

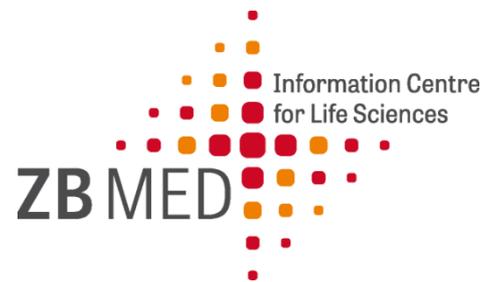


# Benefits of Open Access

*Frankfurt Book Fair 2019, Hall 4.2, Booth E73-E78 (University Publishers)*



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# Open access – the official definition

▶ according to the Budapest Open Access Initiative (BOAI):

*By “open access” to [peer-reviewed research literature], we mean its free availability on the public internet, **permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, should be to give authors control over the integrity of their work and the right to be properly acknowledged and cited.***

# According to the definition, the term “open access“ cannot be applied to

- ▶ freely available publications other than scholarly peer-reviewed publications
  - ▶ original versions of already published material disseminated on platforms such as Academia.edu, ResearchGate or personal webpages etc. (in many cases this is not legal)
  - ▶ publications on SciHub (dissemination is often illegal)
  - ▶ publications that are freely available to the public but authors do not retain their copyright
- ▶ please note: BOAI definition is different from „everyday language“: not everything that is freely accessible can be considered as open access!

# Open access vs. closed access

- ▶ open access = peer reviewed publications are freely accessible on the internet and can be downloaded by everyone
- ▶ closed access = peer reviewed publications are only accessible to members of an institution with a corresponding licence

- ▶ important note: there is no difference regarding:
  - ▶ quality: open access publications provide quality assurance via peer review (exception: predatory journals)
  - ▶ impact: a lot of open access venues appear on journal lists/rankings such as Journal Impact Factor – with an upward trend



# Open access: there is always a route

## green route

- additional electronic deposit of already published literature
- means: institutional or subject specific repositories

## golden route

- immediate publication in open access or hybrid venues

# Golden route to open access

golden  
route

- publication in an open access venue or in a hybrid venue with open access option

advantage:

- article/book etc. is open access upon publication

disadvantage:

- maybe fees are charged for publishing

# Golden route to open access: how to choose a venue?

- ▶ DOAJ: Directory of Open Access Journals: <https://doaj.org/>

The screenshot displays the DOAJ (Directory of Open Access Journals) website interface. At the top, the logo reads "DOAJ DIRECTORY OF OPEN ACCESS JOURNALS" with a "SUPPORT DOAJ" button to the right. A navigation bar below the logo contains links for Home, Search, Browse Subjects, Apply, News, About, For Publishers, and API, along with a Login link on the far right. The main content area features a search bar with a "share | embed" button, a "10" page indicator, and a dropdown menu set to "order by ... relevance". The search results show "1 - 10 of 2.571.109" items. Three results are visible, each with a document icon, a title, author information, journal information, and links for "Abstract" and "Full Text".

**Journal vs Articles**  
Journals (9758)  
Articles (2561351)

**Subject**

**DOAJ Seal**

**Journal license**

**Publisher**

**Full Text language**

share | embed 10 order by ... relevance search all search term

1 - 10 of 2.571.109 →

**Study progresses on continuous curvilinear capsulorhexis**  
*Bo Gao, Mao-Lan Yang, Jiu-Min Yuan*  
*Guoji Yanke Zazhi. 2015;15(10):1737-1740 DOI 10.3980/j.issn.1672-5123.2015.10.16*  
[Abstract](#) | [Full Text](#)

**Importância da vitamina B12 na avaliação clínica do paciente idoso = Importance of vitamin B12 screening in clinical evaluation of elderly patient**  
*Futterleib, Alexandre, Cherubini, Karen*  
*Scientia Medica. 2005;15(1):74-78*  
[Abstract](#) | [Full Text](#)

**Yellow and purple nutsedges survey in the southeastern Buenos Aires Province, Argentina**  
*Eyherabide Juan José, Leaden María Inés, Alonso Sara*  
*Pesquisa Agropecuária Brasileira. 2001;36(1):205-209*  
[Abstract](#) | [Full Text](#)

- ▶ alternative: looking for open access option on the publisher's webpage

# Golden route to open access: how to finance publication fees?

membership model: discount on publication fees

Does the funding organisation cover publication fees?

Is it possible to „re dedicate“ funds?

Does the institution have publication funds?

Is there institutional financing that can be used?

