RSM & ESE Open Science Survey 2021

Start of Block: Introduction

**RSM & ESE Open Science Survey 2021**  
   
 Questions were adapted using the [Swinburne Open Science Survey.](https://osf.io/vpwf7/) **Introduction to Project and Invitation to Participate**  
 You are invited to participate in this anonymous survey examining how researchers perceive and use "open science" practices, including sharing data, preregistering research plans, and publishing in open access journals. Whether or not you are experienced in using open science practices, or fully understand what might be possible in your discipline, your opinion will help inform RSM & ESE’s approach to embracing and supporting Open Science practices in the future.   
   
 **Participant rights and interests: Free Consent/Withdrawal from Participation**  
 Participation is entirely voluntary. There will be no consequences to your decision to participate or to not participate. Your consent to participate is implied by your completion and submission of the anonymous survey. If you choose to participate and then change your mind, you can withdraw from participation simply by not completing the survey. All multiple choice questions must be answered, but you may choose not to answer specific questions on the survey by selecting "I don’t know/prefer not to answer" option.  
   
 **Participant rights and interests: Privacy & Confidentiality**  
 During data collection only the project's principal investigators (Dr. Lizette Guzman-Ramirez, ERIM Research Data Steward & Dr. Antonio Schettino, ERS Open Science Coordinator) will have access to the survey data. This information is collected separately from (and will not be matched with) your survey responses. Anonymised results will be publicly available in the future  
   
 This survey takes between 8 to 15 minutes of your time. Please, click "Next" to start the survey.

End of Block: Introduction

Start of Block: Demographic Information

Q1.1 Which faculty are you from?

* Erasmus School of Economics (ESE) (1)
* Rotterdam School of Management (RSM) (2)

Display This Question:

If Q1.1 = 2

Q1.2 Which department are you affiliated to?

* Accounting and control (1)
* Business-society management (2)
* Finance (3)
* Marketing management (4)
* Organisation & personnel management (5)
* Strategic management & entrepreneurship (6)
* Technology & operation management (7)

Display This Question:

If Q1.1 = 1

Q1.2 Which department are you affiliated to?

* Applied economics (1)
* Business economics (2)
* Econometrics (3)
* Economics (4)

Q1.3 What is your position?

* PhD student (1)
* Postdoc or researcher (2)
* Tenure track (3)
* Tenured faculty member (4)

Q1.4 Are you member of any research institute affiliated with RSM or ESE?

* ERIM (1)
* Tinbergen (2)
* Neither (3)

End of Block: Demographic Information

Start of Block: Open Science

**Open Science** [Open Science](https://libguides.ucd.ie/openaccess/opensci) can be defined as: "the practice of science in such a way that others [beyond the research team] can collaborate and contribute, where research data, lab notes, and other research processes are freely available, under terms that enable reuse, redistribution, and reproduction of the research and its underlying data and methods."

Q2.1 What is your experience with open science practices?

* Until now, I was unaware of open science practices (1)
* I am aware, but have not used open science practices in my research (2)
* I have some experience with open science practices (3)
* I have extensive experience with open science practices (4)
* I don’t know/prefer not to answer (5)

End of Block: Open Science

Start of Block: Preregistration

**Study Preregistration (preregister)** Study Preregistration (preregister) means that prior to collecting actual data, we share the introduction, methods, and analyses of our work with others. This time-stamped document is made openly available by the time the research is published so that any deviation from the original research plan is visible to the scientific community.

Q3.1  In your opinion, how important for your field is it that researchers preregister their studies?

* Extremely important (1)
* Very important (2)
* Moderately important (3)
* Slightly important (4)
* Not at all important (5)
* I don’t know/prefer not to answer (6)

Q3.2 What is your experience with study preregistration?

* Until now, I was unaware of study preregistration (1)
* I am aware of study preregistration, but have not used it in my research (2)
* I have some experience with study preregistration, but do not use it regularly (3)
* I regularly preregister my studies (4)
* I don’t know/prefer not to answer (5)

Q3.3 The following are possible concerns that researchers could have about preregistering their studies.   
Which of these concerns would apply to you? Select all suitable options

* It might delay data collection (1)
* I need to look at my data before I can decide how to best analyse it (2)
* Preregistration prevents exploratory research (3)
* Preregistration stifles research creativity or flexibility (4)
* Preregistration might lead to other people taking my research idea and implementing my plan (5)
* Preregistration might make it more difficult to find statistically significant results (6)
* Preregistration might make it more difficult to publish in certain journals (7)
* I do not share any of these concerns (8)
* I don’t know/prefer not to answer (9)
* Other (10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Q3.2 = 4

Q3.2.1 What is the total number of preregistered studies that you have conducted?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Preregistration

Start of Block: Open Code

**Open Materials and/or Code** Open Materials and/or Code refers to researcher-created resources used while collecting or analyzing data (e.g., survey questions, video stimuli, vignettes, algorithms, coding schemes, analytic code, etc.) that are made openly available to the research community.

Q4.1 In your opinion, how important for your field is it that materials and/or code are openly available?

