



Open Science Lens



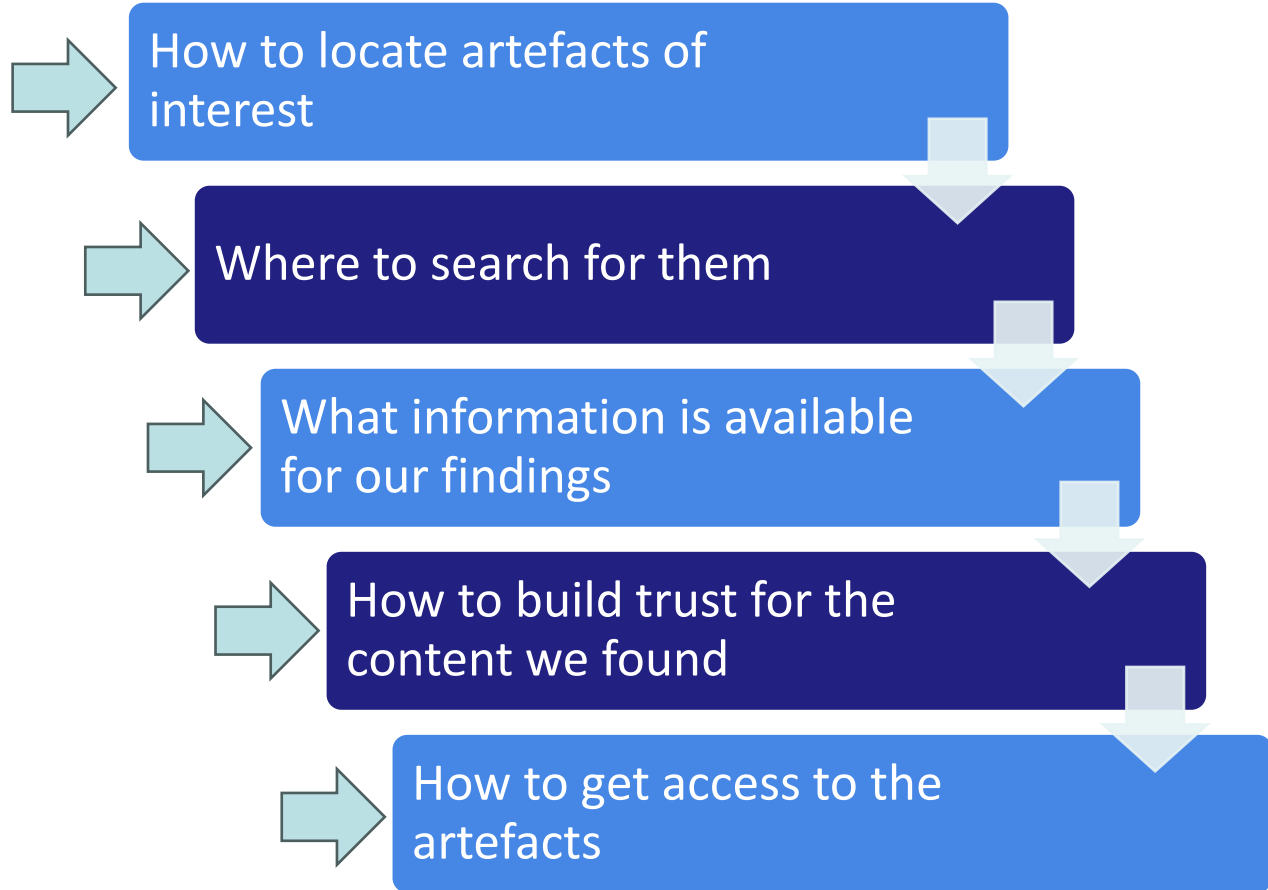
Open Science Lens

OpenAIRE Webinar

Empowering **Open Science** and bringing information residing on **OpenAIRE** data infrastructure **at reach** of **scientists and citizens**



