

Revues publient des *Data papers*

Laurence Dedieu, 16 octobre 2019

Vous souhaitez mettre à disposition de la communauté scientifique des jeux de données ayant un potentiel de réutilisation. Pour cela, vous pouvez publier un *Data paper*.

➤ **Publier un Data paper pour valoriser des données de recherche**

Le *Data paper* est un article scientifique qui met en valeur des données de recherche. Il décrit les données, les méthodes d'obtention et leur potentiel pour de futures recherches. Il donne accès aux données soit directement dans le *Data paper*, soit par un lien vers l'[entrepôt de données](#) où sont déposés les jeux de données. (<http://intranet-data.cirad.fr/deposer-et-publier/publier-un-data-paper> ; <http://coop-ist.cirad.fr/aide-a-la-publication/rediger/data-paper/1-qu-est-ce-qu-un-data-paper>).

➤ **Choisir une revue pour publier un Data paper**

Ce document présente une sélection de revues scientifiques, dans les thèmes de recherche du Cirad, permettant de publier des jeux de données.

La liste comprend des *Data journals* et des revues classiques qui publient divers types d'articles dont un type d'article permettant de publier une database ou des jeux de données. La liste présente les revues par domaine, avec quelques informations, liens utiles et exemples de *Data papers* quand ils sont disponibles. Les *Data papers* sont, pour la plupart, publiés en accès libre, avec un cout de publication variable; le montant est indiqué dans ce document, pour chaque revue.

Attention, selon la revue et ses exigences, le contenu et la taille du *Data paper* peuvent varier considérablement entre une forme très synthétique et un article très complet. Consultez les instructions aux auteurs avant de faire votre choix. Pour toutes ces revues, le *Data paper* est publié après relecture par les pairs (peer-reviewing) et vérification de l'accès aux données.

Avant de choisir une revue, prenez également en compte la [licence de diffusion](#) appliquée aux jeux de données. En effet, la licence de diffusion appliquée aux data papers (c'est-à-dire à l'article lui-même) est généralement de type [Creative commons CC-BY](#) (obligation de créditer les auteurs). En revanche, la licence de diffusion appliquée aux jeux de données dépend de leur localisation : sur le site de l'éditeur ou dans un [entrepôt de données](#). Sachez que certaines revues et certains entrepôts appliquent, par défaut, une [licence CCO](#), c'est à dire sans obligation de créditer les producteurs de données. D'autres revues et entrepôts acceptent un délai (embargo) avant diffusion des données ou des licences excluant une utilisation commerciale des données ou limitant leur réutilisation en fonction du projet de recherche du demandeur.

La base [Où publier ?](#) du Cirad regroupe plus de 2000 revues dont celles présentées dans ce document. Cette base est interrogable par thèmes scientifiques et par divers critères dont les « types d'articles », tel que *Data papers*.

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1. Revues Multidisciplinaires

BMC Research Notes (BioMed Central): <http://bmcresearchnotes.biomedcentral.com/about>

Pas de facteur d'impact (IF) en 2018

- Domaines: *Biology, Medicine, Public Health, Veterinary Research, Ecology, Plant Biology, physical sciences, computer science and mathematics...*(en pratique: reste très "médecine").
- Publie différents types d'articles dont des *Data notes*. Voir l'**édito** publié en septembre 2017.
- *Data notes* should describe a dataset or database (max 1000 mots), with 3 sections: objective, data description and limitations, and with the data being readily accessible and attributed to a source. *Data notes* are quick and easy to write and they allow authors to make their unused data widely available. <https://bmcresearchnotes.biomedcentral.com/about/introducing-data-notes>.
- Instructions : <http://bmcresearchnotes.biomedcentral.com/submission-guidelines/preparing-your-manuscript/data-note>
- **Revue en libre accès : coût de publication (2019): 1180 € (introductory price).**
- Exemples:
 - *Maize Genomes to Fields: 2014 and 2015 field season genotype, phenotype, environment, and inbred ear image datasets.* 2018. <https://bmcresearchnotes.biomedcentral.com/articles/10.1186/s13104-018-3508-1>
 - *Image set for deep learning: field images of maize annotated with disease symptoms.* 2018. <https://bmcresearchnotes.biomedcentral.com/articles/10.1186/s13104-018-3548-6>
 - *Curation of microarray oligonucleotides and corresponding ESTs/cDNAs used for gene expression analysis in zebra finches.* 2018. <https://bmcresearchnotes.biomedcentral.com/articles/10.1186/s13104-018-3402-x>
 - *Draft genome sequence of Paenibacillus sp. EZ-K15 isolated from wastewater systems.* 2017. <https://bmcresearchnotes.biomedcentral.com/articles/10.1186/s13104-017-3069-8>

Data in Brief (Elsevier): <http://www.journals.elsevier.com/data-in-brief/>

Pas d'IF 2018

- Publie des *Data papers* dans de nombreux domaines tels que: *Agricultural and Biological Sciences, Cell biology, Economics, Econometrics and Finances, Energy, Environmental Sciences, Genetics, Genomics and Molecular Biology, Molecular Phylogenetics and Evolution, etc.*
- Les données peuvent être déposées dans un entrepôt ou publiées en fichiers supplémentaires dans cette revue (pas d'info sur la limite de taille des fichiers).
- Le *Data paper* peut être associé à un article de recherche publié dans une autre revue, mais ce n'est pas obligatoire.
- Instructions auteurs: <http://www.elsevier.com/journals/data-in-brief/2352-3409/guide-for-authors#87000>
Modèle : <http://www.journals.elsevier.com/data-in-brief/submit-your-data-in-brief/submit-your-own-data-in-brief/>
- **Revue en libre accès : coût de publication (2019): 600 \$**
- Exemples:
 - *The 'Plantain-Optim' dataset: Agronomic traits of 405 plantains every 15 days from planting to harvest.* 2018: <https://www.sciencedirect.com/science/article/pii/S2352340918300684>
 - *Dataset on the abundance of ants and Cosmopolites sordidus damage in plantain fields with intercropped plants.* 2016: <http://www.sciencedirect.com/science/article/pii/S2352340916305285>
 - *A description of data sets to determine the innovative diversification capacity of farm households.* 2016. <http://www.sciencedirect.com/science/article/pii/S2352340916304425>

F1000Research (F1000): <http://f1000research.com/>

Pas d'IF 2018

- Publie différents types d'articles dont des *Data Notes* dans tous les domaines.
Data Notes are brief descriptions of scientific datasets that include details of why and how the data were created; they do not include any analyses or conclusions.
- La particularité de F1000Research est de pratiquer la révision ouverte et en ligne des articles. The peer-review process for *F1000Research* is led by the authors. After publication, authors are expected to continue to suggest referees until at least two reviews are received.
- Instructions aux auteurs : <http://f1000research.com/for-authors/article-guidelines/data-notes>
- Revue en libre accès: coût de publication (2018): 150\$ (up to 1000 words and 10 MB) ou 500\$ (up to 2500 words and 1 GB) + additional 300\$ for larger datasets.
- Exemples:
 - *Germination rates of four Chilean forest trees seeds: Quillaja saponaria, Prosopis chilensis, Vachellia caven, and Caesalpinia spinosa*. 2018. <https://f1000research.com/articles/7-1446/v1>
 - *Complete plastome sequences of two Psidium species from the Galápagos Islands*. 2018. <https://f1000research.com/articles/7-1361/v1>
 - *First de novo draft genome sequence of Oryza coarctata, the only halophytic species in the genus Oryza*. 2017. <https://f1000research.com/articles/6-1750/v2>

GigaScience (Oxford University Press): <https://academic.oup.com/gigascience/pages/About>

IF 2018: 4.688, Q1 Multidisciplinary sciences (13/69)

- Publie différents types d'articles dont des *Data notes* de type: “*big-data*’ studies from the entire spectrum of life and biomedical sciences”.
- The scope covers not just ‘omic’ data and the fields of high-throughput biology currently serviced by large public repositories, but also the growing range of more difficult-to-access data, such as imaging, ecology, cohort data, systems biology and other new types of large-scale sharable data.
- Les *Data notes* sont fortement corrélés aux dépôts de *data sets* sur l'archive GigaDB (<http://gigadb.org/>) de l'éditeur (sous licence CC0). Format conseillé : ISA-Tab.
- Instructions aux auteurs : https://academic.oup.com/gigascience/pages/data_note
- Revue en libre accès : coût de publication des *Data Notes* (2019): 1057 €.
- Exemples:
 - *Long-read sequencing and de novo genome assembly of Ammopiptanthus nanus, a desert shrub*. 2018. <https://academic.oup.com/gigascience/article/7/7/giy074/5039704>
 - *The genome draft of coconut (Cocos nucifera)*. 2017. <https://academic.oup.com/gigascience/article/6/11/1/4345653>
 - *Genome assembly of the Pink Ipê (Handroanthus impetiginosus, Bignoniaceae), a highly valued, ecologically keystone Neotropical timber forest tree*. 2017. <https://academic.oup.com/gigascience/article/7/1/gix125/4739364?searchresult=1>

PLoS One (Public Library of Science): <http://www.plosone.org/static/information.action>

IF 2018: 2.776; Q2 Multidisciplinary Sciences (24/69)

- Domaines: all disciplines within science and medicine.
- Publie différents types d'articles dont des *Databases, Software, and Tools*.
- Instructions aux auteurs: <http://journals.plos.org/plosone/s/submission-guidelines#loc-methods-software-databases-and-tools>
- Revue en libre accès : coût de publication (2019): 1595 \$.
- Pas d'exemple.

