



Acronym: TRAINRDM  
Name: Open Science and Research Data Management Innovative and Distributed Training Programme  
Call: ERASMUS+ KA2 “Cooperation among organisations and institutions”  
Contract no: 2020-1-RO01-KA203-080170  
Start date: 01 November 2020  
Duration: 30 months

## IO1: RDM & OS TRAINING METHODOLOGICAL TOOLKIT

Nature<sup>1</sup>: P  
Dissemination level<sup>2</sup>: PU  
Due date: M15 (January 2022)  
Partners involved (leader underlined): UPB, TUW, NCI, DTSL, SAPIENZA, ICI

Project Partners:



SAPIENZA  
UNIVERSITÀ DI ROMA



<sup>1</sup>L = legal agreement, O = other, P = plan, PR = prototype, R = report, U = user scenario

<sup>2</sup>PU = Public, PP = Restricted to other programme participants (including the Commission Services), RE = Restricted to a group specified by the consortium (including the Commission Services), CO = Confidential, only for members of the consortium (including the Commission Services)

## List of participants

Participant No *	Participant organisation name	Acronym	Country
1 (Coordinator)	Universitatea Politehnica din București	UPB	RO
2	Technischen Universität Wien	TUW	AT
3	National College of Ireland	NCI	IE
4	Digital Technology Skills Ltd	DTSL	IE
5	Università degli Studi di Roma “La Sapienza”	SAPIENZA	IT
6	ICI București	ICI	RO

### Revision history:

Rev	Date	Partner	Description	Name
1	10/Jan/2022	NCI	Created the template, added sections and content on behalf Irish partners	Horacio González-Vélez
2	21/Jan/2022	DTSL	Provided results for Part 1 and Part 2 of the Survey	Dave Feenan
3	21/Jan/2022	DTSL	Full review and proofread	Dave Feenan
4	28/Jan/2022	NCI	Final changes incorporated	Horacio González-Vélez

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# 1

## Introduction

Describing the capacity building stage for the TRAINRDM at a strategic level, the TRAINRDM Research Data Management (RDM) and Open Science (OS) Training Methodological Toolkit enables to understand the connection between staff competencies, skills requirements, and quality early-career researcher (ECR) mobility in Higher Education Institutions (HEIs). Furthermore, it links the TRAINRDM internationalisation strategy of any participating institution and human capital initiatives.

Independent from any present or future financial or organisational support and infrastructure, the RDM & OS TRAINING METHODOLOGICAL TOOLKIT is designed to translate the TRAINRDM RDM and OS results into actual practice at any given European institution. We will therefore present specific examples for physical and virtual formats of training in RDM and OS aimed at ECRs and staff. Its ultimate aim is to provide informed guidance on how to improve the skills and competencies in RDM and OS of ECRs and staff.

### 1.1 About the TRAINRDM Project

Open Science (OS) has opened up new ways in which research, education, and innovation are undertaken, archived, curated, and disseminated across the globe. It is not about dogma *per se*, but about greater efficiency and productivity, more transparency, and a better response to interdisciplinary research needs.

However, OS requires a cultural change in academic institutions, including the acquisition of new knowledge and skills in fields like open access publishing and research data sharing. Early Career Researchers (ECRs)—including MSc and PhD Students—have to arguably be harbingers of change within the traditional system of academic science and publishing. While OS can be a key factor driving this change, it may take more time than expected unless fostered especially regarding practices. Therefore a favourable, rewarding environment is required where there are opportunities to acquire awareness and knowledge and develop OS relevant skills.

In their advice paper on OS and the role of universities [1], the League of European Research Universities (LERU) highlights the *Education and Skills* training of all people in the universities as key within the eight OS ambitions defined by the European Commission priority policy <sup>1</sup>:

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<sup>1</sup>[https://ec.europa.eu/info/research-and-innovation/strategy/strategy-2020-2024/our-digital-future/open-science\\_en](https://ec.europa.eu/info/research-and-innovation/strategy/strategy-2020-2024/our-digital-future/open-science_en)

*All scientists in Europe should have the necessary skills and support to apply open science research routines and practices.*

Many HEIs have consequently developed and delivered their own training on OS, while others have worked with external providers. LERU states that OS skills training should be firmly embedded—in online progress tools or similar study management and supervisory systems—and should be acknowledged in professional development and career progression. Universities should therefore integrate OS concepts and their practical applications in educational and skills development programmes, analysing and mapping their needs for skills training and taking into account the different OS dimensions and the varying needs of different audiences, different disciplines, etc.

On the one hand, LERU identifies five essential dimensions for OS training [2]:

*“Clearly, there is an evident need for skills training with regard to scholarly publishing and research data management; those are the areas of Open Science in which universities tend to invest most at the moment. Also, research integrity and ethics courses, and increasingly, citizen science courses, are important”.*

The report insists that such training should be tailored to the specific needs, resources and requirements of the audience, including a large variety of formats such as in-person or distance, classroom, webinars, blended or not.

On the other hand, the European Commission working group [3] defines OS skills and expertise needs for researchers so that skilled talent can publish under open access, manage (open) research data, conduct professional research (including research management, legal expertise, ethics and integrity) and engage with citizen science. The report recommends the introduction of open science education and training tailored for students and ECRs, to encompass an open research environment.

*“ Institutions should offer and promote both traditional and/or online career-level appropriate Open Science training courses for researchers [...] All Open Science skills courses should have career level appropriate accreditation and could also be modularised [...] it should be mandatory for universities and research organisations to offer these as part of their training”.*

*TRAINRDM aims to empower the Education and Skills dimension of OS through exploring innovative mechanisms and tools to provide the skills training in particular for and Research Data Management (RDM) good practices.*

The TRAINRDM objectives are:

- To analyse and map the skills training needs for OS and RDM in existing curricula in partner HEIs taking into account the different OS dimensions, target groups and level of existing knowledge
- To review existing good practice in OS and RDM skills training
- To develop a RDM & OS TRAINING METHODOLOGICAL TOOLKIT
- To develop, validate and diffuse a quality pilot training programme for OS and RDM

- To develop a training network around OS and RDM concepts;
- To encourage, motivate, support and recognise staff and students skills development in OS and RDM.
- The specific aims are divided on project target groups, centred around MSc and PhD Students, ECRs, Trainers, and Research Community Stakeholders in general.

As such the first Intellectual Output (IO1) of the TRAINRDM project is the current document, i.e. the RDM & OS TRAINING METHODOLOGICAL TOOLKIT.

# 2

## Method

The overarching aim of the IO1: RDM & OS TRAINING METHODOLOGICAL TOOLKIT is to conduct desk research on OS and RDM and map out existing skills and offering at different institutions. By reviewing related research, studies, and other EU projects, this document should serve as the starting point for the identification of staff competencies and skills needs relevant.

How training is delivered should be considered carefully, as it will vary according to needs, audiences and resources. Skills may develop in different learning contexts, including in-person or distance, classroom, webinars, blended or not. HEIs develop and deliver (some of) their own training and often also work with external providers. Examples of many kinds of innovative training are available for HEIs to use or to get inspired. While formal training is almost always needed, researchers can and do also acquire OS skills in informal training circumstances, on-the-job and at-the-research-bench.

### 2.1 Definitions

As TRAINRDM concentrates on OS and Research Data, this documents starts by reviewing some basic definitions to understand their meaning for this document. The intention is for the definitions to apply as widely as possible.

**Knowledge:** composition of facts and figures, concepts, ideas and theories which are already established and support the understanding of a certain area or subject.

**Skill:** Ability to use one's knowledge effectively and readily in execution or performance.

**Competency:** Important skill that is needed to do a job.

**Competence:** Ability to do something well.

**Research Data:** Qualitative, quantitative, or textual information upon which a novel investigation was conducted. Data can be “raw,” meaning in the form it was collected, or “cleaned” or “prepared,” meaning corrected for errors or transformed into a new form for analysis (e.g., pre-processing) or sharing (e.g., anonymisation).

**Scholarly work:** A paper, article, book, report, research data, computer code, or other form of media artefacts communicating the outcome of academic research.

**Open:** Content that is publicly available with minimal barriers to access, i.e. it can be viewed, licensed, and/or downloaded online without registration, payment, or approval.

**Open Science:** A culture that is characterised by the transparency and broad accessibility of scholarly work, where researchers share openly artefacts almost immediately and with a very wide audience.

