eurecat
Centre Tecnològic de Catalunya

Training of Trainers 2nd. session

Autonomous training courses

March, 8th, 2022

Introduction

Despite the main educational approach chosen by the project to train future researchers was Problem Based Learning (PBL), the consortium also propose autonomous training materials to be used in diverse scenarios.

This autonomous courses could be used in a complementary way with the PBL sessions.

First course available is:
HOW TO CHOOSE THE RIGHT JOURNAL TO PUBLISH?

General objective

The goal of the course is to learn how to analyze and compare scientific journals and target the most appropriate for your work and for you.

Choosing the wrong journal may lead to fast rejection, delayed publication, and waste of time/resources. Targeting the best journal is a complex issue, compounded by the increasing numbers of journals and the emerging changes in the publishing landscape.

Choosing the right journal for our case study is a difficult task that even for experienced researchers when submitting a work to a journal.

Main characteristics of the courses

- Target: Early-career researchers, PHD and Post-Doc in STEM disciplines
- Timing: At your pace. The course estimated workload is 30 hours in total.
- Language: English
- Learning materials: Participants are granted to the course platform to get access to training materials and references.
- Enrolment: The course is free.
- Where to enroll: https://www.training.brainatworkproject.eu

Some details: Who is this course for?

The course is addressed to early-career researchers, PHD and Post-Doc in STEM disciplines and includes the following steps:

- Step 1: Prepare the manuscript
- Step 2: Define the type and scope of the manuscript
- Step 3: Define the type and scope of potential journals
- Step 4: Define subjective criteria or personal aims
- Step 5: Select a Journal
- Step 6: Activity about handling journal rejection
- References and Glossary

Some details: Specific objectives

At the end of the course learners will be able to:

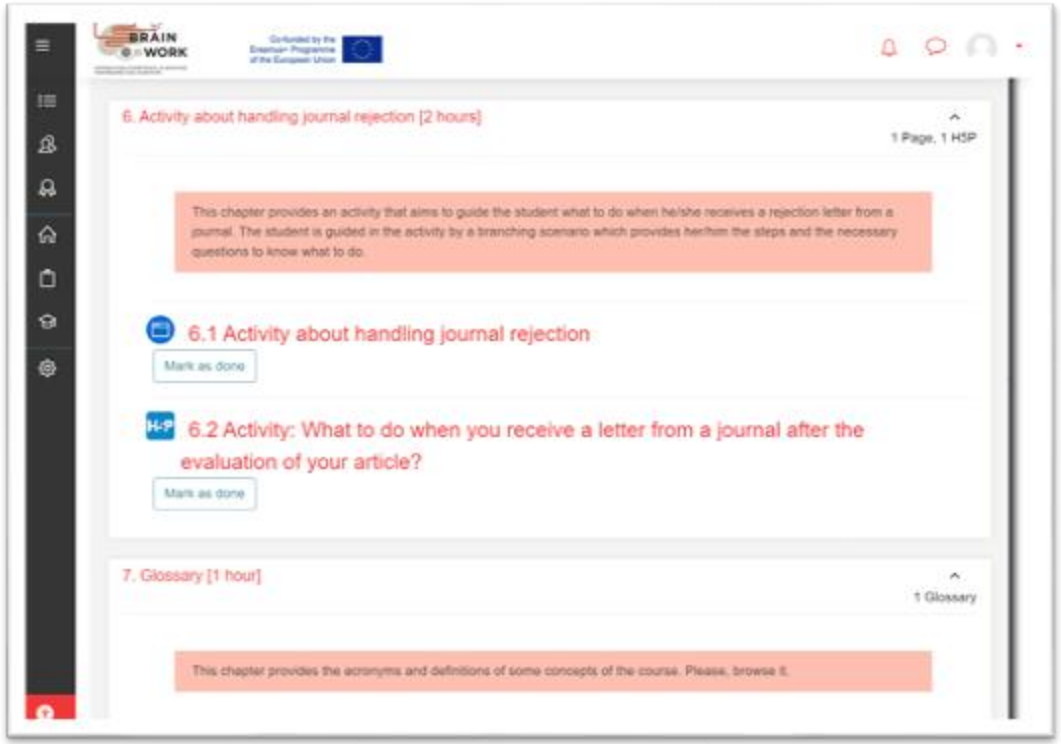
- Find scientific journals by topic or discipline
- Evaluate the quality of scientific journal
- Acknowledge the news issues in research assessment practices
- Acquire effective strategies
- Acquire awareness about habits and behaviour in this field.

