

# Bibliographic resources and research tools for Industrial Engineering



A presentation for PhD students

Susanna Valpreda, Sara Meneghin, Marica Milotti  
Biblioteche di Ingegneria  
info [biblio.inge@unipd.it](mailto:biblio.inge@unipd.it)



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEO

**Section 1 | Bibliographic research and databases**

**Section 2 | Bibliometrics and bibliometric indicators**

**Section 3 | Engineering databases**

**Section 4 | Open Access - Padua Research Archive**

**Section 5 | Open Data - Research Data Unipd**

**Section 6 | Reference management**

**Workshop slides are available here:**

**<http://biblioingegneriacentrale.cab.unipd.it/usa/laboratori/materiali>**

## Bibliographic research main steps

- Identify your topic and keywords
- Choose the proper tools (catalogues, databases...)
- Collect and evaluate useful documents (articles, papers, technical reports...)
- Create your bibliography using the correct citation style and citing the source

# What are Bibliographic Databases?



- A **bibliographic database** is a database of bibliographic records, an organized digital collection of references to published literature, including journal and newspaper articles, conference proceedings, reports, government and legal publications, patents, books, etc.

In contrast to library catalogue entries, a large proportion of the bibliographic records in bibliographic databases describe articles, conference papers, etc., rather than complete monographs, and they generally contain very rich subject descriptions in the form of keywords, subject classification terms, or abstracts.

- A **bibliographic database** may be general in scope or cover a specific academic discipline.



# Why use Bibliographic Databases?



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

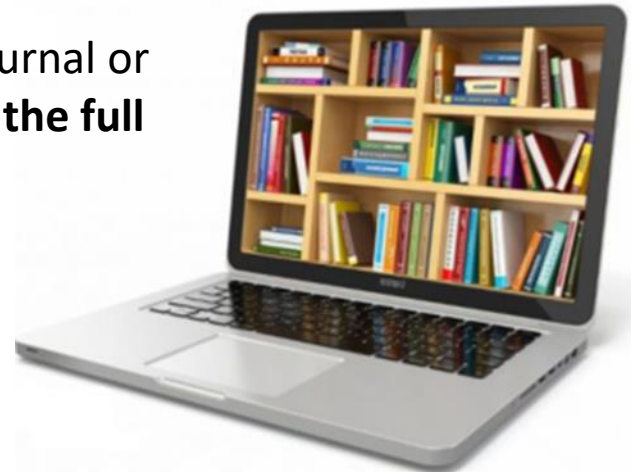
- Bibliographic databases allow you to **use keywords** to search across thousands of different journal titles and conference proceedings at the same time for papers in a specific subject area.
- This **saves you a lot of time** as you do not have to search through individual publications.
- The papers have been through some form of "**quality control**" to ensure that the information is more reliable and valid than information you may find by searching the internet (better than Google search!).
- Bibliographic databases allow you to **create a structured search** by helping you to identify relevant keywords, to combine keywords together and to limit your search.



# Why use Bibliographic Databases?



- Bibliographic databases give you the citation or reference details about the articles you have found so that you can **locate the full text**.
- Bibliographic databases usually **provide links to the abstract or summary** of the article so you can evaluate its relevance.
- If the University has an electronic subscription to the journal or conference proceedings, you will **have online access to the full text** of the paper.
- Bibliographic databases **are regularly updated** giving you access to the most current research.



## Multidisciplinary Bibliographic Databases

[Web of Science](#) (Clarivate bibliographic and citation database of peer-reviewed literature)

[Scopus](#) (Elsevier bibliographic and citation database of peer-reviewed literature)

## Engineering Bibliographic Databases

[Engineering Village](#) (the most comprehensive interdisciplinary engineering database in the world)

[IEEE Xplore](#) (full-text electrical engineering, computer science, and electronics bibliographic database)

[Business Source Complete](#) (bibliographic database about management, economics, finance, business...)

[SpringerMaterials](#) (A comprehensive database covering multiple material classes, property types, and applications)

## Engineering Bibliographic Databases

**Reaxys** web-based search and retrieval system for chemical compounds, bibliographic data and chemical reactions

**Total materia** The world's most comprehensive materials database

**ASTM Compass** includes the access to research reports, journals, special technical publications, manuals/monographs, data series, proceedings, bulletins, materials research and standards

**Dieselnet** technical and business information related to all types of internal combustion engines, their fuels, emissions, and the technologies required by the clean and efficient engines of the future

**Bsol** includes all international and European standards that have been adopted as British standards (also ASTM, ISO and IEC standards)

# Web of Science (WOS)

**COVERAGE:** multidisciplinary

**TIME RANGE:** 1985-

**DOCUMENT TYPES:** articles, proceedings papers

Web of Science InCites Journal Citation Reports Essential Science Indicators EndNote Publons Kopernio Sign In Help English

## Web of Science

Clarivate Analytics

Tools Searches and alerts Search History Marked List

Select a database Web of Science Core Collection Learn about alerting enhancements!

Basic Search Author Search <sup>BETA</sup> Cited Reference Search Advanced Search

Example: oil spill\* mediterranean Topic Search Search tips

+ Add row | Reset

Timespan  
All years (1985 - 2020)

More settings

CRUI - Università degli Studi di Padova

Clarivate Analytics

Who are the most influential researchers of the last decade? See the list of Highly Cited Researchers 2019

Clarivate Accelerating Innovation

© 2020 Clarivate Copyright notice Terms of use Privacy statement Cookie policy

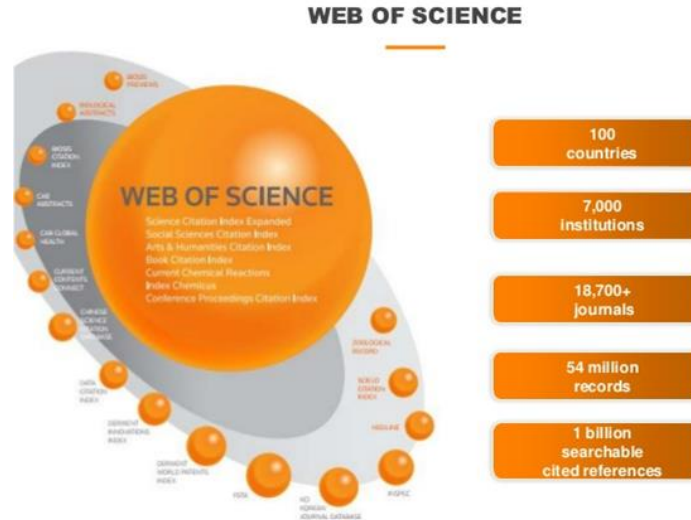
Sign up for the Web of Science newsletter Follow us



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



**DOCUMENT TYPES:** articles, proceedings papers



Sign in

## Document search

[Compare sources >](#)☒ Documents ☐ Authors ☐ Affiliations [Advanced](#)

Search

*E.g., "Cognitive architectures" AND robots*

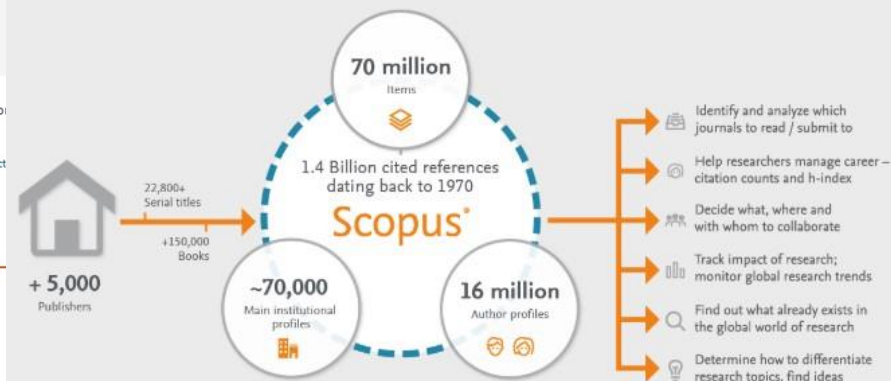
Article title, Abstract, Keywords

> Limit

Reset form

Search Q

Search tips 

[Terms and conditions](#)  [Privacy policy](#) 

## Section 2 | Bibliometrics and bibliometric indicators



# Impact factor



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

The **impact factor (IF)** is a measure of the frequency with which the average article in a journal has been cited in a particular year.

It is used to measure the importance or rank of a journal by calculating the times its articles are cited.

## How Impact Factor is Calculated?

The calculation is based on a two-year period and involves dividing the number of times articles were cited by the number of articles that are citable.

**The Impact Factor is used to compare different journals within a specific disciplinary field.**

The [Journal of Citation Report](#) indexes more than 11,000 science and social science journals.

It is important to note that Impact Factor is a journal metric and should not be used to assess individual researchers or institutions.



# H-Index



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

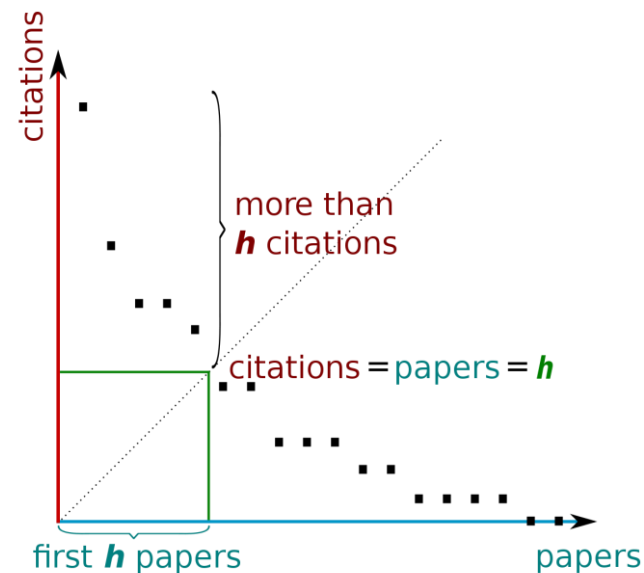


SISTEMA BIBLIOTECARIO  
DI ATENEIO

The ***h*-index** quantifies an individual's scientific research output (cit. J.E. Hirsch).

The ***h*-index** evaluates an author impact inside a specific scientific community on the basis of the number of his/her publications and citations obtained.

The ***h*-index** is one of the most important function in [Scopus](#).



# SCImago Journal Ranking



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



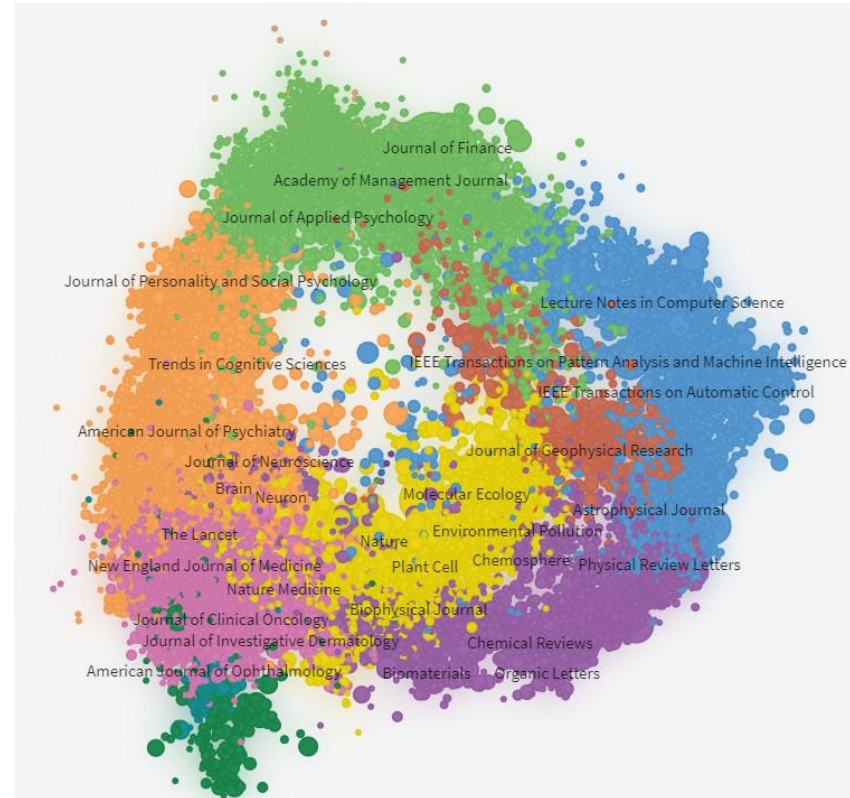
SISTEMA BIBLIOTECARIO  
DI ATENEIO

[SCImago](#) a database that can be accessed for free online, which allows you to obtain statistics on the citations of articles published in peer-reviewed journals.