Scientific Data (Nature Publishing Group): <http://www.nature.com/scientificdata/>

IF 2018: 5.929; Q1 Multidisciplinary Sciences (9/69)

- Domaines: sciences de la vie, environnement et biomédecine (sous-thèmes : Plant sciences, Forest Ecology, Biodiversity, Biogeography, Macroecology, Hydrology, ...)
- Publie uniquement des *Data papers* nommés *Data Descriptors*. *Data Descriptors*: descriptions of experimental and observational datasets including the methods used to collect the data and technical analyses supporting the quality of the measurements.
- Les jeux de données doivent être en accès libre dans un entrepôt. La liste des entrepôts recommandés est disponible à : <http://www.nature.com/sdata/data-policies/repositories>.
- Instructions aux auteurs et modèle: <http://www.nature.com/scientificdata/for-authors/#format>
- Revue en libre accès: coût de publication (2019): 1390 € (including 100 GB of storage at figshare).
- Exemples :
 - *Smart subsidies for catchment conservation in Malawi.* 2018.
<https://www.nature.com/articles/sdata2018113>
 - *A functional trait database for Mediterranean Basin plants.* 2018.
<https://www.nature.com/articles/sdata2018135#data-records>
 - *A global experimental dataset for assessing grain legume production.* 2016.
<http://www.nature.com/articles/sdata201684>
 - *Next generation sequencing data of a defined microbial mock community.* 2016.
<http://www.nature.com/articles/sdata201681>

SpringerPlus (Springer): <http://www.springerplus.com/>

IF 2016: 1.130; Q2 Multidisciplinary Sciences (30/64)

- La revue ne publie plus d'articles depuis juin 2016.

2. Revues en Génétique, Biologie et Microbiologie

BMC Genomics (BioMed Central): <https://bmcgenomics.biomedcentral.com/>

IF 2018: 3.501; Q2 Biotechnol & Applied Microbiology (48/162), Q2 Genetics & Heredity (58/174)

- Publie différents types d'articles dont des *Database articles* et *Software articles* on all aspects of genome-scale analysis, functional genomics, and proteomics.
- Instructions for *Database article*: <https://bmcgenomics.biomedcentral.com/submission-guidelines/preparing-your-manuscript/database-article>
- **Revue en libre accès : coût de publication (2019): 1745 Euros**
- Exemples de *Database articles*:
 - *Pseudocohnilembus persalinus genome database - the first genome database of facultative scuticociliatosis pathogens.* 2018. <https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-018-5046-6>
 - *Gene evolution and gene expression after whole genome duplication in fish: the PhyloFish database.* 2016. <https://bmcgenomics.biomedcentral.com/articles/10.1186/s12864-016-2709-z>

BMC (BioMed Central): <https://www.biomedcentral.com/journals-a-z#B>

- Toutes les revues « BMC ... » publient des *Database articles* et *Software articles*
- Exemples de revues: *BMC Ecology*, *BMC Genetics*, *BMC Microbiol.*, *BMC Evolutionary Biol....*

eLife : <https://elifesciences.org/>

IF 2018: 7.551, Q1 Biology (4/87)

- Domaines: Biology, Genetics, Ecology, Epidemiology and global health, Microbiology, Plant biology, etc.
- Publie différents types d'articles dont des *Tools and Resources* (<https://elifesciences.org/articles/tools-resources>) mais il s'agit d'articles complets.

This category highlights tools or resources that are especially important for their respective fields and have the potential to accelerate discovery. For example: significant technological or methodological advances, genomic or other datasets, collections of biological resources, software tools, and so on. The article should fully describe the tool or resource so that prospective users have all the information needed to deploy it within their own work.

- Instructions authors: http://submit.elifesciences.org/html/elife_author_instructions.html
- **Revue en libre accès : coût de publication (2019) : 2500 \$.**
- Exemples :
 - *Synthetic hormone-responsive transcription factors can monitor and re-program plant development.* 2018. <https://elifesciences.org/articles/34702>
 - *ATP sensing in living plant cells reveals tissue gradients and stress dynamics of energy physiology.* 2017. <https://elifesciences.org/articles/26770>
 - *Using mobile phones as acoustic sensors for high-throughput mosquito surveillance.* 2017. <https://elifesciences.org/articles/27854>

Genomics Data (Elsevier) : <http://www.journals.elsevier.com/genomics-data/>

- La revue a été intégrée dans *Data in Brief*, le Data journal d'Elsevier (voir dans les revues multidisciplinaires).

Metabarcoding and Metagenomics (Pensoft Publishers) <https://mbmg.pensoft.net/>

Pas d'IF 2018

- Publie différents types d'articles dont des *Data papers* “describing original data that are the outcome of a model, experiments, observations, surveys, or any other means of data collection”.
- Instructions aux auteurs : <https://mbmg.pensoft.net/about#Author-Guidelines>
- Revue en libre accès : gratuit pendant la phase de lancement.
- Pas d'exemple de Data paper (2019/09/30) mais exemples de Software papers : https://mbmg.pensoft.net/browse_journal_articles.php?form_name=filter_articles&sortby=0&journal_id=61&search_in_=0§ion_type%5B%5D=302

Microbiology Resource Announcements (American Society for Microbiology) <https://mra.asm.org/>

Pas d'IF 2018

- Publie principalement des *Announcements* : brief report (500 words) describing the resource and providing a citable record of the corresponding public repository accession number or stating the availability to the scientific community of other microbiological resources. The resource(s) must be publicly available before the submission will be considered for publication.
- Instructions aux auteurs : <https://mra.asm.org/content/getting-started>
- Revue en libre accès : coût de publication (2019): 1000 \$.
- Exemples d'*Announcements* :
 - *Complete Genome Sequence of Bradyrhizobiumsp. Strain ORS3257, an Efficient Nitrogen-Fixing Bacterium Isolated from Cowpea in Senegal.* <https://mra.asm.org/content/ga/8/3/e01449-18.full.pdf>
 - *First Report of Near-Complete Genome Sequences of Foot-and-Mouth Disease Virus Serotype O Strains from Kenya. 2019.* <https://mra.asm.org/content/8/35/e00808-19>
 - *Mitochondrial Genome Sequences of Diorhabda carinata and D. carinulata, Two Beetle Species Introduced to North America for Biological Control.* <https://mra.asm.org/content/8/35/e00690-19>

Nature Biotechnology (Nature Publishing Group): <http://www.nature.com/nbt/index.html>

IF 2018: 31.864; Q1 Biotechnology & Applied Microbiology (2/162)

- Publie différents types d'articles dont : *Resources*, *Correspondence* et *Analysis*: <http://www.nature.com/nbt/pdf/gta.pdf>
A Resource presents a large data set (such as a comprehensive list of proteins in an organelle or tissue, a genome-wide antibody library, coordinated analysis of cells or reagents by several different laboratories) of broad utility, interest and significance to the community. The main text is approximately 3,000 words. Resources are peer reviewed.
A Correspondence may describe primary research data, but only in summary form: < 1 page, < 10 ref. This format is not intended for full presentation of data.
An Analysis is a new analysis of existing data (typically large genomic, transcriptomic or proteomic data sets from arrays or other high-throughput platforms) or describe new data obtained in a comparative analysis of technologies that lead to novel and arresting conclusions of importance to a broad audience.
- La revue n'est pas en libre accès. **Pas de coût de publication si article < 6 pages.**
- Exemples de *Correspondence* et de *Resource* :
 - *Evaluation of immune repertoire inference methods from RNA-seq data.* 2018. <https://www.nature.com/articles/nbt.4294>
 - *The quantitative and condition-dependent Escherichia coli proteome.* 2016. <http://www.nature.com/nbt/journal/v34/n1/full/nbt.3418.html>

Nucleic Acids Research (Oxford University Press): <http://nar.oxfordjournals.org/>

IF 2018: 11.147; Q1 Biochemistry & Molecular Biology (14/298)

- Publie différents types d'articles dont des *Database articles*, sous forme d'un N° thématique en janvier chaque année, et des *Web Server articles*, sous forme d'un N° thématique en juillet chaque année. La base de données doit être en libre accès sur le web.
- Instructions pour la *Database Issue* et pour la demande préalable nécessaire: http://www.oxfordjournals.org/our_journals/nar/for_authors/msprep_database.html
- Revue en libre accès : coût de publication (2019): 2237 Euros.
- Exemples : https://academic.oup.com/nar/search-results?f_TocHeadingTitle=Database+Issue

Standards in Genomic Sciences (BioMed Central): <https://standardsingenomics.biomedcentral.com/>

IF 2017: 1.600; Q4 Microbiol (97/125); Q4 Genetics & Heredity (132/171)

- Journal for rapid dissemination of concise genome and metagenome reports from *Bacteria* and *Archaea*.
- La revue ne publie plus de *Genome Reports* depuis le 31 juillet 2018.

