



Open access publishing and open science – what is the role of medical libraries?

EAHIL Workshop, Cardiff, July 12th 2018

Agenda

- ▶ Brief introduction to open access and open science
- ▶ Open access services at ZB MED
- ▶ Discussion
- ▶ Backup slides: Sources of information or how to keep up to date?

Open access – the official definition

▶ According to the Budapest Open Access Definition:

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.**

Open access Gold and Green: advantages/ disadvantages

OA Gold

- Publication in an open access journal or in journals with an open access option (hybrid)
- Publication process is financed by publication fees (article processing charges – APCs)

advantages (A)/
disadvantages (D):

- article is accessible upon publication (A)
- publication costs (D)

OA Green

- Electronic self-archiving of already published articles
- Publication via an institutional or subject specific repository

advantages (A)/ disadvantages (D):

- parallel publication (with effects on citation rate) (D)
- embargo periods (D)
- free of charge (A)
- publishers usually give their consent (A)

Open access Gold and Green: issues

OA Gold

- Publication in an open access journal or in journals with an open access option (hybrid)
- Publication process is financed by publication fees (article processing charges – APCs)

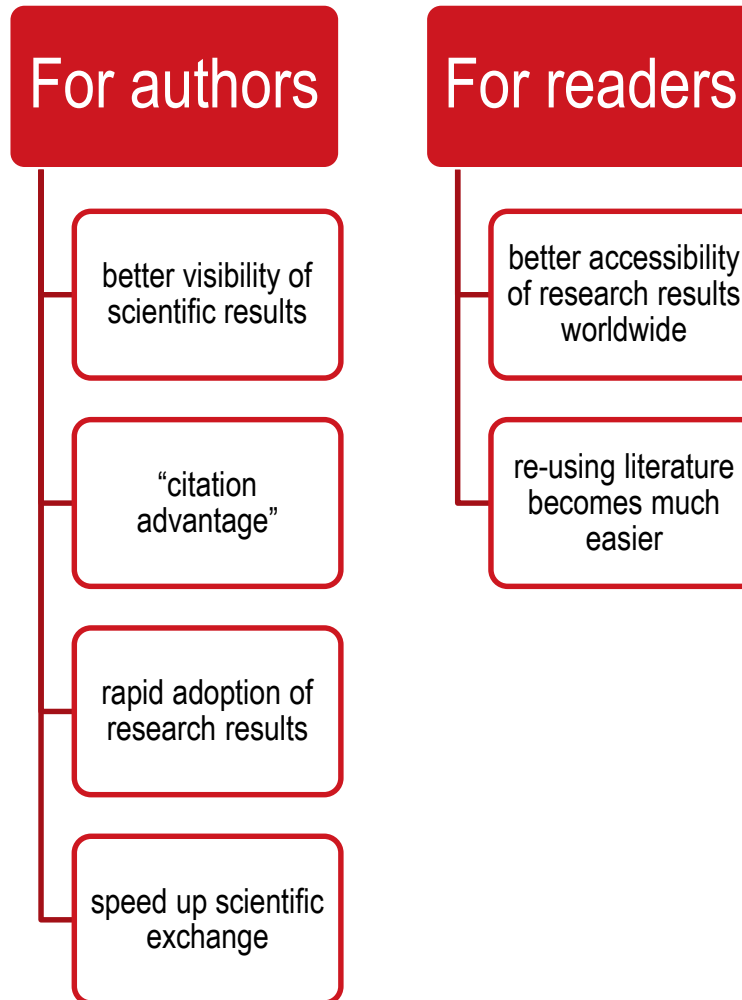
- pure open access vs. hybrid journals
- selection of appropriate journals
- predatory journals
- licencing
- financing of APCs
- Journal Impact Factor

OA Green

- Electronic self-archiving of already published articles
- Publication via an institutional or subject specific repository

- deposit rights
- embargo periods
- preprints/ postprints: manuscript vs. publisher's PDF
- selecting a suitable repository

Why OA?: advantages of open access



Why OA?: „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)
TOTAL	3,350,910	34,865,430	0.81	1.23	1.06	1.28
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

