

Supplementary Table 4: Screening, moderation, and permanence of content

Preprint Server	Stated not peer reviewed on manuscript record webpage (M) / general server webpages (S)	Advisory Board (A) / Includes Researchers (R)	Commitment to FAIR (Findable, Accessible, Interoperable and Reusable) principles / Data availability statement (DAS)	Screening checks performed between submitting and posting (stating where this process involves active researchers)	Permanence of content (P) / Reasons for retraction (R) / Web presence of removed content (W)	Mechanisms to report concerns about posted content	Sustainability of the service (S) / Preservation of content (P)
<b>OSF Communities</b>							
AfricArxiv [1] – Verified	M: No S: Yes	A: Yes R: Yes	Yes, endorses, stated on website  DAS: Not requested or required	'moderated submission check for quality standard, good scientific practices, open science principles', including data/code availability	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS (Centre for Open Science)	S: COS receive external financial support (e.g. grant, individual); operators report no sources of income, staffed on voluntary basis P: COS Preservation Fund to maintain read access for 50+ years
AgriXiv [2] – Verified	M: No S: No	A: Yes R: Yes	Yes  DAS: Unknown	No information	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); operators report Open Access India plans to raise funds P: COS Preservation Fund to maintain read access for 50+ years
Arabixiv [3] – Verified	M: No S: No	A: Yes A: Unknown	Yes  DAS: Unknown	Arabixiv editors check for: ensuring it is academic research	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS; Readers encouraged to post concerns publicly as new article	S: COS receive external financial support (e.g. grant, individual); no further information to report from operators P: COS Preservation Fund to maintain read access for 50+ years
EcoEvoRxiv [4] – Verified	M: No S: Yes	A: Yes R: Yes	Yes  DAS: Unknown	Steering committee member (including active researchers) checks for: competing interests, plagiarism, misconduct or integrity checks, ethical and legal compliance, funder acknowledgment	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); no further information to report from operators P: COS Preservation Fund to maintain read access for 50+ years
FocUS Archive [5] – Verified	M: No S: No	A: Yes R: Yes	Yes  DAS: Unknown	There is a moderation process, no further information known	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+

					on a tombstone page		years
Frenxiv [6] – Verified	M: No S: No	A: Yes R: Yes	Yes  DAS: Unknown	Editorial-advisory members (including active researchers) check for: competing interests, plagiarism, misconduct or integrity checks, authors are genuine, ethical and legal compliance, data availability	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
INA-Rxiv [7] – Verified	M: No S: Yes	A: Yes R: Yes	Yes  DAS: Unknown	Unknown	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); operators endorse users to donate to COS P: COS Preservation Fund to maintain read access for 50+ years
MarXiv [8] – note: no longer on the OSF – Verified	M: No S: Yes	A: Yes R: Yes	Yes  DAS: Unknown	The MarXiv team check for: plagiarism, misconduct or integrity checks, ethical and legal compliance	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); service moving to another host P: COS Preservation Fund to maintain read access for 50+ years
MetaArXiv [9] – Verified	M: No S: No	A: Yes R: Yes	Yes  DAS: Not requested or required	BITSS staff check for: relevance of material, author name matches submitter	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS; Community moderation via commenting	S: COS receive external financial support (e.g. grant, individual); operation supported by BITSS funders and revenue P: COS Preservation Fund to maintain read access for 50+ years
MindRxiv [10] – Verified	M: No S: Yes	A: Yes R: Yes	Yes  DAS: Not requested or required	Science Director at Mind & Life (including active researchers) checks for: relevance of material, ensuring it is academic research	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
NutriXiv [11] – Verified	M: No S: No	A: Unknown R: Unknown	Yes  DAS: Unknown	No information	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
OSF Preprints [12] –	M: No	A: Yes	Yes	OSF staff members run	P: Permanent with some	Email administrator;	S: COS receive external financial