Some details: How it looks like?

Course main page

Some details: How it looks like?

Course navigation



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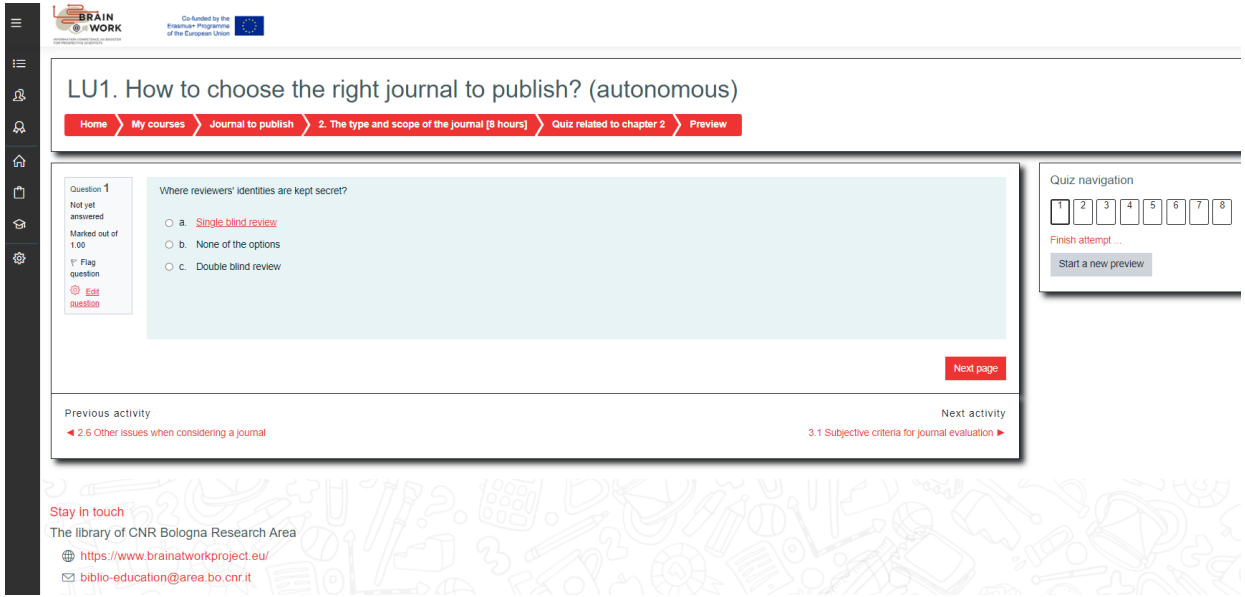
Course activities



