	3M PROJECTS
121,854,616 PUBLICATIONS	13,862,349 RESEARCH DATA	
201,841 SOFTWARE	7,759,661 OTHER RESEARCH PRODUCTS	

Extracted Metadata Combined.

The OpenAIRE Research Graph is one of the largest open scholarly record collections worldwide, key in fostering Open Science and establishing its practices in the daily

11:27 PM 11/24/2020

explore.openaire.eu

OpenAIRE | Search for research | x

https://explore.openaire.eu/search/find

EXPLORE PROVIDE CONNECT MONITOR DEVELOP

OpenAIRE | EXPLORE

SEARCH DEPOSIT LINK CONTENT PROVIDERS SIGN IN

All content Search for research outcomes, projects, content providers & orga

SEARCH

Advanced Search

RESEARCH OUTCOMES (54,764,407)

PROJECTS (2,812,592)

CONTENT PROVIDERS (78,064)

ORGANIZATIONS (147,114)

Filters

X Open Access

Results per page:

10

Sort by:

Relevance

Download Results

Access Mode (1)

Clear

54,764,407 RESEARCH OUTCOMES, PAGE 1 OF 5,476,441

1 2 3 4 5 >

Open Access (54,764,407)

Result Types (4)

- Publications
- Research data
- Software
- Other research products

Year range

Publication . Part Of Book Or Chapter Of Book . 2009

Chapter 83 – NEUROPSYCHOLOGICAL ASSESSMENT OF THE DEVELOPING CHILD

OPEN ACCESS

Authors: Jane Holmes Bernstein;

Publisher: Elsevier

Publication . Article . 2020

Search

All content ▼ Search for research outcomes, projects, content providers & organizations in OpenAIRE SEARCH

Advanced Search

All content ▼ Search by title, author, abstract, DOI, orcid... SEARCH

Advanced search

- All content
- Research outcomes
- Projects
- Content providers
- Organizations

Advanced search in Research outcomes Quick search

FIELD TO SEARCH	TERM
Project ▼	<input type="text" value="[OpenAIRE-Advance] OpenAIRE Advancing Open Scholarship (777541)"/> ×
	and ▼ ⊖
Author ▼	<input type="text" value="manghi"/> ×
	⊖
	+ ADD RULE

SEARCH

Search

The screenshot shows a search interface with the following elements:

- Search Bar:** A dropdown menu set to "All content" and a search input field containing the word "science". A "SEARCH" button is to the right.
- Results Count:** A box highlights "RESEARCH OUTCOMES (24,407,933)".
- Filters:** A section titled "Filters" with a sub-filter "Open Access".
- Access Mode (6):** Radio buttons for Restricted (15,346,614), Open Access (6,413,607), Closed Access (105,931), Embargo (3,074), Open Source (1,384), and Other (466).
- Research Type (4):** A box highlights checkboxes for Publications, Research data, Software, and Other research products.
- Year range:** Input fields for "e.g. 1800" and "e.g. 2030" with a search icon.
- Navigation:** "THIS YEAR | LAST 5 YEARS | LAST 10 YEARS" at the bottom.
- Results:** A list of search results, including "This Week in SCIENCE" and "Lecture Notes in Computer Science: Preface".

Simple Search Page:

- keyword search
- Exact terms using quotes (e.g "open science")
- Persistent identifier (one or more space separated)
 - DOI
 - ORCID
 - PMCID
 - PMID
 - Handle

Search filters

Year range

 - 

[THIS YEAR](#) | [LAST 5 YEARS](#) | [LAST 10 YEARS](#)

Funder (21)

- European Commission (291,948)
- National Institutes of... (213,588)
- National Science Found... (190,002)
- Wellcome Trust (62,271)
- Research Council UK (57,783)
- Fundação para a Ciência... (45,518)

[+ View all](#)

Funder (30)

- European Commission (590,091)
- National Institutes of... (234,886)
- National Science Found... (209,712)
- Wellcome Trust (63,881)
- Research Council UK (49,627)
- Fundação para a Ciência... (48,329)

Top 100 values are shown in the filters

 Sort by:
Results ... ▼

- European Commission (590,091)
- National Institutes of... (234,886)
- National Science Found... (209,712)
- Wellcome Trust (63,881)
- Research Council UK (49,627)
- Fundação para a Ciência... (48,329)
- Natural Sciences and Fn... (47,379)

[- View less](#)

Funder (30)

- European Commission (590,091)
- National Institutes of... (234,886)
- National Science Found... (209,712)
- Wellcome Trust (63,881)
- Research Council UK (49,627)
- Fundação para a Ciência... (48,329)

Top 100 values are shown in the filters

 Sort by:
Results number

- European Commission (590,091)
- National Institutes of... (234,886)
- National Science Found... (209,712)
- Wellcome Trust (63,881)
- Research Council UK (49,627)
- Fundação para a Ciência... (48,329)
- Natural Sciences and Fn... (47,379)

[- View less](#)

Refine fields depend on the entity

Advanced Search

Advanced search in **Research outcomes** Quick search

FIELD TO SEARCH TERM

Project [OpenAIRE-Advance] OpenAIRE Advancing Open Scholarship (777541) and

Author manghi

ADD RULE

SEARCH

Filters

Open Access

Access Mode (1) Clear

Open Access (31)

Research Type (4)

Publications

Research data

Software

Other research products

Year range

e.g. 1800 - e.g. 2030

THIS YEAR | LAST 5 YEARS | LAST 10 YEARS

Funder (2)

European Commission (31)

Wellcome Trust (1)

Type (10)

Other literature type (14)

Results per page: 10 Sort by: Relevance Download Results

31 RESEARCH OUTCOMES, PAGE 1 OF 4

1 2 3 4 >

Other Research Product - Lecture - 2020
Software's Scholarly Communication Life-cycle - The OpenAIRE's View
OPEN ACCESS ENGLISH
Authors: Manghi, Paolo;
DOI: 10.5281/zenodo.3958871 10.5281/zenodo.3958872
Project: EC | OpenAIRE-Advance (777541)
Presentation at WOSSL Workshop on Open Source Software Lyfe-cycles. "The objective of this workshop is to bring together the scientists' communities of Astrophysics, Astroparticle Physics and Particle Physics who are leading the software development within their domain...."

Other Research Product - Lecture - 2019
Research Graphs: Getting the Best out of PIDs
OPEN ACCESS ENGLISH
Authors: Paolo Manghi;
DOI: 10.5281/zenodo.3432885 10.5281/zenodo.3432886
Project: EC | OpenAIRE-Advance (777541)
Presentation at the Workshop "How Identifiers can help you in Open Science" at the Open Science Fair 2019 in Porto, Portugal. Organisers & Speakers: Frances Madden - The British Library, Helena Cousijn - DataCite, Paolo Manghi - ISTI-CNR, Jessica Parland-von Essen - CSC...

Fields list

All fields
Title
Author
Author ORCID
Description
Subject
Publisher
Access Mode
Community
Collected from Content Provider
Hosting Content Provider
Publication Date
Funder
Funding Stream
Funding Substream level 1
Funding Substream level 2
Language
Organization
PID
Project
Type

Fields depend on the entity

Search Results

Publication . Conference Object . 2008

OAI-publishers in repository infrastructures

OPEN ACCESS

ENGLISH

Authors:  Paolo Manghi;

Publisher

Paolo Manghi

Project: E

ORCID

OAI-Publi

the digita

containec

0000-0001-7291-3210



...i-PMH protocol interface, enabling harvesting of metadata records describing modules are manually configured and implemented to export records

Search **Paolo Manghi** in OpenAIRE

SEARCH

Search for results with this ORCID

Publication

Enablin

OPEN AC

Authors:  Paolo Manghi;

Project: EC | DRIVER+ (607798)

A knowledge infrastructure is a basic physical and organisational framework which provides facilities needed by scientists to share, use and create knowledge. Several discussions are currently on-going on how knowledge infrastructures might be built and a few attempts a...

...s: the DRIVER experience

Search Results

Results per page:

10

Sort by:

Relevance

Publication · Article · Preprint · 2017

[Quantum properties of the radiation emitted by a conductor in the Coulomb blockade regime](#)

OPEN ACCESS

Authors: Mora, Christophe; Altimiras, Carles; Joyez, Philippe; Portier, Fabien;

DOI: [10.1103/physrevb.95.125311](https://doi.org/10.1103/physrevb.95.125311)

Publisher: American Physical Society (APS)

Project: EC | NSECPROBE (639039)

We present an input-output formalism describing a tunnel junction strongly coupled to its electromagnetic environment. We exploit it in order to investigate the dynamics of the radiation being emitted and scattered by the junction. We find that the non-linearity imprint...

[Click and go to the detailed page](#)

Publication · Article · Other Literature Type · 2018

[Media uses and production practices: case study with teens from Portugal, Spain and Italy](#)

OPEN ACCESS ENGLISH

Authors: [Pereira, Sara](#); [Moura, Pedro](#); [Masanet, Maria-Jose](#); Taddeo, Gabriella; [Tirocchi, Simona](#); University of Minho; University of Minho; Universitat Pompeu Fabra; INDIRE (National Institute for Documentation, Innovation and Research in Education);

Publisher: Universidad de Guadalajara

Project: EC | TRANSLITERACY (645238), FCT | UID/CCI/00736/2013 (147330)

This paper presents some of the main results of a study conducted with teens from Portugal, Spain and Italy in the scope of the European project Transmedia Literacy. It analyses the media uses and production practices of teenagers aged 12-19 years. The results show that...

Results per page:

10

Sort by:

Relevance

Date (most recent)

Date (least recent)

43,197,833 RESEARCH OUTCO

↓ Download Results

Download the first 2000 results

↓ Download Results

Research outcome landing page

Publication . Article . Other Literature type . 2015

A novel liquid organic hydrogen carrier system based on catalytic peptide formation and hydrogenation

Hu, Peng; Fogler, Eran; Diskin-Posner, Yael; Iron, Mark A.; Milstein, David;

[OPEN ACCESS](#) [ENGLISH](#)

Published: 17 Apr 2015 | Journal: Nature Communications, volume 6 (eissn: 2041-1723, [Copyright policy](#))

Publisher: Nature Pub. Group



[LINK THIS PUBLICATION TO...](#)

[CITE THIS PUBLICATION](#)



SUMMARY

REFERENCES

31

SUPPLEMENTARY
OUTCOMES

RELATED RESEARCH

Relations with other
research results

Abstract

Hydrogen is an efficient green fuel, but its low energy density when stored under high pressure or cryogenically, and safety issues, presents significant disadvantages; hence finding efficient and safe hydrogen carriers is a major challenge. Of special interest are liquid organic hydrogen carriers (LOHCs), which can be readily loaded and unloaded with considerable amounts of hydrogen. However, disadvantages include high hydrogen pressure requirements, high reaction temperatures for both hydrogenation and dehydrogenation steps, which require different catalysts, and high LOHC cost. Here we present a readily reversible LOHC system based on catalytic peptide format...