It provides statistics and compares the number of published articles and citations in each country.

**Journal ranking**

**Country rankings**



Metrics illuminate the impact of research outputs. Promotion and tenure committees, researchers, research team leaders and potential collaborators are all interested in information about impact. But **when to start** your library can advise you on metrics — found on Elsevier products or via other sources — that can help you to:



DOCUMENT | AUTHOR | JOURNAL

"Document" in the definitions refers to primary document types such as journal articles, books and conference papers. See <https://www.elsevier.com/locate/elsevier> for a full list of document types.

Indicates that the Elsevier Metrics group agreed to include as a standardized metric, which is data source and system agnostic. <https://www.elsevier.com/locate/elsevier>

<b>CITATION COUNT</b> <i># of citations received by a particular article, journal or researcher. As with all citation-based measures, it is important to be aware of citation practices. The paper "Effective Strategies for Increasing Citation Frequency" lists 35 different ways to increase citations.</i>	<b>DOCUMENT COUNT</b> <i># of items published by an individual or group of individuals</i> <i>A researcher using document count should also provide a list of document titles with links. If authors use an ORCID ID, a persistent scholarly identifier, they can share or compare sources for document count including Scopus, ResearchGate, Crossref and Pubmed. Register for an ORCID ID at <a href="http://orcid.org">http://orcid.org</a></i>	<b>FIELD-WEIGHTED CITATION IMPACT (FWCI)</b> <i># of citations received by a document expected if it obtained the same number of citations for similar documents</i> <i>Similar documents are ones in the same discipline, of the same type (e.g., which letter, review, and so on), and of the same age (FWCI 1 means that the subject performs just as expected against the global average; those that surpass that the subject is more cited than expected according to the global average; for example, a 1.5 means a 50% more cited than expected.</i>
<b>h-INDEX</b> <i># of articles in the collection (h) that have received at least (h) citations over the whole period</i> <i>For example, an h-index of 8 means that 8 of the collection's articles have each received at least 8 citations. A higher score is achieved by a single highly cited paper, one by a large number of poorly cited documents. This h-index measure can be applied to any collection of citable documents. Relatedly, h-type indices emphasize other factors, such as reviews or citing outputs' own citation records.</i>	<b>CITESCORE</b> <i>document score in previous years</i> <i># of documents in previous years</i> <i>This comprehensive, current and open metric for journal citation impact is presented in Elsevier's new analysis tool, the Journal Citation Report (JCR). It includes a yearly score and monthly CiteScore. CiteScore includes the CiteScore metrics for journals, conference proceedings, book series and book journals. At <a href="https://www.elsevier.com/locate/elsevier">https://www.elsevier.com/locate/elsevier</a></i>	<b>SCIMAGO JOURNAL RANK (SJR)</b> <i>document score in previous years</i> <i># of documents published in previous years</i> <i>Citations are weighted – worth more or less – depending on the source they come from. In-depth analysis and evaluation of the journal's impact is derived from the value of a citation. Can be applied to journals, book series and conference proceedings. Calculated by Scimago (<a href="http://scimagojr.com">http://scimagojr.com</a>) based on Scopus data.</i>
<b>SOURCE NORMALIZED IMPACT PER PAPER (SNIP)</b> <i>journal's citation count per paper</i> <i>citation position in the subject field</i> <i>The impact of a single citation will have a higher value in subject areas where citations are less likely and vice versa. SNIP values will reduce the variability of the score. Smaller journals tend to have higher SNIP values than larger journals.</i> <i>Calculated by CNIS (<a href="http://www.cnis.nl">http://www.cnis.nl</a>) based on Scopus data.</i>	<b>JOURNAL IMPACT FACTOR</b> <i>citations in a year to documents published in previous years</i> <i># of citations in previous years</i> <i>Based on Web of Science data, this metric is updated once a year and traditionally released in June following the year of averaging as part of the Journal Citation Report (JCR) also includes a five-year impact factor.</i>	<b>PERCENTILE BENCHMARK (ARTICLES)</b> <i>compare items of same age, subject area</i> <i># of document type over an 18-month window</i> <i>The higher the percentile benchmark, the better this is available in Scopus for citations and also for monthly tracking and trends. Particularly useful for authors as a way to contextualize citation counts for journal articles as an indicator of academic impact.</i>
<b>OUTPUTS IN TOP PERCENTILES</b> <i>extent to which a research entity's documents are present in the most cited percentile of a date window</i> <i>Based within Scopus, Outputs in Top Percentiles can be field weighted. It indicates how many articles are in the top 10%, 20%, 30% or 40% of the most cited documents. Quick way to benchmark groups of researchers.</i>	<b>SCHOLARLY ACTIVITY ONLINE</b> <i># of users who added an article into their personal scholarly collection network library</i> <i>The website How Cite (How Cite) helps to publish sharing policies, voluntary principles for article sharing or scholarly publication networks, and places to share or reuse these principles, including Scimago, Scopus, Scopus, Scopus, Scopus.</i> <a href="http://www.howcite.com">http://www.howcite.com</a>	<b>SCHOLARLY COMMENTARY ONLINE</b> <i># of mentions in scholarly blogs and/or academic websites</i> <i>Investigating beyond the court to actual mentions, by scholars could become possible future research opportunities to add to the promotion and tenure portfolio. These mentions can be found in the Scopus article metrics module and within free and subscription alternative tools and services.</i>
<b>SOCIAL ACTIVITY ONLINE</b> <i># of mentions on micro-blogging sites</i> <i>Micro-blogging sites may include Twitter, Facebook, Google+ and others. Reporting on this activity is becoming more common in academic CVs as a way to supplement traditional citation-based metrics which may take time to accumulate. They may also be seen as a way to gain a better understanding of research impact.</i>	<b>MEDIA MENTIONS</b> <i># of mentions in mass or popular media</i> <i>Media mentions are used indicators of social impact as they often highlight the potential impact of the research on society. Sources could include an institutional press clipping service or an alternative provider. Available, Scopus (Article Metrics module), Pure and Scopus also report on mass media.</i>	<b>MENTIONS</b> <i>mentions selected will depend on the funders' interests and project strengths.</i> <ol style="list-style-type: none"> <li>1. <a href="https://www.elsevier.com/locate/elsevier">https://www.elsevier.com/locate/elsevier</a> (March 2018) "Article downloads: An alternative indicator of natural research impact and cross-sector knowledge exchange" (Research Trends), <a href="https://www.researchtrends.com/news-pb-march-2018/article-downloads/">https://www.researchtrends.com/news-pb-march-2018/article-downloads/</a></li> <li>2. <a href="https://www.elsevier.com/locate/elsevier">https://www.elsevier.com/locate/elsevier</a> (March 2018) "Article downloads: An alternative indicator of natural research impact and cross-sector knowledge exchange" (Research Trends), <a href="https://www.researchtrends.com/news-pb-march-2018/article-downloads/">https://www.researchtrends.com/news-pb-march-2018/article-downloads/</a></li> <li>3. <a href="https://www.elsevier.com/locate/elsevier">https://www.elsevier.com/locate/elsevier</a> (March 2018) "Article downloads: An alternative indicator of natural research impact and cross-sector knowledge exchange" (Research Trends), <a href="https://www.researchtrends.com/news-pb-march-2018/article-downloads/">https://www.researchtrends.com/news-pb-march-2018/article-downloads/</a></li> <li>4. See a good explanation at <a href="http://www.researchtrends.com">http://www.researchtrends.com</a></li> <li>5. <a href="https://www.elsevier.com/locate/elsevier">https://www.elsevier.com/locate/elsevier</a> (March 2018) "Article downloads: An alternative indicator of natural research impact and cross-sector knowledge exchange" (Research Trends), <a href="https://www.researchtrends.com/news-pb-march-2018/article-downloads/">https://www.researchtrends.com/news-pb-march-2018/article-downloads/</a></li> </ol>

# Quick Reference Cards for Research Impact Metrics

<https://www.elsevier.com/librarians/providing-library-services/research-metrics-quick-reference>



# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



Engineering Village

Search

Alerts

Selected records

More

?

🏠

Create account

Sign in

Quick search:

All fields



for

e.g. (artificial intelligence OR intelligent computing) AND {social media}



?

Turn on AutoSuggest | + Add search field | Reset form

Databases

Date

Language

Document type

Sort by

Browse indexes

Autostemming

Discipline

Treatment



Compendex

# Engineering Village



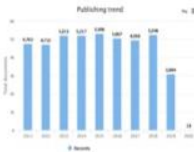
## Engineering Research Profile

NEW FEATURE

Summary of engineering research output for schools and research institutions.

Analysis includes:

- Top authors
- Funding sponsorship
- Research focus
- Publishing trend
- Subject area
- Source titles



> Go to Engineering Research Profile Page

Already have an account?

Sign in

Register

- Personalize your settings
- Setup alerts and save searches
- Create personal folders
- Customize download options and more...

Create account



Engineering Village

About Engineering Village

Accessibility Statement

Content Available

Who uses EV?

Customer Service

Contact and support

Subscribe to newsletter

Blog

Twitter

Careers

All engineering jobs

By job category

provided by Mendeley Careers



Feedback

# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEO

IEEE.org | IEEE Xplore | IEEE-SA | IEEE Spectrum | More Sites

Cart | Create Account | Personal Sign In

IEEE Xplore® Digital Library

Browse ▾ My Settings ▾ Help ▾

Access provided by:  
POLO  
BIBLIOTECARIO DI  
INGEGNERIA

Sign Out

IEEE

Advancing Technology for Humanity

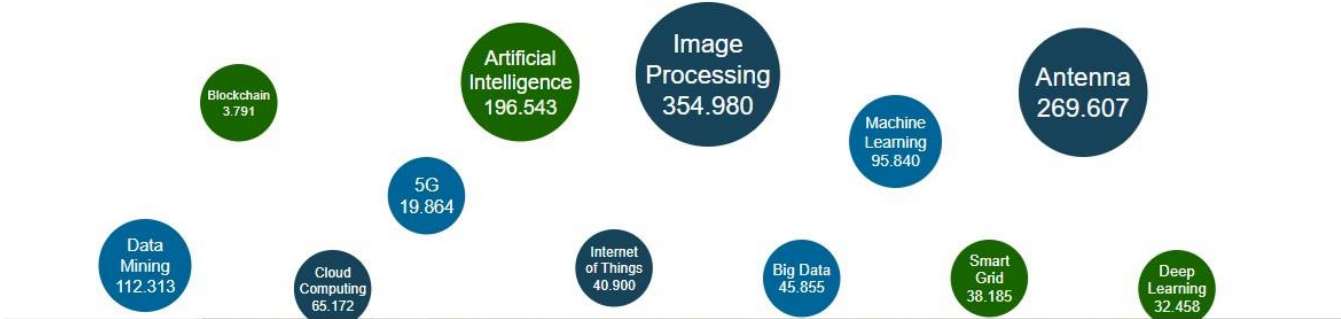
SEARCH 4,981,467 ITEMS

All ▾

ADVANCED SEARCH ▸

## Top Searches and Documents

IEEE



# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

New Search Publications Company Information Thesaurus More

Sign In Folder Preferences Languages Help Exit



Searching: Business Source Complete | Choose Databases

Select a Field (optional)