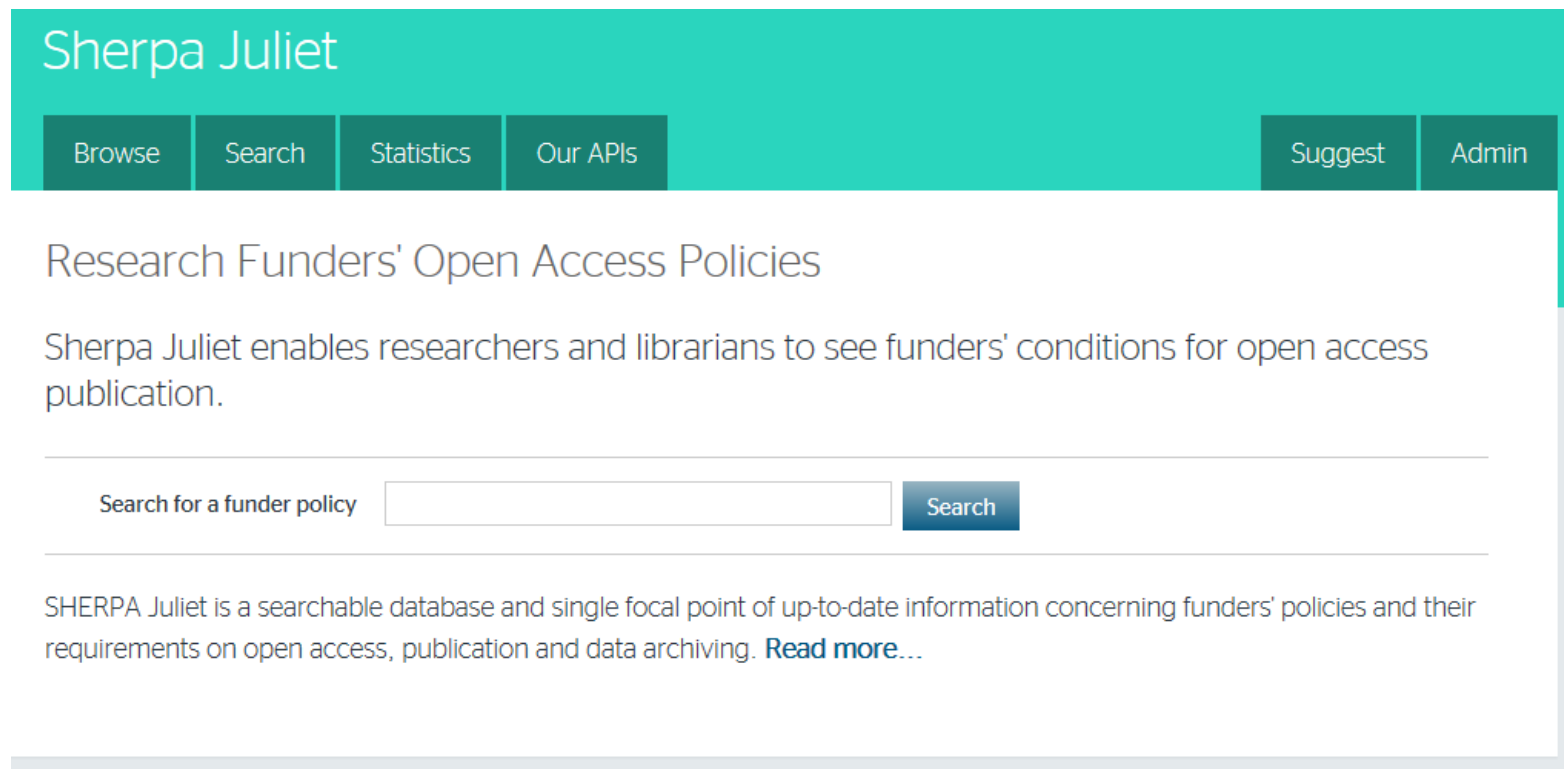
Source: Computed by Science-Metrix and 1science using oalndx and the Web of Science

- data: 3.3 Mill. articles from Web of Science
- 2007-2009
- field normalised citation rate; > 1 = citation rate is above field average

Éric Archambault, Grégoire Côté, Brooke Struck and Matthieu Voorons: Research impact of paywalled versus open access papers: <https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1028&context=scholarom> (last access: June 25th, 2018)