Process of discovery and access

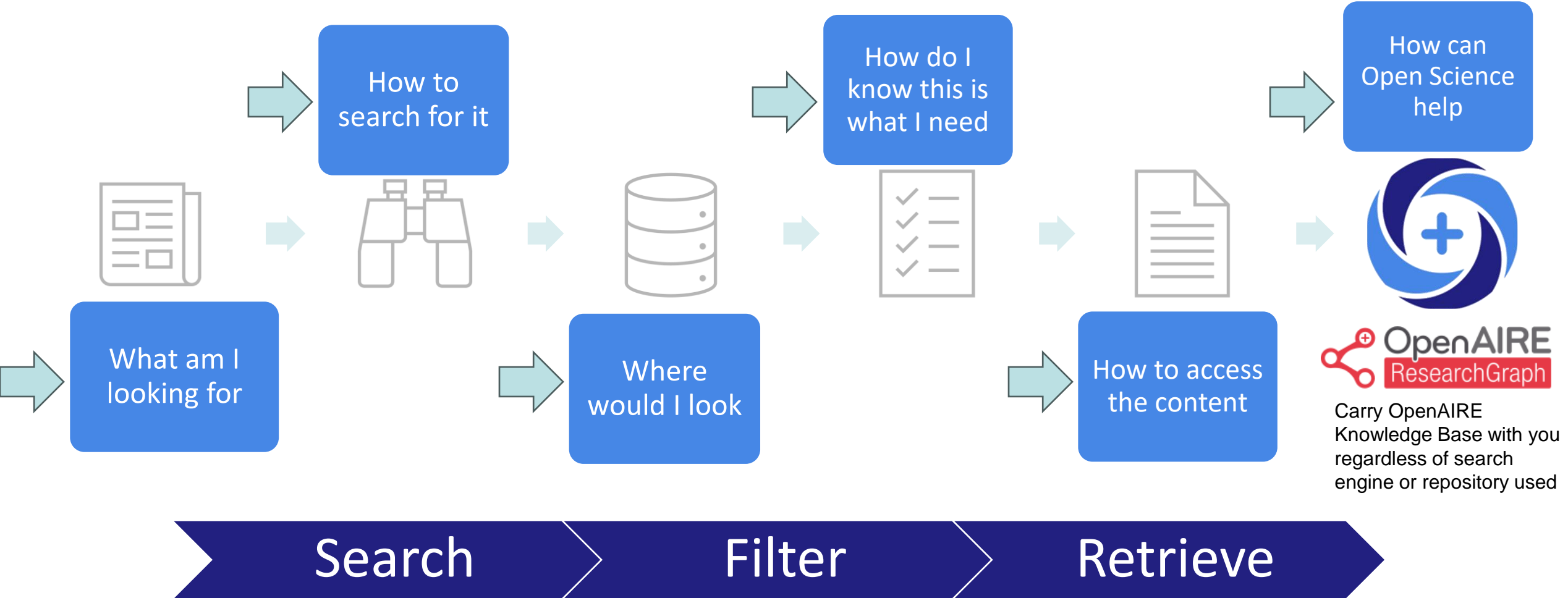


- Bring **Open Science** closer to the **Researcher**
 - Open Science Lens to **locate and explore** information of relevance to Open Science while navigating the web
- Tapping into the **OpenAIRE EXPLORE** data source while browsing



Open Science Lens

Discovering & Accessing research products



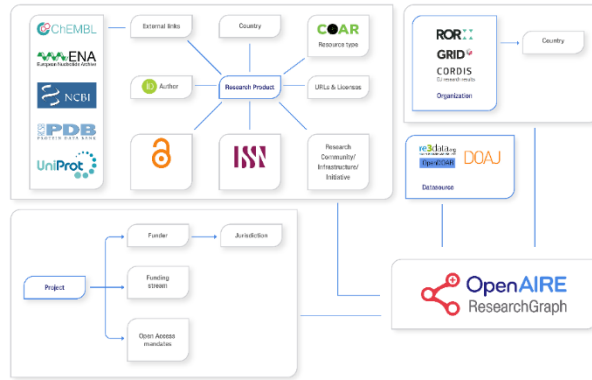
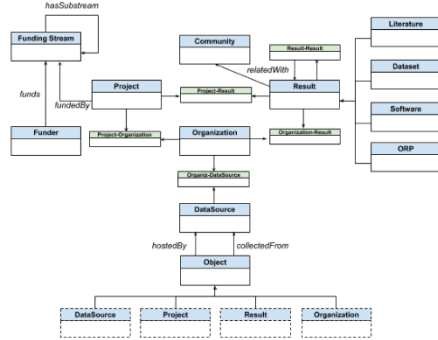
Carry OpenAIRE Knowledge Base with you regardless of search engine or repository used