**Open Source:** Software with source code that anyone can openly inspect, modify, and enhance.

From this perspective, our OS definition subscribes to the public and infrastructure schools as defined in [4] as TRAINRDM is focused on making science accessible to the public and improving research impact by improving available tools and applications.

## 2.2 Survey

As part of the TRAINRDM project, we have conducted a survey to analyse and map the skills training needs for OS and RDM taking into account the different OS dimensions, target groups, and level of existing knowledge. In addition to HEIs, the survey was distributed among research-intensive Small and Mid-size Enterprises, Multinational Corporations, and research-intensive Startups.

In order to build upon previous work in the literature, we have reviewed the Swinburne Open Science Survey [5] and The Open Scholarship Survey [6]. In the TRAINRDM Survey, we have focused on two aspects:

- the current familiarity of concepts related to OS and RDM; and,
- the availability of training on OS and RDM topics at partner institutions.

Consequently, the Survey has been divided into the distinct parts:

**Part 1. EVERYONE:** This was an exploratory exercise aimed at our four target groups: ECRs, Senior Researchers/Research Managers, Librarians, and Data Scientists from any (preferably European) institution. That is to say, this part was distributed, as wide as possible, by all TrainRDM partners using their available European research and academic networks.

It was expected that this part would take participants some 20 minutes to complete. There were no right or wrong answers and responses to all of the questions were absolutely confidential. All data was fully anonymised in compliance with GDPR regulations. A preview of the Part 1 can be accessed online by clicking [HERE](#).

**Part 2. PARTNERS ONLY:** This part built an inventory of available programmes, modules, and in general training on OS and discipline-specific Data Management practices at TRAINRDM partner institutions. That is to say, this Part was distributed within partner institutions and, depending on the institutional structure (departments, schools, faculties, etc), only a limited number of instances completed. A preview of Part 2 can be accessed online by clicking [HERE](#).

Both Parts were deployed using SurveyMonkey, a widely-used survey software with proven GDPR compliance, with ethical clearance in compliance with the recommended Ethics Guidelines of the [National College of Ireland](#).



For Part 1, our ideal number of responses was 385, as this is the ideal sample size at a 95% confidence level given that there are 2.58 million researchers employed in the EU-27 region <sup>1</sup>. On the other hand, Part 2 was by design going to have a limited number of responses and would therefore require a careful distribution within TRAINRDM partner institutions. The suggested deployment dates were:

- RELEASE: 21/Jun/2021 (both Parts)
- REMINDER: 28/Jun/2021
- CLOSING: 5/Jul/2021

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<sup>1</sup>Source: EU Eurostat [https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Research\\_and\\_innovation\\_statistics\\_at\\_regional\\_level](https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Research_and_innovation_statistics_at_regional_level) (Last Accessed: 12/Jan/2022).

# 3

## Survey Results

### 3.1 Part 1

For Part 1 of the Survey, we collected 239 responses which is roughly representative of the original intended population (2.58 million researchers) at 90% confidence with a 5% margin of error. We had a healthy mix of researchers working in academia and industry with collaborations with academic institutions. There were no significant issues in term of gender equality, diversity, or hiring.

Of particular relevance to this work, 60% of the respondents considered important that datasets and/or code materials are Open Data and Open Source respectively, and 76% have used other researchers' Open Data and/or Open Source materials in their own research.

When it comes to published data, 57% considered extremely important that data from published research is openly available, and 63% and 54% have used Open Data from other sources (e.g., researchers, government, etc.) or in their own research respectively.

87% of the respondents had published some research in the previous five years, and 70% considered Open Access publishing the most commonly used OS practices. Half of the respondents use predominantly GitHub and/or their own institutional repository as the predominant OS resource. Finally, for 70% of the respondents, the dominant barrier for OS uptake was the lack of funding for open access publishing and their main resources to learn are found directly on Internet.

The complete set of results is presented in Appendix [A](#).

### 3.2 Part 2

For Part 2 of the Survey, we collected 11 responses from TRAINRDM Consortium partners. Based on the responses and partners meetings (online and face-to-face in Dublin), Table [3.1](#) presents the Matrix of Competencies per Partner.

**Table 3.1:** Matrix of Competencies per Partner

Competency	UPB	TUW	NCI	DTSL	SAPIENZA	ICI
Data Management Plan		✓				✓
Research Ethics		✓	✓		✓	
Data Stewardship		✓	✓			✓
Data Protection		✓	✓			
IPR		✓	✓	✓	✓	
FAIR	✓	✓	✓		✓	
Data Visualisation		✓				
Data Analytics	✓		✓			
Federated Content Management Systems	✓		✓			✓
GDPR	✓		✓			
Open Innovation				✓	✓	
Open Science	✓					✓
Open Source				✓		✓

# 4

## Recommendations

Building upon the Survey results, i.e. the skills needed and suggested by the researchers and the competencies possessed by the different TRAINRDM partners, it is suggested to develop and, **eventually**, deliver a full pan-European programme in (Research) Data Management. While the creation of such programme is a long-term aspiration, the TRAINRDM will endeavour to develop more training paths (e.g. summer school) that could offer ECTS and/or other certificates such as open badges.

This section presents a proposal for a 90-credit *Master of Science in Research Data Management*. As presented in Figure 4.1, the proposed programme is structured as four 15-credit online/blended modules with a capstone 30-credit top-up Research Project.



**Figure 4.1:** 90-credit MSc in Research Data Management: Proposed Structure

As detailed in the structure, the 15-credit modules are to be offered by the four HEI members of the TRAINRDM Consortium, namely TUW, UPB, NCI, and SAPIENZA and it is planned to also offer the modules as micro-credentials. The 30-credit capstone project will be proposed linked to case studies under the supervision of ICI and DTSL with help from the TRAINRDM's HEIs. The entire programme

will have a flexible route with joint delivery, leading to a single award. It is duly noted that in several European countries, MSc programmes have typically 120 credits as mentioned by SAPIENZA and UPB.

*There will be two elective modules to cover the additional credits required (i.e. 90 ECTS and 120 ECTS): “Text and Data Mining” (to be developed by NCI) and “Research workflows” (to be developed by ICI)*

Upon completion of this programme, graduates will be able to perform independent research that puts them into a position to make informed and critical decisions regarding requirements elicitation and analysis, implementation, evaluation and documentation in OS by using Research Data Management principles.

The programme will run as online leading to a Level 7 degree in the European Qualifications Framework. Graduates of the programme will take up roles as Data Management Analyst, Clinical Research Coordinator, Clinical Data Manager, Data Governance Manager, Data Management Specialist, Data Management Clerk, and Data Management Specialist.

The proposed teaching and learning mode is online delivery via lectures, demonstrations, and tutorials. Underpinned by independent research and pre-reading, declarative and procedural learning will be addressed through activities such as formal lectures, case studies, scaffolding programming tasks, and coding tutorials. A pedagogy-centred approach will address functioning intended learning outcomes through peer collaborative learning, coding projects in novel and unfamiliar situations, systematic group work and presentations, web-enhanced learning, and research problems. Learners will also engage in a capstone research project, conducting appropriate research and undertaking the design and development of a OS case study proposed by the TRAINRDM industry partners.

## Bibliography

- [1] P. Ayris and A. Smolders, “Implementing Open Science: Challenges and Opportunities for research-intensive universities in LERU,” LERU Note, League of European Research Universities, Dec. 2020. Online: <https://www.leru.org/files/Implementing-open-science.pdf> (Last Accessed: 15/Jan/22).
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- [3] C. O’Carroll, B. Hyllseth, R. Berg, *et al.*, “Providing researchers with the skills and competencies they need to practise Open Science,” Open Science Skills Working Group Report KI-04-17-577-EN-N, European Commission, Directorate-General for Research and Innovation, July 2017. Online: <https://data.europa.eu/doi/10.2777/121253> (Last Accessed: 15/Jan/22).
- [4] B. Fecher and S. Friesike, “Open Science: One Term, Five Schools of Thought,” in *Opening Science: The Evolving Guide on How the Internet is Changing Research, Collaboration and Scholarly Publishing* (S. Bartling and S. Friesike, eds.), ch. 2, pp. 17–47, Cham: Springer, 2014. DOI: 10.1007/978-3-319-00026-8\_2.
- [5] J. L. Beaudry, J. Kaufman, T. Johnstone, and L. Given, “Swinburne Open Science Survey,” Survey, Swinburne University of Technology, Oct. 2019. Online: <https://doi.org/10.17605/OSF.IO/VPWF7> (Last Accessed: 15/Jan/22).
- [6] J. L. Beaudry, D. T. Chen, B. G. Cook, *et al.*, “The Open Scholarship Survey,” Survey, Center For Open Science, Feb. 2020. Online: <https://doi.org/10.17605/OSF.IO/NSBR3> (Last Accessed: 15/Jan/22).