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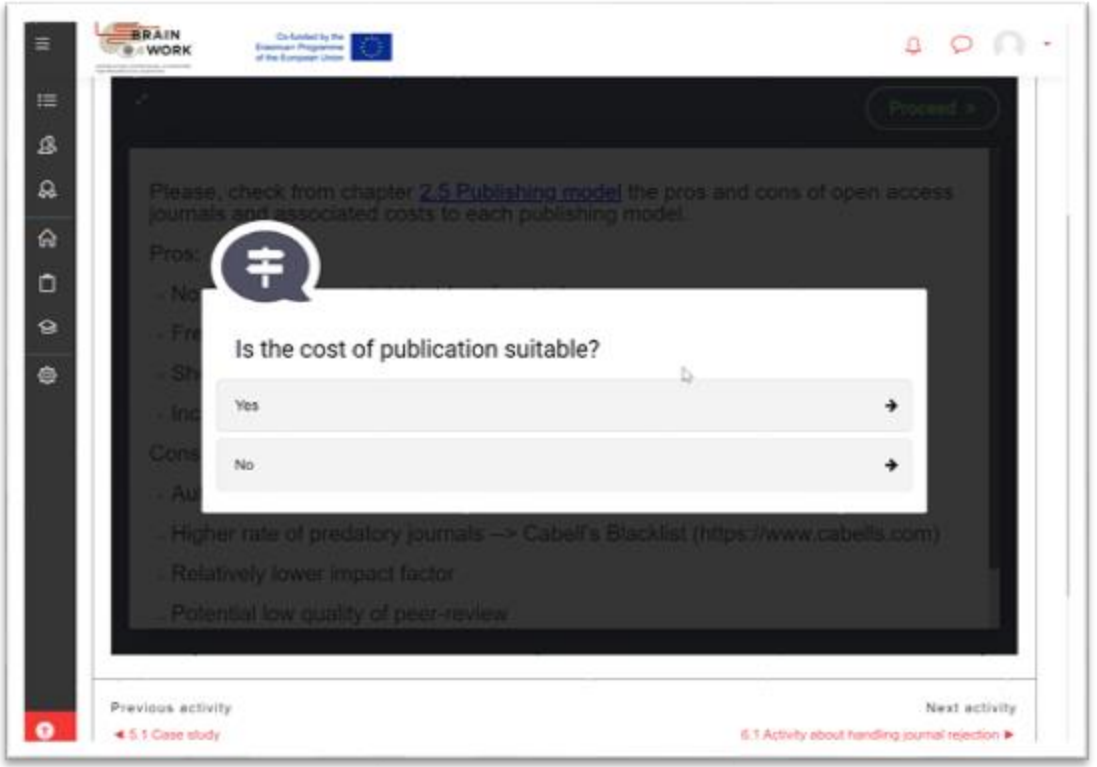
Course activities



References

[1] Bahadoran, Z., Mirmiran, P., Kashfi, K., & Ghasemi, A. (2020). Scientific Publishing in Biomedicine: How to Choose a Journal?. International journal of endocrinology and metabolism, 19(1), e108417. https://doi.org/10.5812/ijem.108417

[2] Webminar: Help your research flourish: find the best-fit journal for your manuscript. https://clarivate.com/webofsciencegroup/campaigns/help-your-research-flourish-find-best-fit-journal-for-your-manuscript

[3] Thompson, P. J. (2007). How to choose the right journal for your manuscript. Chest, 132(3), 1073-1076. https://journal.chestnet.org/article/S0012-3692(15)36678-2/fulltext

[4] El-Omar, E. M. (2014). How to publish a scientific manuscript in a high-impact journal. Advances in Digestive Medicine, 1(4), 105-109. https://www.sciencedirect.com/science/article/pii/S2351979714000838

[5] Woolley, K. L., & Barron, J. P. (2009). Handling manuscript rejection: insights from evidence and experience. Chest, 135(2), 573-577. https://core.ac.uk/download/pdf/15127289.pdf

[6] Shoja, M. M., Walker, T. P., & Carmichael, S. W. (2019). How to Find a Suitable Journal for Your Manuscript. A Guide to the Scientific Career: Virtues, Communication, Research and Academic Writing, 389-402. https://onlinelibrary.wiley.com/doi/abs/10.1002/9781118907283.ch42

Second course on development

Second course available would be:

Publishing open data

Making data public opens opportunities to get academic credit for collecting and curating data during the research process

Access to data accelerates progress. According to the 2019 State of Open Data report, more than 70% of researchers use open datasets to inform their future research.