[Read more](#)

DOI: [10.1038/ncomms7859](https://doi.org/10.1038/ncomms7859)

PMID: [25882348](https://pubmed.ncbi.nlm.nih.gov/25882348/)

PMC: [PMC4410633](https://pubmed.ncbi.nlm.nih.gov/PMC4410633/)

Subjects

FREE TEXT KEYWORDS: Article, General Biochemistry, Genetics and Molecular Biology, General Physics and Astronomy, General Chemistry, Ethanol, chemistry.chemical_compound, chemistry, Catalysis, Hydrogen carrier, Ethylenediamine, Molecular biology, Ruthenium, chemistry.chemical_element, Nanotechnology, Dipeptide, Biology, Dehydrogenation, Combinatorial chemistry, Hydrogen

Funded by

[EC | NOVCAT](#)

Download from

[View all 4 versions](#)

[Europe PubMed Central](#)

Article . 2015

Provider: PubMed Central

[Nature Communications](#)

Article . 2015

[Open Access](#)

[Nature Communications](#)

Article

Provider: UnpayWall

[Nature Communications](#)

Article

Provider: Microsoft Academic Graph

Research outcome landing page

Publication . Other literature type . 2018

OpenAIRE Connect workshop: OpenAIRE service for Research Communities: Open Science as-a-Service

 [Príncipe, Pedro](#);  [Bardi, Alessia](#);  [Baglioni, Miriam](#);  [Vieira, André](#);

Príncipe, Pedro

ORCID

0000-0002-8588-4196



Search **Príncipe, Pedro** in OpenAIRE

SEARCH

Search for results with this ORCID



LINK THIS PUBLICATION TO...



CITE THIS PUBLICATION

Download from

[View all 4 versions](#)



[FigShare](#)

Other Literature Type . 2018
Provider: FigShare



[Zenodo](#)

Other Literature Type . 2018
Provider: Datacite



[FigShare](#)


Other Literature Type . 2018
Provider: FigShare



[Zenodo](#)

Other Literature Type . 2018
Provider: Datacite

Subjects

 **FREE TEXT KEYWORDS:** Microbiology, Molecular Biology, Evolutionary Biology, Sociology, Inorganic Chemistry, Science Policy, Research communities, Research Community Dashboard, Open Science services, OpenAIRE Connect



Powered by OpenAIRE Open Research Graph

Last update of records in OpenAIRE: Sep 23, 2020

[Last update](#)

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

Research outcome landing page

Publication . Other Literature Type . 2018
OpenAIRE Connect workshop: OpenAIRE service for Research Communities: Open Science as-a-Service

[id](#) [Príncipe, Pedro](#); [id](#) [Bardi, Alessia](#); [id](#) [Baglioni, Miriam](#); [id](#) [Manghi, Paolo](#); [id](#) [Vieira, André](#);

Publication . Other Literature Type . 2018
OpenAIRE Connect workshop: OpenAIRE service for Research Communities: Open Science as-a-Service

[OPEN ACCESS](#) [ENGLISH](#)

Authors: [Príncipe, Pedro](#); [Bardi, Alessia](#); [Baglioni, Miriam](#); [Manghi, Paolo](#); [Vieira, André](#);

DOI: [10.5281/zenodo.1701895](https://doi.org/10.5281/zenodo.1701895) [↗](#)

<p>OpenAIRE-Connect workshop at the DI4R 2018 conference (Digital Infrastructures for Research Conference, Lisbon, Oct. 11, 2018).</p>

[Download from: FigShare](#) Provider: [FigShare](#)

Publication . Other Literature Type . 2018
OpenAIRE Connect workshop: OpenAIRE service for Research Communities: Open Science as-a-Service

[OPEN ACCESS](#) [ENGLISH](#)

Authors: [id](#) [Príncipe, Pedro](#); [id](#) [Bardi, Alessia](#); [id](#) [Baglioni, Miriam](#); [id](#) [Manghi, Paolo](#); [id](#) [Vieira, André](#);

[View all 4 versions](#)

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

Research outcome landing page

Publication . Article . Other Literature type . 2015

A novel liquid organic hydrogen carrier system based on catalytic peptide formation and hydrogenation

Hu, Peng; Fogler, Eran; Diskin

[OPEN ACCESS](#) [ENGLISH](#)

Published: 17 Apr 2015

Publisher: Nature Pub. Group

SUMMARY

REFERENCES

31

Abstract

Hydrogen is an efficient green fuel, but its low energy density when safety issues, presents significant disadvantages; hence finding efficient Of special interest are liquid organic hydrogen carriers (LOHCs), v considerable amounts of hydrogen. However, disadvantages inclu reaction temperatures for both hydrogenation and dehydrogenation LOHC cost. Here we present a readily reversible LOHC system based o

DOI: [10.1038/ncomms7859](https://doi.org/10.1038/ncomms7859)

PMID: [25882348](https://pubmed.ncbi.nlm.nih.gov/25882348/)

PMC: [PMC4410633](https://pubmed.ncbi.nlm.nih.gov/PMC4410633/)

Subjects

FREE TEXT KEYWORDS: Article, General Biochemistry, Genetics and Astronomy, General Chemistry, Ethanol, chemistry.chemical_compoun Ethylenediamine, Molecular biology, Ruthenium, chemistry.chemical_e Dehydrogenation, Combinatorial chemistry, Hydrogen

Link this publication to

Projects

LINK THIS PUBLICATION TO...

CITE THIS PUBLICATION

10

Create links with other OpenAIRE entities

LINK TO PROJECTS

Start searching for projects and add them to the basket to link them to your sources

Openaire

SEARCH

Active within

e.g. 1800 - e.g. 2030

Funder (1)

European Commission (6)

6 PROJECTS, PAGE 1 OF 2

project [OpenAIRE-Connect] OpenAIRE - CONNECTING scientific results in support of Open Science	Funder EC	GrandId 731011 Duration 2017-2019	+
project [EnerMaps] Open Source Tools to Share, Compare, and Reuse Low-Carbon Energy Data	Funder EC	GrandId 884161 Duration 2020-2022	+
project [EOSC Enhance] Enhancing the EO SC portal and connecting thematic clouds	Funder EC	GrandId 871160 Duration 2019-2021	+
project [OpenAIRE-Advance] OpenAIRE Advancing Open Scholarship			+

Linking functionality

LINKS BASKET

SOURCE

[OpenAIRE input on UNESCO's open science consu...](#)

[PUBLICATION](#) [OPEN ACCESS](#)

LINK TO (0)

Entities to link with the sources

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

FINISH LINKING

Project landing page

Project . 2018 - 2021 . On going
OpenAIRE-Advance
OpenAIRE Advancing Open Scholarship

OPEN ACCESS MANDATE FOR PUBLICATIONS AND RESEARCH DATA

EUROPEAN COMMISSION


Funder: **European Commission** Project code: 777541 Call for proposal: H2020-EINFRA-2017
Funded under: H2020 | RIA Overall Budget: 10,000,000 EUR Funder Contribution: 10,000,000 EUR
Status: On going


Start Date End Date
01 Jan 2018 28 Feb 2021

[Detailed project information \(CORDIS\)](#) →



 **LINK THIS PROJECT TO...**

 **DEPOSIT YOUR RESEARCH**

 **SHARE RESULTS**

 **DOWNLOAD REPORT**


28,267

Relations with other OpenAIRE entities

SUMMARY

PUBLICATIONS	RESEARCH DATA	SOFTWARE	OTHER RESEARCH	STATISTICS
65	6	3	73	

Description

OpenAIRE-Advance continues the mission of OpenAIRE to support the Open Access/Open Data mandates in Europe. By sustaining the current successful infrastructure, comprised of a human network and robust technical services, it consolidates its achievements while working to shift the momentum among its communities to Open Science, aiming to be a trusted e-Infrastructure within the realms of the European Open Science Cloud. In this next phase, OpenAIRE-Advance strives to empower its National Open Access Desks (NOADs) so they become a pivotal part within their own national data infrastructures, positioning OA and open science onto national agendas. The capacity building ac...


[Read more](#)

Partners

[Ghent University](#), [BIU](#), [University of Vienna](#), [CVTI SR](#), [KNAW](#), [University of Southeastern Philippines](#), [UFCA](#), [Universidad Lux](#), [UW](#), [Delft University of Technology](#), [UCY](#), [UH](#), [RBI](#), [ATHENA - RESEARCH AND INNOVATION CENTER](#), [Landspítali University Hospital](#), [COUPERIN](#), [Jisc](#), [University of Edinburgh](#), [LU](#), [University of Konstanz](#), ...

[View all 51 organizations](#)

Project landing page

SUMMARY	PUBLICATIONS 65	RESEARCH DATA 6	SOFTWARE 3	OTHER RESEARCH 73	STATISTICS 
---------	---------------------------	--------------------	---------------	----------------------	---

[View all in search page](#)

Recent Publications

[VIEW ALL →](#)

Publication · Article · 2020
Open Science Graphs Must Interoperate!
OPEN ACCESS ENGLISH
Authors: Amir Aryani; Martin Fenner; Paolo Manghi; Andrea Mannocci; Markus Stocker;
Project: EC | FREYA (777523), EC | ScienceGraph (819536), EC | OpenAIRE-Advance (777541)
Open Science Graphs (OSGs) are Scientific Knowledge Graphs whose intent is to improve the overall FAIRness of science, by enabling open access to graph representations of metadata about people, artefacts, institutions involved in the research lifecycle, as well as the r...

Publication · Article · 2020
Recommendations for Services in a FAIR DataEcosystem
OPEN ACCESS
Authors: Koers, Hylke; Bangert, Daniel; Hermans, Emilie; van Horik, René; de Jong, Maaïke; Mokrane, Mustapha;
Project: EC | FREYA (777523), EC | FAIRsFAIR (831558), EC | EOSC-hub (777536), EC | RDA Europe 4.0 (777388), EC | OpenAIRE-Advance (777541)
This article puts forward recommendations for data and infrastructure service providers to support Findable, Accessible, Interoperable, and Reusable (FAIR) research data within the scholarly ecosystem. Such recommendations are important to coordinate progress in realisi...