Open Science Lens

<https://zenodo.org/record/2643199#.X5FwbmgZYyp>



In comes OpenAIRE Research Graph



179M PUBLICATIONS

3M PROJECTS

59M RESEARCH DATA

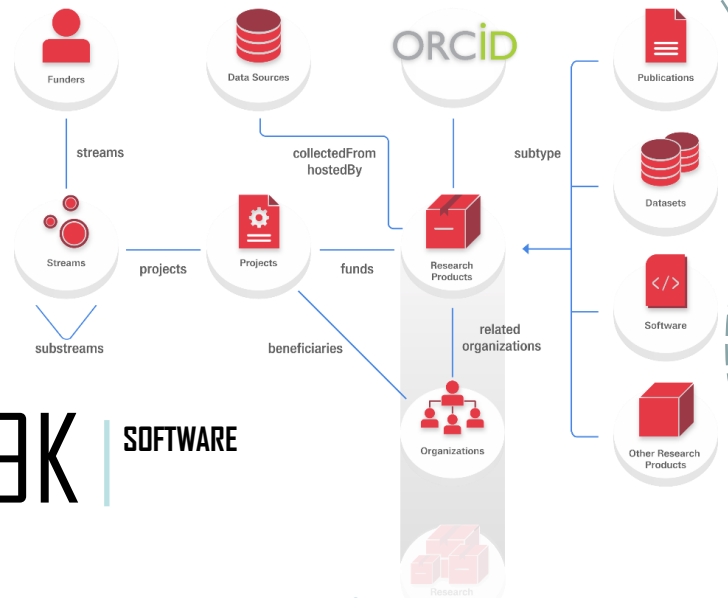
7M RESEARCH PRODUCTS

26 FUNDERS

129K DATA SOURCES

379K SOFTWARE

<https://graph.openaire.eu/>



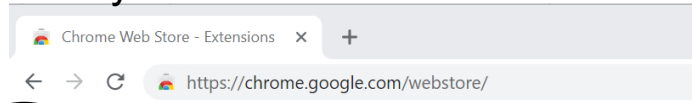
- Open & Authoritative sources
- Over 248 million artefacts
 - Aggregated
 - Curated
 - Disambiguated
 - Linked
 - Modeled
- Publicly available



Open Science Lens

How to get it

Go to your browser's store

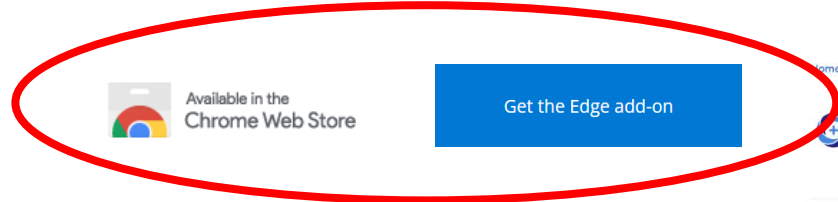
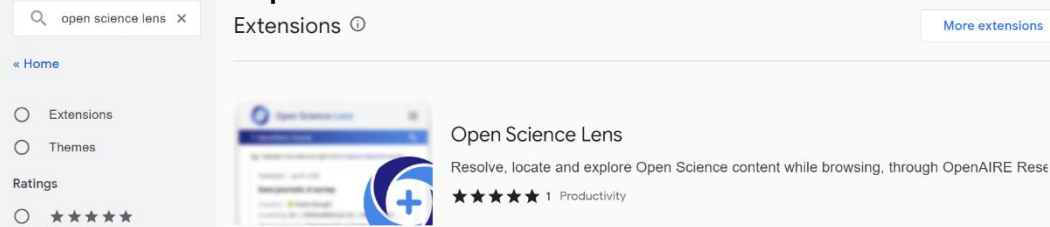