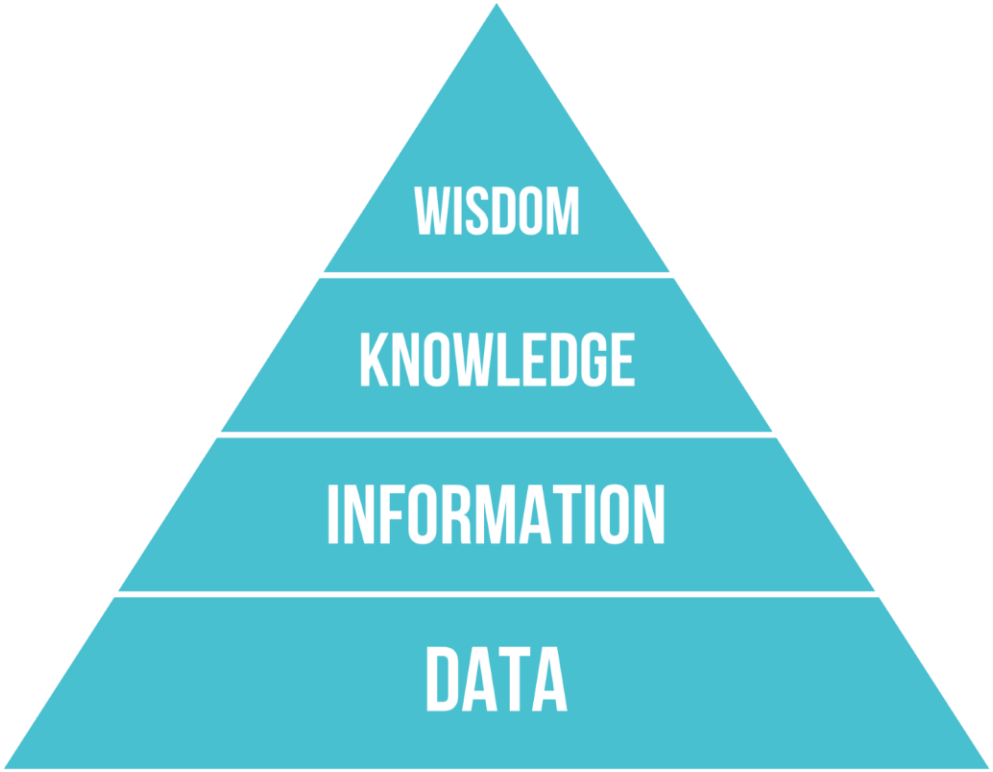
Publishing open data

- Chapter 1. Introduction to Open Data
- Chapter 2. Steps for data publishing
- Chapter 3. Publish in the best place: Creating a dataset with a doi through Zenodo or other journals / platforms
- Chapter 4. Describe your data
- Chapter 5. Use the best file format: 5-star Open Data
- Chapter 6. Licenses to publish the data
- Chapter 7. References

Publishing open data

Figure 1. Data extracted from https://opendatabarometer.org

Publishing open data



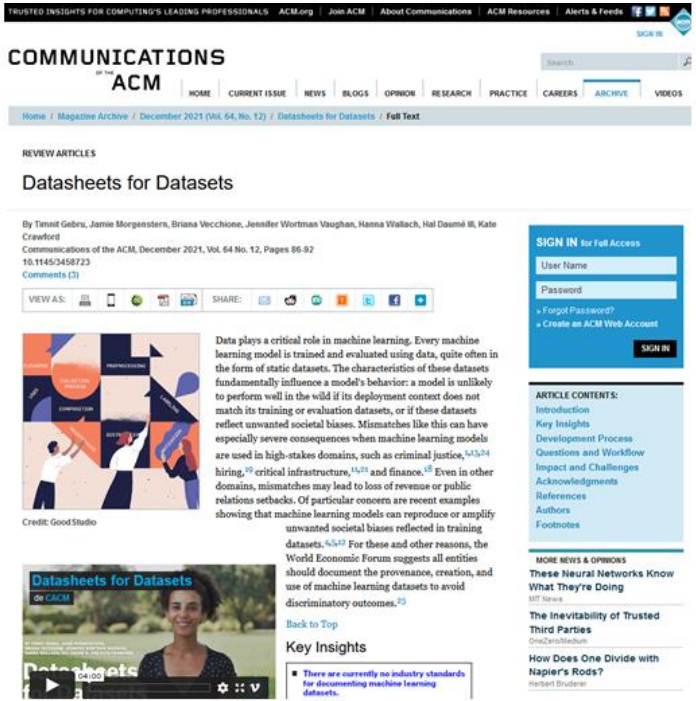
Publishing open data

- Determine if you can publish your data: Before you decide to publish your data, check to ensure your legally and ethically allowed to.
- Publish in the best place: There are many places to publish data. It's up to you to decide if you want to publish in a discipline specific repository that contains data like yours, the University's institutional repository, or a general repository such as Figshare.
- Describe your data: Publishing a thorough description of your data along with the dataset means that others will be able to understand and reuse your data.
- Use the best file format: choosing an open or standard file format means that everyone will be able to open your dataset.
- License your data: Applying a licence to your data enables others to understand how your data can be used.
- Get a persistent identifier: Persistent identifiers, like DOIs and ORCiDs, are the easiest way of linking items together, such as a dataset to a related publication. They also make your data easier to cite and enable you to measure the reuse of your data through metrics.