Publication · Article · 2020
Entity deduplication in big data graphs for scholarly communication

Project landing page

Project . 2018 - 2021 . On going
OpenAIRE-Advance
OpenAIRE Advancing Open Scholarship

OPEN ACCESS MANDATE FOR PUBLICATIONS AND RESEARCH DATA EUROPEAN COMMISSION

Funder: **European Commission** Project code: 777541 Call for proposal: H2020-EINFRA-2017
Funded under: H2020 | RIA Overall Budget: 10,000,000 EUR Funder Contribution: 10,000,000 EUR
Status: On going

Start Date End Date
01 Jan 2018 28 Feb 2021

[Detailed project information \(CORDIS\) →](#)



LINK THIS PROJECT TO...

DEPOSIT YOUR RESEARCH

SHARE RESULTS

DOWNLOAD REPORT



Usage Statistics

Statistics for research outcomes

SUMMARY	PUBLICATIONS 65	RESEARCH DATA 6	SOFTWARE 3	OTHER RESEARCH 73	STATISTICS
---------	---------------------------	---------------------------	----------------------	-----------------------------	----------------

Description

OpenAIRE-Advance continues the mission of OpenAIRE to support the Open Access/Open Data mandates in Europe. By sustaining the current successful infrastructure, comprised of a human network and robust technical services, it consolidates its achievements while working to shift the momentum among its communities to Open Science, aiming to be a trusted e-Infrastructure within the realms of the European Open Science Cloud. In this next phase, OpenAIRE-Advance strives to empower its National Open Access Desks (NOADs) so they become a pivotal part within their own national data infrastructures, positioning OA and open science onto national agendas. The capacity building ac...

[Read more](#)

Partners

[Ghent University](#), [BIU](#), [University of Vienna](#), [CVTI SR](#), [KNAW](#), [University of Southeastern Philippines](#), [UFCA](#), [Universidad Lux](#), [UW](#), [Delft University of Technology](#), [UCY](#), [UH](#), [RBI](#), [ATHENA - RESEARCH AND INNOVATION CENTER](#), [Landspítali University Hospital](#), [COUPERIN](#), [Jisc](#), [University of Edinburgh](#), [LU](#), [University of Konstanz](#), ...

[View all 51 organizations](#)

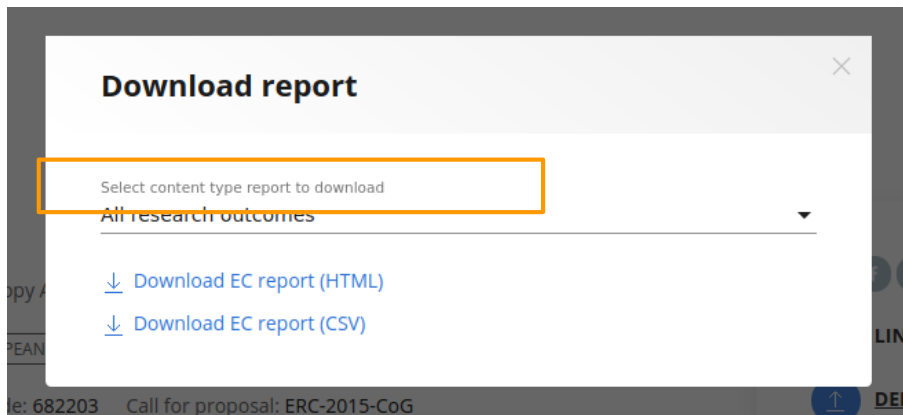
Project landing page



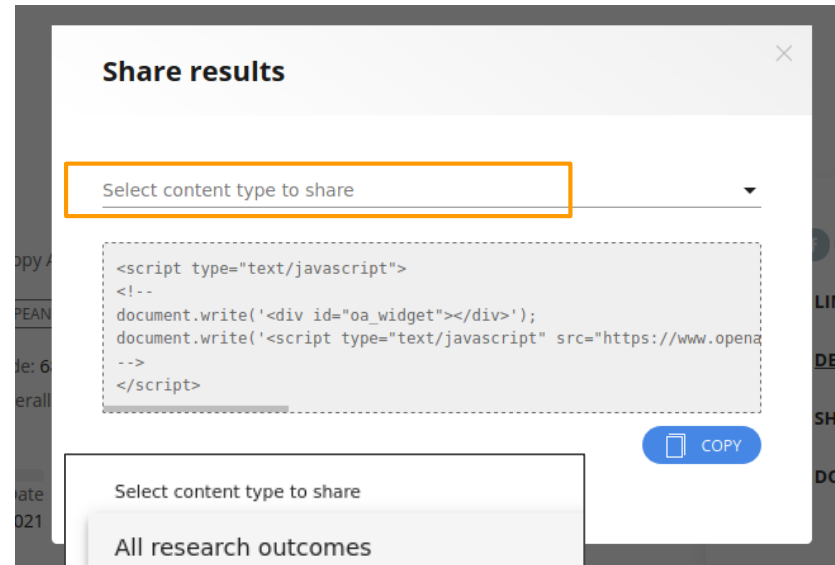
A vertical menu of options for project sharing and deposit. At the top is a row of social media icons (Twitter, Facebook, LinkedIn, etc.). Below are four main options, each with a circular icon: 'LINK THIS PROJECT TO...' (red link icon), 'DEPOSIT YOUR RESEARCH' (blue upload icon), 'SHARE RESULTS' (blue code icon), and 'DOWNLOAD REPORT' (blue download icon). The 'SHARE RESULTS' and 'DOWNLOAD REPORT' options are highlighted with orange rectangular boxes.

Include results

Download reports



A dialog box titled 'Download report' with a close button (X) in the top right. It features a dropdown menu labeled 'Select content type report to download' with 'All research outcomes' selected. Below the dropdown are two options: 'Download EC report (HTML)' and 'Download EC report (CSV)', each with a blue download icon. The dropdown menu is highlighted with an orange box.



A dialog box titled 'Share results' with a close button (X) in the top right. It features a dropdown menu labeled 'Select content type to share'. Below the dropdown is a dashed box containing a JavaScript snippet:

```
<script type="text/javascript">
<!--
document.write('<div id="oa_widget"></div>');
document.write('<script type="text/javascript" src="https://www.opena
-->
</script>
```

 To the right of the code is a blue 'COPY' button with a document icon.

Select content type to share

All research outcomes

Publications *Select the type of results*

Research data

Software

Other research products

Project landing page

A vertical navigation menu on the left side of the page. At the top, there is a row of social media icons: Twitter, Facebook, LinkedIn, a hamburger menu, GitHub, a network icon, an envelope, a speech bubble, and a plus sign. Below these icons are four action buttons, each with a circular icon and text: 1. A link icon (orange circle with a white link symbol) followed by the text "LINK THIS PROJECT TO...". This button is highlighted with an orange rectangular border. 2. An upward-pointing arrow icon (blue circle with a white arrow) followed by the text "DEPOSIT YOUR RESEARCH". 3. A double-headed arrow icon (blue circle with a white double-headed arrow) followed by the text "SHARE RESULTS". 4. A downward-pointing arrow icon (blue circle with a white downward arrow) followed by the text "DOWNLOAD REPORT".

Link project with openAIRE
research outcomes
or
Crossref, Datacite and ORCID
records

A composite screenshot of the project landing page showing the linking process. The main interface is titled "LINK TO RESEARCH RESULTS" and includes a search bar with the text "Start searching Research Outcomes and add them to the Basket to Link". Below the search bar, there are filters for "Year range" (e.g., 1800 - e.g., 2030) and "Result type (4)" (publication, other, dataset, software). A "Funder (24)" list is also visible, including the European Commission, Ministry of Education, Swiss National Science Foundation, etc. The search results show a list of items with their titles, authors, and publishers, such as "OpenAIRE Lod Dump" and "OpenAIRE Connect workshop: OpenAIRE service for Research".

Overlaid on the main interface are two smaller windows. The top window is titled "Link this project to" and shows a "Research outcomes" button. The middle window is a search interface for "LINK TO RESEARCH RESULTS" with a search bar and a "SEARCH" button. Below the search bar, it says "No research outcomes yet... Start searching for research outcomes to add them in the Basket".

On the right side of the main interface, there is a "LINKS BASKET" section. It shows "SOURCE: OpenAIRE-Advance" with "PROJECT" and "EC" tabs. Below this, it says "LINK TO (0)" and "Entities to link with the sources". There is a link to "Upload a DOI's CSV file" and a message: "No entities to link with the sources. Start adding entities from the left panel." At the bottom of the basket, there is a "FINISH LINKING" button with a right-pointing arrow.

An orange box with the text "Linking functionality" is positioned in the middle-right area of the screenshot.

Project landing page

LINK THIS PROJECT TO...

DEPOSIT YOUR RESEARCH

SHARE RESULTS

DOWNLOAD REPORT

Deposit information
Search for repository and view
deposition details

Deposit
functionality

Home | Deposit

Deposit or publish your research in Open Access

Find the appropriate repository or journal

Find the appropriate repository to deposit your research products of any type (publication, data, software, other) or to include in your data management plan. Search and browse for OpenAIRE compliant repositories registered in OpenDOAR and re3data.

Looking for Open Access journals? Find those that suit your needs among the journals registered in the Directory of Open Access Journals (DOAJ). To know more, read the OpenAIRE Open Access primer (<https://www.openaire.eu/oa-basics>)

Deposit

Find the repository to deposit your research or use the Zenodo repository.

Publish

Find the Open Access journals that suit your needs among those registered in the Directory of Open Access Journals (DOAJ).

Search by title, country, organization, subject, type... [Browse all](#)

OR

Home | Deposit | Browse Repositories

Search by name, description, subject...

Results per page: **10**

92,803 CONTENT PROVIDERS, PAGE 1 OF 9,281

1 2 3 4 5 >

Filters

Type (13)

- Journal (83,964)
- Institutional Repository (5,270)
- Data Repository (2,559)
- Thematic Repository (391)
- Journal Aggregator/Publisher (238)
- Publication Repository (200)

+ View all

Country (100)

- US (2,859)
- GB (2,337)
- ID (2,224)
- BR (1,799)
- DE (1,071)
- ES (1,054)

+ View all

Journal

Revista Colombiana de Computación

COLLECTED FROM A COMPATIBLE AGGREGATOR

Subject: Technology: Electrical engineering, Electronics, Nuclear engineering; Electronics: Computer engineering, Computer hardware | Science: Mathematics: Instruments and machines; Electronic computers, Computer science

Journal

Российский иммунологический журнал

COLLECTED FROM A COMPATIBLE AGGREGATOR

zenodo

Deposit your research now. Instantly and easily.

Research. Shared.
All research outputs from across all fields of research are welcome! Sciences and Humanities, really!