Verified	S: Yes	R: Yes	DAS: Not requested or required	automated checks for spam	removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	helpdesk support from COS	support (e.g. grant, individual) P: COS Preservation Fund to maintain read access for 50+ years
PaleorXiv [13] – Verified	M: No S: Yes	A: Yes R: Yes	Yes DAS: Not requested or required	A moderator from the PaleoRxiv steering committee ( <i>including active researchers</i> ) checks for: plagiarism, relevance of material, ensuring it is academic research	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
PsyArXiv [14] – Verified	M: No S: Yes	A: Yes R: Yes	Yes DAS: Not requested or required	Moderation team checks for: ethical and legal compliance, relevance of material, copyright violations, spam	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
SocArxiv [15] – Verified	M: No S: Yes	A: Yes R: Yes	Yes DAS: Unknown	There is a moderation process, no further information known	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
SportRxiv [16] – Verified	M: No S: Yes	A: Yes R: Yes	Yes DAS: Not requested or required	SportRxiv editors ( <i>including active researchers</i> ) check for: basic scientific standards, authors are genuine, all authors provide permission to post	P: Permanent with some removal options in extraneous circumstances R: W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); operators report membership fees help offset costs P: COS Preservation Fund to maintain read access for 50+ years
Thesis Commons [17] – Verified	M: No S: No	A: Yes R: Yes	Yes DAS: Not requested or required	There is no moderation process beyond that for OSF Preprints (OSF staff check for spam)	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, false or inaccurate content W: Basic information remains on a tombstone page	Email administrator; helpdesk support from COS	S: COS receive external financial support (e.g. grant, individual); nothing to report from operators P: COS Preservation Fund to maintain read access for 50+ years
<b>Open Research Central infrastructure</b>							
AAS Open Research [18] – Verified	M: Yes S: Yes	A: Yes R: Yes	Yes, compliant, stated on website	F1000's in-house editorial team check for: competing interest	P: Permanent with some removal options in	Community moderation via	S: Article processing charges, covered by funding agency for

AMRC Open Research [19] – <i>Verified</i>	M: Yes S: Yes	A: Not yet R: Still finalising advisory board	DAS: Required	declaration, plagiarism, authors are genuine and at least one eligible for platform, authors provide permission to post, ethical and legal compliance, funder acknowledgment, clinical trial registration, data/code availability, minimum reporting standards	extraneous circumstances R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues W: Basic information remains on a tombstone page	commenting	AAS, Gates, HRB, MNI and Wellcome (MNI - limited to one article per lab per year) P: Preprints permanently archived in Portico
Gates Open Research [20] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes					
HRB Open Research [21] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes					
MNI Open Research [22] – <i>Verified</i>	M: Yes S: Yes	A: Not yet R: Not applicable					
Wellcome Open Research [23] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes					
<b>Others</b>							
arXiv [24] – <i>Verified</i>	M: No S: Yes	A: Yes R: Yes	None as yet  DAS: Not requested or required	arXiv moderators ( <i>including active researchers</i> ) check for: plagiarism, misconduct or integrity checks, authors are genuine, ethical and legal compliance, relevance of material	P: Permanent with no removal options (as long as archive exists) R: None W: Not applicable	Social media or direct with authors (except copyright violations or significant issues)	S: External financial support (grants and membership program: libraries, research labs, philanthropy, government funding) P: Persistent access through mirror sites, no external preservation services used as yet
Authorea [25] – <i>Verified</i>	M: No S: Yes	A: No R: Not applicable (no advisory board)	Yes, in process of becoming compliant, without stating on website  DAS: Not requested or required	Submissions are checked for spam	P: Content maybe removed by operator/owner only R: Policy not yet in place W: Not applicable (at this time)	Email administrator	S: Other business model not based on direct preprinting charges or associated journal (acquisition and investment from Atypion, part of Wiley) P: Preprints permanently archived in Portico
bioRxiv [26] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes	None as yet  DAS: Not requested or required	bioRxiv staff and scientific affiliates ( <i>including active researchers</i> ) check for: plagiarism, misconduct or integrity checks, ethical and legal compliance, clinical trial registration, submission is within scope and no danger to human	P: Permanent with withdrawal options and (rare) removal in extraneous circumstances R: Removal: Legal or biohazard reasons; Withdrawal: Plagiarism, false or inaccurate	Email administrator	S: Internal (Cold Spring Harbor Laboratory) and external financial support (multiyear grant funding from Chan Zuckerberg Initiative) P: Preprints permanently archived in Portico