3. Revues en Chimie

BMC Chemistry, formerly known as *Chemistry Central Journal* (SpringerOpen):
<http://ccj.springeropen.com/>

IF 2018: 2.094; Q3 Chemistry, Multidisciplinary (93/172)

- Publie différents types d'articles dont des *Database articles* et des *Software articles*
- Scope: all areas of chemistry including: Biological chemistry, Environmental and Energy chemistry, Food Science, etc.
- Instructions for *Database article*: <http://ccj.springeropen.com/submission-guidelines/preparing-your-manuscript/database>
- **Revue en libre accès : coût de publication (2019): 1690 Euros**
- Pas d'exemple.

Chemical Data Collections (Elsevier) <https://www.journals.elsevier.com/chemical-data-collections/>

Pas d'IF 2018

- Publie des "*Data articles*" : short self-contained publications about research materials and data - this may also include intermediate and null/negative results.
- Categories: spectral data, syntheses, crystallographic data, computational simulations, molecular dynamics and models, physicochemical data, and experimental designs and protocols.
- Instruction et modèle : <https://www.elsevier.com/journals/chemical-data-collections/2405-8300/guide-for-authors>
- La revue n'est pas en libre accès. **Cout de l'option Open access (2019): 500 \$.**
- Exemples:
 - *Total polyphenols quantification in Acridocarpus orientalis and Moringa peregrina by using NIR spectroscopy coupled with PLS regression.* 2018. <https://doi.org/10.1016/j.cdc.2018.01.005>
 - *Degradation of microbial proteins – Molecular-scale understanding of the forms and dynamics of organic nitrogen in soils.* 2017. <https://doi.org/10.1016/j.cdc.2017.08.007>

4. Revues en Biologie Végétale et Phytopathologie

AoB Plant (Oxford University Press) <https://academic.oup.com/aobpla>

IF 2018: **2.270**; Q2 Plant Sciences (77/228); Q3 Ecology (84/164)

- Publie différents types d'articles dont, depuis peu, des *Data papers* dénommés « *Datasets* »
- Instructions : https://academic.oup.com/aobpla/pages/General_Instructions#%20SUBMISSION%20TYPES%20
- **Revue en libre accès : coût de publication (2019): 1107 Euros.**
- Exemple :
 - *Composition and physicochemical properties of outer mucilage from seeds of Arabidopsis natural accessions.* 2019. <https://doi.org/10.1093/aobpla/plz031>

BMC Plant Biology (BioMed Central): <https://bmcmathplantbiol.biomedcentral.com/>

IF 2018: **3.670**; Q1 Plant Science (30/228)

- **Revue en libre accès : coût de publication (2019): 1745 Euros.**
- Exemples de *Database papers* :
 - *AgriSeqDB: an online RNA-Seq database for functional studies of agriculturally relevant plant species.* 2018. <https://doi.org/10.1186/s12870-018-1406-2>
 - *Ginseng Genome Database: an open-access platform for genomics of Panax ginseng.* 2018. <https://doi.org/10.1186/s12870-018-1282-9>

Botanical Studies (SpringerOpen): <http://as-botanicalstudies.springeropen.com/>

IF 2018: **1.796**; Q2 Plant Science (95/228)

- Publie différents types d'articles dont des *Database articles* on all aspects of botany, from plant molecular biology through classical botany to taxonomy and ecology.
- Instructions pour *Database article*: <http://as-botanicalstudies.springeropen.com/submission-guidelines/preparing-your-manuscript/database-article>
- **Revue en libre accès : coût de publication (2019): 1690 Euros.**
- Pas d'exemple.

Molecular Plant-Microbe Interactions (American Phytopathological Society)

<https://apsjournals.apsnet.org/toc/mpmi/current>

IF 2018: **3.649**; Q1 Plant Sciences (31/228); Q2 Biochemistry & Molecular Biology (107/298)

- Publie différents types d'articles dont des *Resource Announcements* describing new, large-scale data sets, sequences, code, or other resources available for plant pathogens, plant-microbe interactions, or plant-associated data of interest to the broader community.
- Instructions aux auteurs: <https://apsjournals.apsnet.org/page/authorinformation>
Resource Announcements are peer-reviewed 2-3 pages + 1 table but no figures.
Types of data include whole-genome, transcriptome, proteome, population genomic, microbiome, metabarcodes, and plant phenome resources. Genomes for newly sequenced species require that the sequenced strain be deposited in a recognized herbarium.
Authors are expected to submit raw data (fastq files) and processed data (calculation of RPKM/FPKM values) from RNA-Seq experiments to the appropriate public database, such as EMBL-EBI via ArrayExpress or the NCBI Gene Expression Omnibus (GEO).
- **Coût de publication (2019): 850 \$ (3 pages) + 150\$/p. supplémentaire.** Article en libre accès.
- Exemples :

- *Genome Sequence Resources for the Wheat Stripe Rust Pathogen (*Puccinia striiformis* f. sp. *tritici*) and the Barley Stripe Rust Pathogen (*Puccinia striiformis* f. sp. *hordei*). 2018.* <https://doi.org/10.1094/MPMI-04-18-0107-A>
- *Draft Genome Resource for the Potato Powdery Scab Pathogen *Spongospora subterranean*. 2018.* <https://doi.org/10.1094/MPMI-06-18-0163-A>

Phytobiomes Journal (American Phytopathological Society)

<https://apsjournals.apsnet.org/toc/pbiomes/current>

Pas d'IF 2018: la revue date de 2017

- Publie différents types d'articles dont des *Resource Announcements* describing new, large-scale data sets, sequences, code, or other resources available for plant pathogens, plant-microbe interactions, or plant-associated data of interest to the broader community.
- Instructions aux auteurs: <https://apsjournals.apsnet.org/page/authorinformation> : Mêmes critères que ceux décrits dans *Molecular Plant-Microbe Interactions*.
- **Coût de publication (2019): 850 \$ (3 pages) + 150\$/page supplémentaire.** Article en libre accès.
- Pas d'exemple

Phytopathology (American Phytopathological Society) <https://apsjournals.apsnet.org/toc/phyto/current>

IF 2018: **3.264; Q1 Plant Sciences (40/228)**

- Publie différents types d'articles dont des *Resource Announcements* describing new, large-scale data sets, sequences, code, or other resources available for plant pathogens, plant-microbe interactions, or plant-associated data of interest to the broader community.
- Instructions aux auteurs: <https://apsjournals.apsnet.org/page/authorinformation> : Mêmes critères que ceux décrits dans *Molecular Plant-Microbe Interactions*.
- **Coût de publication (2019): 850 \$ (3 pages) + 150\$/page supplémentaire.** Article en libre accès.
- Exemple :
 - *A New Resource for Research and Risk Analysis: The Updated European Food Safety Authority Database of *Xylella* spp. Host Plant Species. 2019.* <https://doi.org/10.1094/PHYTO-09-18-0343-A>
 - *Draft Genome Resources for the Phytopathogenic Fungi *Monilinia fructicola*, *M. fructigena*, *M. polystroma*, and *M. laxa*, the Causal Agents of Brown Rot. 2018.* <https://doi.org/10.1094/PHYTO-12-17-0418-A>

Plant & Cell Physiology (Oxford University Press)

http://www.oxfordjournals.org/our_journals/pcp/db_callforpaper.html

IF 2018: **3.929; Q1 Plant Sciences (23/228), Q2 Cell Biology (80/193)**

- Publie différents types d'articles dont des *Databases papers* describing new plant-oriented databases or online tools, as well as significant updates on existing ones.
- **Coût de publication (2019): 178.50 € (JSPP members) ou 357 € (non-members).**
Database articles will be freely available online and accessible by non-subscribers to the journal.
- Exemples : <http://pcp.oxfordjournals.org/content/56/1.toc>

Plant Disease (American Phytopathological Society) <https://apsjournals.apsneForestt.org/toc/pdis/current>

IF 2018: **3.583; Q1 Plant Sciences (33/228)**

- Publie différents types d'articles dont des *Resource Announcements* describing new, large-scale data sets, sequences, code, or other resources available for plant pathogens, plant-microbe interactions, or plant-associated data of interest to the broader community.
- Instructions aux auteurs: <https://apsjournals.apsnet.org/page/authorinformation> : critères identiques à ceux décrits dans *Phytopathology*.