* Extremely important (1)
* Very important (2)
* Moderately important (3)
* Slightly important (4)
* Not at all important (5)
* Researchers in my discipline do not use materials and/or code (6)
* I don’t know/prefer not to answer (7)

Q4.2 What is your experience with using open materials and/or code?

* Until now, I hadn't heard of open materials and/or code (1)
* I am aware of open materials and/or code, but have not used it in my research (2)
* I have some experience with open materials and/or code, but do not use them regularly (3)
* I regularly use and/or create open materials and/or code (4)
* I don’t know/prefer not to answer (5)

Q4.3 What is your experience with sharing open materials and/or code?

* Until now, I hadn't heard of open materials and/or code (1)
* I am aware of open materials and/or code, but have not shared my own (2)
* I have some experience with open materials and/or code, but do not share mine regularly (3)
* I regularly share open materials and/or code (4)
* I don’t know/prefer not to answer (5)

Q4.4 The following are possible concerns that researchers could have about making their materials and/or code openly available. Which of these concerns would apply to you? Select all suitable options.

* Other researchers might criticise my materials and/or code (1)
* Other researchers might find errors in my published work (2)
* Others might find it difficult to understand my materials and/or code (3)
* Reuse of my materials and/or code could violate the epistemological framework of my research (4)
* Sharing these materials and/or code could result in others asking me to provide assistance for their research (5)
* I might lose control over how my materials and/or code are being used (6)
* I might not receive appropriate credit for developing the materials and/or code if I make them openly available (7)
* There could be issues related to intellectual property (8)
* I do not share any of these concerns (9)
* I don’t know/prefer not to answer (10)
* Other (11) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Open Code

Start of Block: Open Data

**Open Data** [Open Data](https://www.fosteropenscience.eu/taxonomy/term/110) can be defined as: "online, free of cost, accessible data that can be used, reused, and distributed provided that the data source is attributed and shared alike."

Q5.1 In your opinion, how important for your field is it that data from published research are openly available?

* Extremely important (1)
* Very important (2)
* Moderately important (3)
* Slightly important (4)
* Not at all important (5)
* I don’t know/prefer not to answer (7)

Q5.2 What is your experience with using open data?

* Until now, I was unaware of open data (1)
* I am aware of open data, but have not used this in my research (2)
* I have some experience using open data, but do not use them regularly (3)
* I regularly use open data (4)
* I don’t know/prefer not to answer (5)

Q5.3 What is your experience with sharing open data?

* Until now, I was unaware of open data (1)
* I am aware of open data, but have not shared my data (2)
* I have some experience sharing open data, but not regularly (3)
* I regularly share open data (4)
* I don’t know/prefer not to answer (5)

Q5.4 The following are possible concerns that researchers could have about making their data openly available. Which of these concerns would apply to you? Select all suitable options.

* Other researchers might criticise my data and/or research practices (1)
* There could be issues related to intellectual property (2)
* There could be issues related to ethics (3)
* There could be issues related to privacy (4)
* I think it is unfair for researchers beyond the original team to benefit (e.g., through future publications, career advancement) from my data collection (5)
* I might not receive appropriate credit for my data collection (6)
* I might lose control over how my data are being used (7)
* Other researchers could use my data for another study that I intended to conduct in the future (8)
* It devalues research data collection (9)
* It will take too much time or effort to share research data (10)
* I do not share any of these concerns (11)
* I don’t know/prefer not to answer (12)
* Other (13) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Open Data

Start of Block: Pre-publication archiving

**Pre-publication archiving** Pre-publication archiving (also known as preprint archiving) refers to making a manuscript openly available before it undergoes peer review in an academic journal or other outlet. Generally, this is achieved by uploading the manuscript to an archive such as arXiv (physics, maths), bioRxiv (biology), SocArxiv (sociology), etc.

Q6.1 In your opinion, how important is pre-publication archiving for your field?

* Extremely important (1)
* Very important (2)
* Moderately important (3)
* Slightly important (4)
* Not at all important (5)
* I don’t know/prefer not to answer (6)

Q6.2 What is your experience with pre-publication archiving?

* Until now, I was unaware of "pre-publication archiving" (1)
* I am aware of pre-publication archiving but have not used it (2)
* I have some experience with pre-publication archiving (3)
* I have extensive experience with preprint archiving (4)
* I don’t know/prefer not to answer (5)

Q6.3 The following are possible concerns that researchers could have about uploading a manuscript to a pre-publication archive before submitting it for peer review.   
Which of these concerns would apply to you? Select all suitable options.

* Some journals might not publish findings that are uploaded to a pre-publication archive (1)
* Other people might copy my research and publish it before I do (2)
* Non-peer-reviewed findings might add noise to the literature (3)
* Making my work available pre-publication might reduce the number of citations to the ultimately published work (4)
* Availability of the pre-publication manuscript might highlight differences (e.g., errors in analysis; revisions to hypotheses) between the original conception of the research and the ultimately published work (5)
* I do not share any of these concerns (6)
* Other (7) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Pre-publication archiving

Start of Block: Open Access (OA) publishing

**Open Access (OA) publishing**There are two basic models for Open Access (OA) publishing: 1. Pay your publisher a fee (an Article Processing Charge) to make the final version of record available for OA in a peer-reviewed journal. Journal may be fully OA, or offers a hybrid OA option (i.e. only your article is released for OA). 2. Publish on a normal contract in a peer-reviewed journal, and deposit the final accepted version of your manuscript (peer-reviewed but not journal formatted) in an institutional (e.g., EUR RePub) repository or a preprint repository such as arXiv, bioRxiv, SocArxiv, etc. This is known as Green OA or self-archiving.