Search

AND

Select a Field (optional)

Clear

AND

Select a Field (optional)

+ -

Basic Search Advanced Search Search History

UNIVERSITA' DI PADOVA

## Business Source Complete

### Search Options

Reset

#### Search Modes and Expanders

##### Search modes

- ☒ Boolean/Phrase
- ☐ Find all my search terms
- ☐ Find any of my search terms
- ☐ SmartText Searching [Hint](#)

##### Apply related words

☐

##### Also search within the full text of the articles

☐

##### Apply equivalent subjects

☒

#### Limit your results

##### Full Text

☐

##### Scholarly (Peer Reviewed) Journals

☐

##### Publication

##### References Available

☐

##### Published Date

Month Year — Month Year

##### Publication Type

- All
- Academic Journal
- Book
- Case Study

# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

 Springer Materials



Access  
Universita di Padova

» Sign up / Log in

e.g. GaAs, benzene, Cd-Te, band gap



Search help [?](#)

 Search by Elements  Corrosion Search

## SpringerMaterials

### Browse by collection

[Landolt-Börnstein](#)

[Inorganic Solid Phases](#)

[MSI Eureka](#)

[Metal foam](#)

[Polymer Thermodynamics](#)

[Substance Profile](#)

[Thermophysical Properties](#)

[Landolt-Börnstein bookshelf](#)

[SpringerMaterials Interactive](#)

## SpringerMaterials celebrates the 2021 Nobel Prize in Physics winners

We join the world in congratulating Dr. Giorgio Parisi, Dr. Klaus Hasselmann and Dr. Suyukuro Manabe, the three Nobel Prize winners in Physics, for their pioneering contributions to the field of complex systems. We especially want to recognize the work of Prof. Parisi in the field of Quantum Chromodynamics (QCD), without which the [Landolt-Börnstein volumes on particle physics](#) would be incomplete. SpringerMaterials has become a trusted resource for researchers because of carefully curated content from the authoritative work of scientists like Prof. Parisi.



## The research solution for identifying material properties

Fast and reliable insights accelerating materials science research

SpringerMaterials provides curated data and advanced functionalities to support research in materials science, physics, chemistry, engineering, and other related fields.

- **A comprehensive database** covering multiple material classes, property types, and applications
- **Enhanced data visualization** features display interactive crystal structures, data tables, and phase diagrams with export options for further analysis

# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

Reaxys®



Quick search

Query builder

Results

Synthesis planner

History

Register >

Sign in ⓘ

Search substances, reactions and documents

in Reaxys, PubChem, eMolecules, LabNetwork and SigmaAldrich

Reaxys

Import ⬇

Search Reaxys

Find >

Documents, e.g. published by Schrock

AND



Draw

Content Overview | Latest update: 07. January 2020 >

118M

Substances

49M

Reactions

59M

Documents

37M

Bioactivities

ELSEVIER

Copyright © 2020 Elsevier Life Sciences IP Limited.

[Terms and Conditions](#) [Privacy policy](#) [About content](#) [Performance Page](#)

Cookies are used by this site. To decline or learn more, visit our [Cookies page](#)

RELX Group™

Feedback ⓘ

# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

**Total Materia**

The world's most comprehensive materials database

Metric Imperial Units

Università degli Studi di Padova

English

**TOTAL SEARCH**

EXTENDED RANGE

DATA PLUS

ENVIRO

COMPLIANCE

SUPPLIERS

SMARTCOMP

EXPORTER

TRACKER

MATERIAL CONSOLE

Quick Search

Advanced Search

Standard list

Material Discovery

## Total Materia



Material Designation

SEARCH



Type



Material group



Standard



Producer



Welcome Università degli Studi di Padova



MESSAGE



SAVED SEARCHES



FAVORITES

Subscription expires: 12/31/2022 (mm/dd/yy)

We have opened accesses for each of the following modules:

- SmartComp (3 accesses left)
- PolyPLUS (4 accesses left)
- Enviro (12 accesses left)
- Compliance (12 accesses left)
- Material Console

For an unrestricted FREE trial of these modules for your multiuser team, please

490K

NUMBER OF  
MATERIALS

80

STANDARD  
ORGANIZATIONS

20K

DATA SOURCES

25M

DATA POINTS



### Resource Hub

UPCOMING WEBINARS

RECORDINGS

GUIDED TOURS

**Overview of Total  
Materia database**

WEBINAR

January 12th, 10AM CET  
Language: English

**Overview of Total  
Materia database**

WEBINAR

January 12th, 9AM EST  
Language: English

**Overview of Total  
Materia database**

WEBINAR

January 13th, 2PM CET  
Language: English

**Overview of Total  
Materia database**

WEBINAR

January 13th, 9AM PST  
Language: English

# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEO

Menu



# ASTM Compass

EN

Help

Sign In/Register



All



Search designation, keyword(s), title



Welcome Back, Università degli studi di Padova

Recently Updated

Subscriptions

Adjunct ASTM

ADJD2148-E-PDF

Adjunct to D2148 Test Methods for Bondable Silicone Rubber Tapes Used for Electrical Insulation

Adjunct ASTM

ADJD1494-E-PDF

Adjunct to D1494 Test Method for Diffuse Light Transmission Factor of Reinforced Plastics Panels

Adjunct ASTM

ADJD2889-E-PDF

Adjunct to D2889 Test Method for Calculation of True Vapor Pressures of Petroleum Distillate Fuels



Meeting the future of combustion engines

SAVE THE DATE!

**CIMAC**  
CONGRESS 22  
BUSAN, JUNE 13–17, 2022

## The Log

15 January 2022: The amount of electricity generated worldwide from coal reached a new annual record in 2021, undermining efforts to reduce GHG emissions and potentially putting global coal demand on course for an all-time high next year, according to IEA's Coal 2021 report  
[more ...]

13 January 2022: [Trunett Environmental](#)—now on DieselNet—is a China based manufacturer of emission control catalysts and systems for heavy-duty and stationary diesel engines. Trunett's product offering includes diesel oxidation catalysts, catalyzed diesel particulate filters and SCR catalysts for OEM, retrofit and aftermarket applications.

## Our Sponsors

EPANet 5.0 compliant

CEE Test it!



# Section 3 | Engineering databases



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA




SISTEMA BIBLIOTECARIO  
DI ATENEIO



Contact us +44 345 086 8037

Welcome Care Segreteria - PADOVA [Logout](#)

[Home](#) [My Account](#) [Browse for Standards](#) [My Favourites](#) [Help and FAQs](#)



Advanced Search

▼ My Subscription

BSI MOD  
53 modules

About Standards

Free Training

Standards Help: BSI  
Knowledge Centre

FAQs

### Have you visited the [Standards Development Portal](#)?

This easy-to-use information and review tool offers increased visibility of the way standards are made. It will help you:

- Browse and track standards in development of interest to you and your organization.
- Discover and comment on proposed and draft standards.
- Find out information about BSI committees such as their membership and standards they are working on.
- Suggest ideas for new standards work.

[Find out more.](#)

### Free BSOL Training

All BSOL subscribers are entitled to free training. This can be delivered in various formats, including remote training, webinars or face-to-face sessions. These are available on-site, at your organization, for small or large groups, depending on your requirements.

The training sessions help subscribers make the best possible use of the BSOL service, providing a full breakdown of BSOL and giving opportunities to ask our expert trainers any questions. Training is free and unlimited throughout your subscription. Webinars tailored to the needs of our global subscribers are also available.

[Book your training session.](#)

[View BSI Standards](#) [View ASTM Standards](#) [View ASME Standards](#) [View ISO Standards](#) [View IEC Standards](#)



# Google Scholar



☒ Articles ☐ Case law

**Stand on the shoulders of giants**

[Go to Google Scholar](#)

# Section 4 | Open access

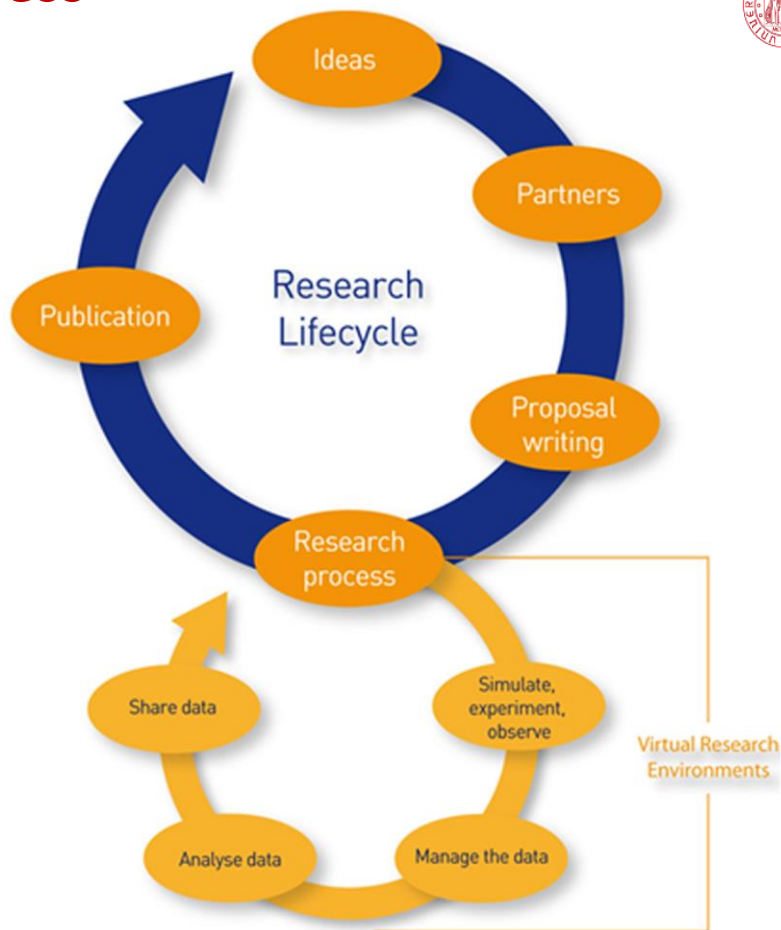
## The research lifecycle



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



Adapted original source: Joint Information Systems Committee (JISC), *Stages of the research and data lifecycle*, viewed 10<sup>th</sup> January 2020  
[https://www.researchgate.net/figure/Joint-Information-Systems-Committee-JISC-Stages-of-the-research-and-data-lifecycle\\_fig1\\_51476349](https://www.researchgate.net/figure/Joint-Information-Systems-Committee-JISC-Stages-of-the-research-and-data-lifecycle_fig1_51476349)

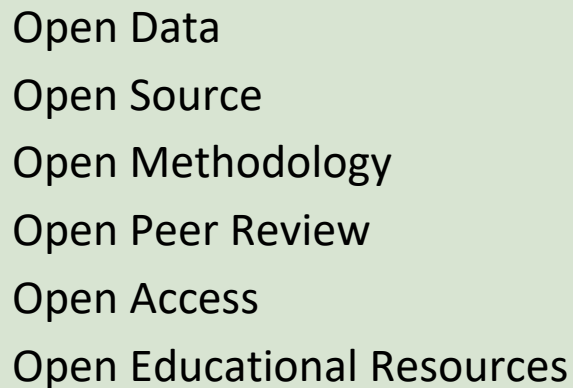


“Open science is the movement to make scientific research, data and dissemination accessible to all levels of an inquiring society”