Why OA?: mandates/ policies of funders

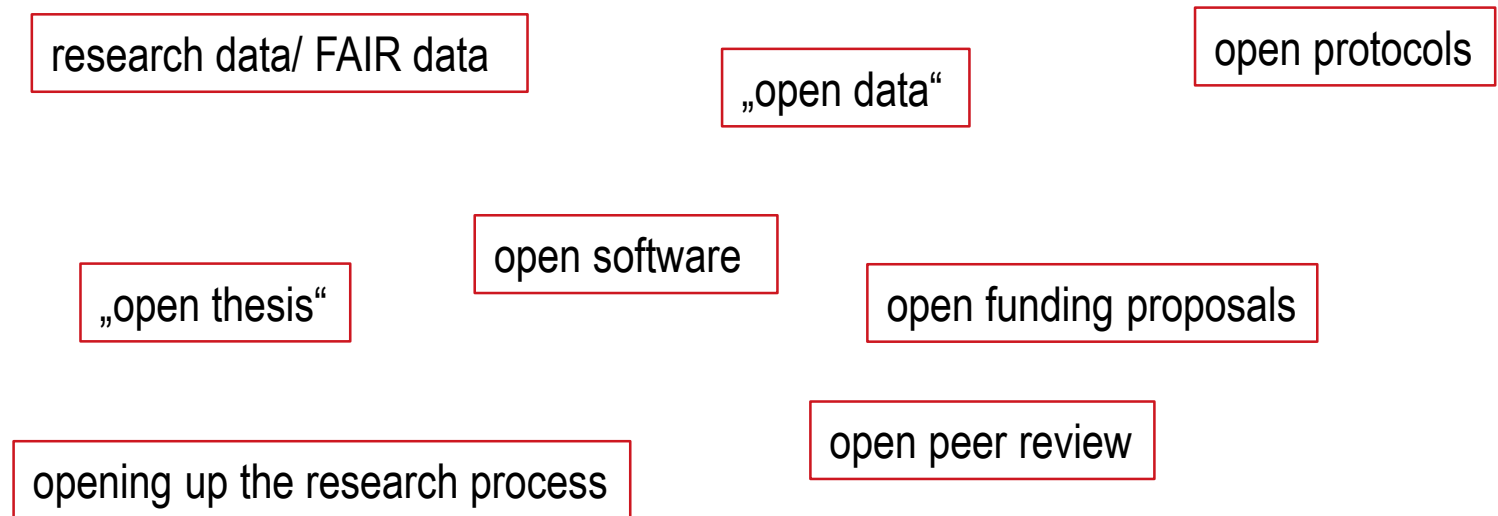
► SHERPA/JULIET: <http://www.sherpa.ac.uk/juliet/index.php>



The screenshot shows the Sherpa Juliet website. At the top is a teal header with the text "Sherpa Juliet" on the left and a navigation bar on the right containing links: "Browse", "Search", "Statistics", "Our APIs", "Suggest", and "Admin". Below the header, the main content area has the title "Research Funders' Open Access Policies". Underneath this title is a paragraph: "Sherpa Juliet enables researchers and librarians to see funders' conditions for open access publication." Below the paragraph is a search bar with the placeholder text "Search for a funder policy", an input field, and a blue "Search" button. At the bottom of the main content area, there is another paragraph: "SHERPA Juliet is a searchable database and single focal point of up-to-date information concerning funders' policies and their requirements on open access, publication and data archiving. [Read more...](#)"

Beyond open access: science 2.0 or open science

- ▶ Enlarge the idea of open access to the whole research cycle: e.g.