1

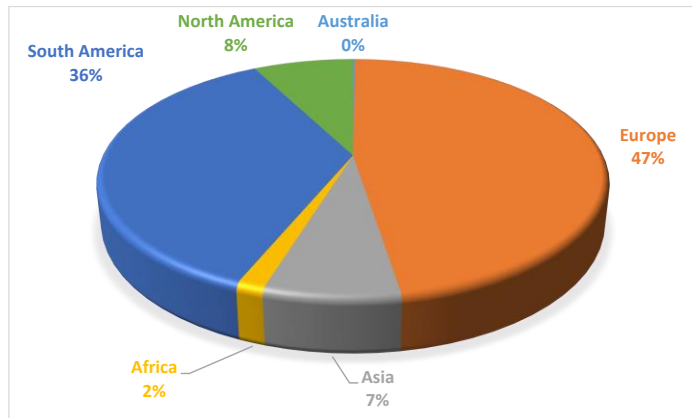
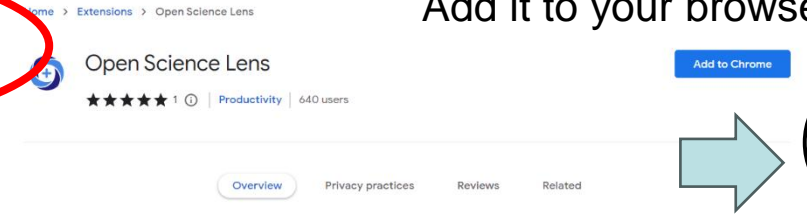
chrome web store

2

Search for Open Science Lens



Add it to your browser



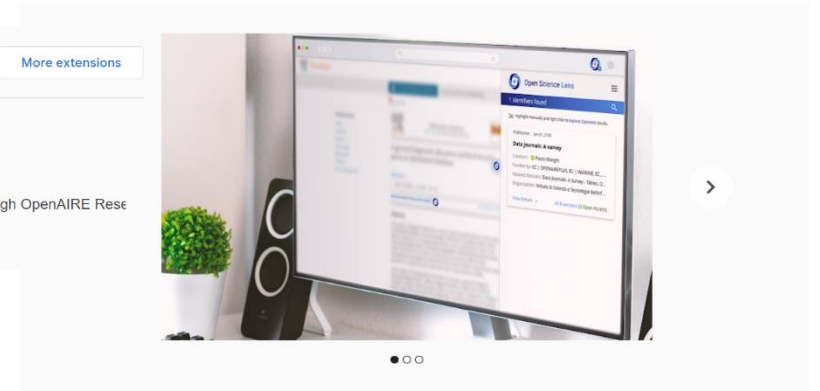
Chrome & Edge Store statistics for 2023-10-03

1064 | UNIQUE DOWNLOADS

844 | ACTIVE USERS

106 | 90 day - AVG DAILY IMPRESSIONS

98 | USER COUNTRIES



Overview

Compatible with your device

Resolve, locate and explore Open Science content while browsing, through OpenAIRE Research Graph

Open Science Lens brings the information residing on OpenAIRE data infrastructure at your reach, allowing you to locate and explore information of relevance to Open Science, utilizing the OpenAIRE Research Graph and APIs, as you browse.

Open Science Lens browser extension allows direct access to all information related to a context, be it publications, projects, calls, datasets, researchers, research topics etc., collected from various data sources in different repositories, offering the user all information related to Open Science that may be found in OpenAIRE infrastructure.