# APPENDICES

# A

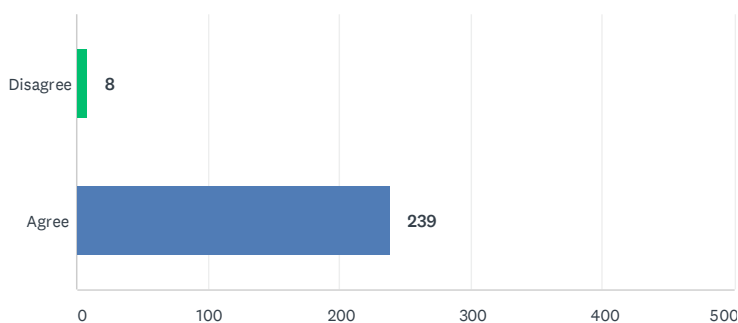
## TRAINRDM Survey Part 1: Complete Set of Results



TRAIN RESEARCH DATA MANAGEMENT

**Q1 ELECTRONIC CONSENT:** Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

Answered: 247 Skipped: 0

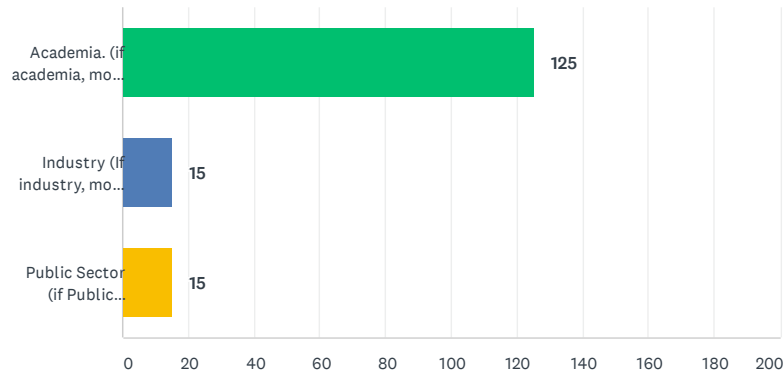


ANSWER CHOICES	RESPONSES
Disagree	3.24% 8
Agree	96.76% 239
TOTAL	247

TRAIN RESEARCH DATA MANAGEMENT

Q2 Is your Organisation in

Answered: 155 Skipped: 92

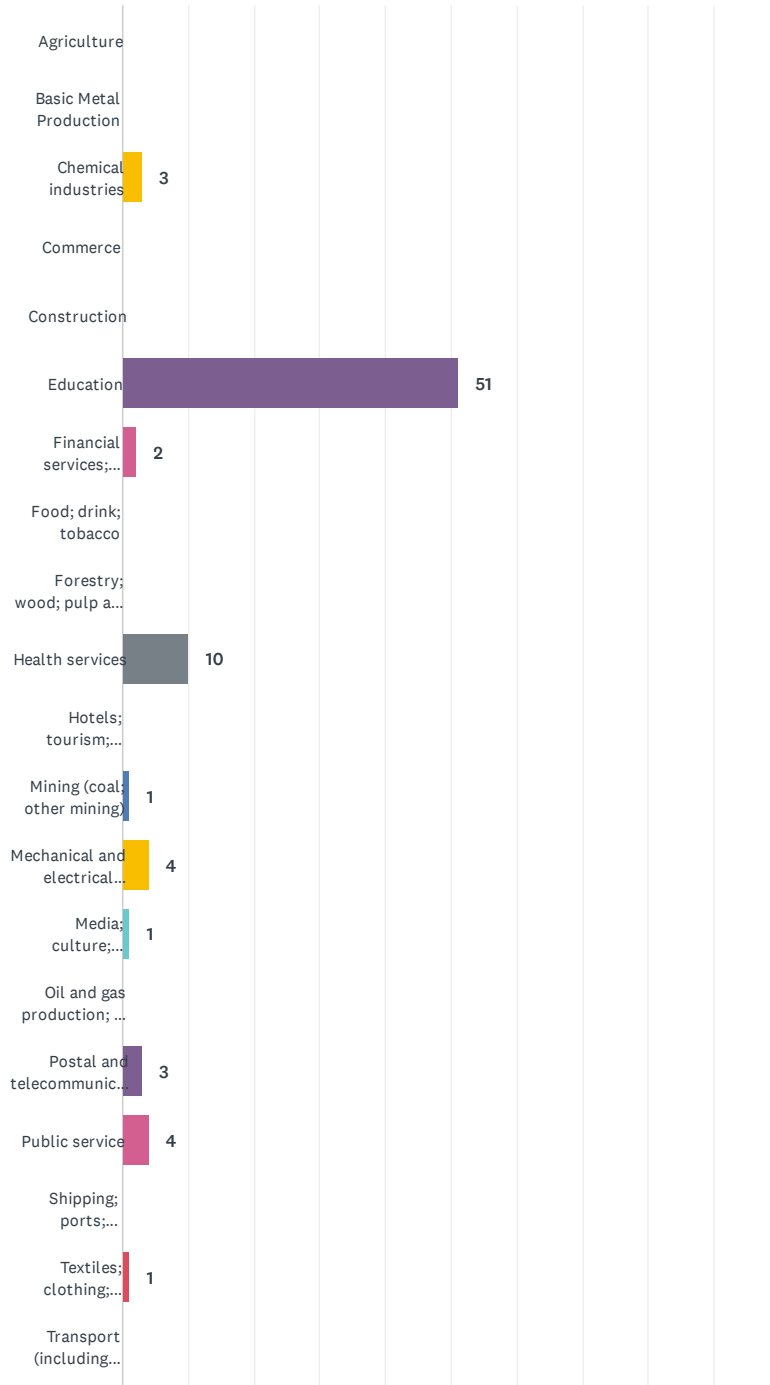


ANSWER CHOICES	RESPONSES	
Academia. (if academia, move the Q3)	80.65%	125
Industry (If industry, move to Q2)	9.68%	15
Public Sector (if Public Sector, move to Q3)	9.68%	15
<b>TOTAL</b>		<b>155</b>

TRAIN RESEARCH DATA MANAGEMENT

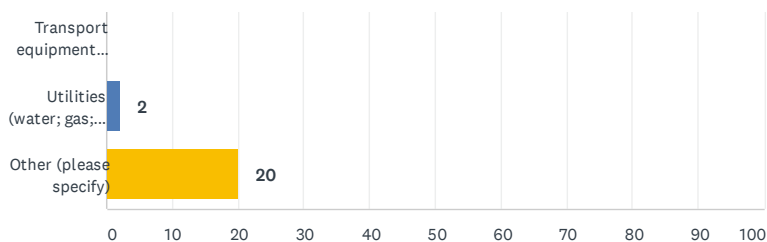
Q3 What Industry is your Organisation in? Select one

Answered: 102 Skipped: 145



3 / 57

TRAIN RESEARCH DATA MANAGEMENT



ANSWER CHOICES	RESPONSES
Agriculture	0.00% 0
Basic Metal Production	0.00% 0
Chemical industries	2.94% 3
Commerce	0.00% 0
Construction	0.00% 0
Education	50.00% 51
Financial services; professional services	1.96% 2
Food; drink; tobacco	0.00% 0
Forestry; wood; pulp and paper	0.00% 0
Health services	9.80% 10
Hotels; tourism; catering	0.00% 0
Mining (coal; other mining)	0.98% 1
Mechanical and electrical engineering	3.92% 4
Media; culture; graphical	0.98% 1
Oil and gas production; oil refining	0.00% 0
Postal and telecommunications services	2.94% 3
Public service	3.92% 4
Shipping; ports; fisheries; inland waterways	0.00% 0
Textiles; clothing; leather; footwear	0.98% 1
Transport (including civil aviation; railways; road transport)	0.00% 0
Transport equipment manufacturing	0.00% 0
Utilities (water; gas; electricity)	1.96% 2
Other (please specify)	19.61% 20
<b>TOTAL</b>	<b>102</b>

#	OTHER (PLEASE SPECIFY)	DATE
1	Security (HW and SW systems, services)	8/31/2021 12:40 PM
2	Research Center	8/31/2021 11:04 AM
3	Research and Development	8/29/2021 3:55 PM
4	Research & Development in Aerospace Engineering	8/26/2021 2:26 PM