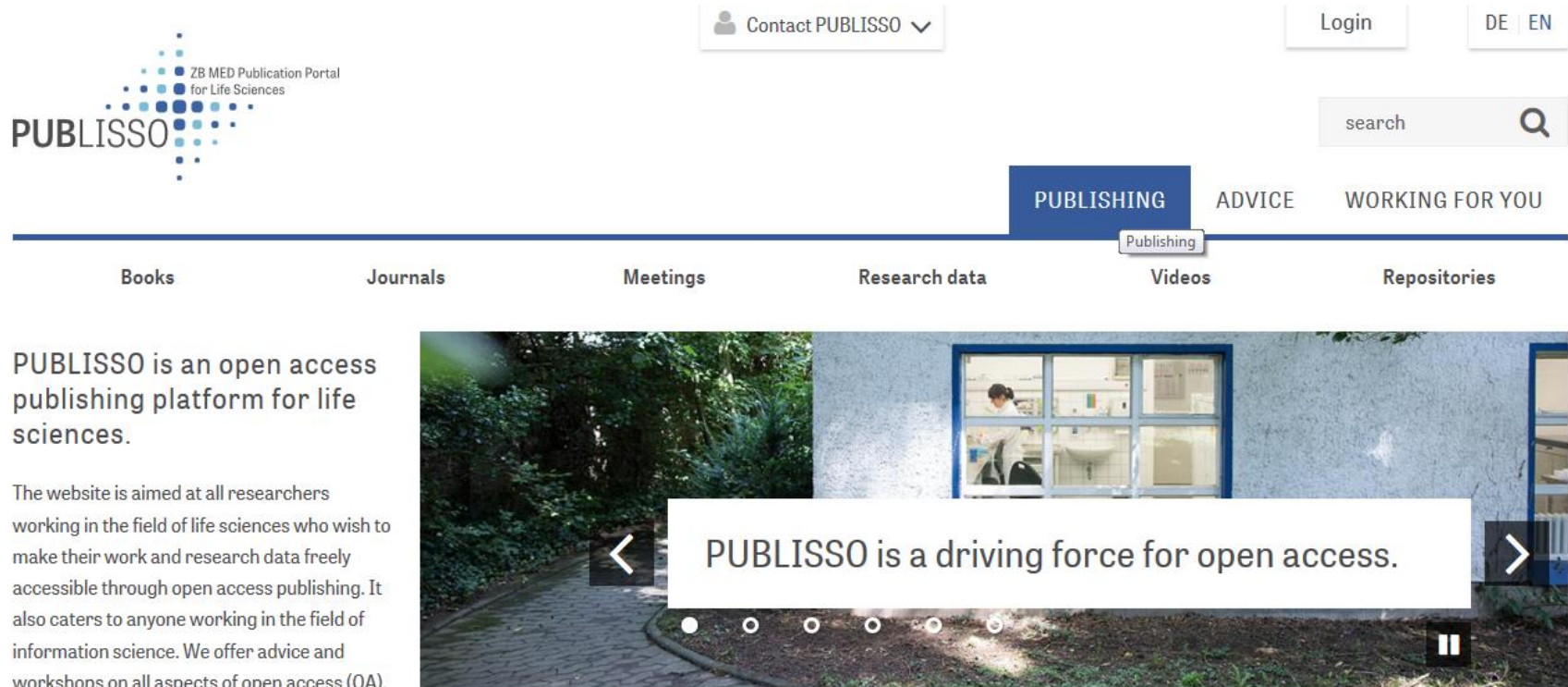
- ▶ strong push by European Commission (e.g. in initiatives such as the European Open Science Cloud)

ZB MED – Information Centre for the Life Sciences

- ▶ German national library of medicine, health care, nutritional, environmental and agricultural sciences
- ▶ Service centre for research in the life sciences
 - advisory services
 - publication services
 - research support
 - application-oriented research
- ▶ publication portal PUBLISSO
- ▶ search portal LIVIVO



Services for open access by ZB MED



The screenshot shows the PUBLISSO website homepage. At the top left is the PUBLISSO logo, which includes a grid of blue dots and the text "PUBLISSO" and "ZB MED Publication Portal for Life Sciences". To the right of the logo are navigation links: "Contact PUBLISSO" with a dropdown arrow, "Login", and language options "DE" and "EN". Below these is a search bar with the word "search" and a magnifying glass icon. A horizontal menu bar contains the following items: "PUBLISHING" (highlighted in blue), "ADVICE", and "WORKING FOR YOU". Below this menu bar is a secondary navigation bar with the following categories: "Books", "Journals", "Meetings", "Research data", "Videos" (highlighted with a "Publishing" sub-label), and "Repositories". On the left side of the page, there is a text block stating: "PUBLISSO is an open access publishing platform for life sciences. The website is aimed at all researchers working in the field of life sciences who wish to make their work and research data freely accessible through open access publishing. It also caters to anyone working in the field of information science. We offer advice and workshops on all aspects of open access (OA)." To the right of this text is a large image of a laboratory window with a person working inside. Overlaid on this image is a white text box that reads: "PUBLISSO is a driving force for open access." Below this text box is a row of six small circles, with the first one being filled. To the right of the circles is a pause button icon.

PUBLISSO is an open access publishing platform for life sciences.

The website is aimed at all researchers working in the field of life sciences who wish to make their work and research data freely accessible through open access publishing. It also caters to anyone working in the field of information science. We offer advice and workshops on all aspects of open access (OA).