Additional Information

[Website](#) [Report abuse](#)

Offered by ctesagr

Version 0.4.2

Updated May 17, 2022

Size 261KiB

Language English

Publisher [Contact the publisher](#)



Open Science Lens

- A name, most of the times, is not enough
- Author persistent identifiers is not always available while searching
- Given the Research Artefact context, we can retrieve ORCID, where available

ORCID ID	First Name	Last Name	Other Names	Affiliations
0000-0002-0146-3950	Manoel	Manghi		CNRS Délégation Languedoc-Roussillon, Ludwig-Maximilians-Universität München, Université Grenoble Alpes, Université Toulouse-III Paul Sabatier, École normale supérieure de Lyon
0000-0001-7291-3210	Paolo	Manghi		Consiglio Nazionale delle Ricerche, OpenAIRE AMKE, Università degli Studi di Pisa
0000-0003-0379-6609	NICOLA	MANGHI		University of Waikato, Università degli Studi di Torino

Use cases – Author Identification

Open Science Lens

28 Results Found

Publication . Open Access . 2021-01-01

New trends in scientific knowledge graphs and research impact assessment

Creators: [Manghi, Paolo](#), [Mannocci, Andrea](#), [Cassese, Francesco](#), [Sacharidis, Dimitris](#), [Salatino, Angelo](#), [Vergoulis, Thanasis](#)

Organization: [National Academies of Sciences, Engineering, and Medicine, Université Libre de Bruxelles, Institute of Information Science and Technologies "A. Faedo", The Open University, National Research Council, National Academies of Sciences, Engineering, and Medicine, Université Libre de Bruxelles, Institute of Information Science and Technologies "A. Faedo", The Open University, National Research Council](#)

Hide Details All 5 versions(5 Open Access)

Publication . Open Access . 2020-01-01

Open Science Graphs Must Interoperate!

Creators: [Paolo Manghi](#), [Markus Stocker](#), ...

Funded by: [EC | OpenAIRE-Advance](#), [EC | ScienceGraph](#)

Organization: [Swinburne University of Technology](#)

View Details All 2 versions(1 Open Access)

Publication . Open Access . 2022-02-04

<https://orcid.org/0000-0001-7291-3210>

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Published name
Paolo Manghi

Name
Paolo Manghi

Biography

Paolo Manghi is a (PhD) Researcher in computer science at Ist delle Ricerche (CNR), in Pisa, Italy. His research areas of interest are in computer science, with a focus on technologies supporting open science, with a focus on technologies supporting open reproducibility and transparent evaluation of science. Since 2020 he acts as coordinator of the H2020 OpenAIRE-Nexus project.

Activities

- > Employment (2)
- > Education and qualifications (1)
- > Works (50 of 110)

Record last modified Nov 29, 2022, 5:40:01 PM UTC

Emails

paolo.manghi@openaire.eu
paolo.manghi@isti.cnr.it

Websites & social links

HomePage@InfraScience

Other IDs

Scopus Author ID: 6602255248

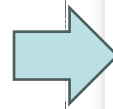
Keywords

computer science, data, computer science, services, service-oriented computing, data infrastructures



Open Science Lens

- First findings may only be the starting point
- Linked / related work & Datasets may be as / more interesting
 - Datasets supporting publications
 - Publications related to publications
 - ...
- Direct access to related artefacts can expand the reach of our search



Open Science Lens

5 Results Found

Tip: Highlight manually and right click to [explore OpenAire](#) results.

Publication . Open Access . 2015-01-01

On Bridging Data Centers and Publishers: The Data-Literature Interlinking Service

Creators: [Uwe Schindler](#), [Sandro La Bruzzo](#), [Hylke B. J. Koers](#), [Paolo Manghi](#), [Michael Diepenbroek](#), [Adrian Burton](#), [Amir Aryani](#)

Funded by: [EC | OPENAIREPLUS](#), [EC | RDA EUROPE](#), [EC | RDA EUROPE](#), [EC | THOR](#), [EC | OpenAIRE2020](#), [EC | OPENAIREPLUS](#), [EC | RDA EUROPE](#), [EC | RDA EUROPE](#), [EC | THOR](#), [EC | OpenAIRE2020](#)

Related publications: [The data-literature interlinking service](#), [Towards a common infrastructure for sharing data-article links](#)

Organization: [Institute of Information Science and Technologies "A. Faedo"](#), [RELX Group \(Netherlands\)](#), [National Research Council](#), [Institute of Information Science and Technologies "A. Faedo"](#), [RELX Group \(Netherlands\)](#), [National Research Council](#)

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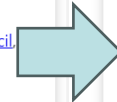
Publication . Closed Access . 2015-01-01

Metadata and Semantics Research

Creators: [Christine Plumejeaud-Perreau](#) ...