Q7.1 Approximately what proportion of your publications from the last 5 years are open access

* All (1)
* Most (2)
* Half (3)
* Some (4)
* None (5)
* I don’t know/prefer not to answer (6)

Q7.2 Many open access journals charge a fee for processing the article for publication. How have you managed payment of these fees? Select all suitable options

* My open access publications did not involve fees (1)
* It was paid under the "blanket agreement" between VSNU and selected academic publishers (9)
* It was paid using the Erasmus Open Access Fund (11)
* I paid the fees from my own research fund (2)
* I collaborated with others and other co-author paid the fees with their research funding (3)
* I paid the fees with my personal money (4)
* I could not afford to pay the fees and withdrew the manuscript (5)
* I received a fee waiver from the journal (6)
* I submit my research to journals that do not provide open access options (12)
* I don’t know/prefer not to answer (7)
* Other (8) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Open Access (OA) publishing

Start of Block: Awareness & expectations

Q8.1 Please indicate your awareness of each of the open science resources listed below. If there are other resources that you use or are aware of, please enter them in the "other" box at the bottom of the table.

|  |  |  |  |
| --- | --- | --- | --- |
|  | I am unaware of this (6) | I am aware of it, but don't use it (7) | I use this (8) |
| Open Science Framework (1) |  |  |  |
| GitHub (2) |  |  |  |
| EUR data repository/Figshare (4) |  |  |  |
| 4TU Center for Research Data (5) |  |  |  |
| EUR SurfDrive (6) |  |  |  |
| EUR Dropbox (not personal) (7) |  |  |  |
| FAIR data principles (9) |  |  |  |
| EUR RePub (10) |  |  |  |
| Zenodo (11) |  |  |  |
| Other 1 (3) |  |  |  |
| Other 2 (12) |  |  |  |

Q8.2 During March 2021 ERIM launched an ORCID campaign. Did you participate in it and got your own ORCID iD?

* Yes, I participated and got an ORCID iD (1)
* Yes, I participated but did not get an ORCID iD (4)
* No, I did not participate since I already had an ORCID iD (5)
* No, I did not participate and I do not have an ORCID iD (6)
* I don't know/prefer not to answer (2)

Q8.3 The following are possible barriers to the uptake of open science practices. Please place a tick beside any statement that you agree is a barrier in your field. Select all suitable options.

* Lack of funding for open access publishing (1)
* Lack of credit in my institution for engaging in open science (2)
* Lack of recognition in my field about the value of open science practices (3)
* Lack of mandates from funders, institutions or other regulators (4)
* Lack of information about open science practices (5)
* Lack of professional staff that provide support for open science practices (6)
* Lack of research funding to support open science practices (7)
* Lack of training required to implement open science practices (8)
* Lack of supporting infrastructure (e.g., open data platforms) (9)
* Lack of time to engage in open science practices (10)
* Lack of time to learn open science practices (11)
* Lack of expertise to engage in open science practices (e.g., assignment of metadata) (12)
* Researchers are discouraged from engaging in open science practices by their colleagues (13)
* PhD students are discouraged from engaging in open science practices by thesis supervisors (14)
* The open science community is intimidating (15)
* Researchers don't want to be told how to do their research (16)
* Lack of interest from researchers (17)
* I do not perceive any barriers (18)
* I don’t know/prefer not to answer (19)
* Other (20) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q8.4 Are you sharing your knowledge about open science practices with others?   
Select all suitable options

* No (1)
* Yes, I share my knowledge with my colleagues informally (2)
* Yes, I share my knowledge with my colleagues by offering seminars and/or giving talks (3)
* Yes, I share my knowledge with my students or fellow research students (4)
* Yes, I teach open science practices in postgraduate units (5)
* Yes, I teach open science practices in undergraduate units (6)
* Yes, I share my knowledge with others through forum discussions (e.g. Facebook groups) (7)
* Yes, I share my knowledge with others through writing posting (e.g. blogs, webs, magazines) (8)
* I don’t know/prefer not to answer (9)
* Other (10) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q8.5 Do you expect that ERIM supports you in learning open science practices?

* No (1)
* Yes (2)
* I don’t know/prefer not to answer (3)

Display This Question:

If Q8.5 = 2

Q8.6 Which of the following open science practices would you like ERIM to provide information or support for?Select all suitable options.

* Preregistration (1)
* Open Materials and/or Code (2)
* Open Data (6)
* Pre-publication archiving (3)
* Open access publishing (4)
* Open access archiving in a repository (5)
* None (7)
* I don’t know/prefer not to answer (8)
* Other (9) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: Awareness & expectations