- Coût de publication (2019): 850 \$ (3 pages) + 150\$/page supplémentaire. Article en libre accès.
- Exemples :
 - *Development of genomic resources for the powdery mildew, Erysiphe pulchra.* 2018. <https://apsjournals.apsnet.org/doi/10.1094/PDIS-05-18-0719-A>
 - *Genome resources for the stem and bark canker pathogens Corinectria fuckeliana, Neonectria hederae and N. punicea.* 2019. <https://apsjournals.apsnet.org/doi/abs/10.1094/PDIS-05-18-0904-A>

Plant Journal (Wiley): <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291365-313X>

IF 2018: **5.726; Q1 Plant Sciences (11/228)**

- Publie différents types d'articles dont des *Resource Articles* on large-scale reference datasets derived from transcriptomics, proteomics, or metabolomics that the community will likely continue to use for metadata analysis leading to novel biological insights. Maximum 15 000 mots pour les *Resource Articles*. Il s'agit ici d'articles très complets avec résultats et discussion.
- Instructions aux auteurs: <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291365-313X/homepage/ForAuthors.html>
- Pas de coût de publication, la revue n'est pas en libre accès. Coût de l'option Open access (2019): **3400 Euros**.
- Exemples:
 - *Natural genetic variation shapes root system responses to phytohormones in Arabidopsis.* 2018. <https://doi.org/10.1111/tpj.14034>
 - *MCRiceRepGP: a framework for the identification of genes associated with sexual reproduction in rice.* 2018. <https://doi.org/10.1111/tpj.14019>

Plant Methods (BioMed Central): <https://plantmethods.biomedcentral.com/>

IF 2018: **3.170; Q1 Plant Sciences (43/228), Q2 Biochemical Research Methods (23/79)**

- Publie différents types d'articles dont des *Database articles* et *Software articles* on all aspects of technological innovation in the plant sciences.
- Instructions pour *Database article*: <https://plantmethods.biomedcentral.com/submission-guidelines/preparing-your-manuscript/database>
- Revue en libre accès : coût de publication (2019): 1820 Euros.
- Exemples de *Database papers* :
 - *LEAFDATA: a literature-curated database for Arabidopsis leaf development.* 2016. <https://plantmethods.biomedcentral.com/articles/10.1186/s13007-016-0115-9>
 - *WallProtDB, a database resource for plant cell wall proteomics.* 2015. <https://plantmethods.biomedcentral.com/articles/10.1186/s13007-015-0045-y>

The Plant Phenome Journal (American Society of Agronomy):

<https://dl.sciencesocieties.org/publications/tppj>

Pas d'IF car le premier numéro de la revue date d'octobre 2018.

- Publie différents types d'articles dont des *Data Briefs*.
- *Data Briefs*, limited to 2 pages, describe a large phenotypic data set submitted to the journal repository for community analysis. All data sets should adhere to the best metadata and curation practices at the time of submission, which we expect to evolve over time.
- Revue en libre accès : coût de publication (2019): 250 \$.
- Pas encore d'exemple, la revue est toute nouvelle.

5. Revues en Biologie et Santé

BMC Public Health (BioMed Central): <http://bmcpublichealth.biomedcentral.com/>

IF 2018: **2.567**; Q2 Public, Environmental & Occupational Health (59/185)

- Publie différents types d'articles dont des *Database articles* et *Software articles* on the epidemiology of disease and the understanding of all aspects of public health.
- Instructions for *Database article*: <http://bmcpublichealth.biomedcentral.com/submission-guidelines/preparing-your-manuscript/database-article>
- Revue en libre accès : coût de publication (2019): 1990 Euros.
- Exemple :
 - *A knowledge management tool for public health: health-evidence.ca. 2010.*
<https://doi.org/10.1186/1471-2458-10-496>
 - *FRED (A Framework for Reconstructing Epidemic Dynamics): an open-source software system for modeling infectious diseases and control strategies using census-based populations. 2013.*
<https://doi.org/10.1186/1471-2458-13-940>

International Journal of Epidemiology (Oxford University Press): <http://ije.oxfordjournals.org/>

IF 2018: **7.339**; Q1 Public, Environmental & Occupational Health (6/185)

- Publie différents types d'articles dont des *Data Resource Profile*
A *Data resource* (2500 à 3000 mots) is any set of data from a defined population available to bona fide researchers that could be used for epidemiological research. Data collected at global, regional, national or sub-national level may come from single or repeat cross-sectional surveys, large randomized or quasi-randomized evaluation studies, or bio-resources.
- Instructions aux auteurs :
http://www.oxfordjournals.org/our_journals/ije/for_authors/data_resource_profile_series.html
- La revue n'est pas en libre accès. Coût de l'option Open access (2019) : 3396 €.
- Exemples:
 - *Cross-national and cross-study sociodemographic and health-related harmonized domains from SAGE plus CHARLS, ELSA, HRS, LASI and SHARE (SAGE+ Wave 2). 2018.*
<https://doi.org/10.1093/ije/dyy227>
 - *Seeding Success: a cross-sectoral data resource for early childhood health and development research in Australian Aboriginal and non-Aboriginal children. 2017.*
<https://doi.org/10.1093/ije/dyx051>
 - *Data Resource Profile: WHO Health Equity Monitor (HEM).2016.* <https://doi.org/10.1093/ije/dyw176>

Journal of Open Health Data (Ubiquity Press): <http://openhealthdata.metajnl.com/>

Pas d'IF 2018

- Publie principalement des *Data papers*.
- Encourages the deposition of grey literature (ex: research study protocols, Data management plans (DMP), consent forms, participant guidance documents and white paper reports, etc.)
- If the data concerns patient data it must be sufficiently anonymised and appropriate consent forms should be signed.
- Modèle (*Template*) : <http://openhealthdata.metajnl.com/about/submissions/>
- Revue en libre accès : coût de publication (2019): £100.
- Exemples : <http://openhealthdata.metajnl.com/articles/>

6. Revues en Ecologie, Environnement et Biodiversité

Biodiversity Data Journal (Pensoft Publishers): <http://biodiversitydatajournal.com/>

IF 2018: 1.029, Q3 Biodiversity Conservation (43/58)

- Domaines: biodiversity science containing taxonomic, floristic/faunistic, morphological, genomic, phylogenetic, ecological or environmental data on any taxon of any geological age from any part of the world with no limit to manuscript size. For example :
 - *biodiversity-related databases, including ecological and environmental data;*
 - *sampling reports, local observations or occasional inventories, if these contain novel data;*
 - *local or regional checklists and inventories;*
 - *habitat-based checklists and inventories;*
- Publie différents types d'articles dont des *Data papers* (idem pour toutes les revues de l'éditeur Pensoft, voir ci-dessous).
- Instructions aux auteurs: <http://bdj.pensoft.net/about#Data-publication>.
Pour faciliter la rédaction du *Data paper* et la publication des données, l'éditeur propose de se connecter à la plateforme logicielle *Integrated Publishing Toolkit* (IPT, <http://www.gbif.org/ipt>) qui gère trois types de données : les données primaires, les checklists et les métadonnées. Les données sont publiées sous format *Darwin Core Archives* et *Ecological Modeling Language*.
- Les données sont déposées dans un entrepôt (liste fournie dans les instructions aux auteurs) ou publiées en fichiers supplémentaires dans la revue jusqu'à 20 MB.
- **Revue en libre accès : coût de publication (2019): 450 €.**
- Exemples :https://bdj.pensoft.net/browse_journal_articles.php?form_name=filter_articles&sortby=0&journal_id=1&search_in_=0§ion_type%5B%5D=8
 - An online global database of Hemiptera-Phytoplasma-Plant biological interactions. 2019 <https://bdj.pensoft.net/article/32910/>
 - OpenNahele: the open Hawaiian forest plot database. 2018. <https://bdj.pensoft.net/article/28406/>
 - Structure and tree species composition in different habitats of savanna used by indigenous people in the Northern Brazilian Amazon. 2017. <https://bdj.pensoft.net/article/20044/>
 - Seed plant diversity of different forest types in Liangshui National Natural Reserve. 2017. <https://bdj.pensoft.net/article/22167/>
 - A dataset of fishes in and around Inle Lake, an ancient lake of Myanmar, with DNA barcoding, photo images and CT/3D models. 2016. <https://bdj.pensoft.net/article/10539/>

BioInvasions Records (Regional Euro-Asian Biological Invasions Centre (REABIC ; Finlande) <http://www.reabic.net/journals/bir/About.aspx>

IF 2018: 1.198, Q3 Biodiversity Conservation (39/58)

- Publie différents types d'articles dont des *Data papers* (brief descriptions of scientific datasets, including annotated checklists of non-native species for countries or for specific geographic areas, or extended datasets on geo-referenced records of non-native species (and native species, if relevant), normally not longer than 4 printed journal pages).
- Le journal recommande le dépôt des données dans l'entrepôt du REABIC ou dans l'entrepôt du GBIF (REABIC est un partenaire du GBIF)
- **Revue en libre accès : coût de publication (2019): 70 €/page, avec un minimum de 420 € pour un article < 6 pages.**
- Exemple :
 - *Waarnemingen.be – Non-native plant and animal occurrences in Flanders and the Brussels Capital Region, Belgium. 2018.* http://www.reabic.net/journals/bir/2018/3/BIR_2018_Swinnen_et.al.pdf

BMC Ecology (BioMed Central): <https://bmcecol.biomedcentral.com/>

IF 2018: 2.381; Q2 Ecology (76/164)

- Publie différents types d'articles dont des *Database articles* et *Software articles* on environmental, behavioral and population ecology, biodiversity of plants, animals, microbes.
- Instructions for *Database articles*: <http://bmcecol.biomedcentral.com/submission-guidelines/preparing-your-manuscript/database-article>
- Revue en libre accès : coût de publication (2019): 1790 Euros.
- Exemples de *Database articles* :
 - *SymbioGBR: a web-based database of Symbiodinium associated with cnidarian hosts on the Great Barrier Reef.* 2013. <http://www.biomedcentral.com/content/pdf/1472-6785-13-7.pdf>
 - *The Hawaiian Freshwater Algal Database (HfwADB): a laboratory LIMS and online biodiversity resource.* 2012. <http://www.biomedcentral.com/content/pdf/1472-6785-12-22.pdf>