				health	content, ethical and legal issues, co-author(s) did not consent to posting W: Withdrawn articles remain visible; For removed articles, basic information remains on a tombstone page		
Cell Press Sneak Peek [27] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes	Unknown	No information	P: Unknown R: Unknown W: Unknown	Unknown	S: Unknown P: Unknown
ChemRxiv [28]	M: Yes S: Yes	A: Yes R: Yes	Yes, compliant, without stating on website  DAS: Not requested or required	PhD-level chemists ( <i>including active researchers</i> ) check for: competing interests declared, plagiarism, misconduct or integrity checks, authors are genuine, all authors provide permission to post, ethical and legal compliance, funder acknowledgment, external data/code availability	P: Permanent with some removal options in extraneous circumstances R: Contravention of copyright, plagiarism, ethical and legal issues W: Basic information remains on a tombstone page	Email administrator, or contact ethics departments of governing partners	S: Nothing to report from server P: Agreement to dark archive content with TIB (Leibniz Information Centre for Science and Technology University Library)
ChinaXiv [29]	M: No S: No	A: Yes R: Yes	Unknown  DAS: Not requested or required	Project team and scientists ( <i>including active researchers</i> ) check for: plagiarism, misconduct or integrity checks, authors are genuine	P: Permanent with no removal options R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues W: Basic information remains on a tombstone page	None	S: Nothing to report from server P: Long term preservation in local
ESSOAr [30] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes	Yes, without stating on website  DAS: Not requested or required	Editorial board members ( <i>including active researchers</i> ) check for: plagiarism, misconduct or integrity checks, authors are genuine, all authors provide permission to post, submission is scholarly and within scope	P: Permanent with some removal options in extraneous circumstances R: Copyright infringement or other ethical or legal issues the Advisory Board deems critical W: Unknown	Email administrator	S: Internal financial support (investment from Wiley and AGU) P: On roadmap: preprints to be permanently archived in Portico
F1000 Research [31] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes	Yes, compliant, stated on website  DAS: Required	F1000's in-house editorial team check for: competing interest declaration, plagiarism, authors are genuine and at least one eligible for platform, authors provide permission to post, ethical and legal compliance, funder acknowledgment, clinical	P: Permanent with some removal options in extraneous circumstances R: Contravention of copyright, false or inaccurate content, ethical and legal issues W: Basic information remains on a tombstone page	Email administrator	S: Nothing to report from server P: Preprints permanently archived in Portico

				trial registration, data/code availability, minimum reporting standards, relevance of material			
JMIR Preprints [32]	M: No S: Yes	A: Unknown R: Unknown	Unknown	Unknown	P: Unknown R: Unknown W: Unknown	Unknown	S: Unknown P: Unknown
medRxiv [33] – <i>Verified</i>	M: Yes S: Yes	A: In formation (January 2020) R: Yes	None as yet DAS: Required	Submission is checked for: competing interests declared, plagiarism, misconduct or integrity checks, minimal reporting standards, ethical and legal compliance, clinical trial registration, funder acknowledgment, submission is within scope and no danger to human health	P: Permanent with withdrawal options and (rare) removal in extraneous circumstances R: Removal: Legal or biohazard reasons; Withdrawal: Plagiarism, false or inaccurate content, ethical and legal issues, co-author(s) did not consent to posting W: Withdrawn articles remain visible; For removed articles, basic information remains on a tombstone page	Unknown	S: Supported by CSHL P: Preprints permanently archived in Portico
MitoFit Preprint Archives [34]	M: Yes S: Yes	A: Yes R: Yes	Yes, endorses, stated on website DAS: Encouraged	Scientific Advisory Board members ( <i>including active researchers</i> ) check for: competing interests declared, misconduct or integrity checks, authors are genuine, funder acknowledgment	P: Permanent with some removal options in extraneous circumstances R: Plagiarism, ethical and legal issues, no appropriate declaration of conflicts of interest W: Basic information remains on a tombstone page	Community moderation via commenting	S: Other business model not based on direct preprinting charges or associated journal (maintained by MitoFit DOI Data Center) P: Backup kept in secondary server
NeuroImage: Clinical - <i>First Look</i> [35] – <i>Verified</i>	M: Yes S: Yes	A: Unknown R: Unknown	Unknown	No information	P: Unknown R: Unknown W: Unknown	Unknown	S: Unknown P: Unknown
PeerJ Preprints [36] – <i>Verified</i>	M: Yes S: Yes	A: Yes R: Yes	None DAS: Encouraged	PeerJ staff check for: competing interests declared, misconduct or integrity checks, ethical and legal compliance, funder acknowledgment	P: Permanent with some removal options in extraneous circumstances R: False or inaccurate content, additional reasons not stated W: Basic information remains on a tombstone page	Email administrator	S: Supported by associated journal publishing (PeerJ) P: Preprints permanently archived in Portico and EuropePMC
Preprints with The Lancet [37] – <i>Verified</i>	M: Yes S: Yes	A: Unknown R: Unknown	Unknown	SSRN staff and a Lancet editor check for: competing interests	P: Unknown R: Unknown	Unknown	S: Unknown P: Unknown