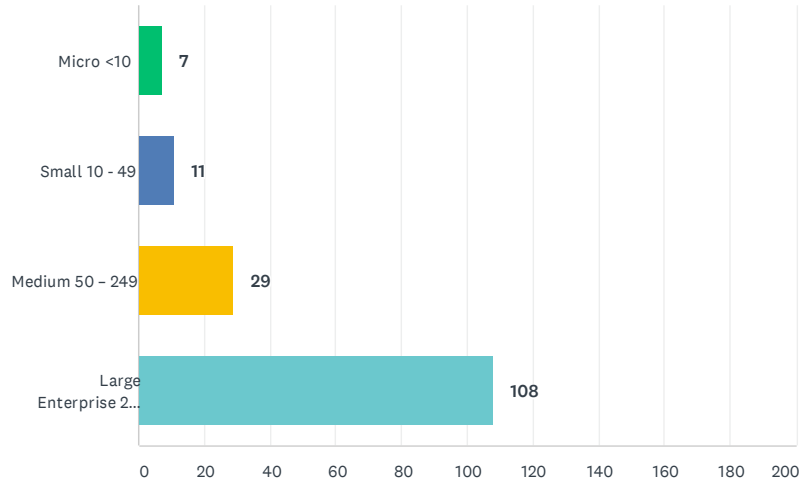
TRAIN RESEARCH DATA MANAGEMENT

5	R&D of metals and radioactive resources.	8/26/2021 11:55 AM
6	Technology	8/26/2021 9:42 AM
7	Social research	8/26/2021 8:05 AM
8	research institution	7/11/2021 6:40 PM
9	University	7/11/2021 5:36 PM
10	Academia	7/10/2021 11:45 AM
11	Pharmaceuticals	7/9/2021 4:45 PM
12	Architecture	7/9/2021 3:48 PM
13	Accademia	7/9/2021 7:35 AM
14	Philosophy	7/8/2021 8:09 PM
15	Computer Science (networking)	7/8/2021 5:55 PM
16	Architecture and Urbanism	7/8/2021 4:53 PM
17	ICT - Information and Communication Technology	7/5/2021 10:22 AM
18	Education	7/3/2021 11:27 AM
19	High Energy Particle Physics	7/3/2021 10:10 AM
20	ICT	6/30/2021 12:16 PM

TRAIN RESEARCH DATA MANAGEMENT

Q4 How many employees work at your organisation in your country?

Answered: 155 Skipped: 92

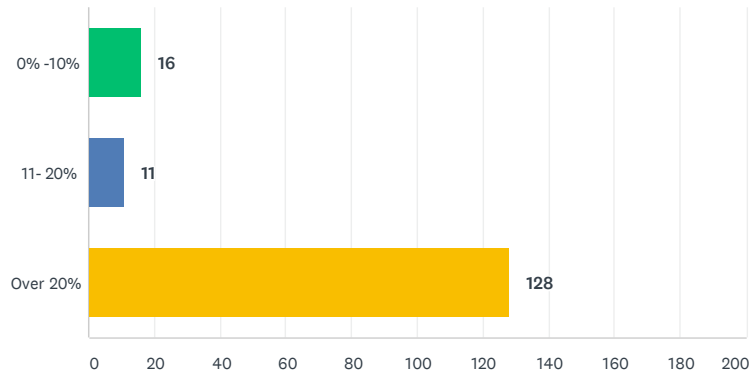


ANSWER CHOICES	RESPONSES
Micro <10	4.52% 7
Small 10 - 49	7.10% 11
Medium 50 - 249	18.71% 29
Large Enterprise 250 or more	69.68% 108
TOTAL	155

TRAIN RESEARCH DATA MANAGEMENT

Q5 What percentage of your organisation is engaged in Research?

Answered: 155 Skipped: 92

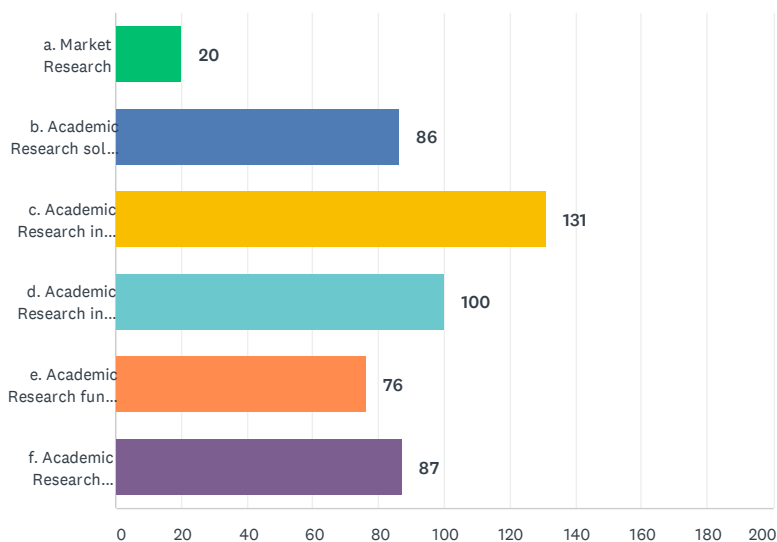


ANSWER CHOICES	RESPONSES	
0% -10%	10.32%	16
11- 20%	7.10%	11
Over 20%	82.58%	128
TOTAL		155

TRAIN RESEARCH DATA MANAGEMENT

Q6 What type of research activities does your organisation engage in? (Tick all that apply)

Answered: 155 Skipped: 92



ANSWER CHOICES	RESPONSES	
a. Market Research	12.90%	20
b. Academic Research solely for your institution	55.48%	86
c. Academic Research in collaboration with other academic institutions	84.52%	131
d. Academic Research in collaboration with industry	64.52%	100
e. Academic Research funded by your organisation	49.03%	76
f. Academic Research co-funded with another institution (i.e. EU)	56.13%	87
Total Respondents: 155		



## TRAIN RESEARCH DATA MANAGEMENT

### Q7 Please tell us the name of the organisation(s) funding your Research if you selected f. above

Answered: 86 Skipped: 161

#	RESPONSES	DATE
1	UEFISCDI	8/31/2021 12:40 PM
2	University Politehnica of Bucharest	8/30/2021 3:57 AM
3	University of Suceava	8/28/2021 9:24 AM
4	UEFISCDI	8/27/2021 8:13 PM
5	EPCRC, EU, British Council, Industry	8/27/2021 2:38 PM
6	Upb	8/27/2021 12:50 PM
7	EU commission, NSA,	8/27/2021 11:45 AM
8	EU, UEFISCDI	8/27/2021 11:19 AM
9	Universitatea Tehnica Gheoghea Asachi din Iasi	8/27/2021 9:35 AM
10	EU	8/27/2021 7:32 AM
11	"1 Decembrie 1918" University of Alba Iulia	8/27/2021 5:26 AM
12	European Research Council	8/26/2021 7:32 PM
13	National Institute of Standards and Technology (NIST) Gov USA	8/26/2021 6:40 PM
14	National Government, European Commission, companies	8/26/2021 4:59 PM
15	EU	8/26/2021 2:34 PM
16	EU, UEFISCDI	8/26/2021 2:28 PM
17	UEFISCDI;EU; HORIZON; ESA; ROSA; National Projects (PN);Structural Funds	8/26/2021 2:26 PM
18	University Politehnica of Bucharest	8/26/2021 12:55 PM
19	European Funding Projects cofounded ECSEL-JU	8/26/2021 12:45 PM
20	Ministry of Research, Innovation and Digitalization	8/26/2021 11:55 AM
21	EU	8/26/2021 10:56 AM
22	Transilvania University of Brasov	8/26/2021 9:44 AM
23	European Commission	8/26/2021 9:16 AM
24	various	8/26/2021 8:52 AM
25	EU	8/26/2021 8:35 AM
26	EU	8/26/2021 8:33 AM
27	European Union	8/26/2021 8:18 AM
28	several EU funding programmes, several national funding programmes with different finance models	8/26/2021 8:08 AM
29	EU, UNICEF, UEFISCDI	8/26/2021 8:05 AM
30	R&D National Institute of Metals and Radioactive Resources-I.C.P.M.R.R.	7/20/2021 8:38 AM
31	AAL JP, MYBL JP	7/15/2021 8:53 AM
32	Sapienza University of Rome	7/13/2021 4:30 PM
33	INAIL - National Institute for Insurance against Accidents at Work	7/13/2021 1:27 PM
34	European Commission	7/13/2021 10:33 AM