Ecological Research – Ecological Research Archives (Wiley)

<https://esj-journals.onlinelibrary.wiley.com/journal/14401703>

IF 2018: 1.546; Q3 Ecology (106/164)

- Publie différents types d'articles dont des *Data papers*, covering all aspects of ecology and ecological sciences.
- *Ecological Research* publie le résumé et les mots-clés du *Data paper*. L'intégralité du *Data paper* est accessible par *Ecological Research Data Archives*. Le tout est en accès libre.
- The data should be archived either on the JaLTER database or other open-access archives which Data Paper Editor certifies (e.g. FigShare, Dryad). To prepare data and metadata, please refer to the guidelines for data papers : https://onlinelibrary.wiley.com/pb-assets/assets/14401703/ERE_Guidelines_for_Data_Papers_revised_6Mar2019-1551848942780.pdf
- Pas de coût de publication. Les data papers sont en accès libre.
- Exemples :
 - *Fish-prey interactions in, and associated data from, a temperate stream of the Yura River, Kyoto, Japan.* 2018. <https://link.springer.com/article/10.1007/s11284-018-1599-8>
 - *8 million phenological and sky images from 29 ecosystems from the Arctic to the tropics: the Phenological Eyes Network.* 2018. <https://link.springer.com/article/10.1007/s11284-018-1633-x>
 - *Native Mediterranean plants as potential food sources for natural enemies of insect pests in olive groves.* 2017. <https://link.springer.com/article/10.1007/s11284-017-1460-5>
 - *Monitoring of the ground-dwelling beetle community and forest floor environment in 22 temperate forests across Japan.* 2016. <https://link.springer.com/article/10.1007/s11284-016-1379-2>
 - *5- and 10-km mesh datasets of agricultural land use based on governmental statistics for 1970–2005.* 2015. <https://link.springer.com/article/10.1007/s11284-015-1290-2>

Ecology - Ecological Archives (Ecological Society of America / Wiley):

<http://www.esajournals.org/loi/ecol>

IF 2018: 4.285; Q1 Ecology (27/164)

- Publie différents types d'articles dont des *Data papers* en libre accès total, depuis 2000.
- *Data Papers* present large or expansive data sets, accompanied by metadata which describes the content, context, quality, and structure of the data. They should emphasize the collection, organization, synthesis, and thorough documentation of datasets of ecological value.
- Instructions pour les *Data papers* :
https://esajournals.onlinelibrary.wiley.com/hub/journal/19399170/resources/data_paper_inst_ecy
- *Ecology* publie uniquement le résumé et les mots-clés du *Data paper* et donne le lien vers :
 - le document décrivant les metadonnées complètes, accessible sur le site de Wiley

- les données déposées : sur le site de l'éditeur, ou dans un entrepôt de données tel que DRYAD, Figshare ou autres entrepôts thématiques ou institutionnels.
- **Coût de publication (2019): 250 \$** jusqu'à 10 MB de taille de fichiers. Si la taille des fichiers dépasse 10 MB (formats *plain text*, *.txt*, *.csv*), un coût supplémentaire est dû. **Les data papers sont en accès libre.**
- Exemples :
- Exemple d'un N° thématique consacré à des data papers "*from a biodiversity hotspot*". 2018. [https://esajournals.onlinelibrary.wiley.com/doi/toc/10.1002/\(ISSN\)1939-9170.AtlanticPapers](https://esajournals.onlinelibrary.wiley.com/doi/toc/10.1002/(ISSN)1939-9170.AtlanticPapers)
 - *Cerrado Small Mammals: abundance and distribution of marsupials, lagomorphs, and rodents in a Neotropical savanna*. 2018. <https://esajournals.onlinelibrary.wiley.com/doi/10.1002/ecy.2367>
 - *Functional traits of the understory plant community of a pyrogenic longleaf pine forest across environmental gradients*. 2017. <http://onlinelibrary.wiley.com/doi/10.1002/ecy.1886/full>
 - *BAAD: a Biomass and Allometry Database for woody plants*. 2015. <http://onlinelibrary.wiley.com/doi/10.1890/14-1889.1/abstract>

Ecosystems and People (Taylor & Francis) <https://www.tandfonline.com/toc/tbsm21/current>

(ancien nom de la revue: International Journal of Biodiversity Science, Ecosystem Services & Management)

Pas d'IF 2018

- Publie différents types d'articles dont des *Data papers* : <https://www.tandfonline.com/action/authorSubmission?journalCode=tbsm21&page=instructions>
- *Data Papers* present new data that relate to: biodiversity and ecosystems, ecosystem services, wellbeing and other social aspects. Data should be clearly described, with a special focus on the methodology and usefulness / application of the data.
- **Cout de publication (2019): 750 Euros. La revue est en libre accès total.**
- Pas d'exemple.

Global Ecology and Biogeography (Wiley) [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1466-8238](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1466-8238)

IF 2018: 5.667; Q1 Ecology (17/164); Q1 Geography, Physical (2/50)

- Publie différents types d'articles dont des *Data papers* : [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1466-8238/homepage/ForAuthors.html](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1466-8238/homepage/ForAuthors.html)
- *Data papers* are short papers (2000 words excluding abstract + 2 figures) that present datasets of broad macro-ecological interest. The data must be made public at time of publication, by depositing them in an online repository. Abstract, not longer than 300 words, with the following headings: Motivation, Main types of variable contained, Spatial location and grain, Time period and grain, Major taxa and level of measurement, Software format.
- Pas de coût de publication, la revue n'est pas en libre accès. **Coût de l'option Open access (2019) : 3050 Euros.**
- Exemples:
 - *Tundra Trait Team: A database of plant traits spanning the tundra biome*. 2018. <https://onlinelibrary.wiley.com/doi/10.1111/geb.12821>
 - *Life-history characteristics of European birds*. 2018. <https://onlinelibrary.wiley.com/doi/full/10.1111/geb.12709>
 - *A global spatially explicit database of changes in island palaeo-area and archipelago configuration during the late Quaternary*. 2018. <https://onlinelibrary.wiley.com/doi/abs/10.1111/geb.12715>
 - *TetraDENSITY: A database of population density estimates in terrestrial vertebrates*. 2018. <https://onlinelibrary.wiley.com/doi/abs/10.1111/geb.12756>

Journal of Environmental Quality <https://dl.sciencesocieties.org/publications/jeq>

IF 2018: **2.579**; Q2 Environmental Sciences (106/250)

- Revue créée en 1994 par ACSESS regroupant 3 sociétés savantes américaines (*American Soc. Agronomy, Crop Science Soc. America, Soil Science Soc. America*).
- Publie différents types d'articles dont des *Data papers* depuis 2015.
Voir l'édito à ce sujet : <https://dl.sciencesocieties.org/publications/jeq/pdfs/44/1/1>
- Nombreux domaines : Environmental issues, Environmental microbiology, Plant and environment interactions, Waste management, Landscape and watershed processes, etc.
- Instructions aux auteurs : <https://dl.sciencesocieties.org/publications/jeq/author-instructions-datasets>
- Pas de cout de publication jusqu'à 7 pages, la revue n'est pas en libre accès. **Coût de l'option Open access (2019) : 800 \$ (pour licence CC-BY-NC-ND) ou 1300 \$ (licence CC-BY)**.
- Exemples :
 - *Long-term Data from the Swedish National Environmental Monitoring Program of Pesticides in Surface Waters.* 2019. <https://dl.sciencesocieties.org/publications/jeq/articles/48/4/1109>
 - *A Dataset for Three-Dimensional Distribution of 39 Elements Including Plant Nutrients and Other Metals and Metalloids in the Soils of a Forested Headwater Catchment.* 2017. <https://dl.sciencesocieties.org/publications/jeq/abstracts/46/6/1510>
 - *Agricultural Conservation Planning Framework: 3. Land Use and Field Boundary Database Development and Structure.* 2017. <https://dl.sciencesocieties.org/publications/jeq/articles/46/3/676>

Neobiota (Pensoft Publishers): <http://neobiota.pensoft.net/about#FocusandScope>

IF 2018: **2.488**, Q2 Biodiversity Conservation (19/58); Q2 Ecology (69/164)

- Publie différents types d'articles dont des *Data papers* on underlying mechanisms and associated consequences of all types of alien species and biological invasions.
- Information for *Data publishing* : <http://neobiota.pensoft.net/about#DataPublishing>
- **Revue en libre accès : coût de publication (2019): 900 €**
- Exemples :
 - *Plant parasitic nematode survival and detection to inform biosecurity risk assessment.* 2018. <https://neobiota.pensoft.net/article/11418/>
 - *Syndromes in suites of correlated traits suggest multiple mechanisms facilitating invasion in a plant range-expander.* 2018. <https://neobiota.pensoft.net/article/21470/>

Pensoft Publishers : La plupart des revues de cet éditeur appliquent les mêmes principes.