				declared, ethical and legal compliance, funder acknowledgment, clinical trial registration, relevance of material	W: Unknown		
Preprints.org [38]	M: Yes S: Yes	A: Yes R: Yes	None as yet  DAS: Encouraged	Preprints staff and advisory board members ( <i>including active researchers</i> ) check for: plagiarism (as needed), authors are genuine, ethical and legal compliance, basic scientific content, data/code availability	P: Permanent with some removal options in extraneous circumstances R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues, misconduct W: Basic information remains on a tombstone page if DOI has been issued, otherwise no web presence retained	Email administrator	S: Supported by associated journal publishing (MDPI) P: Currently no long-term preservation strategy
Research Square [39] – <i>Verified</i>	M: Yes S: Yes	A: Not yet R: Not applicable	None as yet  DAS: Not requested or required	In-house editorial team checks for: competing interests declared, plagiarism (only for submissions to BMC journals), ethical and legal compliance, funder acknowledgment, clinical trial registration, relevance of material, basic scientific content, language, potential for harm	P: Permanent with some removal options in extraneous circumstances R: Contravention of copyright, ethical and legal issues W: Basic information remains on a tombstone page	Email administrator	S: Other business model not based on direct preprinting charges or associated journal publishing (publishing services by Research Square) P: Preprints permanently archived in Portico
SciELO Preprints [40] – <i>Verified</i>	M: No S: No	A: Yes R: Yes	Yes, endorses, without stating on website  DAS: Not requested or required	SciELO editors ( <i>including active researchers</i> ) will check for: competing interests declared, plagiarism, misconduct and integrity checks, ethical and legal compliance, authors are genuine, all authors provide permission to post, clinical trial registration, funder acknowledgment, data/code availability	P: Permanent with some removal options in extraneous circumstances R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues W: No web presence retained	Email administrator	S: Internal financial support (SciELO program) P: Plan to use LOCKSS-compatible preservation strategy [once full operation launched]
SSRN [41] – <i>Verified</i>	M: No S: No	A: Yes R: Yes	Unknown	SSRN staff check for relevance of material	P: Content maybe removed by author (or operator/owner) R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues W: Unknown	Email administrator	S: Unknown P: Unknown
Surgery Open Science	M: No	A: Unknown	Unknown	Unknown	P: Unknown	Unknown	S: Unknown

- First Look [42] – Verified	S: No	R: Unknown			R: Unknown W: Unknown		P: Unknown
Therapoid [43] – Verified	M: No S: No	A: Yes R: Yes	None as yet  DAS: Not requested or required	There is no pre-moderation of submissions; any checks are performed by site users (including active researchers) after posting	P: Permanent with some removal options in extraneous circumstances R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues W: No web presence retained	Not yet in place: expect community moderation via forum	S: Unknown P: All content is preserved – no further information reported by server
ViXra [44]	M: Yes S: Yes	A: Yes R: Yes	Mostly compliant, without endorsing, without stating on website  DAS: Not requested or required	Administrators do not perform formal screening checks but reject submissions in response to issues relating to: plagiarism, misconduct and integrity checks, ethical and legal compliance, format (PDF)	P: Content maybe removed by author (or operator/owner) R: Contravention of copyright, plagiarism, false or inaccurate content, ethical and legal issues W: No web presence retained	Email administrator	S: Sustainable low-cost web hosting service secured, previously run on donations P: Long-term archiving provided by mirror site and cloud storage of database