## TRAIN RESEARCH DATA MANAGEMENT

35	Vetenskapsrådet, Riksbanken, EU etc etc	7/12/2021 1:24 PM
36	Sapienza, University of Rome	7/11/2021 5:36 PM
37	IFLA	7/10/2021 5:30 PM
38	Sapienza	7/10/2021 11:45 AM
39	The Ministry of Research and Innovation	7/10/2021 11:10 AM
40	Faculty of Dental Medicine of Sofia	7/10/2021 5:17 AM
41	Structural Funds	7/10/2021 3:44 AM
42	Ministry of Education and Research - UEFISCDI	7/9/2021 8:41 PM
43	National Institute for Chemical-Pharmaceutical Research & Development	7/9/2021 4:45 PM
44	Sapienza	7/9/2021 3:54 PM
45	Università degli Studi La Sapienza	7/9/2021 3:48 PM
46	West University of Timisoara	7/9/2021 2:32 PM
47	University of Craiova	7/9/2021 1:48 PM
48	EU, Public institutions, foundations	7/9/2021 1:35 PM
49	University of Zaragoza	7/9/2021 1:32 PM
50	Università degli studi di Firenze	7/9/2021 1:28 PM
51	Faculty of Psychology and Educational Scieces, Alexandru Ioan Cuza,Iasi (Romania)	7/9/2021 1:27 PM
52	Sapienza Univeristy, Rome	7/9/2021 9:39 AM
53	Sapienza University	7/9/2021 7:47 AM
54	Sapienza	7/9/2021 7:35 AM
55	Progetti di ateneo sapienza	7/9/2021 6:47 AM
56	National Cancer Institute- Regina Elena	7/8/2021 8:52 PM
57	ERC, CNR	7/8/2021 5:55 PM
58	Sapienza Università di Roma	7/8/2021 4:45 PM
59	University of Insubria	7/8/2021 4:26 PM
60	Università degli Studi di Roma "La Sapienza"	7/8/2021 4:26 PM
61	La Sapienza	7/8/2021 4:11 PM
62	Sapienza, University of Rome	7/8/2021 3:07 PM
63	N/A	7/8/2021 3:01 PM
64	Sapienza University of Rome	7/8/2021 2:58 PM
65	La Sapienza	7/8/2021 2:55 PM
66	Military Technical Academy	7/6/2021 10:41 AM
67	SC TEMESSED SRL	7/5/2021 2:50 PM
68	UEFISCDI; EU H2020; EU FP7	7/5/2021 2:28 PM
69	EU projects	7/5/2021 11:04 AM
70	Horizon 20 ptogram at EU	7/5/2021 10:22 AM
71	The National Centre for Research and Development (Poland), Polish Ministry of Digital Affairs	7/5/2021 10:22 AM
72	Ministry of Scientific Research, Innovation and Digitalization; EU funded RDI programmes	7/5/2021 10:18 AM
73	EU	7/5/2021 7:23 AM
74	European Commission	7/5/2021 6:26 AM

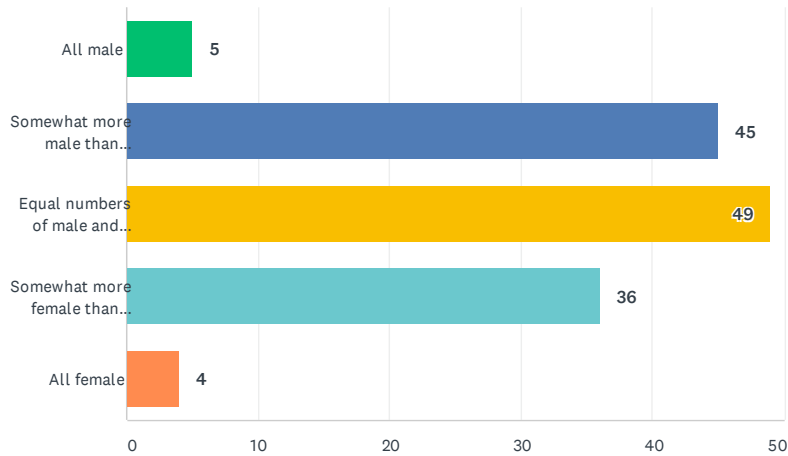
TRAIN RESEARCH DATA MANAGEMENT

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76	EU	7/3/2021 3:03 PM
77	H2020	7/3/2021 2:32 PM
78	EU	7/3/2021 11:39 AM
79	UEFISCDI, EU	7/3/2021 11:27 AM
80	Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering (IFIN-HH)	7/3/2021 10:10 AM
81	EU	7/2/2021 2:11 PM
82	Ministry of Research, Ministry of Education, EU	7/2/2021 11:00 AM
83	National Institute of Research and Development for Biological Sciences	7/2/2021 9:42 AM
84	POC ADR	6/30/2021 2:47 PM
85	UEFISDI	6/30/2021 2:37 PM
86	Ministry of Research, Innovation and Digitalization	6/30/2021 12:16 PM

TRAIN RESEARCH DATA MANAGEMENT

Q8 What is the makeup of your Research Team?

Answered: 139 Skipped: 108

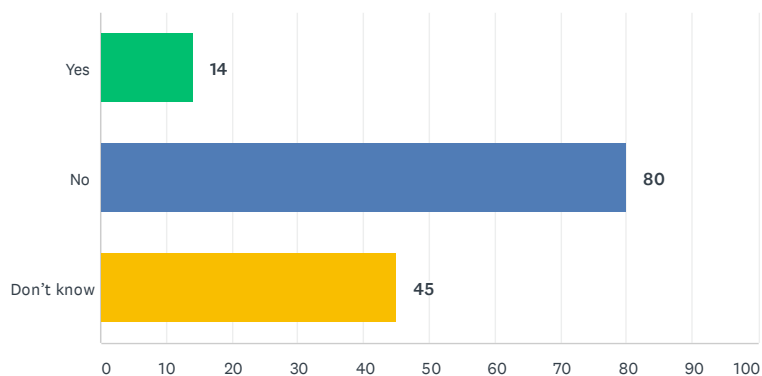


ANSWER CHOICES	RESPONSES	
All male	3.60%	5
Somewhat more male than female	32.37%	45
Equal numbers of male and female	35.25%	49
Somewhat more female than male	25.90%	36
All female	2.88%	4
<b>TOTAL</b>		<b>139</b>

TRAIN RESEARCH DATA MANAGEMENT

Q9 Has your organisation experienced difficulty in retaining females in Research roles?

Answered: 139 Skipped: 108

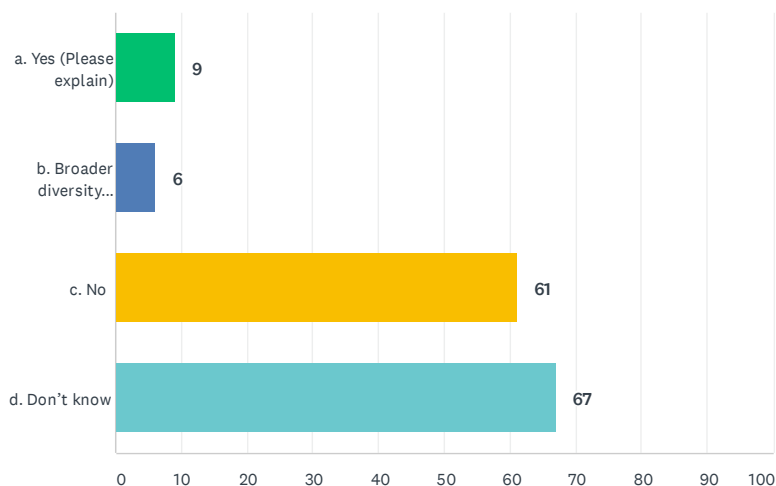


ANSWER CHOICES	RESPONSES	
Yes	10.07%	14
No	57.55%	80
Don't know	32.37%	45
TOTAL		139

TRAIN RESEARCH DATA MANAGEMENT

Q10 Does your organization have in place specific diversity programs to support female Research professionals?