Citeable. Discoverable.
Uploads gets a Digital Object Identifier (DOI) to make them easily and uniquely citeable.

Funding
Link your upload to its funding projects. For research funded by the European Commission, your upload will automatically be available for reporting on the EC participant portal.

Flexible licensing
Because not everything is under Creative Commons.

Safe
Your research output is stored safely for the future in the same cloud infrastructure as CERN's own LHC research data.

Datasource landing page

Institutional Repository

RepositoriUM


Universidade do Minho: RepositoriUM

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

OPENAIRE 3.0 (OA, FUNDING)





Relations with other OpenAIRE entities

SUMMARY	RELATED CONTENT PROVIDERS	PUBLICATIONS	OTHER RESEARCH	STATISTICS
		61,251	1,417	

Description
Repository of the University of Minho, Portugal.

Latest data aggregation: Jul 7, 2020

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

OAI-PMH: <http://repositorium.sdum.uminho.pt/oai/oai> 
Detailed information @ [OpenDOAR](#) 

Datasource landing page

Institutional Repository

RepositoriUM

Universidade do Minho: RepositoriUM

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

OPENAIRE 3.0 (OA, FUNDING)



SUMMARY	RELATED CONTENT PROVIDERS	PUBLICATIONS 60,972	OTHER RESEARCH 1,405	STATISTICS
---------	---------------------------	-------------------------------	-------------------------	----------------

Recent Publications

[View all in search page](#)

[VIEW ALL →](#)

Publication . Article . Other Literature Type . Conference Object . 2020

[Minimum information guideline for spectrophotometric and fluorometric methods to assess biofilm formation in microplates](#)

OPEN ACCESS

ENGLISH

Authors: Jontana Allkja; Thomas Bjarnsholt; Tom Coenye; Paul Cos; Adyary Fallarero; Joe J. Harrison; Susana P. Lopes; Antonio Oliver; Maria Olvia Pereira; Gordon Ramage; ...

Project: EC | PRINT-AID (722467)

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.biofilm.2019.100010>. The lack of reproducibility of published studies is one of the major issues facing the scientific community, and the field of biofilm microbiology has been no excepti...

Datasource landing page


Institutional Repository
RepositoriUM

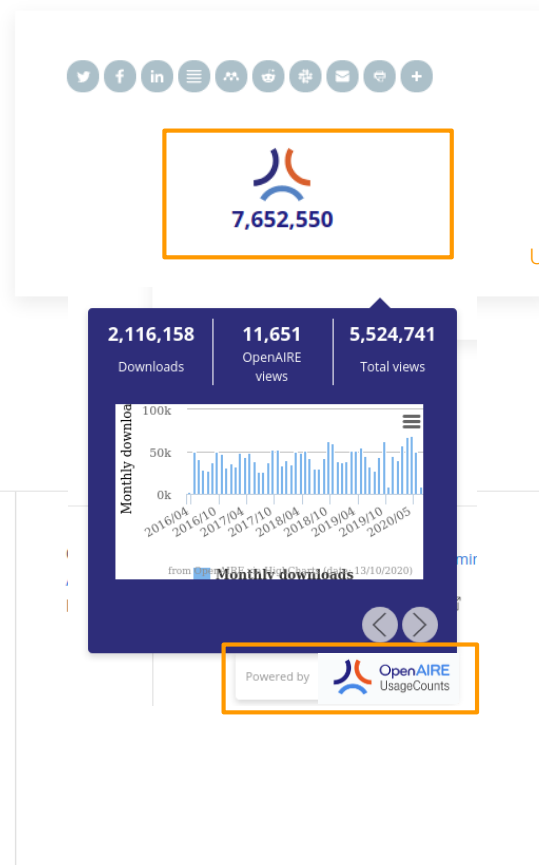
Universidade do Minho: RepositoriUM

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

OPENAIRE 3.0 (OA, FUNDING)

Statistics for research outcomes

SUMMARY	RELATED CONTENT PROVIDERS	PUBLICATIONS 61,251	OTHER RESEARCH 1,417	STATISTICS 
Description Repository of the University of Minho, Portugal.				
Latest data aggregation: Jul 7, 2020				
Subjects Science General, Technology General, Arts and Humanities General, Social Sciences General				



Usage Statistics

7,652,550

2,116,158 Downloads
11,651 OpenAIRE views
5,524,741 Total views

Monthly downloads

from 2016/04 to 2020/05


Powered by OpenAIRE UsageCounts

Detailed description: This is a screenshot of a 'Usage Statistics' overlay on a landing page. At the top, there is a row of social media icons. Below them is a large orange-bordered box containing the OpenAIRE logo and the number '7,652,550'. The main part of the overlay is a dark blue box with three columns of statistics: 'Downloads' (2,116,158), 'OpenAIRE views' (11,651), and 'Total views' (5,524,741). Below these is a bar chart titled 'Monthly downloads' showing data from 2016/04 to 2020/05. At the bottom of the overlay is a 'Powered by OpenAIRE UsageCounts' logo.

Organization landing page

Organization


Technion – Israel Institute of Technology

Web page: <http://www.technion.ac.il/> 

Country: Israel



 **DOWNLOAD CONTENT LISTS**

 **DOWNLOAD PROJECT LISTS**

FUNDING / PROJECTS
369

PUBLICATIONS
54,387

OTHER RESEARCH
3

Relations with other OpenAIRE entities

369 PROJECTS, PAGE 1 OF 74

1 2 3 4 5 >

Project . 2019 - 2024

NanoProt-ID (Proteome profiling using plasmonic nanopore sensors)

Funder: EC Project Code: 833399

Overall Budget: 2,498,870 EUR Funder Contribution: 2,498,870 EUR

[OPEN ACCESS MANDATE FOR PUBLICATIONS](#)


Partners: Technion – Israel Institute of Technology

To date, antibody-free protein identification methods have not reached single-molecule precision. Instead, they rely on averaging from many cells, obscuring the details of important biological processes. The ability to identify each individual protein from within a sing...

Organization landing page

Organization

Technion – Israel Institute of Technology

Web page: <http://www.technion.ac.il/> 

Country: Israel

[Download reports](#)



DOWNLOAD CONTENT LISTS



DOWNLOAD PROJECT LISTS

FUNDING / PROJECTS

369

PUBLICATIONS

54,387

OTHER RESEARCH

3

Recent Publications

[View all in search page](#)

[VIEW ALL →](#)

Publication . Other Literature Type . Preprint . 2020

[Automated one-loop computations in the SMEFT](#)

OPEN ACCESS

ENGLISH

Authors: Degrande, Céline; Durieux, Gauthier; Maltoni, Fabio; Mimasu, Ken; Vryonidou, Eleni; Zhang, Cen;

Project: EC | MCnetITN3 (722104)

Comment: 5 pages, 3 figures, 2 tables

Landing pages - Report an issue

Project . 1998 - 2002 . Closed

The Human Brain Project: Phase I

NATIONAL SCIENCE FOUNDATION

Funder: National Science Foundation Project code: 9820016

Funded under: Directorate for Biological Sciences | Division of Integrative Organismal Systems

Status: Closed

Start Date	End Date
01 Oct 1998	30 Sep 2002

Organizations: [NIH](#)

Powered by OpenAIRE Open Research Graph

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

[Report an issue](#)

< Back
Report issues in...

Project . 1998 - 2002 . Closed
The Human Brain Project: Phase I

Issue #1

Remove

Select the field to report the issue

Write your report here...

Issue #2

Remove

Select the field to report the issue

Write your report here...



Report issue for another field

Please leave us your E-mail to notify you about the reporting status.

E-mail

I'm not a robot



reCAPTCHA
Privacy - Terms

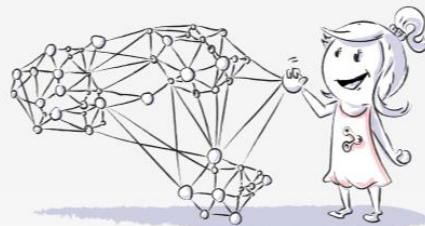


<https://graph.openaire.eu>

Open. Transparent. Interconnected.

OpenAIRE Research Graph is an open resource that aggregates a **collection of research data properties** (metadata, links) available within the OpenAIRE Open Science infrastructure for funders, organizations, researchers, research communities and publishers to interlink information by using a semantic graph database approach.

LEARN MORE



Why OpenAIRE Research Graph

Unlock the power of open science data

Open and transparent

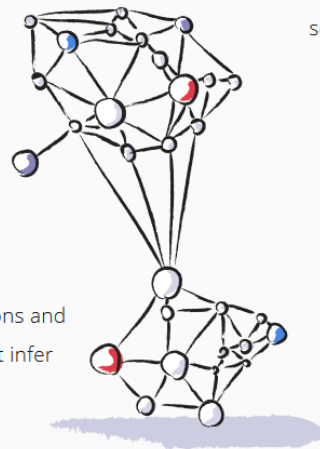
It is available for download and re-use as CC-BY (due to some input sources whose license is CC-BY); parts of the graphs can be re-used as CC-0; provenance is tracked at the level of the records and, when these are the result of full-text mining, of the properties (provenance also includes an indicator of trust, in the range [0..1]).

Intelligent linking

Abstracts, full-texts of Open Access publications and links are processed by several algorithms that infer new links and enrich the graph.

Decentralized and interoperable

Metadata and links are collected from data sources, such as institutional/data/software repositories, publishers, registries, and re-distributed to such sources via brokering services.



Embedded metrics

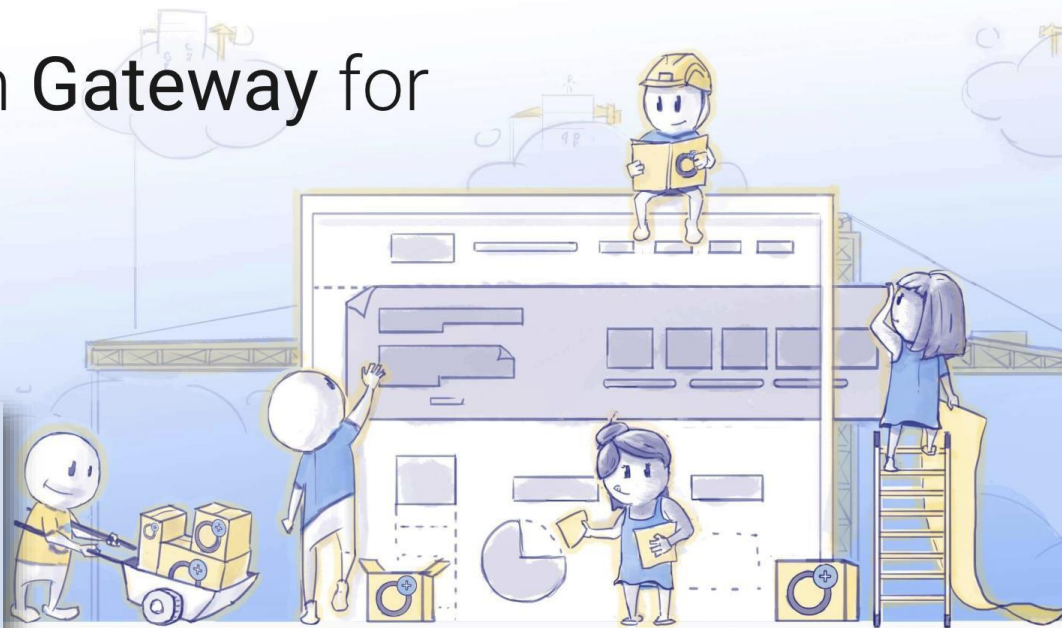
Powers up calculation of advanced statistics and metrics about Open Science and research impact.