[View Details](#) All 1 versions

Publication . Open Access . 2011-01-01



Open Science Lens

2 Results Found

Tip: Highlight manually and right click to [explore OpenAire](#) results.

Dataset . Open Access . 2021-04-27

OpenAIRE Research Graph Dump

Creators: [Manghi, Paolo](#), [Atzori, Claudio](#) ...

Funded by: [EC | OpenAIRE-Advance](#), [EC | BF-OPEN](#), [EC | RI...](#)

Organization: [Institute of Information Science and Technol...](#)

[View Details](#) All 6 versions(4 Open Access)

Publication . Open Access . 2020-09-15

OpenAIRE Research Graph

Creators: [Czerniak, Andreas](#), [Jahn, Najko](#)

Related datasets: [OpenAIRE Research Graph: Dumps for research communities and initiatives](#)

Related publications: [OpenAIRE Research Graph for Research](#)

Organization: [Bielefeld University](#), [Bielefeld University](#)

[Hide Details](#) All 2 versions(2 Open Access)

Use cases – Related Work

OpenAIRE | EXPLORE

Search Deposit Link Data sources

24

[View all 6 versions](#)

Publication . Article . 2017

The data-literature interlinking service: towards a common infrastructure for sharing data-article links

Towards a common infrastructure for sharing data-article links

Adrian Burton; Hylke B. J. Koers; Paolo Manghi; Sandro La Bruzzo; Amir Aryani; Michael Diepenbroek; Uwe Schindler;

ENGLISH

prog-06-2016-0048

Apr 2017

erald, Bradford, Regno Unito

[References \(20\)](#) [Related research \(14\)](#)

Research data publishing is today widely regarded as crucial for reproducibility, proper assessment of scientific research is a way for researchers to get proper credit for sharing their data. However, several challenges need to be solved to realize its potential, one of them being the development of a global standard for links between research data and literature. Current linking solutions are mostly based on bilateral, ad hoc agreements between publishers and data centers, which are often in silos so that content cannot be readily combined to deliver a network graph connecting research data and literature in a comprehensive and reliable way. The Research Data Alliance (RDA) Publishing Data Services Working Group was established to address this issue of fragmentation by bringing together different stakeholders to agree on a common standard for sharing links between datasets and literature. The paper aims to discuss these issues, the methodology/approach This paper presents the synergic effort of the RDA PDS-WG and the OpenAIRE infrastructure for realizing a common infrastructure for exchanging data-literature links by realizing and operating the Data-Literature Interlinking Service.

[OpenAIRE Research Graph](#) . Last update of records in OpenAIRE: Nov 15, 2022 [See an issue? Give us feedback](#)





lmcs.episciences.org/670

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Sam Staton - Relating coalgebraic notions of bisimulation
lmcs:670 - Logical Methods in Computer Science, March 30, 2011, Volume 7, Issue 1 - [https://doi.org/10.2168/LMCS-7\(1:13\)2011](https://doi.org/10.2168/LMCS-7(1:13)2011)

Linked data

Source : ScholeXplorer IsReferencedBy DOI 10.1007/978-3-642-28729-9_4

Source : ScholeXplorer IsReferencedBy HANDLE 2066/103222

- 10.1007/978-3-642-28729-9_4
- 10.1007/978-3-642-28729-9_4
- 10.1007/978-3-642-28729-9_4
- 2066/103222
- 2066/103222

A coalgebraic perspective on minimization and determinization
Adamek, J.; Bonchi, F.; Hülsbusch, M.