Answered: 139 Skipped: 108



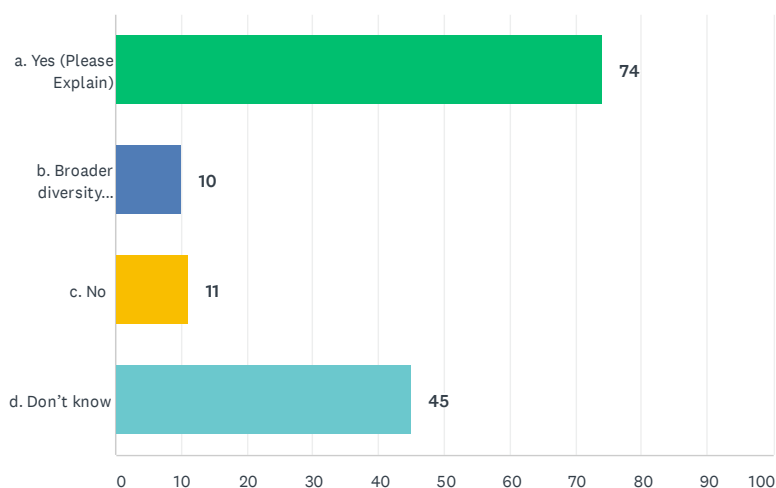
ANSWER CHOICES	RESPONSES
a. Yes (Please explain)	6.47% 9
b. Broader diversity programme to support female, not just in Research (Please explain)	4.32% 6
c. No	43.88% 61
d. Don't know	48.20% 67
Total Respondents: 139	

#	IF A OR B, PLEASE EXPLAIN	DATE
1	Post-doc opportunities for career development.	8/26/2021 6:41 PM
2	Recurrent diversity acceptance and harassment trainings	8/26/2021 6:31 PM
3	Specialized trainings and support opportunities for development dedicated to females.	8/26/2021 12:50 PM
4	Example, the participation to the programs developed by IEEE Women in Engineering.	8/26/2021 9:48 AM
5	we have a comprehensive "Gender Strategy" with a dedicated "Gender Programm" in place, covering 4 areas: i) communication with the market and ii.) communication within the organisation (best practice examples, testimonials from the organisation, etc.); iii.) internal discussion among employees & management; i.v.) dedicated measures targeting different objectives (recruiting, training, etc.)	8/26/2021 8:14 AM
6	maternity leave	7/10/2021 5:20 AM
7	Working program flexibility, remote working, financial support for youth researchers to access academic education and learning programs	7/10/2021 3:51 AM
8	International recruitment programme	7/5/2021 10:25 AM
9	Workshops, meetings for gender equality. Many Females in top positions.	7/2/2021 11:03 AM

TRAIN RESEARCH DATA MANAGEMENT

Q11 Are people of all cultures and backgrounds respected and valued in your organization?

Answered: 139 Skipped: 108



ANSWER CHOICES	RESPONSES
a. Yes (Please Explain)	53.24% 74
b. Broader diversity programme to support different cultures and backgrounds, not just in Research (Please Explain)	7.19% 10
c. No	7.91% 11
d. Don't know	32.37% 45
Total Respondents: 139	

#	IF A OR B, PLEASE EXPLAIN	DATE
1	we have two working sites (Switzerland and Romania) with strongly integrated activities	8/31/2021 12:51 PM
2	We are in European Union	8/29/2021 5:44 PM
3	In our institution all the people are treated equally, independent of gen, background, color or cultural habits.	8/29/2021 5:09 PM
4	They are.	8/27/2021 9:35 AM
5	by procedures	8/27/2021 5:27 AM
6	What is important in my institution is the scientific competencies and skills. The researcher's culture or background is/are respected and is valued but are not the main criteria in appreciating the work that is done.	8/26/2021 7:36 PM
7	Recurrent diversity acceptance trainings	8/26/2021 6:31 PM
8	For all people involved in Research & Development in Aerospace Engineering the selection is based on the most important criterion, that is the professional background, through which is achieved the adequate match between the requirements of the specific job with their professional education, skills and abilities.	8/26/2021 2:35 PM
9	My company is a Multinational company having sites all over the world. Intercultural trainings and inter-sites assignments are at the business base.	8/26/2021 12:50 PM

TRAIN RESEARCH DATA MANAGEMENT

10	The only criteria for which is taken into consideration at job interviews is professional background. Anyone could apply and get selected during a job interview, no matter the sex, religion, culture, etc. We have Muslim colleagues, gypsy, etc.	8/26/2021 12:44 PM
11	Everyone has equal chances to develop a successful carrier.	8/26/2021 11:57 AM
12	There is no discriminative constrains in recruitment.	8/26/2021 10:57 AM
13	International students, invited professors from all over the world, research partners from all over the world	8/26/2021 10:49 AM
14	There is no restriction in my organization regulations that specify or suggests not respecting and value all cultures and backgrounds.	8/26/2021 8:37 AM
15	no discrimination	8/26/2021 8:31 AM
16	This is part of our brand value and targeted organisation culture. A huge portion of the employees are coming from all over the world - the only way to get the best talents to meet our busienss objectives.	8/26/2021 8:14 AM
17	The main goal of our institute is work efficiency and the employees' cultural background is a plus.	7/20/2021 8:45 AM
18	Everyone can be what she wants.	7/13/2021 8:14 AM
19	My organization never questioned its emloees what culture, background or nationality, not to mention gender they were. All that is important is skill and hard work.	7/12/2021 10:02 AM
20	Why would they not be	7/11/2021 12:17 PM
21	We are looking only at the proffessional abilities, not at the private life	7/10/2021 11:13 AM
22	We have international students' course and every one is welcome to enter research groups and publish.	7/10/2021 5:20 AM
23	Regardless of the minority group, religion, gender, sexual orientation there is no discrimination. There are respected free day's events by each group, advance in career is based on research performance.	7/10/2021 3:51 AM
24	There are no differences between people of different cultures.	7/9/2021 8:46 PM
25	Specific calls for foreign students and employees exist in my organization	7/9/2021 10:00 AM
26	Students and researchers from all walks of life are welcome and integrated into the institution	7/9/2021 7:57 AM
27	There are specific calls for non-italian citizens, but all the other calls do not pose a limit on nationality, ethnicity, gender, and other features.	7/8/2021 5:57 PM
28	I think they are	7/8/2021 4:54 PM
29	As this is a public university, any form of discrimination based on differences in culture or background would be ground for formal inquiries and may entail disciplinary or even penal sanctions. That is not to say that biases do not exist, but lacking research data on the matter I am unable to qualifya or quantify their impact.	7/8/2021 4:33 PM
30	University accepts all cultures	7/8/2021 3:18 PM
31	I feel there are not discriminations in place, neing myself an exponent of a minority	7/8/2021 3:08 PM
32	In my organization, people from different culture used to study and they got equal opportunities.	7/8/2021 3:03 PM
33	Our univercity has international progammes and respects peculiarities of different cultures.	7/5/2021 11:05 AM
34	All employees are treated the same regardless of their cultures and backgrounds	7/5/2021 10:41 AM
35	Evaluation criteria for research staff are related to the deployed activity, performance level, competencies and skills, interest professional growth, overall behaviour as compared with the job description.	7/5/2021 10:28 AM
36	International student programme	7/5/2021 10:25 AM
37	The answer says everything.	7/4/2021 7:52 AM
38	There is no restriction regarding culture and background	7/3/2021 3:06 PM
39	Multi-cultural team	7/3/2021 2:33 PM



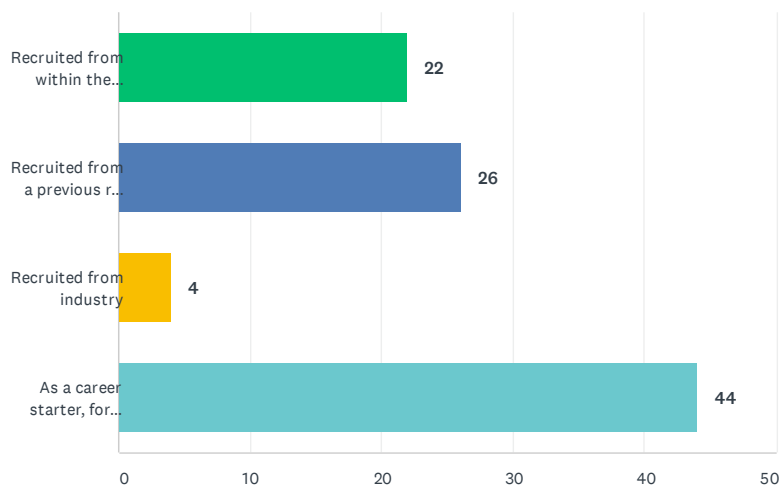
TRAIN RESEARCH DATA MANAGEMENT

40	there is no difference, we are engineers	7/3/2021 11:40 AM
41	We don't have people of different cultures. But as far as background is concerned, there is sometimes a tendency to look down to people with a background in humanities.	7/2/2021 2:15 PM
42	Invitations to joint activities are done only by professionalism and common research domain.	7/2/2021 11:03 AM
43	we give equal opportunities regardless cultures and backgrounds	6/30/2021 2:48 PM

TRAIN RESEARCH DATA MANAGEMENT

Q12 Hiring - where did you source your existing Research staff?