Build an Open Research Gateway for your Community

Turn Open Science into practice

Share and link your research results.
Across organizations, across borders.
Customized to your needs.

LEARN HOW





2030 CONNECT

a United Nations online technology platform for the SDGs

2030 Connect is a dynamic new tool for entrepreneurs, innovators, students and leaders from around the world seeking to exchange ideas and technology, build networks, and work to advance the Sustainable Development Goals (SDGs).





Corona Virus Disease

COVID-19

Subscribe

Research outcomes

Search by title, author, abstract, DOI, orcid...

SEARCH

Advanced Search

SUMMARY	PUBLICATIONS 155,697	RESEARCH DATA 9,466	SOFTWARE 635	OTHER RESEARCH 6,857
---------	--------------------------------	-------------------------------	------------------------	--------------------------------

This portal provides access to publications, research data, projects and software that may be relevant to the Corona Virus Disease (COVID-19). The OpenAIRE COVID-19 Gateway aggregates COVID-19 related records, links them and provides a single access point for discovery and navigation. We tag content from the OpenAIRE Research Graph (10,000+ data sources) and additional sources. All COVID-19 related research results are linked to people, organizations and projects, providing a contextualized navigation.

Curated by: Alessia Bardi, Iryna Kuchma, Evgeny Bobrov, Ivana Truccolo, Elizabete Monteiro ...

View all 9 curators

Created: 16-Mar-2020 Members: 44
Projects: 130 Content Providers: 15
Linked to 7 Zenodo Communities

Subjects

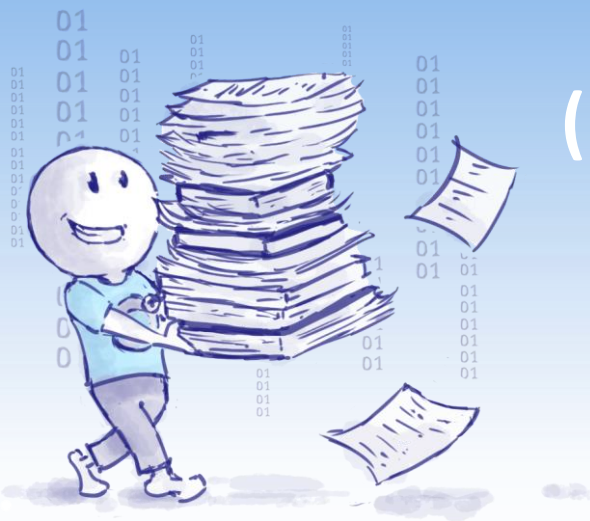
COVID19, SARS-CoV, HCoV-19, mesh:C000657245, MERS-CoV, Síndrome Respiratorio Agudo Severo, mesh:COVID-19, COVID2019, COVID-19, SARS-CoV-2, 2019 novel coronavirus, severe acute respiratory syndrome coronavirus 2, Orthocoronavirinae, Coronaviridae, mesh:D045169, coronavirus, SARS, coronaviruses, coronavirus disease-19, sars cov 2

View all

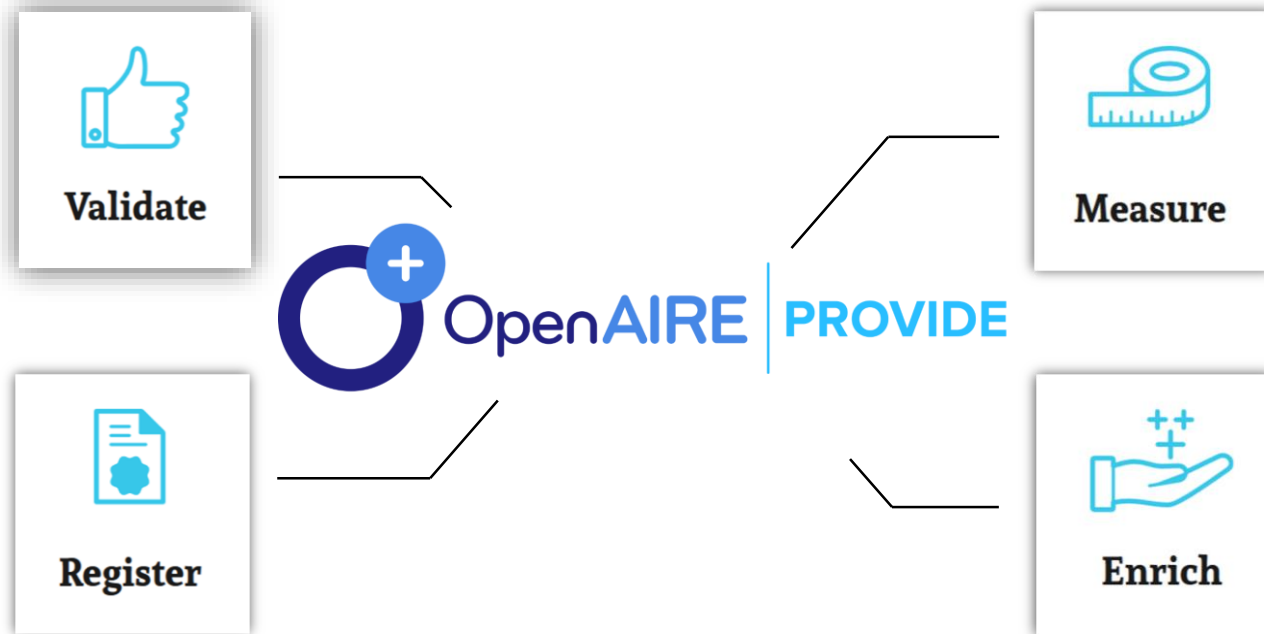
OpenAIRE Provide

Services for content providers
(repository and CRIS managers,
journal publishers)

*one stop shop for all OpenAIRE
content providers*



OpenAIRE Content Provider Dashboard

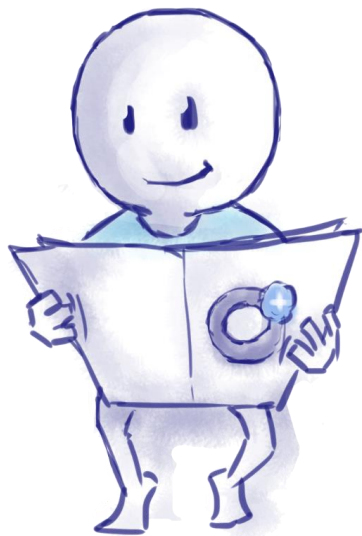


One-stop-shop web service where content providers (repositories, data archives, journals, aggregators, CRIS systems) **interact with OpenAIRE.** It provides the front-end access to many of OpenAIRE's backend services.

OpenAIRE Guidelines

OpenAIRE Guidelines to expose your metadata in order to integrate with OpenAIRE infrastructure.

<https://guidelines.openaire.eu/en/latest/>



Interoperability
Guidelines

Validator

Content Acquisition policy

Literature, Datasets, Software, other research products

OpenAIRE accepts the metadata records of all scientific products whose structure respect the model and semantics as expressed by the OpenAIRE guidelines.

Open Access and non-Open Access material will be included and links to other products will be resolved where this is possible.

<https://www.openaire.eu/data-aquisition-policy>

Your data is valuable. Get connected. Participate

The Provide Dashboard is a one-stop-service where content providers interact with OpenAIRE and become a building block of a global Open Research community. A gateway to the European Open Science Cloud.



SIGN IN

PROVIDE Dashboard brings all your data together

Get front-end access to many of OpenAIRE's backend services

The dashboard displays the following information:

- Navigation:** Register, Validator, Notifications.
- Repository:** Universidade do Minho: RepositoriUM
- Summary Metrics:**
 - Records collected on 2020-03-15: **50,046**
 - Enrichments: **44,028**
 - Downloads: **1,034,149**
 - Views: **11,725**
- Aggregation History:**
 - 2020-04-01: Aggregation stage TRANSFORM, Number of records 49,824
 - 2020-04-01: Aggregation stage COLLECT, Collection mode REFRESH, Number of records 50,259
 - 2020-03-28: Aggregation stage TRANSFORM, Number of records 49,773
 - 2020-03-28: Aggregation stage COLLECT
- Usage Statistics:** Line chart showing monthly views from 2017 to 2020. The chart shows a fluctuating trend with a notable peak in early 2020.
- Last month's reports:** AR1, IR1, RR1, BR1, BR2

<https://provide.openaire.eu>



Added-value services
On top of the
Research Graph



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.