- Guide générique pour les Data papers et Software papers :
https://riojournal.com/articles.php?id=12431&instance_id=3306538
- Exemples de revues : https://pensoft.net/browse_journals
 - *African Invertebrates* IF 2018: 0.667, Q3 Entomology (70/98), Q4 Zoology (137/170)
 - *BioDiscovery* (pas d'IF 2018)
 - *Biorisk* (pas d'IF 2018)
 - *Journal of Hymenoptera Research* IF 2018: 0.939, Q3 Entomology (60/98)
 - *Mycobanks* IF 2018: **2.435**, Q3 Mycology (15/29)
Exemple: *The Flora Mycologica Iberica Project fungi occurrence dataset.* 2016.
<https://mycobanks.pensoft.net/article/9765/>
 - *Nature Conservation* IF 2018: 1.220, Q3 Biodiversity Conservation (38/58)

- *One Ecosystem* (pas d'IF 2018)

Exemples: https://oneecosystem.pensoft.net/browse_journal_articles.php?form_name=filter_article&sortby=0&journal_id=52&search_in_=0§ion_type%5B%5D=266

- *Data on and methodology for measurements of microclimate and matter dynamics in transition zones between forest and adjacent arable land.* 2018.

<https://oneecosystem.pensoft.net/article/24295/instance/3434057/>

- *Phytokeys* IF 2018: 1.500, Q2 Plant Sciences (113/228)

Exemples :

- *Togo National Herbarium database.* 2018. <https://phytokeys.pensoft.net/article/25385/>
- *Data Release: DNA barcodes of plant species collected for the Global Genome Initiative for Gardens Program, National Museum of Natural History, Smithsonian Institution.* 2017. <https://phytokeys.pensoft.net/article/14607/>
- *RAINBIO: a mega-database of tropical African vascular plants distributions.* 2016. <https://phytokeys.pensoft.net/article/9723/>

- *Zookeys* IF 2018: 1.430, Q2 Zoology (82/170)

Exemples :

- *The collection of birds from Mozambique at the Instituto de Investigação Científica Tropical of the University of Lisbon (Portugal).* 2017. <https://zookeys.pensoft.net/article/13351/>
- *Quo vadis biodiversity? Species richness following twenty years of taxonomic revisions on Afrotropical Galerucinae s. str. (Coleoptera, Chrysomelidae).* 2017. <https://zookeys.pensoft.net/article/14011/>

7. Revues en Sciences de la terre et Géographie

Cybergeo – Revue européenne de géographie (CNRS – Open Edition):
<https://journals.openedition.org/cybergeo/5020>

Pas d'IF 2018

- Publie différents types d'articles dont des *Data papers* et *Models Papers* depuis 2017 : <http://journals.openedition.org/cybergeo/28922>
- *Data papers* pertain to geographical databases with description of the scales, spatial features, GIS compatibility and geometry of the geographical elements forming the dataset, on top of the classic guidelines regarding sources of original records, data construction, methods and validation procedures.
- Instructions: <https://journals.openedition.org/cybergeo/5021#tocto1n6>
- Revue inscrite dans les listes de l'HCERES en Géographie et en Sciences de l'environnement
- **Revue en libre accès, publication gratuite**
- Exemples: <https://journals.openedition.org/cybergeo/28545>

Earth Perspectives (SpringerOpen): <http://earth-perspectives.springeropen.com/>

La revue n'est plus publiée depuis octobre 2017.

- Publie différents types d'articles dont des *Database articles* on Earth-Human interactions and their influence on major global cycles of water, energy, nutrients, ecosystems and associated services, environment, and health with a major focus on socioeconomic aspects and human decisions.
- Instructions for *Database articles*: <http://earth-perspectives.springeropen.com/submission-guidelines/preparing-your-manuscript/database-essays>
- **Revue en libre accès : coût de publication (2017) : 1100 Euros**
- Pas d'exemple.

Earth System Science Data (Copernicus Publication): <http://earth-system-science-data.net/>

IF 2018: **10.951; Q1 GeoSciences, Multidisciplinary (2/196); Q1 Meteorology & Atmospheric Sciences**

- Domaines: Biosphere (bio-geosciences, biodiversity, microbiology), Geosciences, Hydrology and Soil science, Atmosphere, Oceanography
- Publie différents types d'articles dont des *Data papers* mais pouvant contenir des résultats et une discussion.
- Innovative two-stage publication process involving the scientific discussion forum Earth System Science Data Discussions: http://www.earth-system-science-data.net/about/aims_and_scope.html
- Instructions aux auteurs : http://www.earth-system-science-data.net/for_authors/manuscript_preparation.html
- **Revue en libre accès : Publication gratuite (2018)**
http://www.earth-system-science-data.net/for_authors/article_processing_charges.html
- Exemples:
 - *Biophysics and vegetation cover change: a process-based evaluation framework for confronting land surface models with satellite observations.* 2018. <https://www.earth-syst-sci-data.net/10/1265/2018/>
 - *A high space-time resolution dataset linking meteorological forcing and hydro-sedimentary response in a mesoscale Mediterranean catchment (Auzon) of the Ardèche region, France.* 2017. <https://www.earth-syst-sci-data.net/9/221/2017/essd-9-221-2017.pdf>
 - *Global nitrogen and phosphorus fertilizer use for agriculture production in the past half century: Shifted hot spots and nutrient imbalance.* 2016. <http://www.earth-syst-sci-data-discuss.net/essd-2016-35/>

Geochemistry, Geophysics, Geosystems (American Geophysical Union – AGU - Wiley):

<https://agupubs.onlinelibrary.wiley.com/journal/15252027>

IF 2018: **2.946**; Q2 Geochemistry & Geophysics (28/84)

- Domaine: Earth and planetary processes with a focus on understanding the Earth as a system
- Publie différents types d'articles dont des *Technical Reports*: *Data* papers et des *Technical Reports: Methods* papers, mais ces articles peuvent contenir une partie Resultats/Discussion. <https://publications.agu.org/author-resource-center/paper-types/>
- Coût de publication (2019) sans libre accès : 500\$. Coût de l'option Open access (2019) : 3500 \$.
- Exemple
 - *The Southwest Indian Ocean Bathymetric Compilation (swIOBC)*. 2018.
<https://doi.org/10.1002/2017GC007274>

GeoHealth (American Geophysical Union – AGU - Wiley):

<https://agupubs.onlinelibrary.wiley.com/journal/24711403>

Pas d'IF en 2018 (revue très récente)

- Domaine: intersections of the Earth and environmental sciences and health sciences
- Publie différents types d'articles dont des *Technical Reports*: *Data* papers et des *Technical Reports: Methods* papers: <https://publications.agu.org/author-resource-center/paper-types/>
- *Technical Reports: Data* papers : describe important Earth and space science data sets and should provide an example of application to demonstrate the usefulness of the data. The data set may refer to experimental studies, lab measurements, modeling output, or observations.
- Revue en libre accès : coût de publication (2019): 1800 \$.
- Pas d'exemples à ce jour mais revue récente.

Geoscience Data Journal (Wiley): [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)2049-6060](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)2049-6060)

IF 2018: **2.667**; Q2 GeoSciences, Multidisciplinary (67/196); Q2 Meteorology & Atmospheric Sciences

- Domaines: Weather and Climate; Oceanography; Atmospheric and Ocean Chemistry; Cryosphere; Biosphere, Land Surface and Geology, Hydrology, Geochemistry, Geophysics, Planetary and Space Sciences...
- Instructions aux auteurs: <https://rmets.onlinelibrary.wiley.com/hub/journal/20496060/about/author-guidelines>
- Modèle : [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)2049-6060/homepage/ForAuthors.html#manuscript_style](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)2049-6060/homepage/ForAuthors.html#manuscript_style)
- Revue en libre accès : coût de publication (2019): 1500 \$.
- Exemples:
 - *The MaRIUS-G2G datasets: Grid-to-Grid model estimates of flow and soil moisture for Great Britain using observed and climate model driving data.* 2018.
<https://rmets.onlinelibrary.wiley.com/doi/10.1002/gdj3.55>
 - *Forest structures across Europe.* 2017. <https://rmets.onlinelibrary.wiley.com/doi/10.1002/gdj3.45>
 - *The CRE tambora.org – new data and tools for collaborative research in climate and environmental history.* 2016. <http://onlinelibrary.wiley.com/doi/10.1002/gdj3.30/abstract>

Open Geospatial Data, Software and Standards (Springer):

<http://opengeospatialdata.springeropen.com/>

Pas d'IF 2018

- forum for the science and technology of open data, crowdsourced information, and sensor web and related topics.
- Publie des *Database papers* et *Software papers* plutôt que des *Data papers*. Dans chaque cas, l'article doit contenir un « *case study* ». <http://opengeospatialdata.springeropen.com/submission-guidelines/preparing-your-manuscript/database-articles>
- Instructions for *Database papers*: <http://opengeospatialdata.springeropen.com/submission-guidelines/preparing-your-manuscript/database-articles>
- Revue en libre accès : coût de publication (2019): 840 €.
- Pas de *Database article* publié à ce jour, mais revue récente.
- Exemples de Software articles :
 - *Hypermap registry: an open source, standards-based geospatial registry and search platform.* 2018. <https://doi.org/10.1186/s40965-018-0051-x>
 - *Open source data mining infrastructure for exploring and analysing OpenStreetMap.* 2018. <https://doi.org/10.1186/s40965-018-0047-6>
 - *The VI-Suite: a set of environmental analysis tools with geospatial data applications.* 2017. <https://doi.org/10.1186/s40965-017-0036-1>
 - *Orfeo ToolBox: open source processing of remote sensing images.* 2016 <https://opengeospatialdata.springeropen.com/articles/10.1186/s40965-017-0031-6>

8. Revues sur l'environnement aquatique

Aquatic Data (Elsevier): <https://www.journals.elsevier.com/aquatic-data/>

Pas d'IF 2016 (revue toute nouvelle)

- Revue interrompue !!