Answered: 96 Skipped: 151

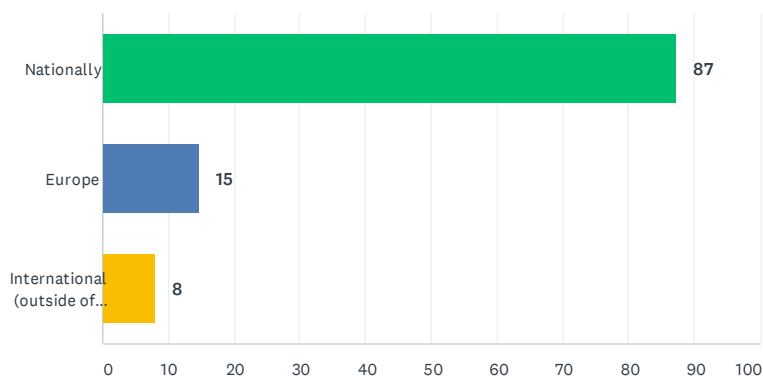


ANSWER CHOICES	RESPONSES	
Recruited from within the organisation from a related/non-related role	22.92%	22
Recruited from a previous role in academia	27.08%	26
Recruited from industry	4.17%	4
As a career starter, for example, a graduate or intern	45.83%	44
<b>TOTAL</b>		<b>96</b>

TRAIN RESEARCH DATA MANAGEMENT

**Q13 Hiring – from what location do you source your Research staff (Please provide an indicative percentage- The field only accepts numerical data, please omit the % sign)**

Answered: 96 Skipped: 151



ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Nationally	87	8,108	93
Europe	15	1,063	73
International (outside of Europe)	8	429	54
Total Respondents: 96			

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6	100	8/27/2021 8:16 PM
7	60	8/27/2021 2:41 PM
8	95	8/27/2021 12:54 PM
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15	100	8/26/2021 6:32 PM
16	90	8/26/2021 5:03 PM
17	95	8/26/2021 2:42 PM

TRAIN RESEARCH DATA MANAGEMENT

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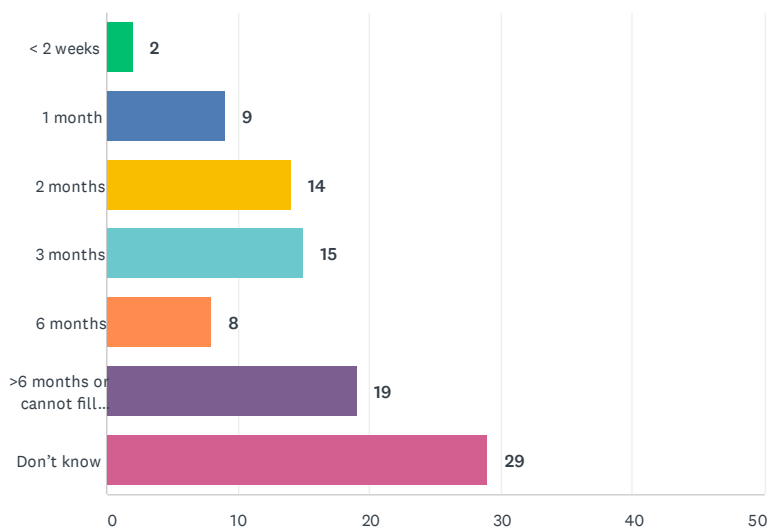
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TRAIN RESEARCH DATA MANAGEMENT

Q14 Hiring - On average, how long does it take your organization to fill a Research position with a qualified candidate?

Answered: 96 Skipped: 151

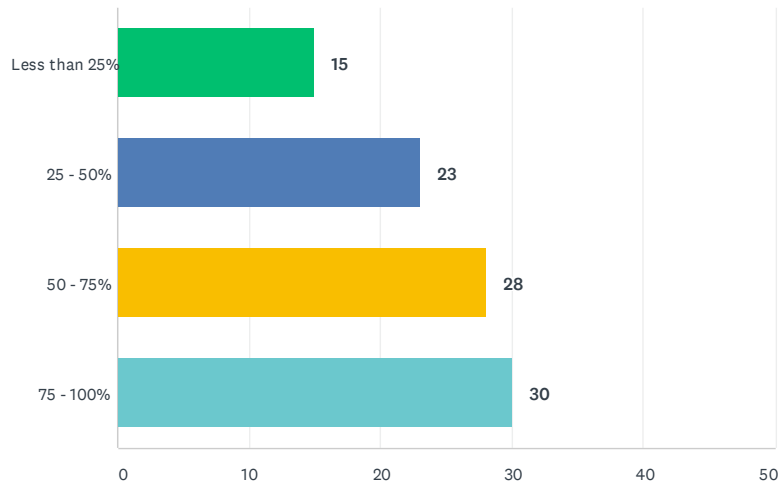


ANSWER CHOICES	RESPONSES	
< 2 weeks	2.08%	2
1 month	9.38%	9
2 months	14.58%	14
3 months	15.63%	15
6 months	8.33%	8
>6 months or cannot fill open positions	19.79%	19
Don't know	30.21%	29
<b>TOTAL</b>		<b>96</b>

TRAIN RESEARCH DATA MANAGEMENT

Q15 Hiring/Shortage - On average, how many Research applicants are well qualified for the position for which they are applying?

Answered: 96 Skipped: 151

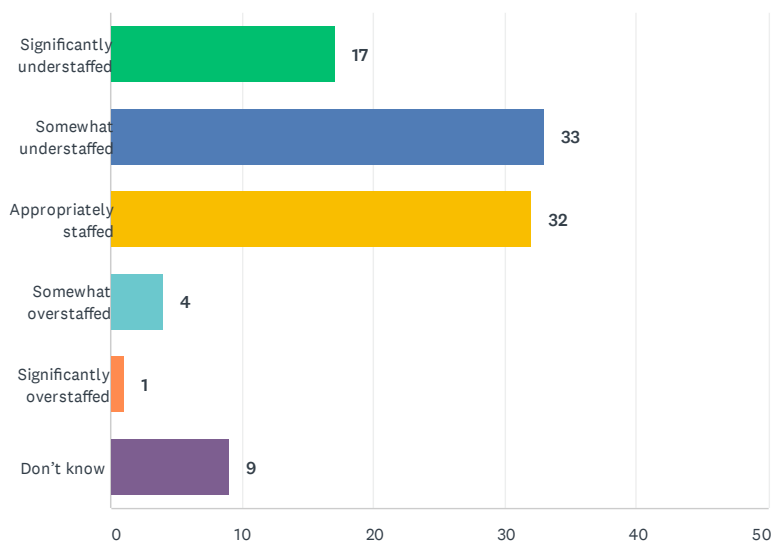


ANSWER CHOICES	RESPONSES	
Less than 25%	15.63%	15
25 - 50%	23.96%	23
50 - 75%	29.17%	28
75 - 100%	31.25%	30
TOTAL		96

TRAIN RESEARCH DATA MANAGEMENT

Q16 Shortage - Do you feel that your organization's Research team is currently:

Answered: 96 Skipped: 151

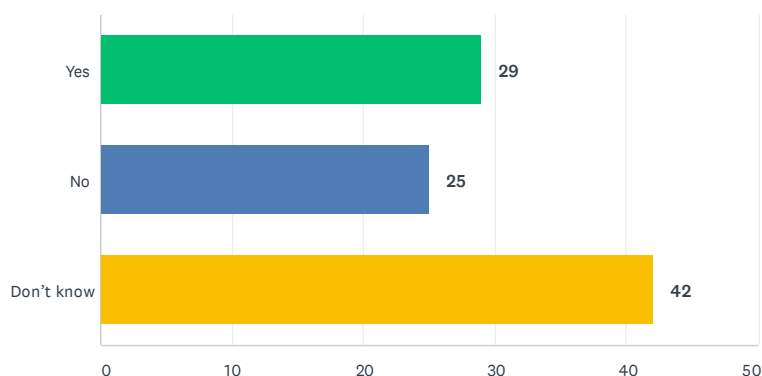


ANSWER CHOICES	RESPONSES	
Significantly understaffed	17.71%	17
Somewhat understaffed	34.38%	33
Appropriately staffed	33.33%	32
Somewhat overstaffed	4.17%	4
Significantly overstaffed	1.04%	1
Don't know	9.38%	9
TOTAL		96