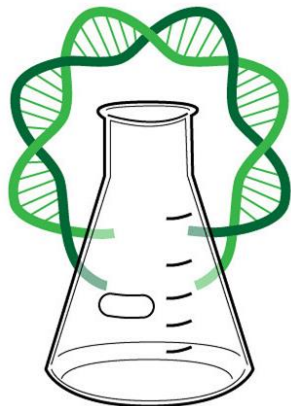
*FOSTER consortium*

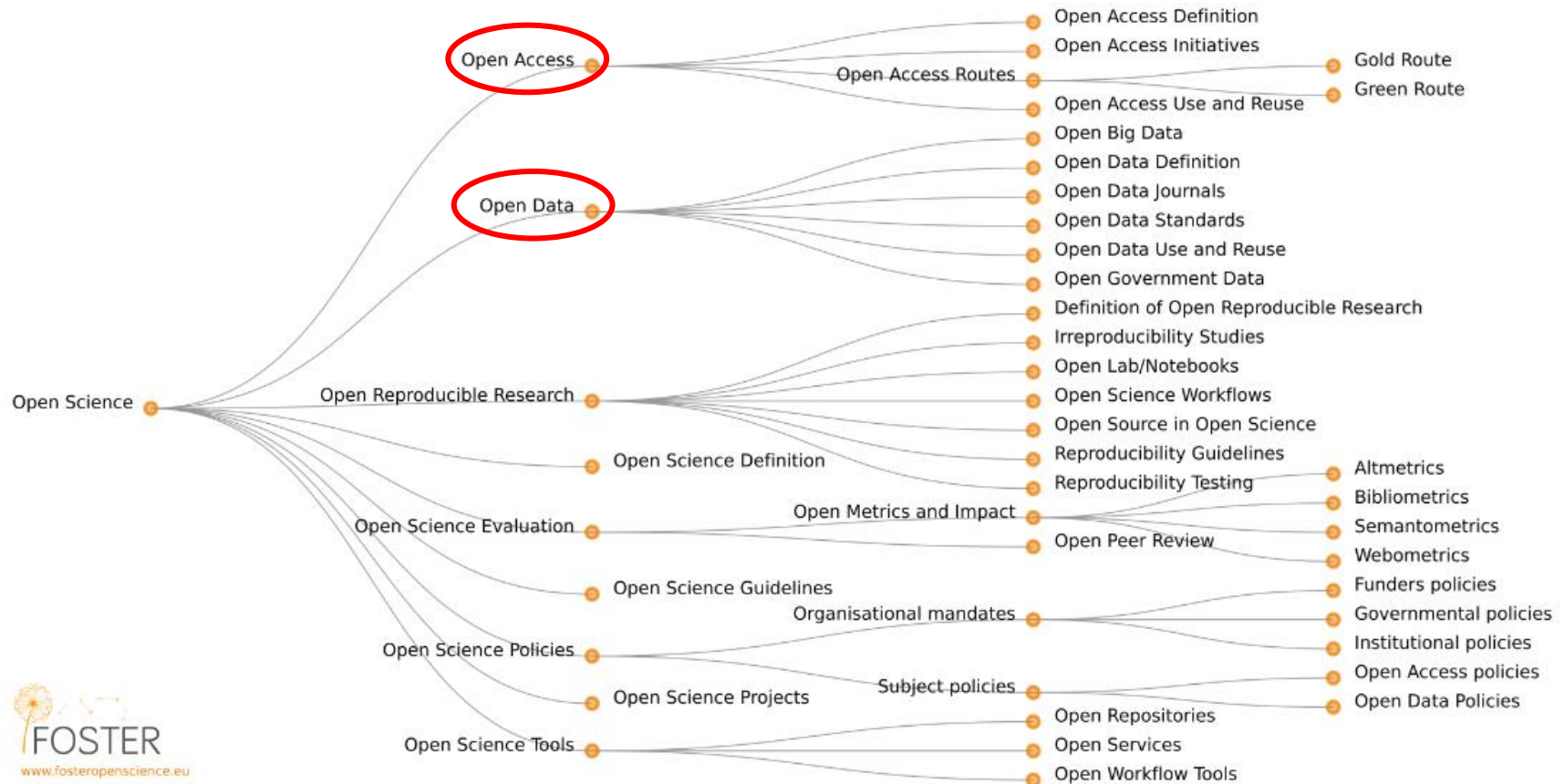


## Open Science



- Open Data
- Open Source
- Open Methodology
- Open Peer Review
- Open Access
- Open Educational Resources





## Global Search


## Type of searches:

- > simple
- > advanced
- > only full text records

## Browse

- Author
- Year
- Subject
- Division
- Ph.D
- For companies

## Statistics

- Statistics
- Latest

## The Archive

- Repository policies
- Create account
- User Area
- Submit a thesis
- Submit a document
- Copyright

## Link

Padua@thesis

Welcome to Padua@research

## WARNING






If you need to submit your document for the evaluation of research (VQR), please remember that you have to use the institutional repository [Padua Research Archive \(IRIS\)](#)

Padua@research is the Institutional Repository for University of Padova Research Works. This Archive contains digital documents derived by the scientific activity of teaching staff, researchers and fellow-workers of this Athenaeum. In Padua@research are also stored Ph.D thesis.

All the operations to deposit, modify and access to the works are very simple.

[The self-archiving procedure](#) makes visible on the web the full text of the stored works. [\[Continue...\]](#)

What do you want to do?

-  [Search for a work](#)
-  [Register](#)
-  [Deposit a document / Access to my area](#)
-  [Deposit a Ph.D thesis](#)
-  [Tell me more](#)



Padua@Research supports [OAI 2.0](#) with a base URL of <http://paduaresearch.cab.unipd.it/cgi/oai2>

# Section 4 | Padua Research Archive (IRIS)



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

RESEARCH PADUA  
ARCHIVE

Help

Browse ▾

Search DSpace



Login

Padua Research Archive, the institutional repository of the scientific production of the University of Padua, aims to collect, document, preserve and publish, also in open access, the scientific production of the University of Padua. Padua Research Archive is based on IRIS (Institutional Research Information System) developed by Cineca.



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



IRIS Università degli Studi di Padova / Homepage

English ▾



## CURRENT SEARCH CRITERIA

for

Go

Star a new search

Add filters:

Use filters to refine the search results.

Title ▾

Equals ▾

Add

QUICK START GUIDE

ENTERING NEW PUBLICATION

TUTORIAL VIDEO

OPEN ACCESS DOCUMENT

ATTACHMENT GLOSSARY

DEPARTMENT CONTACTS

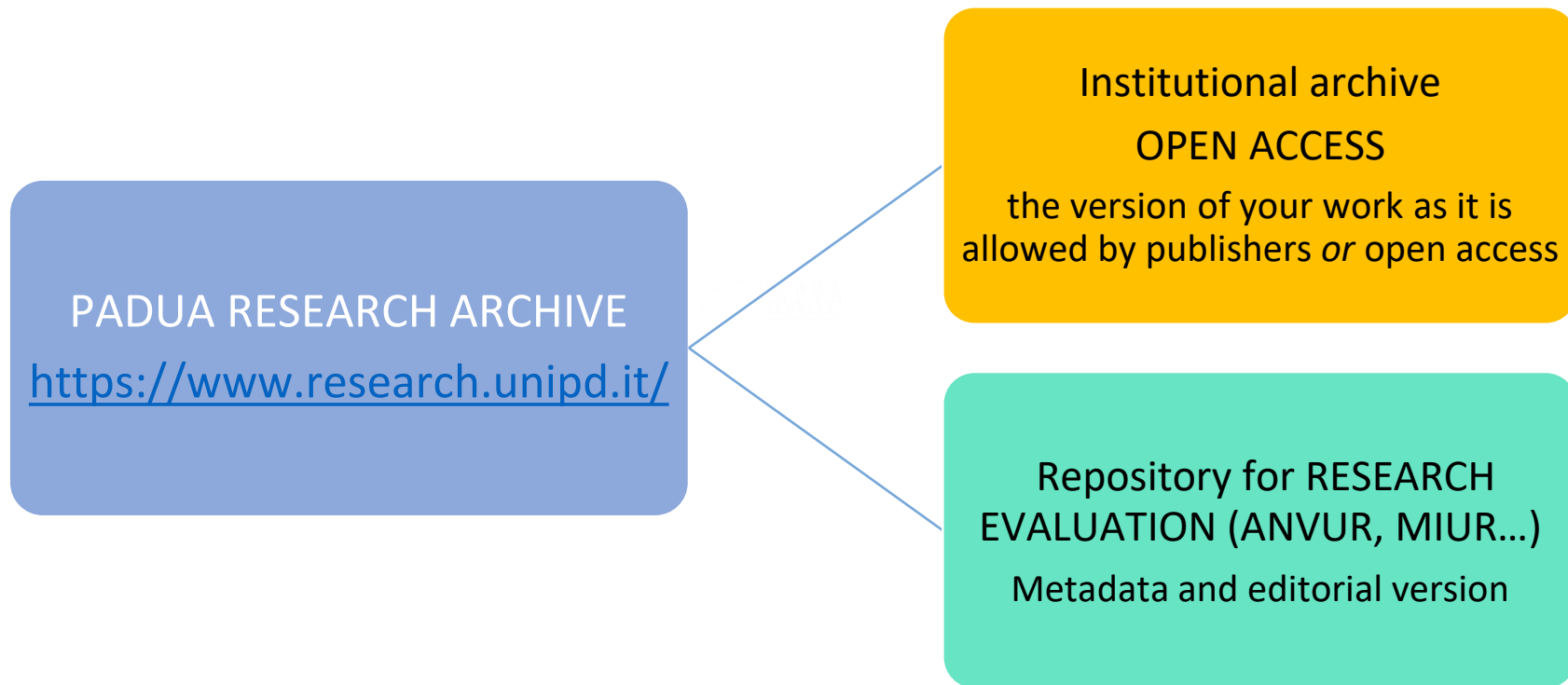
# Padua Research Archive (PRA) as an Open Access archive: IRIS beyond Research evaluation



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



# Padua Research Archive (PRA) as an Open Access archive: IRIS beyond Research evaluation



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEO

## Benefits

- Your work is available to a wider audience;
- Self-archived articles get higher citation rates (between 50-250% more citations [Brody, 2007]);
- Institutional archives guarantee long-term preservation;
- Researchers are able to access and use full text content published in that area.

8.384  
PUBBLICAZIONI

1.105  
CONTRIBUTI  
IN VOLUME

1.216  
CONTRIBUTI IN  
ATTI DI CONVEGNO

# Padua Research Archive (PRA) as an Open Access archive: IRIS beyond Research evaluation



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



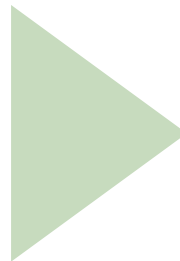
SISTEMA BIBLIOTECARIO  
DI ATENEIO

Once you have uploaded your work to IRIS/PRA the research support group:

Checks whether the publisher's policies allow you to publish open access

Checks the embargo dates and validates the attachment

Supports authors via SBA Help - Research Support - OA



RESEARCH PADUA  
ARCHIVE

The validation process involves a delay in the publication of the OA content in PRA, but protects the author.

It is possible to report contributions that need to be displayed on the faster public portal.

# Padua Research Archive (PRA) as an Open Access archive: IRIS beyond Research evaluation



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

Who uploads  
attachments to PRA?

Authors and  
departmental  
representatives

Who should I contact if  
there are any technical  
issues?

[Research Office](#)  
*Settore Supporto  
Informativo  
Valutazione Ricerca*

Who should I contact  
re: uploading open  
access content?

Author support via  
[Library Helpline](#)  
queue:  
*Supporto Open  
access (supporto  
ricerca)*



## For evaluation

Contribution for which  
publication rights are  
transferred to the  
publisher: the attachment will  
be visible only to the evaluators

Contribution already published  
in OA: the attachment will be  
visible to everyone

*Attachments declared completely open  
access by authors are still checked*

## For Open Access

pre-print  
post-print (embargo if needed)  
editorial version (if it is allowed)

Contribution published in Open  
Access journals



what to do  
before  
publishing

Always check publishers' policies regarding self-archiving!