Freshwater Metadata Journal: <http://www.freshwaterjournal.eu/>

Pas d'IF 2018

- New open access journal created within the EU-funded project *BioFresh* (Biodiversity of Freshwater Ecosystems: Status, Trends, Pressures, and Conservation Priorities: <http://project.freshwaterbiodiversity.eu/>), which integrated the freshwater biodiversity competencies and expertise of 19 research institutions.
- A fully automated process allows the publication of the datasets as a scientific paper in the *Freshwater Metadata Journal*, with a digital objective identifier (DOI) and made accessible on the website. The dataset information is then easily traceable and citeable like any other scientific article and will help increase recognition for the work.

Voir l'éditorial: http://www.freshwaterjournal.eu/issues/FMJ_2014_1.pdf

- Instructions aux auteurs: <http://data.freshwaterbiodiversity.eu/fmj/information.html#guidelines>
- Les données peuvent être déposées en même temps dans le portail *Freshwater Biodiversity Data Portal*: <http://data.freshwaterbiodiversity.eu/submitdata>.
- Revue en libre accès : Publication gratuite (2019)
- Exemples : http://data.freshwaterbiodiversity.eu/metadb/bf_mdb_fmjarticle.php

Water Resources Research (AGU - Wiley):

[http://agupubs.onlinelibrary.wiley.com/hub/journal/10.1002/\(ISSN\)1944-7973/](http://agupubs.onlinelibrary.wiley.com/hub/journal/10.1002/(ISSN)1944-7973/)

IF 2018: 4.142; Q1 Environmental Sciences (58/250); Q1 Water Resources (8/91)

- Domaine : natural and social sciences of water. It emphasizes the role of water in the Earth system, including physical, chemical, biological, and ecological processes in water resources research and management, including social, policy, and public health implications.
- Publie plusieurs types d'articles dont des « *Technical Reports: Data papers* » ; ce sont des articles plus complets que des *Data papers*: <https://publications.agu.org/author-resource-center/paper-types/>
- *Technical Reports: Data* describe important Earth and space science datasets and observations, including those that support innovative research and theoretical developments published elsewhere. Longueur max : 5000 mots avec une table ou illustration.
Papers should provide an example of application to demonstrate the usefulness of the data. The dataset may refer to experimental studies, lab measurements, modeling output, or observations.
- Pas de cout de publication, la revue n'est pas en libre accès. **Cout de l'option Open access (2019) : 2143 Euros.**
- Exemples :
 - *Shale Gas Well, Hydraulic Fracturing, and Formation Data to Support Modeling of Gas and Water Flow in Shale Formations.* 2018. <https://doi.org/10.1002/2017WR022130>
 - *Hydrometric Data Rescue in the Paraná River Basin.* 2018. <https://doi.org/10.1002/2017WR020897>
 - *Water quality data for national-scale aquatic research: The Water Quality Portal.* 2017. <http://onlinelibrary.wiley.com/doi/10.1002/2016WR019993/full>

9. Revues en Agronomie et Foresterie

Annals of Forest Science (Springer): <http://www.springer.com/life+sciences/forestry/journal/13595>

IF 2018: 2.633; Q1 Forestry (12/67)

- Publie différents types d'articles dont des *Data papers* en libre accès :
<http://www.springer.com/life+sciences/forestry/journal/13595/PSE?detailsPage=societies>
- *Data papers* aim at describing a dataset made accessible to a large community. The data paper will be the citable reference for the dataset and is a valuable scientific production. It provides all required information for a large use of the data. A data paper is completed by a metadata file that describes the dataset, and by the dataset itself, made available in an open repository.
- Publishing accurate and timely data papers and providing interesting, shared and reusable data is an important step towards open science. The data paper will contribute to your recognition as contributor to ongoing science.
- Voir le modèle de *Data paper*: <https://metadata-afs.nancy.inra.fr/ressources/>
- Publication gratuite avec les *Data papers* en libre accès.
- Exemples :
 - *A dataset of leaf inclination angles for temperate and boreal broadleaf woody species.* 2018. <https://doi.org/10.1007/s13595-018-0730-x>
 - *A spatio-temporal dataset of forest mensuration for the analysis of tree species structure and diversity in semi-natural mixed floodplain forests.* 2018. <https://doi.org/10.1007/s13595-018-0688-8>
 - *EuMIXFOR empirical forest mensuration and ring width data from pure and mixed stands of Scots pine (*Pinus sylvestris L.*) and European beech (*Fagus sylvatica L.*) through Europe.* 2017. <https://link.springer.com/article/10.1007/s13595-017-0660-z>
 - *A spatial dataset of forest mensuration collected in black pine plantations in central Italy.* 2017. <https://link.springer.com/article/10.1007/s13595-017-0648-8>

Applied Vegetation Science (Wiley):

<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291654-109X>

IF 2018: 3.568; Q1 Forestry (3/68); Q1 Plant Sciences (34/228); Q1 Ecology (41/164)

- Domaine: any community-level topic relevant to human impact on vegetation, including global change, nature conservation, nature management, restoration of plant communities and habitats of threatened plant species, and planning of semi-natural and urban landscapes. Vegetation survey, remote sensing, ecoinformatics, vegetation modelling are welcome.
- Publie différents types d'articles dont des "Report" that are not scientific papers, e.g. news items, the existence of databases, technical information, computer programs. Reports are typically two printed journal pages +/- electronic appendices.
- Instructions aux auteurs: <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291654-109X/homepage/ForAuthors.html>
- Publication gratuite, la revue pas en libre accès. Cout de l'option Open access (2019): 3167 €.
- Exemples :
 - *European Vegetation Archive (EVA): an integrated database of European vegetation plots.* 2016. <http://onlinelibrary.wiley.com/doi/10.1111/avsc.12191/full>
 - *The Tropical managed Forests Observatory: a research network addressing the future of tropical logged forests.* 2015. <https://doi.org/10.1111/avsc.12125>

Cahiers Agricultures (EDP sciences): <http://www.cahiersagricultures.fr/fr/>

IF 2018: 0.780; Q3 Agriculture, Multidisciplinary (38/56); Q3 Agronomy (63/89)

- Publie différents types d'articles dont des *Data papers*.
- **Revue en libre accès : publication gratuite.**
- Exemples :
 - *Explorer les liens entre agriculture et sécurité alimentaire : une enquête auprès des femmes du gouvernorat de Sidi-Bouzid en Tunisie.* 2018. <https://doi.org/10.1051/cagri/2018005>
 - *L'informel et le non-marchand dans les systèmes d'activités : enquête représentative sur les ménages kanak en tribus de Nouvelle-Calédonie.* 2018. <https://doi.org/10.1051/cagri/2018012>

Forest Ecosystems (Springer): <http://forestecosyst.springeropen.com/>

IF 2018: 1.852; Q2 Forestry (23/67)

- Publie différents types d'articles dont des *Database articles* on the structure and dynamics of "natural" and "domesticated" forest ecosystems, and their services to people.
- Instructions for *Database articles*: <http://forestecosyst.springeropen.com/submission-guidelines/preparing-your-manuscript/database-article>
- **Revue en libre accès : publication gratuite (2018)**
- Pas d'exemple

Journal of Vegetation Science (Wiley):

<http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291654-1103>

IF 2018: 2.944; Q1 Forestry (9/67); Q1 Plant Sciences (50/228); Q2 Ecology (51/164)

- Domaine: any aspect of vegetation science, e.g. community structure (including community assembly and plant functional types), biodiversity (including species richness and composition), spatial patterns (including plant geography and landscape ecology), temporal changes (including demography, community dynamics and palaeoecology) and processes (including ecophysiology), provided the focus is on increasing our understanding of plant communities. The journal publishes papers on the ecology of a single species only if it plays a key role in structuring plant communities.
- Publie différents types d'articles dont des "Report" that are not scientific papers, e.g. news items, the existence of databases, technical information, and computer programs. Reports are typically two printed journal pages +/- electronic appendices.
- Instructions aux auteurs: <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291654-1103/homepage/ForAuthors.html>
- **Publication gratuite**, revue pas en libre accès. **Cout de l'option Open access (2019): 3167 €.**
- Exemples :
 - *Global database of plants with root-symbiotic nitrogen fixation: NodDB.* 2018. <https://doi.org/10.1111/jvs.12627>
 - *BryForTrait – A life-history trait database of forest bryophytes.* 2018. <https://doi.org/10.1111/jvs.12646>
 - *A review of software tools for spell-checking taxon names in vegetation databases.* 2016. <https://doi.org/10.1111/jvs.12432>