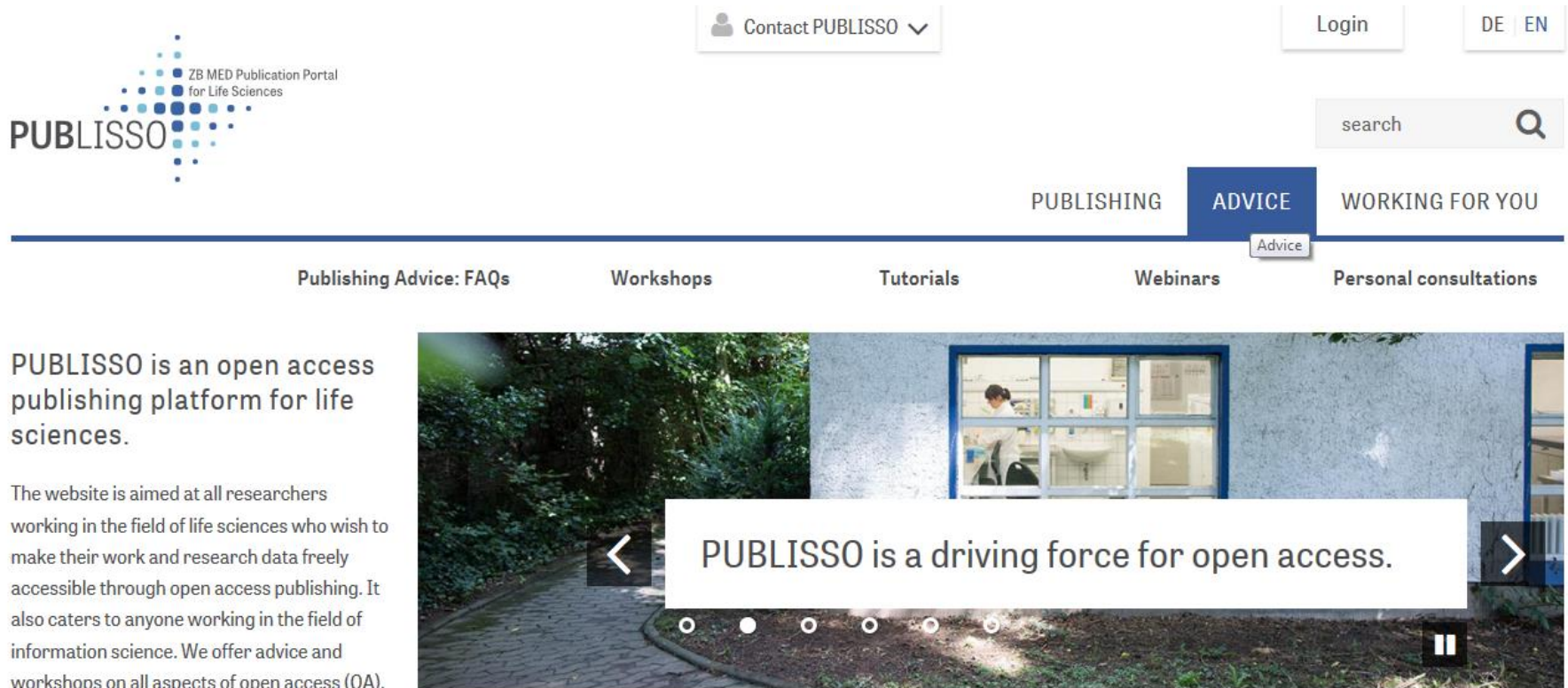
PUBLISSO is a driving force for open access.

<https://www.publisso.de/en>

Services for the gold and green route to open access and for the publication of research data

Services for open access by ZB MED

► Advisory services



The screenshot displays the PUBLISSO website interface. At the top left is the PUBLISSO logo, which includes the text 'ZB MED Publication Portal for Life Sciences'. To the right of the logo are navigation links: 'Contact PUBLISSO' with a dropdown arrow, 'Login', and language options 'DE' and 'EN'. A search bar with the placeholder 'search' and a magnifying glass icon is also present. Below these elements is a main navigation bar with three tabs: 'PUBLISHING', 'ADVICE' (which is highlighted in blue), and 'WORKING FOR YOU'. Under the 'ADVICE' tab, a sub-menu is visible with the following items: 'Publishing Advice: FAQs', 'Workshops', 'Tutorials', 'Webinars', and 'Personal consultations'. The 'Advice' sub-menu item is also highlighted. Below the navigation bar, there is a large banner image showing a person working in a laboratory. Overlaid on this image is a white text box that reads 'PUBLISSO is a driving force for open access.' The banner also features navigation arrows and a series of small circles at the bottom.