[SHERPA ROMEO](#) collects the content policies of publishers and academic journals by exemplifying them

[\*Think. Check. Submit.\*](#)

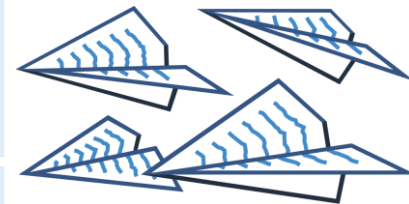
Through a range of tools and practical resources, this international, cross-sector initiative allows you to critically judge and identify the most suitable and highest quality open access magazine



what to do  
before  
publishing

If your content has a DOI you can use [shareyourpaper.org](https://shareyourpaper.org): it will run a permissions check and tell you if and how you can share it.

What you get is a link like this one:  
<https://zenodo.org/record/3703317>



Make your research visible and see 30% more citations

We can help you make your paper Open Access, for free, wherever you publish. It's legal and takes just minutes. Join millions of researchers sharing their papers freely with colleagues and the public.

Start by entering the DOI of your paper

We'll gather information about your paper and find the easiest way to share it.

e.g. 10.1126/scitranslmed.abc2344

Next

Try an example [10.1126/scitranslmed.abc2344](https://zenodo.org/record/3703317) or [learn more](#).

Shareyourpaper.org by OA.Works

if you are  
publishing in  
an OA journal

- Check whether the publisher is listed in directories such as **DOAJ** (a directory that indexes and provides access to quality, peer-reviewed, open access journals) as well in disciplinary and multidisciplinary databases
- <https://beallslist.net/>: a list of potential predatory journals
- Choose a **Creative Commons** license
- Check the **APC** costs

what to do  
during  
publication

Keep the different versions of your work:

- the version you sent to the publisher (*pre-print*)
- the «accepted» version (*post-print*) without minor revisions, logos etc.

APC  
Article  
Processing  
Charge

## Open Access: discounts for authors

University Library System

Thanks to specific agreements between University and publishers, if a scientific contribution is published in Open Access there are some discounts on the payment of APCs and some reductions on the cost of publication

# Where to find copyright and self-archiving information



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



[Sherpa Romeo](#)

[Think. Check. Submit.](#)



Contact OA Research  
Support – [Aiuto SBA](#)



Publishers' websites



[OA@unito.it](#)

## Open Access: a wrap-up

- Increased visibility → higher citation rates
- Recognized in promotion and tenure
- OA journals / self-archiving (Padua Research Archive)

# Open Data



Open Data are online, free of cost, accessible data that can be used, reused and distributed, provided that the data source is attributed.

*FOSTER Consortium*

- Data must be accessible to both the scientific community and ordinary citizens (citizen science)

Accessible  
data

Open data

- Data are open if they can be freely accessed, used, modified and shared by anyone and for any purpose

- [Checklist](#): How open are your data?
- [Codata] [Legal Interoperability of Research Data: Principles and Implementation Guidelines](#)

Useful tools



# Open data: a five-stars rating system



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

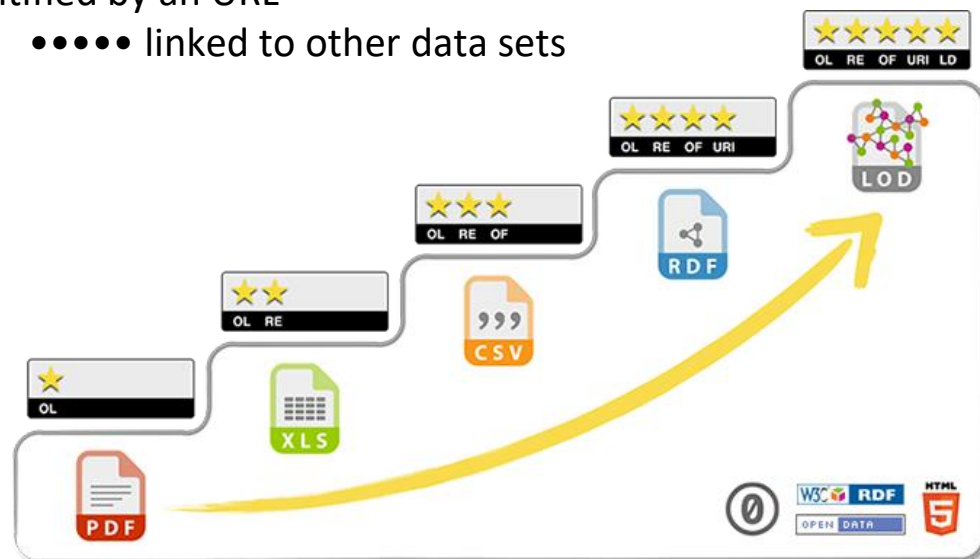
OL (On Line)  
open license

OF (Open Format)

URL (Uniform Resource Identifier)

LD (Linked Data)

- available on the web + distributed with an RE (Readable)
- machine-readable structured data
  - encoded with non-proprietary software
- identified by an URL
  - linked to other data sets



# The FAIR Data principles



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



HOW FAIR  
ARE YOUR  
DATA?

# What are research data?



Recorded information (regardless of the form or the media in which they exist) necessary to support or validate a research project's observations, findings or outputs



Digital  
copies of  
images



GIS and  
spatial  
data



Spreadsheets



Digital texts or digital  
copies of text



Databases



Charts



Genetic or  
protein  
sequences



Audio



Video

BUT ALSO...

- Computer Aided Design (CAD)
- Waveforms
- Computer codes
- Statistics (SPSS, SAS)
- File Matlab
- Artistic products
- ...

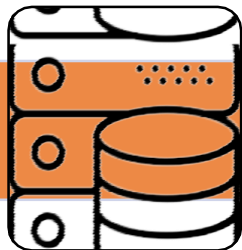
# General categories of data



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

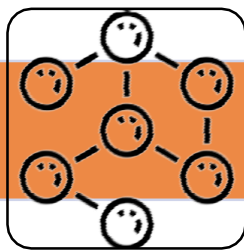


SISTEMA BIBLIOTECARIO  
DI ATENEIO

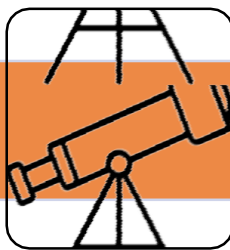


**Derived or  
compiled**  
(e.g. compiled  
databases,  
text or data  
mining)

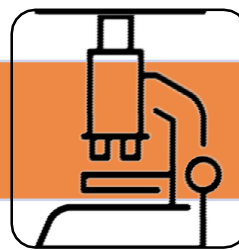
reproducible  
but expensive



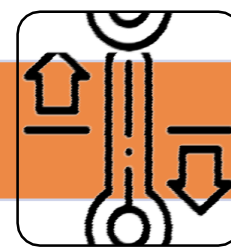
**Reference**  
(e.g. gene  
sequences  
databases,  
chemical  
structures,  
portals with  
spatial data)