Enrich Your Content - Browse Events

More

ADDITIONAL METADATA INFORMATION THAT MAY ENRICH OR
SUPPLEMENT UNIVERSIDADE DO MINHO: REPOSITORY CONTENT # OF EVENTS

Missing

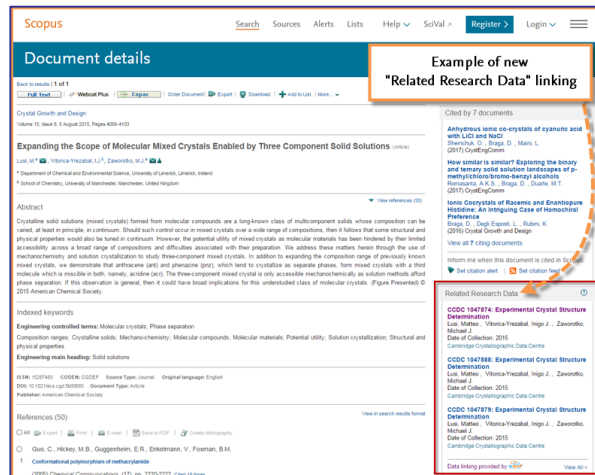
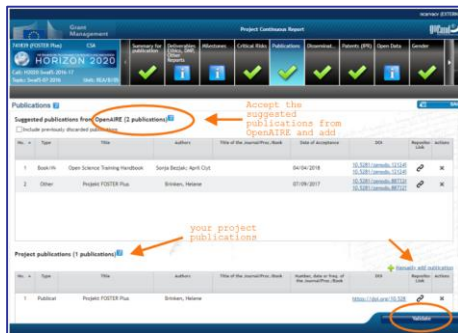
MISSING METADATA INFORMATION THAT MAY ENRICH OR
COMPLETE UNIVERSIDADE DO MINHO: REPOSITORY CONTENT # OF EVENTS

Integration with third-party services

EC SYGMA

Scopus

ORCID





Open Access Basics

An Open Access primer to get you started



An RDM Handbook

A primer on managing your research data

Toolkit for Policy Makers on Open Science and Open Access

[Read more](#)



Content providers

[Making your repository Open](#)

[Follow the OpenAIRE Guidelines](#)

[Follow the OpenAIRE Usage Statistics Guidelines](#)



Funders

[Why OpenAIRE Monitor](#)

[How to join OpenAIRE](#)

[Monitor Dashboard - Coming soon!](#)



Research Administrators

[OS Policy Checklist for RFOs](#)

[OS Policy Checklist for RPOs](#)

[Model Policy on OS for RFOs](#)

[Model Policy on OS for RPOs](#)

Guides for OpenAIRE services

Deposit your research outcomes

For researchers



Zenodo

Anonymize your data

For researchers



Anonymization

Report your publication and data to the EC

For project coordinators



Search & Share

Claim a publication or data to your funding

For researchers



Search & Share

Link literature & data

For content providers



Scholixplorer

Create, Link & Share DMPs

For researchers



ARGOS

Research Community Gateway

For researchers



CONNECT

Content Enrichment

For Repository Managers



OA Broker

Track the usage activity of your repository

For content providers



Usage Analytics

Register & Validate your repository

For content providers



Validator

<https://www.openaire.eu/guides>

Researchers

How to comply with H2020 mandates - publications

How can identifiers improve the dissemination of your research outputs?

> Research Data Management

How to comply with H2020 mandates - research data

Research Data Management costs in H2020 projects

How to make your data FAIR

How to find a trustworthy repository for your data

How to create a Data Management Plan for H2020 projects

Data formats for preservation

How to deal with non-digital data

How to deal with sensitive data

Raw data, backup and versioning

> Legal issues

How do I know if my research data is protected

How do I license my research data

Can I reuse someone else's research data



ABOUT

RESOURCES

CONTACT

LOG IN

<https://argos.openaire.eu/splash/>

Plan and follow your data

Create machine actionable DMPs.

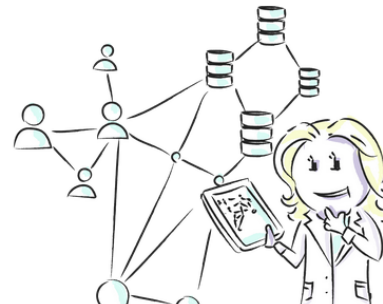
Configure to best fit your discipline.

Link to EOSC components out of the box.

Share easily in your repository.

Bring your Data Management Plans closer to where data are generated, analysed and stored.

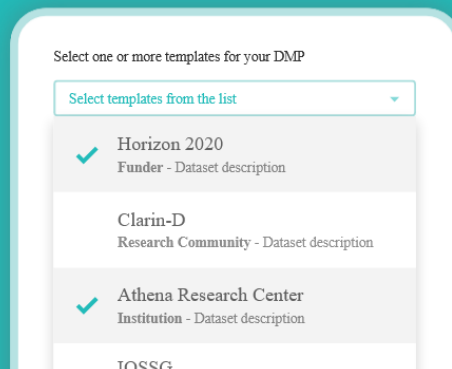
Start your DMP





Start your ARGOS experience

- 1 Select Templates
- 2 Fill the information
- 3 Share DMP





Produce DMP outputs

Close the data management planning lifecycle by publishing your DMPs in a FAIR manner. Assign licenses, PIDs and publish DMPs in a repository of your choice.



Re-use datasets & templates

Identify datasets to be re-used in your DMP. Copy or clone dataset descriptions to other DMPs.



Customise dataset descriptions

Differentiate DMPs from dataset descriptions. Describe your datasets with more than one template and tailor its content to your specific needs.

Update DMPs

Treat DMPs as living documents. Secure their provenance and continue work in new versions (new DOIs assigned).



Import and Export DMPs

Import a .json file of your DMP and continue work in ARGOS. Export DMPs in machine readable (.xml) and machine-actionable (.json) formats.



Connect with OpenAIRE & EOSC

Use OpenAIRE and EOSC underlying services, sources and semantics to ease completion of DMPs and trace the quality of your research.



Amnesia

Status and next steps



Why Amnesia

Anonymization provides a statistical guaranty about the risk of information leakage

It is the most suitable way to give information to third parties, without revealing personal data



User friendly



Works locally, no data transfer risk



Allows user to customize the solution



The only tool to offer anonymization for set-valued data



The only tool to support k^m -anonymity



Easy to incorporate to third party information systems

Citizen Science Activities

Schools
Seismograph
Network

Seismic Data



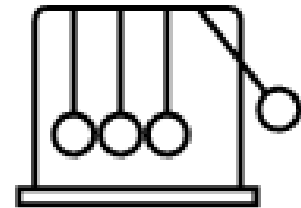
Open Schools
Journal for
Open Science

Open Science Journal



Bringing
Nobel Prize
Physics
to Classroom

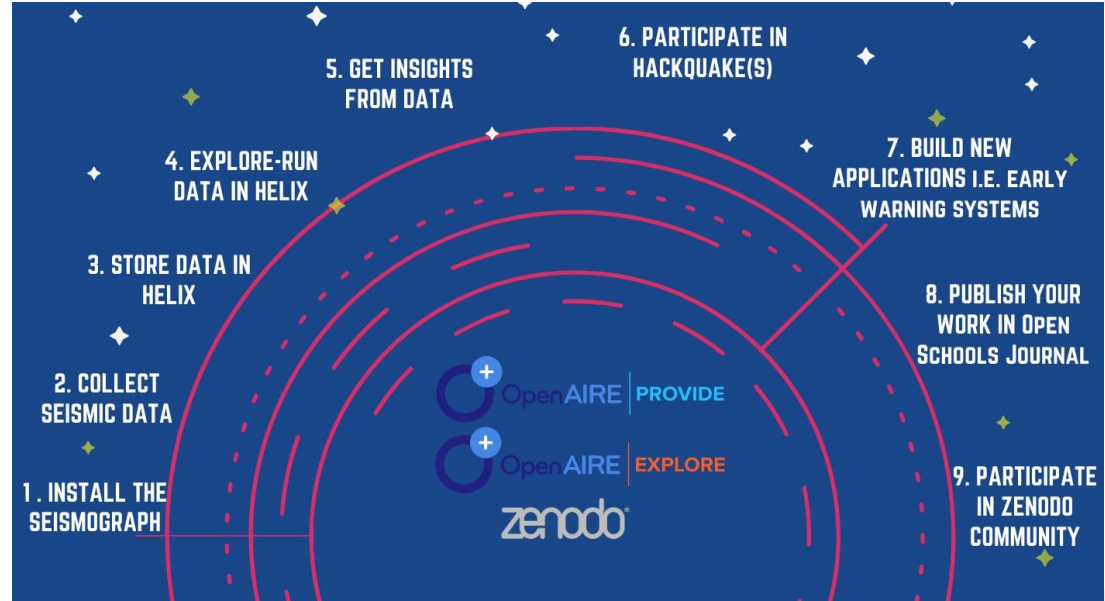
Access Research Data



Integration with OpenAIRE Services

Journal Articles

- Assigned DOI
- Indexed on OpenAIRE
- Findability
- Accessibility
- Interoperability
- Reusage





Open Schools Journal for Open Science



Home > Vol 3, No 10



The Open Schools Journal for Open Science is the first European peer review scientific journal which accepts original papers written by school age students from Primary to Secondary schools across Europe under the mentoring of their Teachers on all aspects of Science, Engineering and Technology. Students and Teachers via school projects produce scientific data that are invited to be published in this journal. The Journal publishes articles on a regular basis. Publication is free of charge and the Journal carries articles in various languages.



[OPEN JOURNAL SYSTEMS](#)

[Journal Help](#)

<https://ejournals.epublishing.ekt.gr/index.php/openschoolsjournal/index>

Vol 3, No 10
Table of Contents



User

Username

Password

Remember me

[Login](#)

Notifications

- [View](#)
- [Subscribe](#)

Γλώσσα/Language

Select Language

English

[Submit](#)

Journal Content

Search

Search Scope

All

[Search](#)

New discovery!

Κυνήγι Εξωπλανητών

Ανδρέας Βατίστας Βατίστας, Θανάσης Βασιλαίνας Βασιλαίνας, Εμμέλεια Βουτιέρου, Φωτεινή-Μαρία Δραβίλλα, Γιώργος Καλπαξής, Ρένια Μενέγου, Παναγιώτης Μιχάλαϊνας, Ιάσωνας Παυλόπουλος, Δήμητρα Πίνα, Θωμάς Πιτσαργιώτης, Γιώργος Τσακίρης, Στέλιος Φραγκουδάκης, Δρ. Σωτήριος Τσαντίλας Views: 64 Downloads: 41

DOI: <https://doi.org/10.12681/osj.22398>

Abstract

Από το 2009 το διαστημικό τηλεσκόπιο Kepler καταγράφει τις μικρές ελαττώσεις (εκλείψεις) στο φως μακρινών αστέρων που οφείλονται στη διάβαση (transit) πλανητών από μπροστά τους. Σκοπός μας είναι να εντοπίσουμε πλανήτες σε τροχιά γύρω από μακρινά άστρα από τα δεδομένα της αποστολής Kepler, χρησιμοποιώντας τη Μέθοδο των Διαβάσεων με τη βοήθεια δύο προγραμμάτων που έχει γράψει η ομάδα μας σε γλώσσα C. Εφόσον εντοπιστούν και επιβεβαιωθούν οι διαβάσεις, προχωρούμε στην ανάλυση των χαρακτηριστικών του πλανήτη: Ακτίνα, κλίση, απόσταση από το αστέρι, και κυρίως αν βρίσκεται στη λεγόμενη «κατοικήσιμη ζώνη» πράγμα που θα κάνει δυνατή τη διατήρηση ζωής. Λόγω του πολύ μικρού μεγέθους των πλανητών σε σχέση με το αστέρι τους, ο εντοπισμός αυτός είναι εξαιρετικά δύσκολος. Παρόλα αυτά έχουμε ήδη εντοπίσει έναν τέτοιο εξωπλανήτη σε τροχιά γύρω από τον αστέρα KIC 1432789 τα χαρακτηριστικά του οποίου ανέλυσε η ομάδα μας για πρώτη φορά.