PUBLISSO is an open access publishing platform for life sciences.

The website is aimed at all researchers working in the field of life sciences who wish to make their work and research data freely accessible through open access publishing. It also caters to anyone working in the field of information science. We offer advice and workshops on all aspects of open access (OA).

PUBLISSO is a driving force for open access.

<https://www.publisso.de/en>

Discussion

- ▶ Which services with regard to open access and open science does your institution already offer or are you planning to offer?



Discussion

- ▶ Which issues and questions related to open access do you encounter?



Discussion

- ▶ Which tools can either be used for personal information or for providing advice to researchers and other customers?



For further information, please get in touch

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Backup: Sources of information or how to keep up to date?

Backup: Sources of information or how to keep up to date?

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

DOAJ DIRECTORY OF OPEN ACCESS JOURNALS

SUPPORT DOAJ

Home Search Browse Subjects Apply News About For Publishers API

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

1 – 10 of 3.159.270 →

– Journals vs Articles
Journals (11678)
Articles (3147592)

+ Subject

+ DOAJ Seal

+ Journal license

+ Publisher

+ Full Text language

Study progresses on continuous curvilinear capsulorhexis
Bo Gao, Mao-Lan Yang, Jiu-Min Yuan
Gujji 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: searching the journal's website for OA options

Backup: Sources of information or how to keep up to date?

► Quality Open Access Market – www.qoam.eu

Home About Journals My QOAM QOAMcorners Profiles Institutions Contact Log in Register


Filter 

Search by journal title

Search by ISSN

Search by publisher


Search by discipline

SWOT matrix 

Strong journals	Threat (to authors)
Opportunity (to publishers)	Weaker journals

Search

26124 OA and hybrid journals; *institutional discounts* [Sort ▼](#)

Title 	Publisher	SWOT color	Base score	Valuation score
Sustainability	MDPI	S	3,8	4,3
Sensors	MDPI	S	3,6	4,2
Frontiers in Psychology	Frontiers Media	S	3,6	4,0
International Journal of Molecular Sciences	MDPI	S	3,2	4,2
Materials	MDPI	S	3,6	4,2
Molecules	MDPI	S	3,2	4,2
Energies	MDPI	S	3,4	4,3
PLoS ONE	plos	S	4,0	4,3
Water	MDPI	S	3,4	4,5
Remote Sensing	MDPI	S	3,3	4,2
Entropy	MDPI	S	3,6	4,2
Frontiers in Microbiology	Frontiers Media	S	3,4	4,3
PeerJ	peerj	S	3,6	4,7
Hydrology and Earth System Sciences	Copernicus Publications	S	3,5	4,6

Backup: Sources of information or how to keep up to date?

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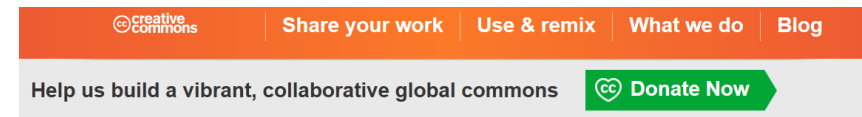
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Backup: Sources of information or how to keep up to date?

► Sherpa/Romeo: www.sherpa.ac.uk/romeo/search.php

 SHERPA/ROMEO

... opening access to research

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

Search - Publisher copyright policies & self-archiving

English | [Español](#) | [Magyar](#) | [Nederlands](#) | [Português](#)