**Observational**  
(e.g. sensor  
readings,  
survey  
instruments)  
  
acquired in real  
time and usually  
irreplaceable and  
not replicable

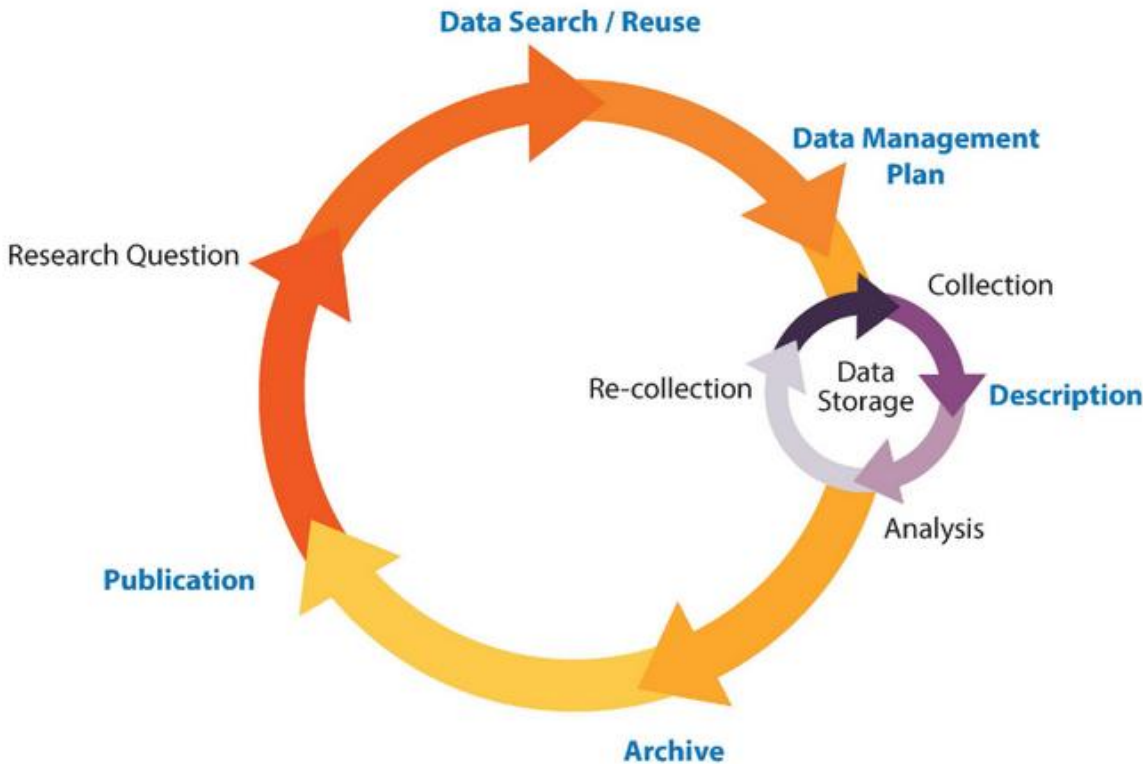


**Experimental**  
(e.g. gene  
sequences,  
magnetic fields  
data )  
  
lab equipment  
readings,  
generally  
reproducible but  
expensive



**Simulation**  
(e.g. climate  
models)  
  
data generated  
from test  
models, not  
always  
replicable

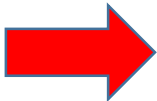
## The Research Data Curation Lifecycle



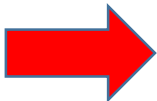
# Research data: life cycle



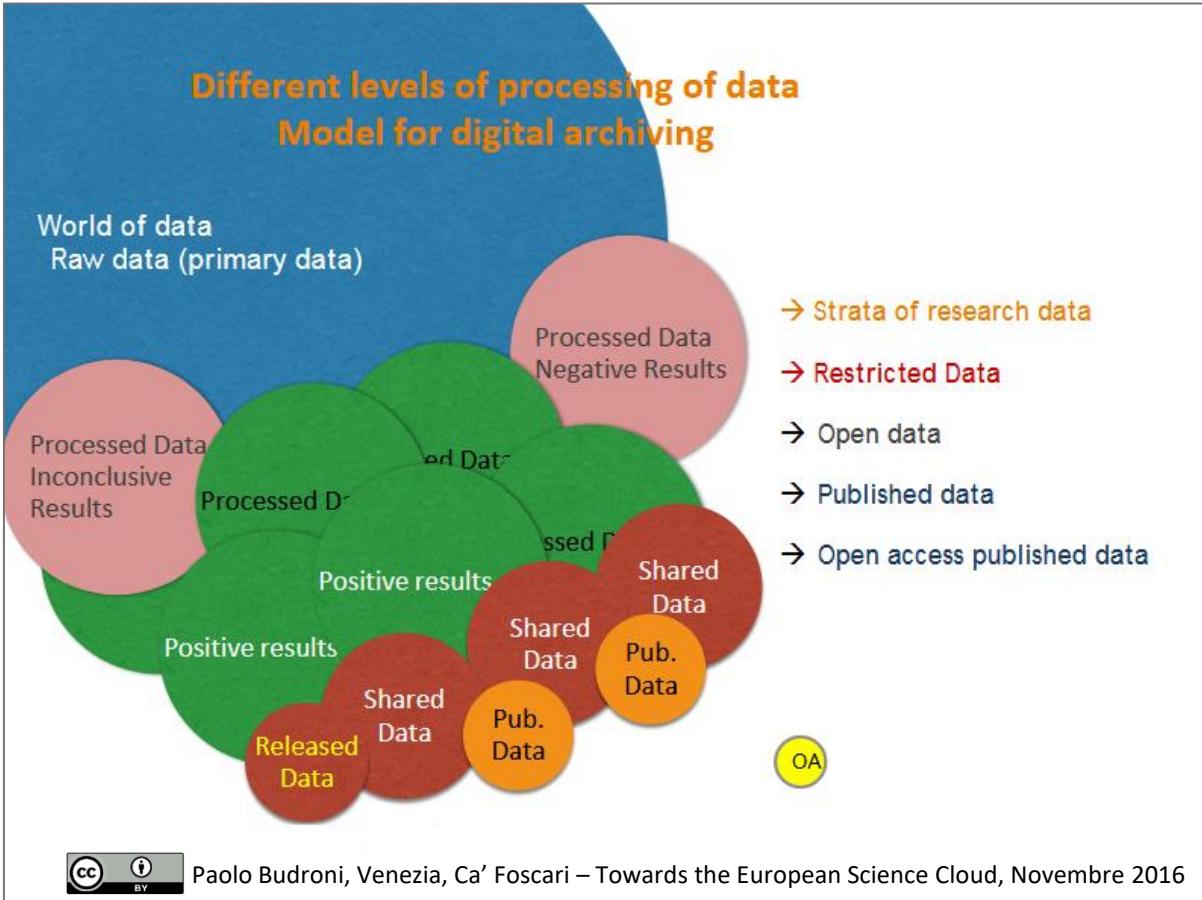
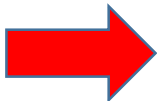
Raw data collected or generated during the research.



Data are then processed and analyzed; they can lead to positive, negative or inconclusive results.



Only a small part of the data collected during a research is included in a publication.



# Managing research data: 5 steps



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



1. Collect  
research data

2. Reasonably  
name data

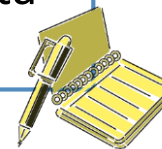


Tips on  
[metadata standard](#)  
for [different](#)  
[disciplines](#)



3. Structure data in  
hierarchical systems

4. Record data  
through metadata

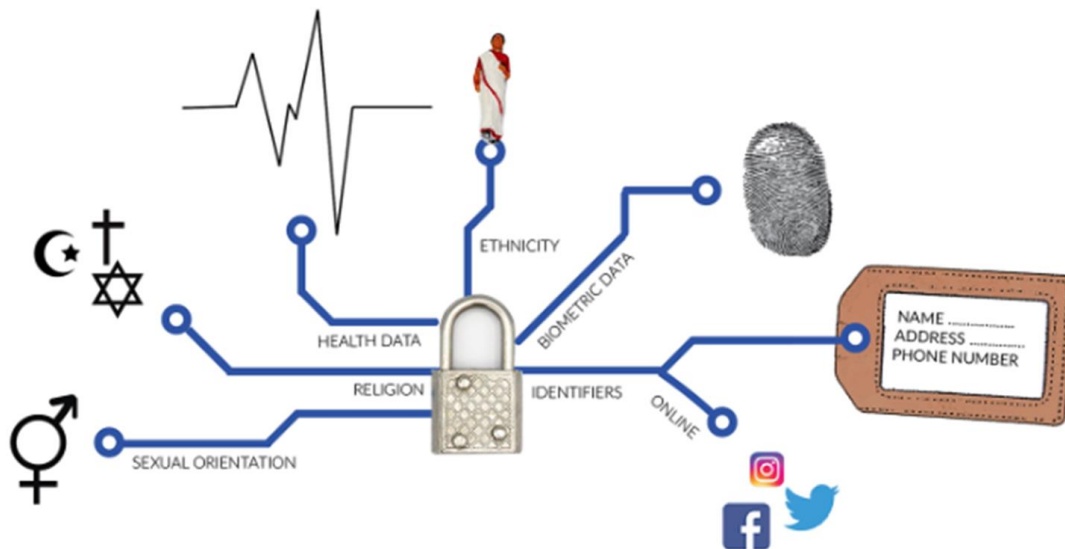


5. Pay attention to  
the file format  
(Guide on ["naming and  
version control"](#) )

**Works containing sensitive data relating to identifiable persons must not be disseminated in Open Access!**

## BEFORE collecting data:

- Carry out a **risk assessment**
- Choose which data to collect + follow the **minimization principle**
- Prepare an **informed consent document** (information about the research, the subjects involved, the way data is going to be shared and stored)



[GDPR \(General Data Protection Regulation\)](#)



Information on [research integrity](#) and [research ethics](#)

## AFTER collecting data:

- **Protect the identities** of the subjects involved (e.g. pseudonyms; keeping the information that allows identification in a separate archive)
- **Anonymize + aggregate** data
- **Regulate access**

# Data Management Plan (DMP)



**A formal document that needs to be devised at the beginning of the project.  
It outlines in detail:**

Data

- Are your data going to be open?



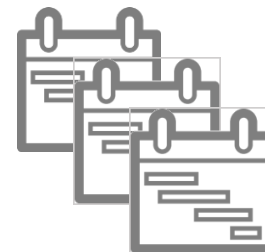
Management

- Activities related to the structure, storage and security of data



Versioning

- Periodically reviewed and updated



**Need help?**

[Research Office](#) –  
Settore Supporto  
Informativo  
Valutazione Ricerca

[Library Helpline](#) –  
queue: 09 Tesi di  
dottorato  
(Padua@research)

# How to manage research data

Unipd's «[Policy sulla gestione dei dati della ricerca](#)»

is in force from  
1st December  
2018

who, what

where

how

## Policy sulla gestione dei dati della ricerca<sup>1</sup>

### 1) Premessa

L'Università degli Studi di Padova riconosce l'importanza fondamentale dei dati prodotti durante l'attività di ricerca. Pertanto riconosce la rilevanza della loro gestione per il mantenimento della qualità della ricerca scientifica e si impegna ad applicare i più elevati standard per la loro raccolta, archiviazione e conservazione.

L'Università degli Studi di Padova riconosce che dati della ricerca affidabili e facilmente reperibili sono alla base di ogni progetto di ricerca e sono altresì necessari per la verifica di attendibilità e correttezza della conduzione e dei risultati del progetto e per la sua riproducibilità.

L'Università degli Studi di Padova riconosce che i dati della ricerca, costituiscono patrimonio dell'istituzione universitaria, nonché risorsa - anche a lungo termine - per la ricerca, la didattica universitaria ed il progresso della società.

Ai fini della presente policy si considera la definizione di "dati della ricerca" e di "affendenti all'Università di Padova" così come da allegato 1.

### 2) Ambiti di applicazione

La presente "policy" si applica a tutti i progetti di ricerca dell'Università limitatamente alle parti di cui essa è responsabile attraverso i propri afferenti che sono tenuti ad osservarla. Nel caso in cui la ricerca sia stata finanziata da parti terze ed esistano accordi specifici relativi al controllo dei dati, al loro accesso e conservazione, tali accordi prevalgono sulla presente policy.

### 3) Trattamento dei dati della ricerca

Nel rispetto della vigente normativa in materia di protezione dei dati personali e di proprietà intellettuale, nonché delle disposizioni contenute nello Statuto e nei regolamenti dell'Università e fatti salvi gli specifici accordi per il finanziamento della ricerca stipulati con terze parti, i dati della ricerca, una volta pubblicati, sono archiviati e resi liberamente disponibili all'uso per finalità di ricerca scientifica o storica, o di pubblico interesse.

I dati della ricerca devono essere archiviati nell'*archivio digitale* dell'Università degli Studi di Padova denominato "Research Data UniPd" oppure in un *archivio digitale* che rispetti gli standard internazionali.

Tali dati devono essere archiviati in modo corretto, completo, affidabile, rispettandone l'integrità. Devono inoltre essere accessibili, identificabili, tracciabili, interoperabili e, laddove possibile, disponibili per usi successivi (principi FAIR<sup>2</sup>).

## Research Data: a wrap-up

- FAIR = can be found, understood and reused
- Open = can be used, modified and shared by any person
- Managed through a DMP and deposited in a data repository

### Research Data Unipd

is a platform for long-term management and archiving of research data and for the access and re-use of data necessary to validate the results of scientific publication



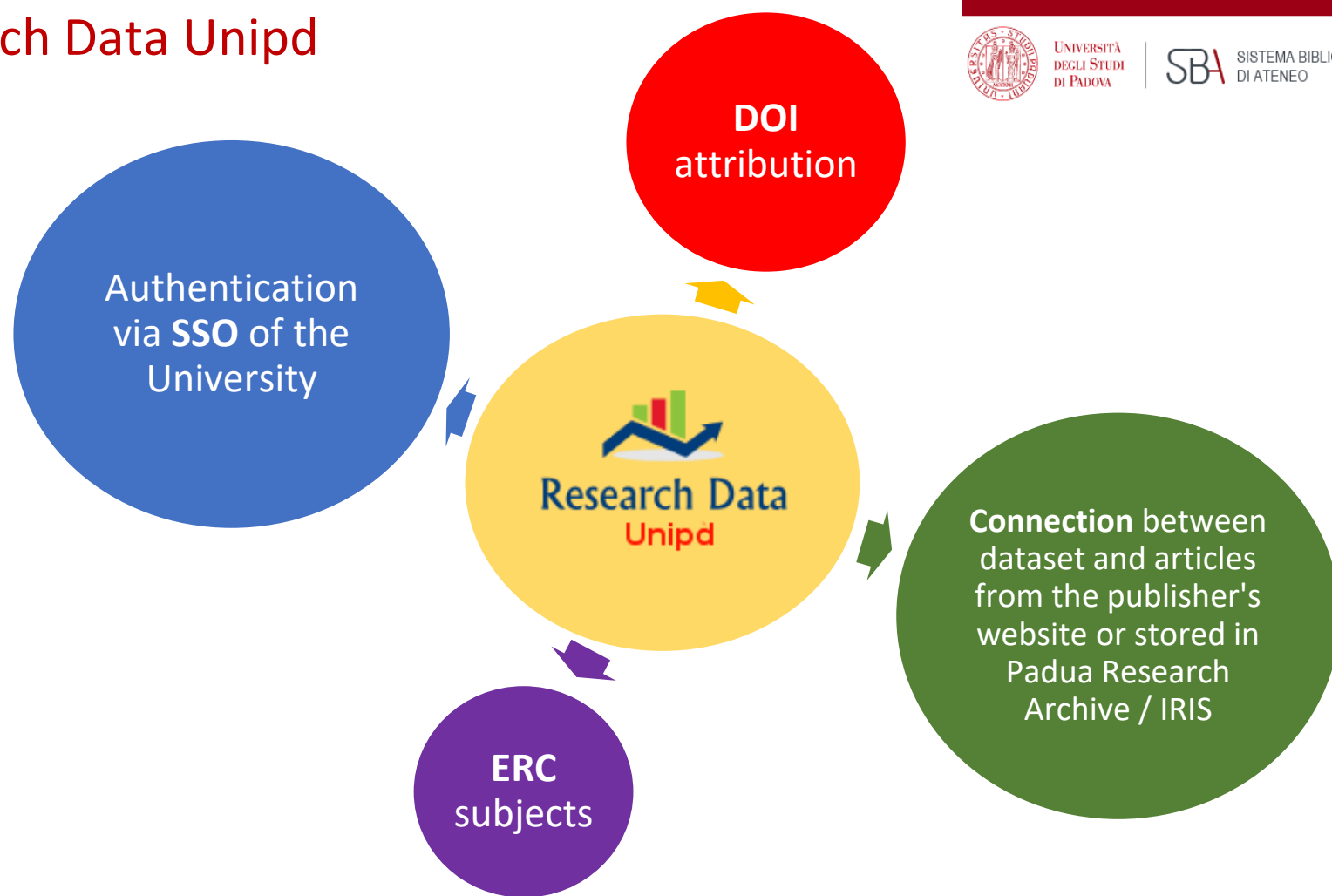
# Research Data Unipd



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



## Welcome to Research Data Unipd

Research Data Unipd is a research data archive. The service aims to facilitate data discovery, data sharing, and reuse as required by funding institutions (eg. European Commission).