Since 2009, Kepler Space Telescope has been recording small reductions (eclipses) in the light of distant stars due to the transit of planets in front of them. Our goal is to detect planets in orbit around distant stars from Kepler's mission data, following the Reading Method using two programs written by our team in programme language C. If the readings are detected and confirmed, we proceed to their analysis. characteristics of the planet: Ray, inclination, distance from the star, and especially if it is in the so-called "habitable zone" which will make it possible to maintain life.

However, we have already identified such an exoplanet in orbit around the star KIC 1432789, the characteristics of which our team analyzed for the **first time**.

Open Research Europe | Open X +

https://open-research-europe.ec.europa.eu

Search

European Commission

Research and Innovation <https://open-research-europe.ec.europa.eu/>

Open Research Europe

Home Article Guidelines Scientific Advisory Board

Home

An Open Access publishing platform offering fast publication and open peer review for research conducted by Horizon 2020 and Horizon Europe beneficiaries.

Stay Updated

What is it?

Open Research Europe will be a scholarly publishing platform providing a full open access peer reviewed publishing service for Horizon 2020 and Horizon Europe beneficiaries at no cost to them, during and after the end of their grants. The platform will enable rapid publication times and publication outputs that support research integrity, reproducibility and transparency and enable open science practices.

Why are we doing this?

Open Research Europe is a significant step towards ensuring that all Horizon 2020 and Horizon Europe publications are fully open access. It is

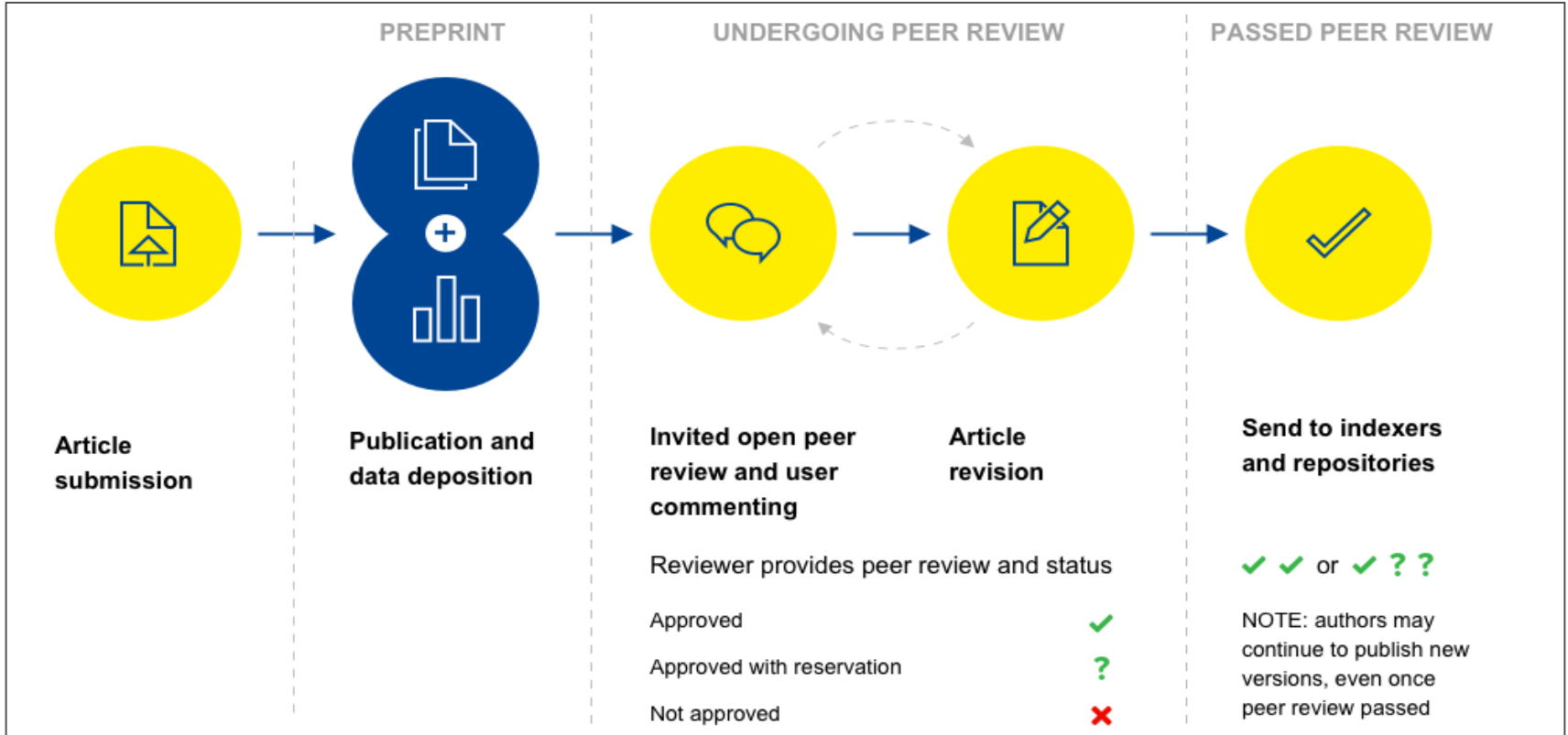
What is the scope?

All Horizon 2020 and Horizon Europe beneficiaries will be eligible to publish any research outputs they wish to share across all fields of science and technology, which include: Natural Sciences, Engineering and Technology, Medical Sciences, Agricultural Sciences, Social Sciences and Humanities.

Who's involved?

The Commission have contracted F1000 Research to provide the open research publishing infrastructure and editorial services for Open

Open Research publishing model



Prepublication checks

Upon submission

- Assess the author eligibility
- Check the article is in scope
- Check for plagiarism

Pre-publication checks

- Comprehensive checks on reporting, editorial and ethical guidelines
- Checking for data availability (if applicable)
- Support authors making their related data and software FAIR

Production


- Articles are made available in text and data-mining formats (PDF, HTML, XML)
- Provide proofs and editing if necessary
- Perform quality checks on citations and references, image resolutions, any included multimedia
- Ensure all persistent identifiers are assigned and resolve correctly

Preprint example


[Home](#) » [Browse](#) » [Improving the evidence base for delivery of public goods from public...](#)


OPINION ARTICLE Check for updates

Improving the evidence base for delivery of public goods from public money in agri-environment schemes [version 1; peer review: awaiting peer review]

✉ Mark S. Reed ¹, Pippa J. Chapman², Guy Ziv², Gavin Stewart¹, Helen Kendall¹, Amy Taylor², Dianna Kopansky⁴

[Author details](#)

 This article is included in the Sustainable Food Systems gateway.

 This article is included in the N8 AgriFood collection.

Abstract

There is growing interest around the world in more effectively linking public payments to the provision of public goods from agriculture. However, published evidence syntheses suggest mixed, weak or uncertain evidence for many agri-environment scheme options. To inform any future “public money for public goods” based policy, further synthesis work is needed to assess the evidence-base for the full range of interventions currently funded under agri-environment schemes. Further empirical research and trials should then focus on interventions for which there is mixed or limited evidence. Furthermore, to ensure the data collected is comparable and can be synthesised effectively, it is necessary to reach agreement on essential variables and methods that can be prioritised by those conducting research and monitoring. Future policy could then prioritise public money for the public goods that can most reliably be delivered, offering better value for taxpayers and improving the provision of ecosystem services from agricultural landscapes.

ALL METRICS

76
VIEWS

11
DOWNLOADS

Get PDF
Get XML
Cite
Export
Track
Email
Share

Open Peer Review

Reviewer Status
AWAITING PEER REVIEW

Comments on this article

All Comments (0)

Add a comment

Sign up for content alerts

Email **SIGN UP**

<https://emeraldopenresearch.com/articles/2-57>

Open Peer Review Example 1

Home » Browse » Silent myelin-weighted magnetic resonance imaging

METHOD ARTICLE [EDIT VERSION](#) [Check for updates](#)

REVISED Silent myelin-weighted magnetic resonance imaging [version 2; peer review: 2 approved, 2 approved with reservations]

[✉ Tobias C. Wood](#) [id](#)¹, [Nikou L. Damestani](#)¹, [Andrew J. Lawrence](#)², [Emil Ljungberg](#) [id](#)¹, [Gareth J. Barker](#) [id](#)¹, [Ana Beatriz Solana](#)³, [Florian Wiesinger](#)^{1,3}, [Steven C.R. Williams](#) [id](#)¹

[Author details](#)

Abstract

Background: Inhomogeneous Magnetization Transfer (ihMT) is an emerging, uniquely myelin-specific magnetic resonance imaging (MRI) contrast. Current ihMT acquisitions utilise fast Gradient Echo sequences which are among the most acoustically noisy MRI sequences, reducing patient comfort during acquisition. We sought to address this by modifying a near silent MRI sequence to include ihMT contrast.

Methods: A Magnetization Transfer preparation module was incorporated into a radial Zero Echo-Time sequence. Repeatability of the ihMT ratio and inverse ihMT ratio were assessed in a cohort of healthy subjects. We also investigated how head orientation affects ihMT across subjects, as a previous study in a single subject suggests this as a potential confound.

Results: We demonstrated that ihMT ratios comparable to existing, acoustically loud, implementations could be obtained with the silent sequence. We observed a small but significant effect of head orientation on inverse ihMTR.

Conclusions: Silent ihMT imaging is a comparable alternative to conventional, noisy, alternatives. For all future ihMT studies we recommend careful positioning of the subject within the scanner.