Open Data Journal for Agricultural Research (Wageningen University)

<http://library.wur.nl/ojs/index.php/ODJAR/index>

Pas d'IF 2018

- Publie uniquement des *Data papers* sur tous types de jeux de données concernant l'agriculture, la sécurité alimentaire, le changement climatique, etc.
- Instructions aux auteurs: <http://library.wur.nl/ojs/index.php/ODJAR/about/submissions#authorGuidelines>
- Revue en libre accès : Publication gratuite.
- Exemples : <http://library.wur.nl/ojs/index.php/ODJAR/issue/archive>

10. Revues en Sciences de l'alimentation

European Journal of Lipid Science and Technology (Wiley):

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1438-9312](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1438-9312)

IF 2018: 1.852; Q2 Food Science & Technology (63/135)

- Publie différents types d'articles dont des *Data Reports* (Papers reporting comprehensive compositional data and/or other purely descriptive data valuable for further research or in (industrial) applications; Manuscripts presenting only marginal advancements, or reporting data such as fatty acid composition with no implications and/or clear conclusions will be rejected)
- Scope: ranging from lipidomics, nutrition and health to analytics, biotechnology and process engineering as well as chemistry and physical chemistry.
- Instructions for *Data Reports*: https://wol-prod-cdn.literatumonline.com/pb-assets/assets/14389312/EJLST_Instructions_to_Authors_2018-1519637641233.pdf
- La revue n'est pas en libre accès. Cout de l'option Open access (2019): 3150 €.
- Exemples:
 - *Fatty Acid Composition and Sterol Contents of Some Origanum Seed Oils.* 2018. <https://doi.org/10.1002/ejlt.201800094>
 - *Phenolics, fatty acids, and biological potential of selected Croatian EVOOs.* 2017. <https://doi.org/10.1002/ejlt.201700108>

Food Modelling Journal (Pensoft Publishers) <https://fmj.pensoft.net/>

Pas d'IF 2018

- Publie différents types d'articles dont des *Data papers*, des *Database papers* et des *software papers* in food science (food safety, food quality, food control, food defense, food design).
- Revue en libre accès : publication gratuite pendant 2 ans (2018-2020) grâce au projet [AGINFRA+](#) financé par l'Europe.
- Revue nouvelle : aucun article publié au 25 mars 2019.

International Journal of Food Contamination (SpringerOpen):

<http://foodcontaminationjournal.springeropen.com/about>

Pas d'IF 2018

- Publie des *Data articles* et *Database articles* on agricultural commodities used for food/feed production. Ici, les *Data articles* sont des articles complets avec *Results, Discussion/Conclusion*.
- Instructions aux auteurs : <http://foodcontaminationjournal.springeropen.com/submission-guidelines/preparing-your-manuscript/data-articles>
- Revue en libre accès : coût de publication (2019): 1570 Euros.
- Exemples : <http://foodcontaminationjournal.springeropen.com/articles>

11. Revues en SHS et Science économique

Economics: The Open-Access, Open-Assessment E-Journal - <http://www.economics-ejournal.org/>
IF 2018: 0.735; Q4 Economics (273/363)

- Publie différents types d'articles avec la possibilité de publier les jeux de données et les informations descriptives (métadonnées) dans un entrepôt de type *Dataverse*, où ils seront accessibles (exemples : <https://dataverse.harvard.edu/dataverse/economics>).
- Ce ne sont pas des *Data papers* mais des articles de recherche avec mise en ligne des jeux de données et possibilité de commentaires en ligne postés par des lecteurs.
- Instructions : <http://www.economics-ejournal.org/special-areas/data-sets>
- Revue inscrite dans la liste HCERES - Economie : classée C (janvier 2016).
- Revue en libre accès total : **publication gratuite (2018)**
- Exemples :
 - *Storage infrastructure and agricultural yield: evidence from a capital investment subsidy scheme.* 2018. <http://www.economics-ejournal.org/economics/journalarticles/2018-65>
 - *What Drives Long-term Oil Market Volatility? Fundamentals versus Speculation.* 2018. <https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/N4WGV3>
 - *The impacts of institutional quality and infrastructure on overall and intra-Africa trade.* 2018. <http://www.economics-ejournal.org/economics/discussionpapers/2018-75>

Economics Letters (Elsevier) : <http://www.journals.elsevier.com/economics-letters>

IF 2018: 0.876; Q3 Economics (245/363)

- Revue inscrite dans la liste HCERES - Economie : classée B (janvier 2016).
- Renvoie vers *Data in Brief* (le *Data journal* d'Elsevier) pour la publication de jeux de données.

International Economics (Elsevier) : <http://www.journals.elsevier.com/international-economics>

Pas d'IF 2018

- Revue inscrite dans la liste HCERES - Economie sous son titre français *Economie Internationale* : classée B (janvier 2016).
- Renvoie vers *Data in Brief* (le *Data journal* d'Elsevier) pour la publication de jeux de données.

Studies in Family Planning (Wiley): <https://onlinelibrary.wiley.com/journal/17284465>

IF 2018: 2.075; Q1 Demography (6/29) ; Q2 Public, Environmental & Occupational Health (55/164)

- Publie différents types d'articles dont des Data papers dans les domaines : public health, social science, and biomedical research on sexual and reproductive health, fertility, and family planning, with a primary focus on developing countries.
- Data Paper (< 2500 mots) describes a particular dataset (or group of datasets), including details on study design, such as sampling methods:
<https://onlinelibrary.wiley.com/page/journal/17284465/homepage/forauthors.html>
- La revue n'est pas en libre accès. **Cout de l'option Open access (2019): 2 500 €.**
- Exemples :
 - *Multiple Indicator Cluster Surveys: Delivering Robust Data on Children and Women across the Globe.* 2019. <https://doi.org/10.1111/sifp.12103>
 - *Tsogolo la Thanzi: A Longitudinal Study of Young Adults Living in Malawi's HIV Epidemic.* 2019. <https://doi.org/10.1111/sifp.12080>
 - *FPwatch: Facility-based Survey Data for Family Planning Market Analysis in Five FP2020-focus Countries.* 2018. <https://doi.org/10.1111/sifp.12077>

12. Revues en Informatique et Modélisation

Applied Informatics (SpringerOpen) <https://applied-informatics-j.springeropen.com/>

Pas d'IF 2018

- Publie différents types d'articles dont des *Database Articles* et des articles « méthodologique »
- La revue n'est plus publiée depuis décembre 2018.

Geoscientific Model Development (Copernicus Publication) <http://www.geoscientific-model-development.net/>

IF 2018: 5.154; Q1 Geosciences, Multidisciplinary (10/196)

- Scope: description, development, and evaluation of numerical models of the Earth system and its components.

Publie différents types d'articles (https://www.geoscientific-model-development.net/about/manuscript_types.html):

[Model description papers](#)

[Development and technical papers](#)

[Model experiment description papers](#) (Papers describing data sets designed for the support and evaluation of model simulations are within scope. These data sets may be syntheses of data that have been published elsewhere. The data sets must also be made available, and any code used to create the syntheses should also be made available).

[Model evaluation papers](#)

[Review and perspective papers](#)

- Revue en libre accès : Cout de publication (2019): entre 77 et 93 Euros par page.

Journal of Open Research Software (Ubiquity Press) <http://openresearchsoftware.metajnl.com/>

Pas d'IF 2018

- The software described in your metapaper must be placed in a publicly accessible repository. There are 2 main types of repository which have slightly different purposes:

- A source code repository holds many versions of the software as it being developed
 - A preservation or institutional repository will preserve a set of files deposited for the long term

Ideally the software will be available through both types of repository.

- Instructions aux auteurs et modèles en différents formats: <https://openresearchsoftware.metajnl.com/about/submissions/>

- Revue en libre accès : Cout de publication (2019): 350 Livres anglaises.

- Exemples :

- BEAT 3.0 – a Tool for Integrated Biodiversity Assessments. 2018. <http://doi.org/10.5334/jors.226>
 - CERF – A Geospatial Model for Assessing Future Energy Production Technology Expansion Feasibility. 2018. <http://doi.org/10.5334/jors.227>
 - ImageSURF: An ImageJ Plugin for Batch Pixel-Based Image Segmentation Using Random Forests. 2017. <http://doi.org/10.5334/jors.172>
 - Xanthos – A Global Hydrologic Model. 2017. <http://doi.org/10.5334/jors.181>

MorphoMuseuM – M3 <https://morphomuseum.com/>

Pas d'IF 2018

- Publishes 3D models of vertebrates, including models of type specimens, anatomy atlases, reconstruction of deformed or damaged specimens, and 3D datasets (see <https://doi.org/10.1017/scs.2017.14> for details).
- M3 comes along with a free software, **MorphoDig**, which contains a set of tools for editing, positioning, deforming, labelling, measuring and rendering sets of 3D surfaces.
- Instructions aux auteurs: <https://morphomuseum.com/instructionsToAuthors>
- Revue en libre accès : Cout de publication (2018): 100 Livres anglaises.
- Exemples : <https://morphomuseum.com/archives>