Anyone has access to data. The deposit of datasets is reserved to institutional users: they can login with their SSO credentials.

For more information on Research Data Management and Repositories, please refer to the [Research Data Management Service web pages](#) or contact the [Library Help-line](#).

Atom RSS 1.0 RSS 2.0

### [Latest Additions](#)

View items added to the repository in the past week.

### [Search Repository](#)

Search the repository using a full range of fields. Use the search field at the top of the page for a quick search.

### [Browse Repository](#)

Browse the items in the repository by [Year](#), [Subject](#), [Department](#) and [Authors](#).

### [About this Repository](#)

More information about this site.

Research Data Unipd supports [OAI 2.0](#) with a base URL of <http://researchdata.cab.unipd.it/cgi/oai2>

It allows the self-archiving of datasets of any format with FAIR mode, as recommended by the European Commission.

Home

About

Research Data Policy

Howto

[Login](#)

## About the Repository

### About Research Data Unipd

Research Data Unipd supports research produced by members of the University of Padova. The service aims to facilitate data discovery, data sharing, and reuse as required by funding institutions (eg. European Commission).

### Quality

Datasets published in the Archive have a set of metadata that ensure that data are described and discoverable. Before publication, dataset records are checked by Editors for presence of appropriate metadata.

### Metadata Policy

All published metadata are released under a CC0 licence.

### Re-using data

We encourage Researchers to use licences on their datasets to promote reuse of the research data. The licence to be preferred is Creative Commons Attribution 4.0, but several others are used. Any re-use must acknowledge the Creators in an appropriate manner, ideally through a citation similar to that provided with the record.

### Recommended formats and data files

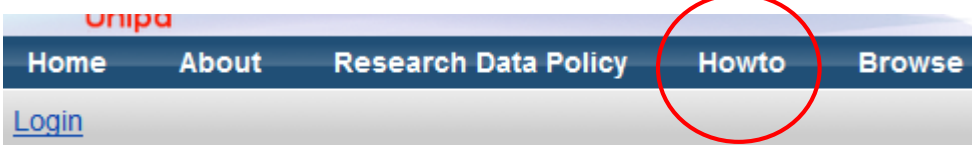
[Formats and data files.](#)

### Submission policy

[Submission policy concerning depositors, quality & copyright.](#)

### Data deposit agreement

[Agreement to terms and conditions.](#)



## HowTo

### Before you start to upload data ...

- **If you have a large number of files, zip them into manageable bundles before you start.**
- Name your files in a significant way and avoid using spaces, dots and special characters; use hyphens (-) or underscores (\_) to separate elements.
- You can upload any type of file, but we ask you to use [open formats](#) whenever possible to ensure long-term preservation and accessibility.
- Locate any data you want to upload along with any supplementary materials, such as a **readme file**. Of course it should not be included into a compressed folder.
- If you have an [ORCID](#) make sure you have it to hand, you can enter this along with your personal details and with those of your co-authors.
- If the data underpins a published paper you will need to include the identifier (DOI, handle, etc.) of the paper in the dataset record.
- If you're funded you will need to enter the funder name and your grant number.
- Have you checked your [funder policy](#) on research data? There may be specific requirements.
- Do you know how long your data needs to be kept? Your funder may specify a retention period.

### Walk-through guide to depositing

This guide takes you through the steps required to deposit a data set on Research Data Unipd.

### Log in and User area

# A dataset

## A dataset for hand-eye calibration evaluation

Koide, Kenji and Menegatti, Emanuele (2019) *A dataset for hand-eye calibration evaluation*. [Data Collection]

**Related publications:** • <https://ieeexplore.ieee.org/abstract/doc...> (Publisher)

### Collection description

Description: This dataset aims to assess the accuracy of hand-eye calibration methods (i.e., estimation of the transformation between a robot end effector frame and a camera mounted on it). It contains two sets of images and corresponding robot hand poses. The first one (calib\_test) contains images of a calibration pattern to estimate the hand-eye transformation. The second one (spirit\_reconst) contains images of a pattern to be 3D reconstructed and manually annotated 2D feature points on the images. By performing multi-view 3D reconstruction on the second set and checking the flatness of the reconstructed points, the calibration accuracy can be assessed. The dimension of the calibration pattern in this dataset is 32 mm. Paper: Kenji Koide and Emanuele Menegatti, General Hand-Eye Calibration based on Reprojection Error Minimization, IEEE Robotics and Automation Letters/ICRA2019

**Keywords:** Hand-eye calibration

**Subjects:** Physical Sciences and Engineering > Computer Science and Informatics: Informatics and information systems, computer science, scientific computing, intelligent systems > Computer graphics, computer vision, multi media, computer games

**Department:** [Departments > Dipartimento di Ingegneria dell'Informazione \(DEI\)](#)

**Depositing User:** Kenji Koide

**Date Deposited:** 29 Apr 2019 11:49

**Last Modified:** 25 Jun 2019 12:24

**DOI:** 10.25430/researchdata.cab.unipd.it.00000122

**URI:** <http://researchdata.cab.unipd.it/id/eprint/122>

[+ Additional details](#)

### Available Files

#### Data

[st\\_handeye\\_eval.tar.gz](#)

### Cite As

Your DOI:

10.25430/researchdata.cab.unipd.it.00000122

Select Formatting Style:

apa

Begin typing (e.g. Chicago or IEEE.) or use the drop down menu.

Select Language and Country:

it-IT

Begin typing (e.g. en-GB for English, Great Britain) or use the drop down menu.

[Format](#)




UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

# Details of the dataset

## Additional details

<b>Creators/Authors:</b>	<b>Creators</b> Zane, Antonella	<b>Email</b> antonella.zane@unipd.it	<b>ORCID</b>  <a href="https://orcid.org/0000-0001-7218-6068">orcid.org/0000-0001-7218-6068</a>
<b>Type of data:</b>	Text		
<b>Contributors:</b>	<b>Contribution</b>	<b>Name</b>	<b>Email</b>
	Editor	Chavarria Amau, Alexandra	UNSPECIFIED
	Editor	Brogiolo, Gianpietro	UNSPECIFIED
<b>Collection period:</b>	<b>From</b> 1999	<b>To</b> 2000	
<b>Geographic coverage:</b>	Italia - Veneto		
<b>Data collection method:</b>	Utilizzata microsonda elettronica (EMPA), microscopio a Trasmissione elettronica (TEM), diffrazione RX su polveri, analisi petrografica al microscopio polarizzatore.		
<b>Statement on legal, ethical and access issues:</b>	La ricerca non ha prodotto dati sensibili né altri tipi di dati con rilevanza etica.		
<b>Data processing and preparation activities:</b>	Campioni di roccia provenienti da cave di pietra ollare delle Alpi centro-occidentali; frammenti di reperti archeologici provenienti da recipienti in pietra ollare rivenute in Veneto.		

grafica, Alpi  
ographic

Earth  
geology,  
eanography,  
nvironmental  
resources  
gneous

enze

000072

t/72

## Available Files

### Data

 **Monselice\_ollar ...  
ci\_Zane2017.PNG**

 **Monselice\_ollar ...  
io\_Zane2017.PNG**

**Visible to:** Anyone

**Content type:** Data

**Description:** microscopia

**Metadata Revision:** 3

**Mime-Type:** image/png

**License:** Creative Commons:  
Attribution 4.0

**File size:** 381kB

### Read me

 **Monselice\_readme\_file.txt**

**Visible to:** Anyone

**Content type:** ["content\_type\_name\_readme"  
not defined]

**Metadata Revision:** 3

**Mime-Type:** text/plain

**License:** Creative Commons:  
Attribution 4.0

**File size:** 922B

## Descriptive elements

### Studio mineralogico-petrografico dei reperti in pietra ollare della rocca di Monselice

Upload → Details → Subjects

< Previous Save and Return Cancel Next >

★ Title ?

Studio mineralogico-petrografico dei reperti in pietra ollare della rocca di Monselice

★ Collection description ?

Il presente lavoro, rimasto inedito fino ad oggi, rende conto dell'attività di ricerca svolta e dei principali risultati conseguiti dall'autore sui reperti in pietra ollare della rocca di Monselice. Il documento, completato nell'agosto 1999, fornisce il quadro mineralogico-petrografico dei reperti oggetto di studio e, per ciascun litotipo, alcune indicazioni sul settore delle Alpi di provenienza della pietra ollare. Il contenuto di questo lavoro riflette lo stato delle conoscenze e delle tecniche adottate al momento della redazione del testo e va ad integrare il contributo di Chiara Malaguti che viene

★ Keywords ?

pietra ollare, analisi mineralogica-petrografica, Alpi Medioevo.  
soapstone, mineralogic-petrographic analysis, Middle Ages,

★ Department ?


Departments: Dipartimento di Geoscienze

## Licenses for use

File

From URL

Sfogliala... Nessun file selezionato.



+ large.jpg

176kB

★ Visible to:

Content type:

Description:

Embargo date:

★ License:

Creative Commons: Attribution 4.0

Creative Commons: Attribution-No Derivative Works 4.0

Creative Commons: Attribution-Noncommercial 4.0

Creative Commons: Attribution-Noncommercial-No Derivative Works 4.0

Creative Commons: Attribution-Noncommercial-Share Alike 4.0

Creative Commons: Attribution-Share Alike 4.0

Data: Open Data Commons Attribution License (Attribution)

Data: Open Database License (ODbL) (Attribution-Share Alike)






Data: Open Database Contents License (DbCL)


Creative Commons: Public Domain Dedication

Software: Creative Commons: GNU GPL 2.0

Software: Creative Commons: GNU LGPL 2.1

Creative Commons: Attribution 4.0



Hide options 

?

?

?

?

?

Update Metadata

# Research Data Unipd. Back end



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO

**Creators/Authors**

	Family Name	Given name / Initials	Email	ORCID
1.	Zane	Antonella	antonella.zane@unipd.it	0000-0001-7218-6068
2.				
3.				
4.				

[More input rows](#)

**Corporate creators**

**DOI**

If this item has been given a Digital Object Identifier (DOI) when published elsewhere, please include it here.