Keywords

ALL METRICS

419 VIEWS

52 DOWNLOADS

[Get PDF](#)

[Get XML](#)

[Cite](#)

[Export](#)

[Track](#)

[Email](#)

[Share](#)

Open Peer Review

Reviewer Status ✓ ? ✓ ? ⓘ

Reviewer Reports

	1	2	3	4
Version 2 (revision) 13 Aug 20	✓ read		✓ read	
Version 1 21 Apr 20	? read	? read	? read	? read

Invited Reviewers

1. **Richard Dortch** [id](#), Barrow Neurological Institute, Phoenix, USA
2. **Olivier Girard** [id](#), Aix-Marseille University, Marseille, France
3. **Lucas Soustelle** [id](#), Aix-Marseille Univ, CNRS, CRMBM UMR 7339, Marseille, France; SATT Sud-Est, Marseille, France
4. **Douglas Dean** [id](#), University of Wisconsin-Madison, Madison, USA; University of Wisconsin-Madison, Madison, USA
4. **Gunther Helms** [id](#), Lund University, Lund, Sweden

Alongside their report, reviewers assign a status to the article:

✓ **APPROVED**

The paper is scientifically sound in its current form and only minor, if any, improvements are suggested

? **APPROVED WITH RESERVATIONS**

Key revisions are required to address specific details and make the paper fully scientifically sound

✗ **NOT APPROVED**

Fundamental flaws in the paper seriously undermine the findings and conclusions

Visibility & credit for reviewers:

- Co-reviewing
- ORCID ids
- DOIs for reports

Open Peer Review Example 2

Reviewer Report

14 May 2020 | for Version 1

Richard Dortch , Division of Neuroimaging Research, Barrow Neurological Institute, Phoenix, AZ, USA

26 Views

 Cite this report

 Responses (1)

APPROVED WITH RESERVATIONS

This well-written manuscript seeks to develop and evaluate a silent myelin-specific MRI sequence for applications in infants and the elderly, where loud imaging sequences can be problematic. Recent work has demonstrated that so-called inhomogeneous MT (ihMT), which arises primarily from dipolar order effects in myelin lipids, may be a more specific assay of myelin content than other MRI measures (e.g., T_2 relaxation, diffusion, conventional magnetization transfer). As a result, there is significant interest in developing clinically feasible ihMT sequences for applications in neurodegenerative diseases, development, and aging. Overall, the study was well designed (e.g., strong repeatability and ROI analyses) and the results were compelling. However, there are several minor-to-moderate flaws, particularly in the motivation (e.g., the need for silent ihMT sequences) and methods (e.g., the influence of head orientation on ihMT), that slightly reduced my enthusiasm and lead me to recommend a minor revision.

1. The case made for silent MT sequences is not particularly compelling. The authors mention that these are "among the loudest" sequences because they use fast gradient-echo readouts to obtain whole-brain data in clinically feasible scan times. However, these sequences are usually SAR-limited with fairly reasonable TRs (typically between 25-50 ms) that are acquired at lower resolutions to ensure adequate SNR. Together, this results in a sequence with reduced acoustic noise compared to most rapid, high-resolution gradient echo sequences as well as other quantitative approaches that use EPI (e.g., diffusion). (moderate)
2. Furthermore, the benefits of using a silent myelin sequence may not outweigh the drawbacks. For example, the proposed method requires very low flip angles (2 degrees), which results in a significant SNR penalty relative to standard ihMT sequences. In addition, the RUFIS readout results in a small increase in scan time. Given that SNR is already relatively low for ihMT indices, the proposed method may be suboptimal in many clinical scenarios. (moderate)
3. The study was not designed to specifically measure the effect of head orientation on ihMT. Subjects were scanned four times (across two sessions), but head orientation was not directly controlled or measured across these scans. Instead a mixed effects model was used and head orientation was inferred from the images (rather than the orientation of individual tracts being measured using DTI for example). Furthermore, the confounding influences of T_1 and B_1 were not measured. The authors attempt to overcome this by using

Responses (1)

AUTHOR RESPONSE 19 Aug 2020
Tobias C. Wood, King's College London, London, UK

We thank the reviewer for their time and insight. There were in total five reviewers, with many helpful suggestions, and hence there have been many edits to the paper. Responses to this particular review follow below.

1. We concede that the acoustic noise from any scan will depend on the precise sequence settings. However, we note that recent ihMT work has used both an MP-RAGE style acquisition, with an imaging TR of 4.3ms and also SSFP with a TR of only 5ms. The introduction has been amended to explicitly reference these papers.
2. We agree that radial sequences are SNR constrained relative to cartesian sequences, this has now been explicitly stated in the discussion. Although the 3D radial readout does imply a time penalty relative to cartesian, we note that our overall scan time is competitive with recent cartesian ihMT papers. This has been added to the discussion.
3. We agree that it would have been preferable to acquire explicit T_1 & B_1 maps for comparison, but total protocol time prevented that in this study. In our opinion the ihMTRinv maps display more even contrast than the ihMTR maps, we hope that the revised figures with axial and coronal sections make this clearer.
4. We did not have a conventional cartesian ihMT implementation available when this study was conducted. However, as there are multiple such implementations in the literature, it is possible to broadly compare image quality and achieved ihMTR values. We have added a table of ihMTR values to make this comparison easier. We concede that it is not possible to compare acoustic noise levels, because it is not standard in the MR literature to record and report the acoustic noise of a sequence. In previous work (reference 22) we did directly compare noise levels between a radial ZTE and cartesian implementation of Variable Flip-Angle T1 mapping, which in our opinion would be similar to the noise levels in this work and found a 30 dB reduction in noise level.
5. Figure 1 has been updated with a reduced number of spokes to emphasise the stepped gradients. We hope this is clearer.
6. We thank you for pointing out that the frequency offset is not ideal for generating single-sided MT contrast. With hindsight, this is obvious. The discussion has been amended to reflect this.

Amendments from Version 1

The manuscript has been updated in response to the reviewer's helpful and insightful comments. The most important changes are that the figures have been redesigned and the emphasis on the head-orientation study reduced. The MR images have been updated to use a consistent set of slices, Figures 3 & 4 have been merged into a single figure, and the average within-subject CoV has been added. Figure 1 (the number of spokes) and Figure 6 (colour scheme) have been updated for clarity. We hope that these new figures are clearer and more intuitive than the previous figures. The language used to refer to the head orientation study has been clarified to refer to results as "highly statistically significant" rather than "strong". A reviewer provided a plausible explanation for the negative values of ihMTR in CSF, namely the use of Fermi pulses in the preparation module, and this limitation has been discussed. A table with the mean ihMTR and inverse ihMTR values has been added. The discussion has been expanded to better set the context of the paper within existing literature, with better comparisons between our results and previous papers. We think the resulting paper is much improved and thank the reviewers again for their valued input.

See the authors' detailed response to the review by Douglas Dean
See the authors' detailed response to the review by Gunther Helms
See the authors' detailed response to the review by Richard Dortch
See the authors' detailed response to the review by Olivier Girard and Lucas Soustelle

Open Data Example

Data availability

Underlying data

Zenodo: IRM raw data (video format) and dataset (csv) supporting platelet attachment to collagen IV or fibrinogen in percentage over time (related to Figure 1), <https://doi.org/10.5281/zenodo.377481947>.

Zenodo: Raw data, temporal profiling for platelet spreading dynamics (related to Figure 3).
<https://doi.org/10.5281/zenodo.377482348>.

Zenodo: Raw data for microtubule extension IRM images (videos) and raw data set (csv) (related to Figure 4),
<https://doi.org/10.5281/zenodo.377482749>.

Zenodo: Raw data (IRM videos) of Nocodazole experiments (videos) and raw dataset for statistical purposes (csv) (related to Figure 4), <https://doi.org/10.5281/zenodo.377483550>.

Zenodo: Nocodazole experiment low mag images, IRM, raw data. Platelets fixed, imaged by IRM in low magnification for counting purposes. Platelets are either control or treated with nocodazole, <https://doi.org/10.5281/zenodo.377484351>.

Zenodo: Raw data to support percentage of platelets in each morphological state, 1 hour post-platelet seeding (related to Figure 8), <https://doi.org/10.5281/zenodo.377484552>.

Zenodo: Dynamics of platelet spreading over time with/without treatments with manganese and thrombin (related to Figure 8). Raw images of platelets treated with and without Manganese and thrombin (tif, jpegs) and raw data set (csv), <https://doi.org/10.5281/zenodo.377484953>.

Zenodo: Un-cropped and unedited images/movies for all (DIC, movies, cryo-ET, SEM images).
<https://doi.org/10.5281/zenodo.377343754>.

Extended data

Figshare: Differential dynamics of early stages of platelet adhesion and spreading on collagen IV- and fibrinogen-coated surfaces, <https://doi.org/10.6084/m9.figshare.c.494473824>.

This project contains the following extended data:

- **Figure S1. Platelet integrated activity.** Integrated activity of platelets: the mean absolute value $|\Delta\text{IRM}|$ at every time point. X-axis: Time in seconds. Y-axis: Platelet mean activity. Red dotted lines separate the phases: background, prior to platelet attachment, filopodial spreading phase, lamellipodial spreading phase, and the fully spread phase.
- **Figure S2. Interactions with the surface for collagen IV and fibrinogen.** The number of pixels interacting with the surface over time for the surfaces collagen IV and fibrinogen. Time in seconds.
- **Figure S3. Quantification and image analysis of platelet spreading, based on IRM live imaging for fibrinogen.** (A) Platelet spreading viewed by IRM, and the corresponding focal activity map, $\Delta\text{IRM}_t = \text{IRM}_t - \text{IRM}_{t-1}$. Positive values (yellow) imply local attachment; negative values (blue) imply local detachment (bottom right). One filopodia initially attaching and detaching (black arrow). Scale bar $2\ \mu\text{m}$ (B) Integrated tapping activity of platelets: the mean absolute value $|\Delta\text{IRM}|$ at every time point. X-axis: Time in seconds. Y-axis: Platelet mean activity. Red dotted lines separate the phases: background, prior to platelet attachment, filopodial spreading phase, lamellipodial spreading phase, and the fully spread phase. (C) Total number of pixels interacting with the surface over time. Time in seconds. (D) Accumulated attachment and detachment over time shown by activity map, yellow means more attachment events, blue means fewer attachment event. Right images, correspond IRM images. Scale bar $2\ \mu\text{m}$.
- **Movie S1.** Shows the accumulated number of transitions from interaction to not interacting with the surface at every pixel over time.
- **Movie S2.** Shows an overlay of the highly active regions on top of the IRM images over time on collagen IV.
- **Movie S3.** Shows an overlay of the highly active regions on top of the IRM images over time on fibrinogen.

Data are available under the terms of the [Creative Commons Attribution 4.0 International license](https://creativecommons.org/licenses/by/4.0/) (CC-BY 4.0).

Software availability

IRM spreading dynamics source code available from: <https://github.com/assaFZaritskyLab/IRM-Spreading-Dynamics>

Archived source code as at time of publication: <https://doi.org/10.5281/zenodo.377050621>

License: GNU General Public License v3.0

<https://f1000research.com/articles/9-449>

Thank you!

Iryna Kuchma

iryna.kuchma@eifl.net