# Golden route to open access: licensing

Icon	Description	Acronym
	Freeing content globally without restrictions	CC0
	Attribution alone	BY
	Attribution + ShareAlike	BY-SA
	Attribution + Noncommercial	BY-NC
	Attribution + Noncommercial + ShareAlike	BY-NC-SA
	Attribution + NoDerivatives	BY-ND
	Attribution + Noncommercial + NoDerivatives	BY-NC-ND

Creative Commons: standardised licensing contracts that state how the publication can be used

several rights can be combined

license must be attached to the document to put it into effect

authors can decide on how their work can be reused

# Green route to open access

## green route

- additional electronic deposit of already published publications
- means: institutional or subject specific repositories

### advantages:

- free of charge
- granted by most of the publishers

### disadvantages:

- parallel publication (may have a negative effect on citation rates)
- usually an embargo period is applied and original version cannot be used

# Green route to open access: how to check the rights?

▶ for conditions issued by the publishers: Sherpa/Romeo: [www.sherpa.ac.uk/romeo/search.php](http://www.sherpa.ac.uk/romeo/search.php)

SHERPA/ROMEEO . . . opening access to research

Home • Search • Journals • Publishers • FAQ • Suggest • About

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### Search - Publisher copyright policies & self-archiving

One journal found when searched for: **lancet**

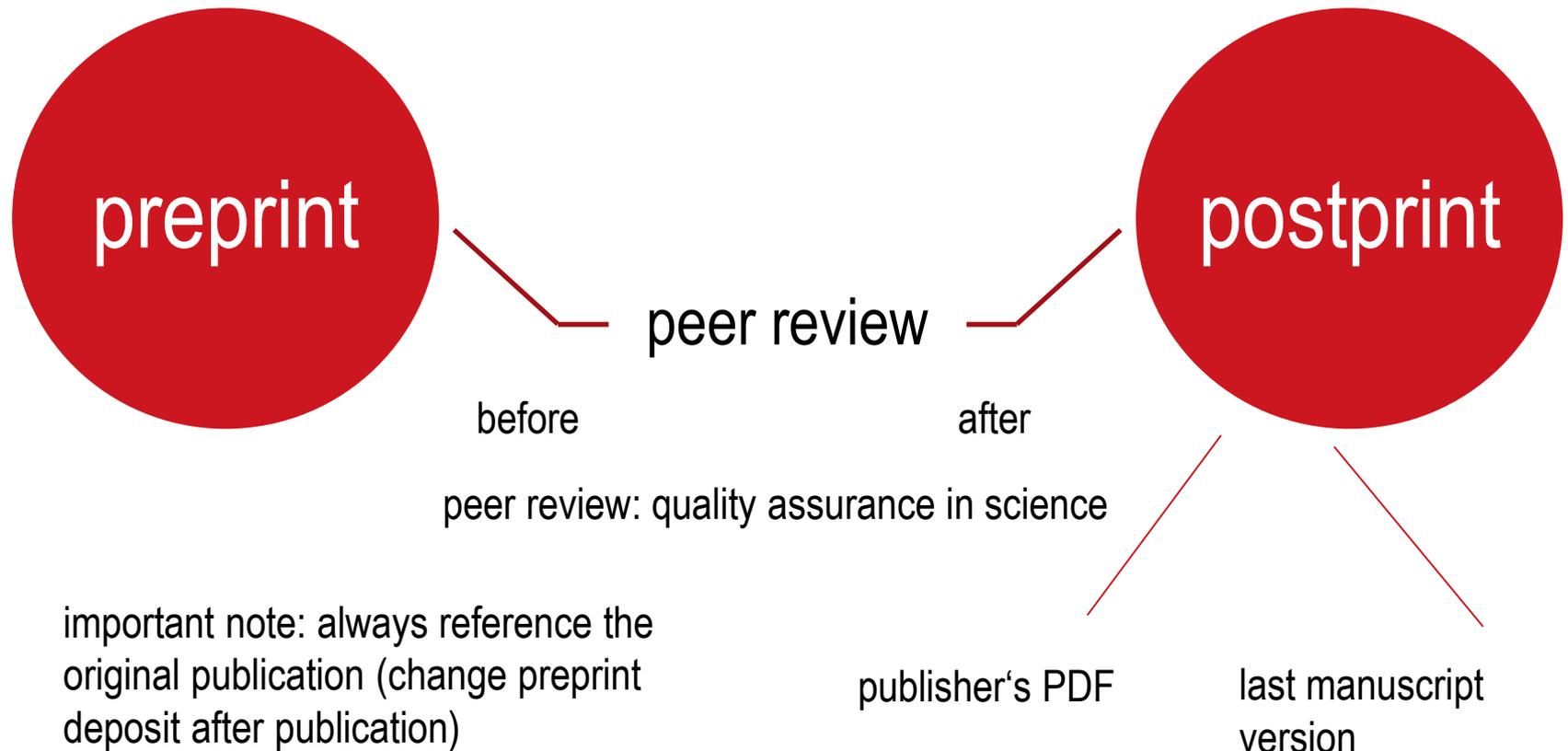
Journal:	<a href="#">Lancet</a> (ISSN: 0140-6736, EISSN: 1474-547X)
RoMEO:	This is a <b>RoMEO green</b> journal
Paid OA:	A paid open access option is <b>available</b> for this journal.
Author's Pre-print:	✓ author <b>can</b> archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author <b>can</b> archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	✗ author <b>cannot</b> archive publisher's version/PDF
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Mandated OA:	(Awaiting information)
Paid Open Access:	<a href="#">Open Access</a>
Notes:	<ul style="list-style-type: none"><li>• Publisher last reviewed on 01/07/2016</li></ul>
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Updated:	06-Mar-2017 - <a href="#">Suggest an update for this record</a>
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Published by:	<a href="#">Elsevier: Lancet</a> - <a href="#">Green Policies in RoMEO</a>