## Preprint platform websites

1. AfricArxiv <https://info.africarxiv.org/>
2. AgriXiv <https://agrixiv.org>
3. Arabixiv <https://arabixiv.org/>
4. EcoEvoRxiv <https://ecoevorxiv.org>
5. FocUS Archive <https://osf.io/preprints/focusarchive/>
6. Frenxiv <https://frenxiv.org>
7. INA-Rxiv <https://osf.io/preprints/inarxiv>
8. MarXiv <https://marxiv.org>
9. MetaArXiv <https://osf.io/preprints/metaarxiv/>
10. MindRxiv <https://mindrxiv.org>
11. NutriXiv <https://osf.io/preprints/nutrixiv>
12. OSF Preprints <https://osf.io/preprints/>
13. PaleorXiv <https://paleorxiv.org>
14. PsyArXiv <https://psyarxiv.com>
15. SocArXiv <https://osf.io/preprints/socarxiv>
16. SportRxiv <https://osf.io/preprints/sportrxiv>
17. Thesis Commons <https://thesiscommons.org>
18. AAS Open Research <https://aasopenresearch.org/>
19. AMRC Open Research <https://amrcopenresearch.org/>
20. Gates Open Research <https://gatesopenresearch.org/>
21. HRB Open Research <https://hrbopenresearch.org/>
22. MNI Open Research <https://mniopenresearch.org/>
23. Wellcome Open Research <https://wellcomeopenresearch.org/>
24. arXiv <https://arxiv.org>
25. Authorea <https://www.authorea.com>
26. bioRxiv <https://www.biorxiv.org/>
27. Cell Press Sneak Peek [https://papers.ssrn.com/sol3/JelJOUR\\_results.cfm?form\\_name=journalBrowse&journal\\_id=3184889](https://papers.ssrn.com/sol3/JelJOUR_results.cfm?form_name=journalBrowse&journal_id=3184889)
28. ChemRxiv <https://chemrxiv.org>
29. ChinaXiv <http://chinaxiv.org>
30. ESSOAr <https://www.essoar.org>
31. F1000 Research <https://www.essoar.org>
32. JMIR Preprints <https://preprints.jmir.org/>
33. medRxiv <https://www.medrxiv.org>
34. MitoFit Preprint Archives [https://www.mitofit.org/index.php/MitoFit\\_Preprint\\_Archives](https://www.mitofit.org/index.php/MitoFit_Preprint_Archives)
35. NeuroImage: Clinical – First Look [https://papers.ssrn.com/sol3/JELJOUR\\_Results.cfm?form\\_name=journalBrowse&journal\\_id=3178959](https://papers.ssrn.com/sol3/JELJOUR_Results.cfm?form_name=journalBrowse&journal_id=3178959)
36. PeerJ Preprints <https://peerj.com/preprints/>
37. Preprints with The Lancet [https://papers.ssrn.com/sol3/JELJOUR\\_Results.cfm?form\\_name=journalBrowse&journal\\_id=3184962](https://papers.ssrn.com/sol3/JELJOUR_Results.cfm?form_name=journalBrowse&journal_id=3184962)
38. Preprints.org <https://www.preprints.org/>
39. Research Square <https://www.researchsquare.com>
40. SciELO Preprints <https://preprints.scielo.org/index.php/scielo>
41. SSRN <https://www.ssrn.com>
42. Surgery Open Science – First Look [https://papers.ssrn.com/sol3/JelJOUR\\_results.cfm?form\\_name=journalBrowse&journal\\_id=3303309](https://papers.ssrn.com/sol3/JelJOUR_results.cfm?form_name=journalBrowse&journal_id=3303309)
43. Therapoid <https://therapoid.net>
44. ViXra <http://vixra.org>