32 Documents citing this article

Export: BibTeX, JEL, DC, OpenAIR

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Publication . Open Access . 2012-01-01

A Coalgebraic Perspective on Minimization and Determinization

Creators: Adamek, J., Bonchi, F., Hülsbusch, M., König, B., Milus, S., Silva, A., Birkedal, L.

Organizations: Technische Universität Braunschweig, Radboud University Nijmegen, University of Lyon System, Université Paris Diderot, École Normale Supérieure de Lyon, University of Duisburg-Essen, French Institute for Research in Computer Science and Automation

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Sam Staton - Relating coalgebraic notions of bisimulation
lmcs:670 - Logical Methods in Computer Science, March 30, 2011, Volume 7, Issue 1 - [https://doi.org/10.2168/LMCS-7\(1:13\)2011](https://doi.org/10.2168/LMCS-7(1:13)2011)

Linked data

32 Documents citing this article

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Source : OpenCitations

Adamek, Jiří; Bonchi, Filippo; Hülsbusch, Mathias; König, Barbara; Milus, Stefan; Silva, Alexandra, 2012, A Coalgebraic Perspective On Minimization And Determinization, *Foundations Of Software Science And Computational Structures - Lecture Notes In Computer Science*, pp. 58-73, 10.1007/978-3-642-28729-9_4, https://link.springer.com/content/pdf/10.1007/978-3-642-28729-9_4.pdf.

Bacci, Giorgio; Miculan, Marco, 2014, Probabilistic Processes, *Coalgebraic Stochastic Transition Systems*, pp. 71-89, 10.1007/978-3-642-28729-9_4, <https://link.springer.com/content/pdf/10.1016/j.jcss.2014.12.003>.

Basold, Henning; Hansen, Henning, 2014, Inductive-Coinductive Program Equivalence, *Foundations of Software Science and Computational Structures - Lecture Notes in Computer Science*, pp. 84-858, 10.1093/logcom/exv091, <https://ir.cwi.nl/pub/28787/28787.pdf>.

Bonchi, Filippo; Petrişan, Daniela; Pous, Damien; Rot, Jurriaan, 2014, Coinduction Up-To In A Fibrational Setting, *Proceedings Of The Joint Meeting Of The Twenty-Third Eacsl Annual Conference On Computer Science Logic (Csl) And The Twenty-Ninth Annual Acm/Ieee Symposium On Logic In Computer Science (Lics)*, pp. 1-12, 10.1145/2603086.2603100, <https://doi.org/10.1145/2603086.2603100>.

- Browsing the main artefact is often half the information
- Citations and linked data may be just as interesting





Publication . Open Access . 2014-07-01

Coinduction up to in a fibrational setting

Creators: [Jurriaan Rot](#), [Daniela Petrişan](#), [Filippo Bonchi](#), [Damien Pous](#)

Funded By: [NWO | CoRE: Coinductive Calculi of Regular Expressions](#)

Organizations: [École Normale Supérieure de Lyon](#), [University of Lyon System](#), [Leiden University](#), [French Institute for Research in Computer Science and Automation](#), [Université Paris Diderot](#)

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Coinduction up to in a fibrational setting

[Explore in OpenAIRE](#)

Available From

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- Unknown Repository
- arXiv.org e-Print Archive
- HAL-ENS-LYON
- Unknown Repository

arxiv.org/pdf/1401.6675.pdf

1401.6675.pdf 1 / 15 100%

Coinduction Up-To in a Fibrational Setting*

Filippo Bonchi Daniela Petrişan Jurriaan Rot[†]
 Damien Pous[†]
 LIP, CNRS, INRIA, ENS Lyon, Université de Lyon, UMR 5668
 {filippo.bonchi,daniela.petrisan,damien.pous}@ens-lyon.fr

LIACS - Leiden University, CWI
 j.c.rot@liacs.leidenuniv.nl

[cs.LO] 15 May 2014

Abstract
 Bisimulation up-to enhances the coinductive proof method for bisimilarity, providing efficient proof techniques for checking properties of different kinds of systems. We prove the soundness of such techniques in a fibrational setting, building on the seminal work of Hermida and Jacobs. This allows us to systematically obtain up-to techniques not only for bisimilarity but for a large class of coinductive predicates modelled as coalgebras. By tuning the parameters of our framework, we obtain novel techniques for unary predicates and nominal automata, a variant of the GSOS rule format for similarity, and a new categorical treatment of weak bisimilarity.