This summary is for the journal's *default* policies, and changes or exceptions can often be negotiated by authors. All information is correct to the best of our knowledge but should not be relied upon for legal advice.

contains information on which version of the publication can be used and how long the embargo period is

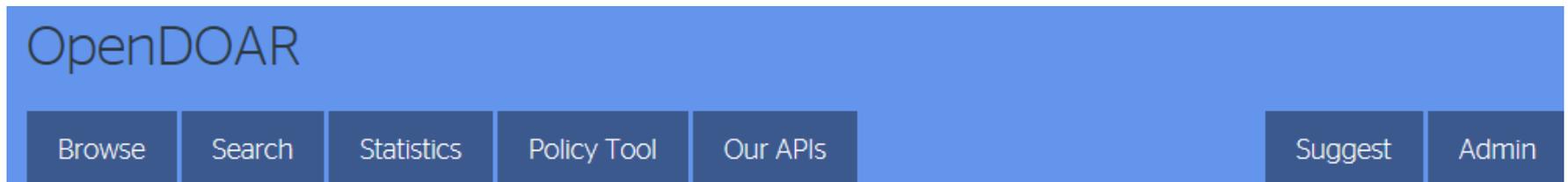
more binding: webpage of the journal/publisher and publishing contract

# Green route to open access: how to check the rights?



# Green route to open access: how to find a suitable repository?

- ▶ depending on the context, subject specific or institutional repositories are more suitable
- ▶ OpenDOAR: Directory of Open Access Repositories:  
<http://v2.opendoar.sherpa.ac.uk/>



Directory of Open Access Repositories

OpenDOAR is a global directory of Open Access repositories and their policies.

Search for a repository

Search

# Summing up the advantages of open access

## for authors

visibility of scientific results is enhanced

research process is accelerated

scientific exchange and co-operation is improved

## for readers

access to scientific literature worldwide is facilitated

re-usage of literature is improved

# Citation Advantage

Table 1 Research impact of paywalled (not OA) versus open access (OA) papers

Field	Paper (n)	Reference (n)	not OA (arc)	OA (arc)	gold (arc)	green (arc)
<b>TOTAL</b>	<b>3,350,910</b>	<b>34,865,430</b>	<b>0.81</b>	<b>1.23</b>	<b>1.06</b>	<b>1.28</b>
Agriculture, Fisheries & Forestry	138,025	804,386	0.85	1.18	0.73	1.35
Biology	151,424	1,882,514	0.74	1.17	1.33	1.18
Biomedical Research	291,325	5,581,332	0.80	1.14	1.16	1.09
Built Environment & Design	16,648	84,825	0.83	1.28	0.79	1.35
Chemistry	317,930	2,432,155	0.90	1.24	0.65	1.34
Clinical Medicine	823,924	9,323,440	0.81	1.28	1.25	1.28
Communication & Textual Studies	28,178	37,152	0.78	1.93	0.81	2.16
Earth & Environmental Sciences	117,429	1,332,707	0.82	1.16	0.82	1.20
Economics & Business	66,037	607,155	0.65	1.25	0.67	1.27
Enabling & Strategic Technologies	250,651	2,404,079	0.89	1.18	0.79	1.30
Engineering	193,856	1,029,715	0.85	1.25	0.86	1.36
General Arts, Humanities & Social Sciences	3,932	11,757	0.65	1.69	0.99	1.65
General Science & Technology	31,793	1,906,904	0.93	1.10	0.84	1.20
Historical Studies	25,468	50,016	0.80	1.58	0.68	1.91
Information & Communication Technologies	97,786	582,010	0.72	1.23	0.98	1.27
Mathematics & Statistics	107,426	558,567	0.78	1.14	1.12	1.22
Philosophy & Theology	17,117	28,107	0.70	1.74	0.76	1.98
Physics & Astronomy	424,091	3,954,894	0.75	1.27	0.92	1.34
Psychology & Cognitive Sciences	70,022	1,026,674	0.69	1.23	1.15	1.19
Public Health & Health Services	85,703	804,085	0.83	1.17	1.00	1.23
Social Sciences	86,513	421,516	0.69	1.49	0.89	1.63
Visual & Performing Arts	5,632	1,440	0.83	2.19	1.17	2.69

Éric Archambault, Grégoire Côté, Brooke Struck and Matthieu Voorons: Research impact of paywalled versus open access papers: <https://www.1science.com/wp-content/uploads/2019/06/oaNumber-1-Research-impact-of-strictly-paywalled-versus-open-access-papers.pdf>

Source: Computed by Science-Metrix and 1science using oAIndx and the Web of Science

# Summary: areas benefiting from open access



Credits:  
<http://dx.doi.org/10.5281/zenodo.33178>

# Thank you very much for your attention!

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