

**Open Science
Coffee Lectures**



Let's publish! Publishing Data

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Why publish research data?

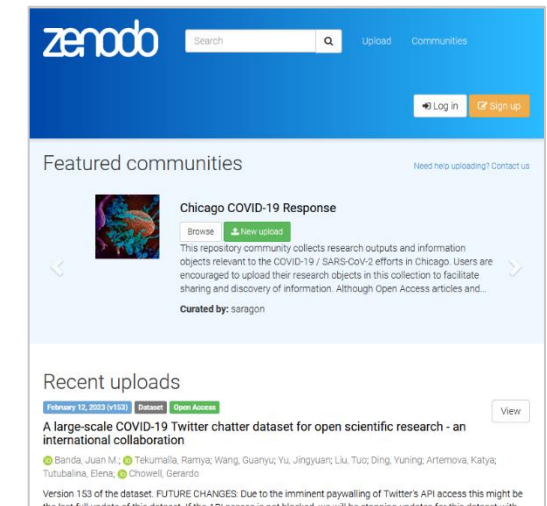
- You meet third party requirements (e.g., of your institution, research funder, publisher, ...).
- Your research gains transparency and replicability.
- Your scientific reputation increases.
- New collaborations and authorships may emerge.
- Your research data are findable and reusable for future research, avoiding duplicate efforts and unnecessary costs.
- Your data can be re-used in teaching.



SHARE & PUBLISH

Where to publish research data?

- **Option 1:** Supplement to a scientific article
 - **Option 2:** Publication in a research data repository
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- Types of research data repositories:
 - Multidisciplinary repositories
 - Subject-specific repositories, directory: re3data.org
 - Institutional repositories
 - Research data centres



Where to publish research data?

- **Option 3: Data journals**
 - Data journals publish articles that describe data sets.
 - The data itself is usually published in an external repository.
 - Data journals may have peer review and bibliometric indicators.
 - List of common data journals

The image shows two overlapping web pages. The background page is from Brill, displaying an article titled "Counting Couples: The Marriage Banns Registers of the City of Amsterdam, 1580–1810" in the journal "Research Data Journal for the Humanities and Social Sciences". The authors are René van Weeren and Tine De Moor, and the article was published online on July 7, 2021. The article is categorized under "Social and Economic History". The foreground page is from Erasmus University, showing a dataset titled "Dataset Ja, ik wil - Amsterdam marriage banns registers 1580-1810". It includes a search bar, a file viewer showing "JW data_versio... xlsx (66.8 MB)" and "Codebook Dat... pdf (385.01 kB)", and usage metrics: 890 views, 277 downloads, and 1 citation. The dataset is described as being part of a Citizen Science Project in cooperation with the Research Team Institutions for Collective Action.

How to publish data in a research data repository?

- Describe data with metadata (title, author, subject, abstract,...).
- Decide on level of access (embargo period, access restrictions, license,...).
- Upload data.
- Depending on the repository: data curators process metadata and research data.
- Persistent link to the dataset is generated.
- Dataset (or its metadata) is published.

The screenshot shows a web form for uploading data to a research repository. The form is divided into two main sections: 'Upload type' and 'Basic information'. The 'Upload type' section has a grid of icons representing different data types: Publication, Poster, Presentation, Dataset (selected), Image, Video/Audio, Software, Lesson, Physical object, Workflow, and Other. The 'Basic information' section contains several fields: 'Digital Object Identifier' with a text input and a 'Reserve DOI' button; 'Publication date' with a date picker set to '2023-02-13'; 'Title' with a text input; 'Authors' with fields for 'Family name, given', 'Affiliation', and an 'ORCID' field; and a 'Description' field with a rich text editor. The form is styled with a light blue header and a white body.

Upload type required ▾

Publication Poster Presentation Dataset Image Video/Audio Software Lesson Physical object Workflow Other

Basic information required ▾

Digital Object Identifier e.g. 10.1234/foo.bar
Optional. Did your publisher already assign a DOI to your upload? If not, leave the field empty and we will register a new DOI for you. A DOI allows others to easily and unambiguously cite your upload. Please note that it is NOT possible to edit a Zenodo DOI once it has been registered by us, while it is always possible to edit a custom DOI.
Reserve DOI

Publication date * 2023-02-13
Required. Format: YYYY-MM-DD. In case your upload was already published elsewhere, please use the date of first publication.

Title *
Required.

Authors * Family name, given Affiliation **ORCID** (e.g.: 0000-0001-8285-2489) Optional.
[+ Add another author](#)

Description *

How to choose a data publication strategy?

- What is your motivation to publish research data?
- What are the external requirements?
- What data do you want to publish?
- What standards exist in your field?
- How much time can you invest in preparing data for publication?
- What is important to you when publishing data?
 - Embargo period
 - Open licence for re-use
 - Access restrictions and re-use conditions
 - Data curation



Coming soon – Data publications on your publication list

2014

Rico, Sergio; Yepes, Ana; Rodríguez, Héctor; Santamaría, Jorge; Antoraz, Sergio; Krause, Evamaria; Díaz, Margarita; Santamaría, Ramón I. (2014): Regulation of the AbrA1/A2 two-component system in *Streptomyces coelicolor* and the potential of its deletion strain as a heterologous host for antibiotic production. In: *PLoS ONE* 9 (10). DOI: 10.1371/journal.pone.0109844

[PDF](#) | [BibTeX](#) | [RIS](#) | [DOI](#)

Krause, Evamaria (2014): Small changes in pH have direct effects on marine bacterial community composition: a microcosm approach [Data set]. In: PANGAEA - Data Publisher for Earth & Environmental Science Bremerhaven: Alfred Wegener Institute. DOI: 10.1594/PANGAEA.832471

[BibTeX](#) | [RIS](#) | [DOI](#)

Research data for publication: Small Changes in pH Have Direct Effects on Marine Bacterial Community Composition: A Microcosm Approach, DOI: <https://doi.org/10.1371/journal.pone.0047035>

University Library Services

- Local research data management (RDM) team at the University Library.
- We offer advice and support on:
 - external subject-specific RDM services
 - data management plans for funding applications
 - publishing and re-using research data



<https://www.uni-augsburg.de/bibliothek/fdm/>

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- Van Weeren, R., & De Moor, T. (2021). Counting Couples: The Marriage Banns Registers of the City of Amsterdam, 1580–1810, Research Data Journal for the Humanities and Social Sciences, 6(1), 1-45. doi: <https://doi.org/10.1163/24523666-06010002>: Slide 4
- Zenodo upload form: Slide 5