Categories and Subject Descriptors F.3 [Logics and meanings of programs]; F.4 [Mathematical logic and formal languages]

in numerous proofs about concurrent systems (see [25] for references); it has been used to obtain decidability result more recently to improve standard automata algorithms [Sangiorgi [27]. It was then reworked and generalised by authors to the abstract setting of complete lattices [24, 25] observation there is that the notion of soundness is not sound itself. The main solution to this problem consists in using to compatible functions, a subset of the sound function enjoys nice compositionality properties and contains many useful techniques.
 An illustrative example of the benefits of a module is the following: given a signature Σ , consider the co

- See available versions and hosting repositories
- Access full content directly, if available
- No need to search using external tools





Wholodance Whole-Body Inte...

Project . 2016 - 2018 . Closed

Whole-Body Interaction Learning for Dance Education

Funding: EC, RIA

Funded Amount: €3,332,580

Total Cost: €3,332,580

Organizations: [Peachnote GmbH | Germany](#), [LYCEUM CLUB OF GREEK WOMEN | Greece](#), [K. DANSE | France](#), [Coventry University | United Kingdom](#), [ARC | Greece](#), [MOTEK ENTERTAINMENT | Netherlands](#), [UNIGE | Italy](#), [POLITECNICO DI MILANO | Italy](#), [Lynkeus \(Italy\) | Italy](#), [ISTITUTO STOCOS | Spain](#)

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Publications by author: Paul Polydoros

Publication . Access rights not available . 2005-01-01

Ensemble-2: Dynamic Composition of MPMD Programs

Creators: [Paul Polydoros](#), [Yiannis Cotronis](#)

Organizations: [National and Kapodistrian University of Athens](#)

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All 1 versions

Publication . Access rights not available . 2008-01-01

Query Processing Over The Grid: The Role Of Workflow Management

Creators: [Yannis Ioannidis](#), [Evangelos Floros](#), ...

Organizations: [National and Kapodistrian University](#), ...

View Details v

All 1 versions

Publication . Open Access . 2007-01-01

A grid-based infrastructure for distributed retrieval

Creators: [Giorgos Papanikos](#), [Mads Sibeko](#), [Dagfinn Aarvaag](#), [George Kakaletis](#), [Yannis Ioannidis](#), [Paul Polydoros](#), [Pasquale Pagano](#), [Fabio Crestani](#), [Fabio Simeoni](#), [Leonardo Candela](#)

Organizations: [University of Strathclyde](#), [National Research Council](#), [National and Kapodistrian University of Athens](#), [Institute of Information Science and Technologies "A. Faedo"](#)

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All 7 versions (3 Open Access)

Collapse (3) ^

Use cases – Beyond DOIs

- DOIs are a convenient, persistent handle that can be used
- But term / context-based retrieval is also possible
 - Authors, Project, Funding, ...
- Based on OSL Enhancer integrating content providers
 - No need to download browser plugin
 - Offer Open Science Lens as a site embedded feature
 - Richer experience for the visitor / more information discoverable



- Assists deep exploration process to locate research artefacts
 - Enhance repository item listing, breaking silos imposed by domain, perception, technical limitations and available resources
 - Utilize OpenAIRE Research Graph to present an aggregated, cleaned-up, linked view for Open Science artefacts
- Open Science Lens: Having enriched information readily available during the discovery process
 - Enhances the information we locate
 - Increases trust of our findings
 - Simplifies access to content
 - Utilizes continuously enriched and expanding Knowledge Base, OpenAIRE Research Graph



Get the Edge add-on



Giorgos Papanikos
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OSL – Project Manager
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Georgios Kakalettris
CITE CRIO
OSL – Product Design
gkakas@cite.gr

Thank you

<https://www.opensciencelens.eu/>
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