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

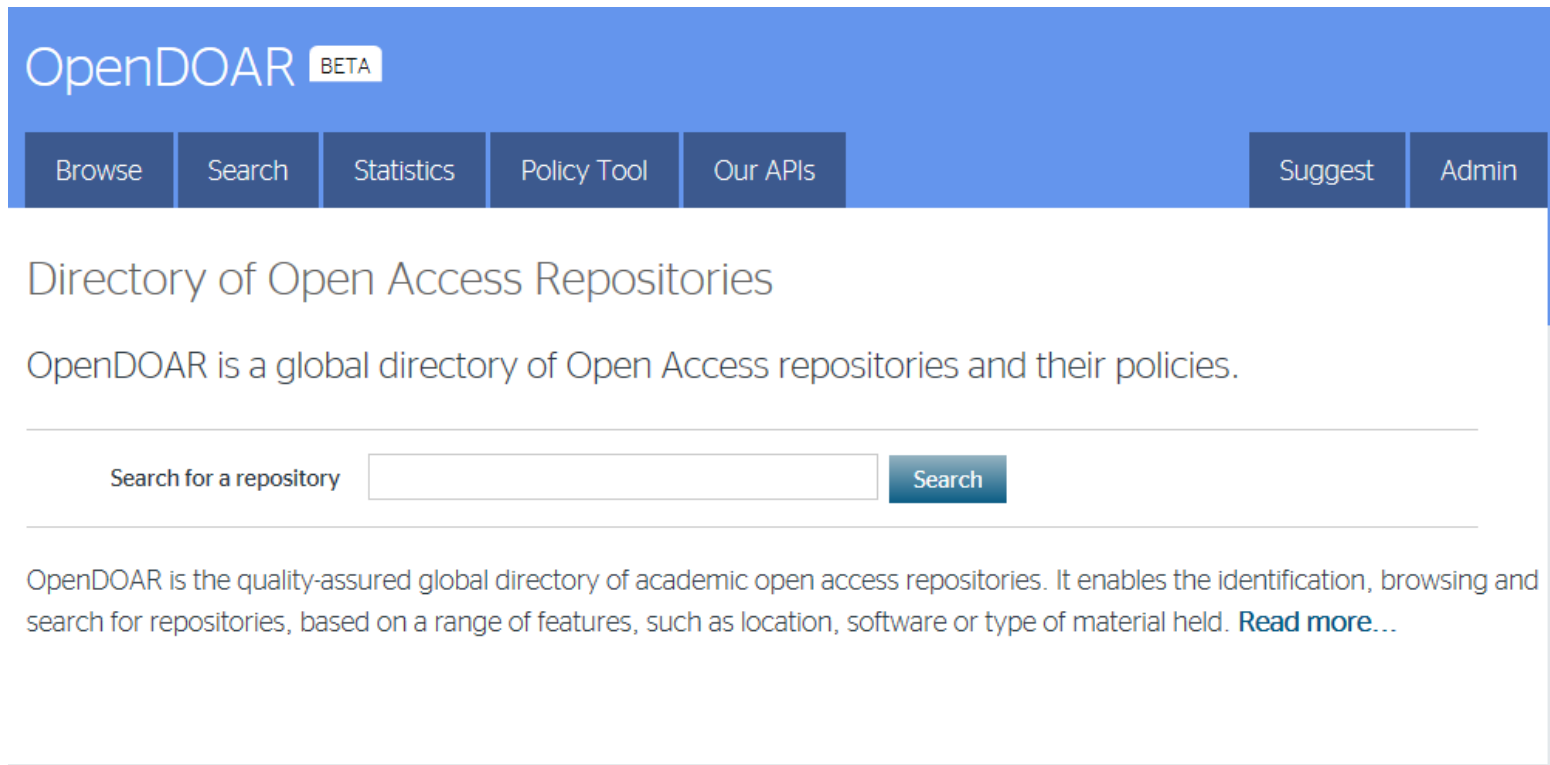
Journal:	Lancet (ISSN: 0140-6736, EISSN: 1474-547X)
RoMEO:	This is a RoMEO green journal
Paid OA:	A paid open access option is available for this journal.
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author can archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	✗ author cannot archive publisher's version/PDF
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Paid Open Access:	Open Access
Notes:	<ul style="list-style-type: none">• Publisher last reviewed on 01/07/2016
Copyright:	Guidelines for Authors (pdf) - Disclosure of results before publication - The Lancet journals welcome a new open access policy - What happens after publication? - Journal Embargo Period List (pdf) - Journal Embargo List for UK Authors (pdf)
Updated:	06-Mar-2017 - Suggest an update for this record
Link to this page:	http://www.sherpa.ac.uk/romeo/issn/0140-6736/
Published by:	Elsevier : Lancet - Green Policies in RoMEO

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All information is correct to the best of our knowledge but should not be relied upon for legal advice.

Legally binding: webpage of the journal or author's contract

Backup: Sources of information or how to keep up to date?