Publishing open data

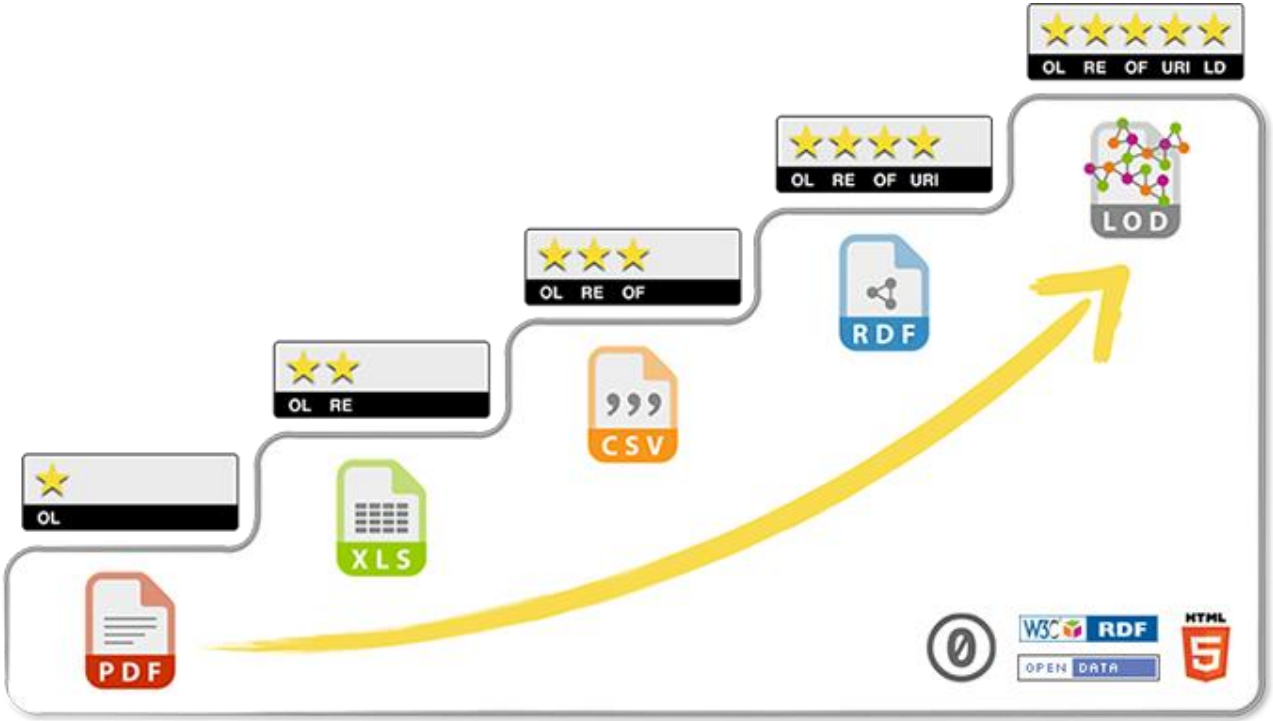
- Zenodo
- Scientific Data (nature.com)
- Data in Brief - Journal - Elsevier
- Data | An Open Access Journal from MDPI
- Datasets Documentation | Kaggle

Publishing open data



https://cacm.acm.org/magazines/2021/12/256932-datasheets-for-datasets/fulltext

Publishing open data



Publishing open data

- More courses and references available at https://theodi.org/events/courses/
- Wiki about publishing open data https://www.wikidata.org/wiki/Wikidata:Open_data_publishing
- FAIR Tools https://www.fairsfair.eu/tools-software

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Thank you

info@eurecat.org
www.eurecat.org