**Type of data**

- ☒ **Text**  
If the dataset is mainly composed of text
- ☐ **Audio**  
If the dataset is mainly composed of audios
- ☐ **Video**  
If the dataset is mainly composed of videos
- ☐ **Image**  
If the dataset is mainly composed of images
- ☐ **Model**  
If the dataset is mainly composed of models
- ☐ **Software**  
If the dataset is mainly composed of software
- ☐ **Code**  
If the dataset is mainly composed of code
- ☐ **Machine/Instrument Log**  
If the dataset is mainly composed of Machine/Instrument log
- ☐ **Database**  
If the dataset is mainly composed of databases
- ☐ **Mixed**  
If the dataset is composed by mixed types
- ☐ **Other**  
If the dataset is mainly composed of other types not listed

Authors

Type of data

## Fields reserved for information on lenders

Research Funders	
Research funder:	1. <input type="text"/> <span>More input rows</span> <span>?</span>
Research project title:	1. <input type="text"/> <span>More input rows</span> <span>?</span>
Grant number:	<input type="text"/> <span>?</span>

## Links to documents on publishers websites or in Padua Research Archive / IRIS

Related publications	
URL	Type
<input type="text"/> <span>More input rows</span>	<div>UNSPECIFIED</div> <div>UNSPECIFIED</div> <div>Padua Research Archive</div> <div>Publisher</div> <div>Organisation</div> <div>Author</div>

## License for archiving and dissemination

Upload →

Details →

Subjects →

Deposit

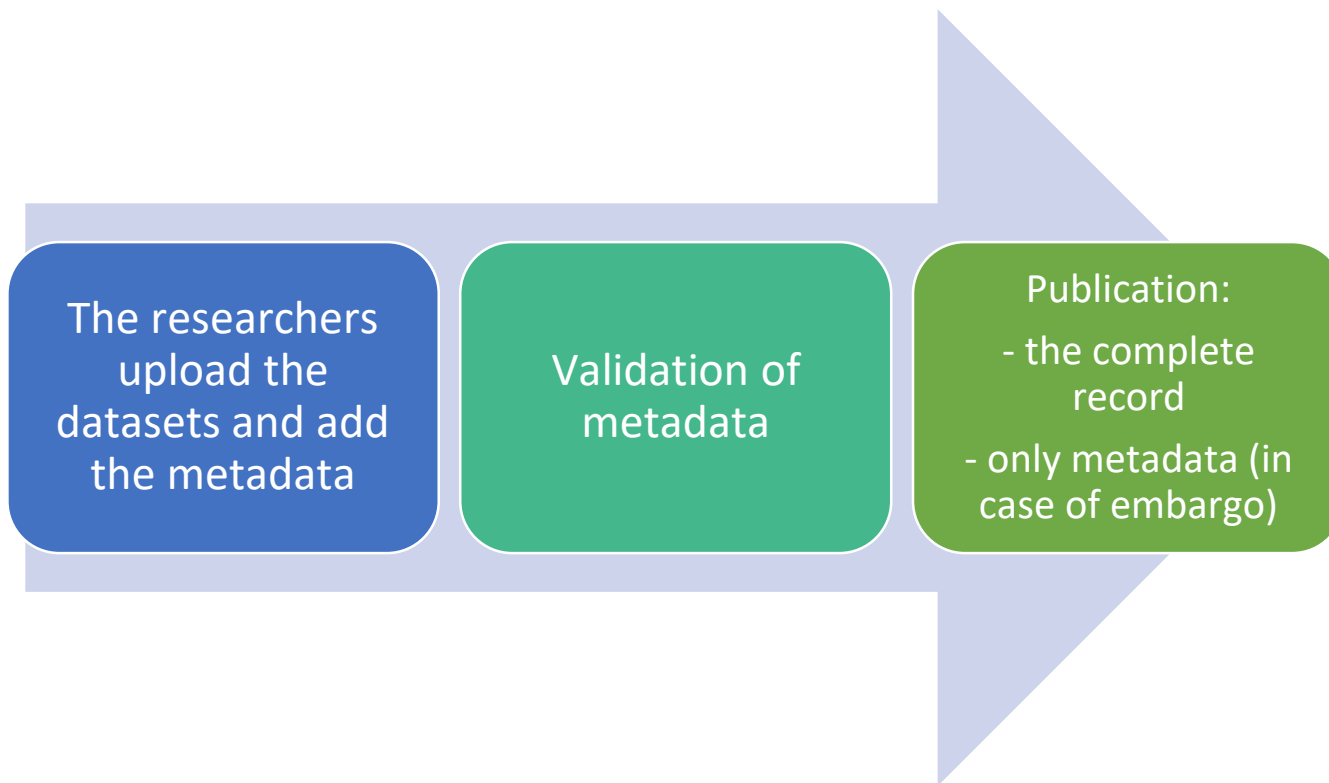
**For work being deposited by its own author:** In self-archiving this collection of files and associated bibliographic metadata, I grant Research Data Unipd the right to store them and to make them permanently available publicly for free on-line. I declare that this material is my own intellectual property and I understand that Research Data Unipd does not assume any responsibility if there is any breach of copyright in distributing these files or metadata.

Clicking on the deposit button indicates your agreement to these terms.

Deposit Item Now

Save for Later

## Deposit and publication flow



# Science research data: guidelines & tools



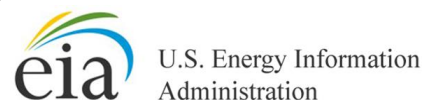
UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



SISTEMA BIBLIOTECARIO  
DI ATENEIO



The [American Chemical Society Publications \(ACS\)](#) is a non-profit scholarly publisher that provides a comprehensive collection, in any medium, of high-quality information products and services that advance the practice of the chemical and related sciences.



The [U.S. Energy Information Administration \(EIA\)](#) provides a wide range of information and data products covering energy production, stocks, demand, imports, exports, and prices. EIA is committed to enhancing the value of its free and open data by making it available through open data tools.



The [Open Access Scholarly Publishers Association \(OASPA\)](#) is a non-profit trade association representing the interests of open access journal publishers globally in all scientific, technical and scholarly disciplines

**"S-LÉGAMI!"**

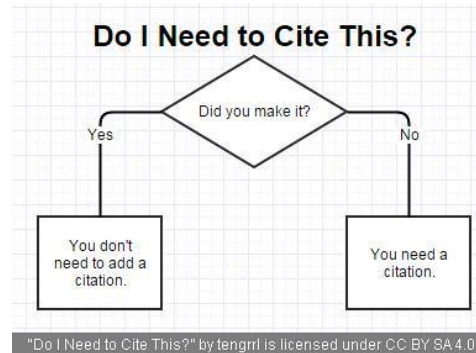
["S-légami! Open Access – Manuale d'uso per ricercatori"](#) is a freely available manual that was born in the APRE Working Group dedicated to Open Science and contains the answers to the most frequent questions and concerns of researchers on open access and open data.



[OpenAIRE](#) is a pan-European research information system, which provides services for finding, storing, linking and analyzing research results from all disciplines. Its mission is to move academic communication towards openness and transparency and to facilitate innovative ways to communicate and monitor research.

### What is a bibliography?

For the purposes of a research project, the bibliography is an **organised list** of the documents, books, articles, essays and web pages that have been consulted.



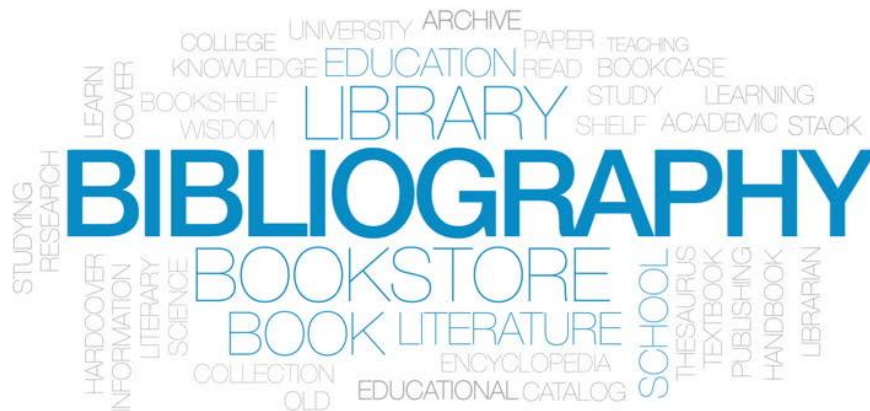
When drawing up a bibliography, the author/s has to decide on a **citation style**.

# Why use reference management software?



These applications can help you:

- import citations from catalogues, databases and websites
- create and organize bibliographies for theses, books and articles
- insert and format citations within the text of documents



# What are the types of citation management tools?



Many applications are available, but here are the most popular softwares:



[Mendeley](#) (free) – [help guides](#)

[Zotero](#) (free) – [help guides](#)

If you're not sure which citation management software is best for you, check out [our comparison chart](#) (Italian version).

# Do you need help?



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



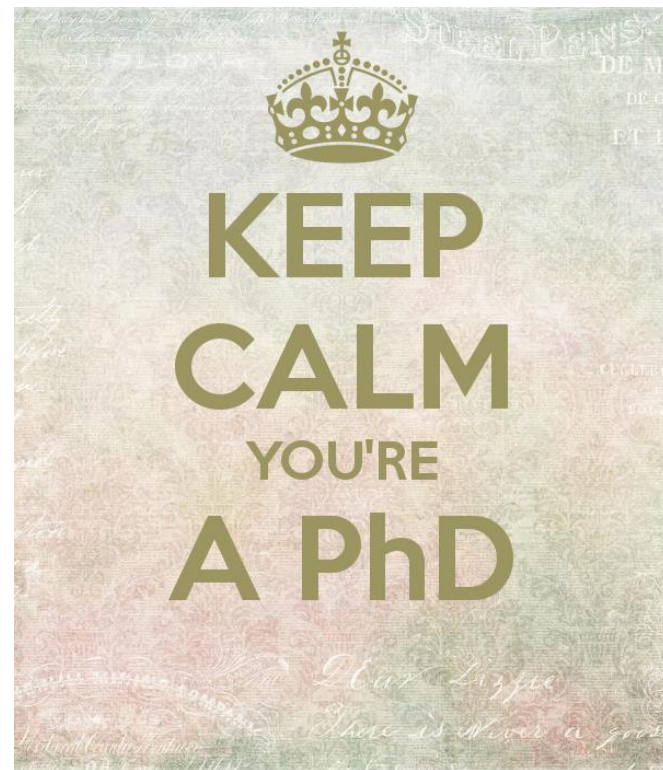
SISTEMA BIBLIOTECARIO  
DI ATENEIO

The University Library System periodically organize **training courses of Mendeley and Zotero**.

To verify available dates, you just have to check this link and choose your location:

<http://bibliotecadigitale.cab.unipd.it/en/training-courses>

You can access to the courses in all the libraries of the University, so not only in Engineering Libraries.



# Courses in February:



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA




SISTEMA BIBLIOTECARIO  
DI ATENEIO



SBA SISTEMA BIBLIOTECARIO  
DI ATENEIO

**Train**

DO YOU NEED HELP  
WITH YOUR BIBLIOGRAPHY?  
IT'S EASY WITH  
ZOTERO & MENDELEY!

 **MENDELEY WORKSHOP**

THURSDAY FEBRUARY 10  
10:30 – 12:00 A.M.  
IN ENGLISH!  
(TUTTE LE AREE)



- Engineering libraries contacts:  
[biblio.inge@unipd.it](mailto:biblio.inge@unipd.it) – [biblio.dim@unipd.it](mailto:biblio.dim@unipd.it)
- for any information about the **credits**, please ask to the administrative office of your Department.

# Satisfaction survey



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA

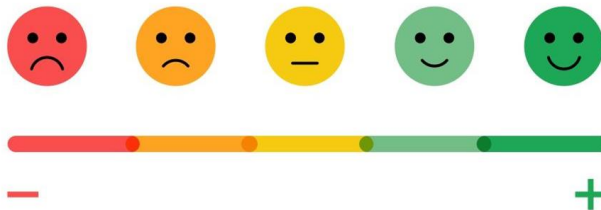


SISTEMA BIBLIOTECARIO  
DI ATENEEO

<http://www.cab.unipd.it/corsi-sba-questionario>

Username: **25672**

Password:



The collected information will be used only for statistical purposes in order to improve the quality of the courses for library users.

We will appreciate your cooperation and help!