- ▶ OpenDOAR: Directory of Open Access Repositories:
<http://v2.opendoar.sherpa.ac.uk/>



The screenshot shows the OpenDOAR website interface. At the top, there is a blue header with the text "OpenDOAR" and a "BETA" badge. Below the header is a navigation bar with buttons for "Browse", "Search", "Statistics", "Policy Tool", "Our APIs", "Suggest", and "Admin". The main content area has the title "Directory of Open Access Repositories" and a subtitle "OpenDOAR is a global directory of Open Access repositories and their policies." Below this is a search bar with the placeholder text "Search for a repository" and a "Search" button. At the bottom, there is a paragraph of text describing OpenDOAR as a quality-assured global directory of academic open access repositories, with a link to "Read more..."

OpenDOAR BETA

Browse Search Statistics Policy Tool Our APIs Suggest Admin

Directory of Open Access Repositories

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

Search for a repository

OpenDOAR is the quality-assured global directory of academic open access repositories. It enables the identification, browsing and search for repositories, based on a range of features, such as location, software or type of material held. [Read more...](#)

Backup: Sources of information or how to keep up to date?

The screenshot shows the ANDS website interface. At the top, there is a navigation bar with links for 'About ANDS', 'Events', and 'Contact Us'. Below this is a search bar labeled 'Search for Research Data' and 'Search the AN...'. The main navigation menu includes 'Home', 'About us', 'News and Events', 'Partners and Communities' (which is highlighted), 'Working with data', and 'Online Services'. The 'Partners and Communities' section is expanded, showing a list of '23 (research data) Things' including 'Celebration', 'FAQs- 23 (research data) Things', 'Re-purpose toolkit', and 'Resources'. A dropdown menu for '10 medical and health Things' is visible, listing five items: 'Medical & health Thing 1 Getting started with research data', 'Medical & health Thing 2 Issues in research data management', 'Medical & health Thing 3 Data sharing and discovery', 'Medical & health Thing 4 Sharing sensitive data', and 'Medical & health Thing 5 What are publishers and funders saying about data?'. To the right of the list, the main content area displays 'ANDS | Partners and Communities | 23 (research data) Things' and '10 medical and health research data Things'. Below this is a social media sharing bar with icons for Facebook, Twitter, LinkedIn, Google+, YouTube, Email, and a '+SHARE' button. At the bottom of the page, there is a large image of a person's hands typing on a laptop, with a caption 'Image: Pixabay (CC0)'.

<http://www.ands.org.au/partners-and-communities/23-research-data-things/10-medical-and-health-things>

Backup: Sources of information or how to keep up to date?



► <http://walt.lishost.org/category/open-access/>

Backup: Sources of information or how to keep up to date?

The screenshot shows the TagTeam Open Access Tracking Project (OATP) website. The header includes the TagTeam logo, navigation links (About, Hubs), and a Sign in button. The main content area displays the title 'Open Access Tracking Project (OATP)' and feed icons for RSS, ATOM, and JSON. A sidebar on the left contains navigation links: Inputs, Bookmarks, Remixes, Tags, Filters, History, About, and Contact, along with a search bar. The main content area shows a list of items, with the first two items visible. Each item includes a title, URL, date, and a set of tags.

TagTeam About Hubs Sign in

Home > Open Access Tracking Project (OATP)

Open Access Tracking Project (OATP) RSS 0 ATOM 0 JSON 0

Items ? 1 2 3 ... 2871 1 - 25 of 71765

Inputs

Bookmarks

Remixes

Tags

Filters

History

About

Contact

Search Go

Research Data: What to keep? - Jisc ⚙️
<https://researchdata.jiscinvolve.org/wp/2018/06/12/research-data-what-to-keep/>
Kirstine's bookmarks 06/25/2018
oa.new oa.data oa.preservation oa.cloud oa.reuse oa.hel oa.policies
oa.mandates oa.policies.data oa.mandates.data oa.recommendations oa.eosc oa.costs
oa.infrastructure

Open Access: Erfolg mit Schattenseiten | Telepolis ⚙️
<https://www.heise.de/tp/features/Open-Access-Erfolg-mit-Schattenseiten-4080065.html>
lkfitz's bookmarks 06/25/2018
oa.new oa.history_of oa.obstacles oa.boai oa.fees oa.journals oa.gold
oa.publishers oa.economics_of oa.repositories oa.green oa.europe oa.german

Massive Bedenken gegen EU-Pläne für eine Urheberrechtsreform (Massive concerns about EU plans for copyright reform) ⚙️
<https://derstandard.at/2000081440418/Massive-Bedenken-gegen-EU-Plaene-fuer-eine-Urheberrechtsreform>
Kirstine's bookmarks 06/25/2018

► <http://tagteam.harvard.edu/hubs/oatp/items>