TRAIN RESEARCH DATA MANAGEMENT

### Q17 Shortage - Does your organization have unfilled (open) Research positions?

Answered: 96 Skipped: 151



ANSWER CHOICES	RESPONSES	
Yes	30.21%	29
No	26.04%	25
Don't know	43.75%	42
TOTAL		96

#	IF YES, HOW MANY?	DATE
1	50	8/30/2021 4:00 AM
2	At least 10, but we cannot hire due to lack of appropriate funding.	8/29/2021 5:11 PM
3	20	8/27/2021 8:16 PM
4	My Faculty about 30-40%	8/27/2021 12:54 PM
5	A few.	8/27/2021 9:37 AM
6	2-3 still need to be filled in my group	8/26/2021 6:47 PM
7	20	8/26/2021 5:03 PM
8	don't know	8/26/2021 2:31 PM
9	10	8/26/2021 12:53 PM
10	3	8/26/2021 12:45 PM
11	7	8/26/2021 12:00 PM
12	100	8/26/2021 9:53 AM
13	1	8/26/2021 8:24 AM
14	10	8/26/2021 8:17 AM
15	10	7/20/2021 8:48 AM
16	At least 10	7/10/2021 11:25 AM
17	20	7/5/2021 11:09 AM
18	between 4 and 8	7/5/2021 10:44 AM

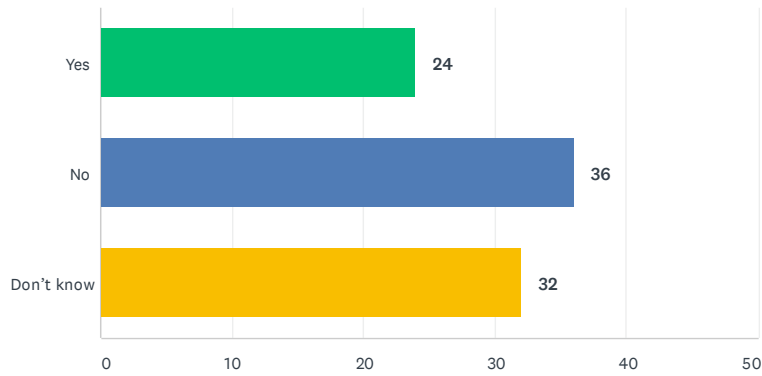
TRAIN RESEARCH DATA MANAGEMENT

19	2	7/3/2021 2:34 PM
20	30%	7/3/2021 11:28 AM
21	3	7/2/2021 2:18 PM
22	maybe 5	7/2/2021 11:05 AM

TRAIN RESEARCH DATA MANAGEMENT

Q18 In the last 12 months, has anyone undertaken a formal analysis of your organisation's Research skills or training needs?

Answered: 92 Skipped: 155

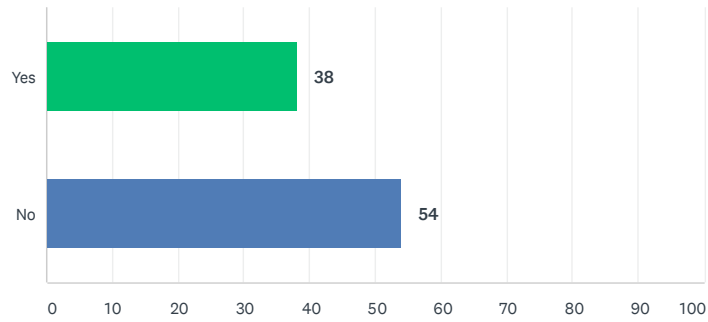


ANSWER CHOICES	RESPONSES	
Yes	26.09%	24
No	39.13%	36
Don't know	34.78%	32
TOTAL		92

TRAIN RESEARCH DATA MANAGEMENT

Q19 Do you have a formal training program for Research employees?

Answered: 92 Skipped: 155

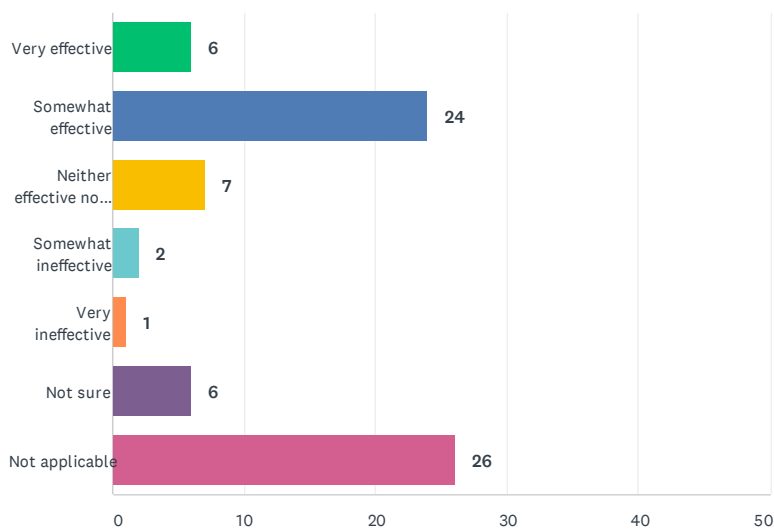


ANSWER CHOICES	RESPONSES	
Yes	41.30%	38
No	58.70%	54
TOTAL		92

TRAIN RESEARCH DATA MANAGEMENT

Q20 If “yes” please indicate how effective is your current training program for Research employees? (Select one)

Answered: 72 Skipped: 175



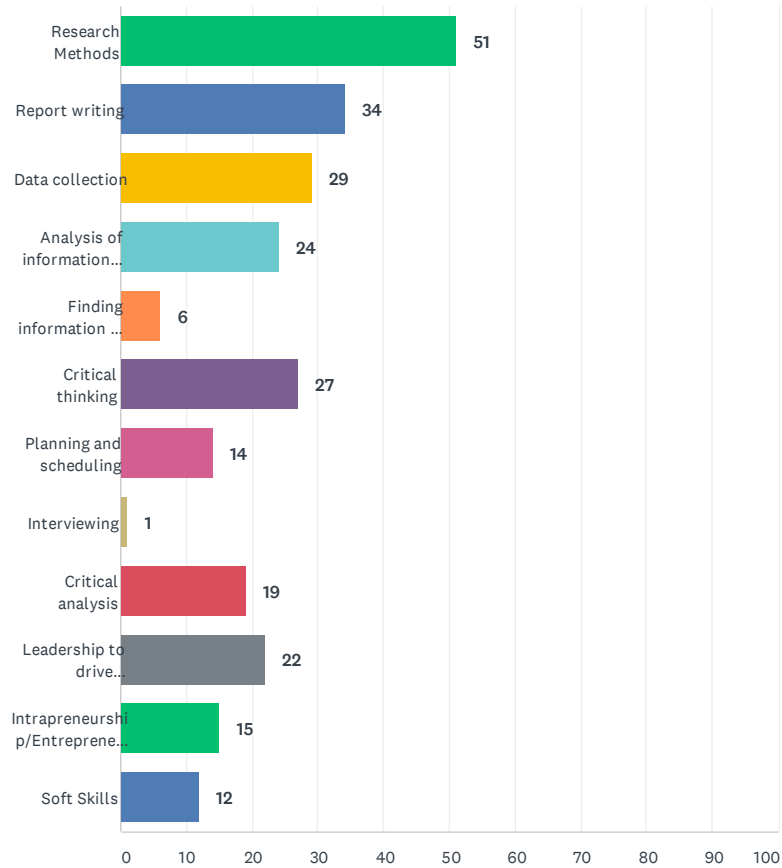
ANSWER CHOICES	RESPONSES	
Very effective	8.33%	6
Somewhat effective	33.33%	24
Neither effective nor ineffective	9.72%	7
Somewhat ineffective	2.78%	2
Very ineffective	1.39%	1
Not sure	8.33%	6
Not applicable	36.11%	26
TOTAL		72



TRAIN RESEARCH DATA MANAGEMENT

Q21 Which of the following topic areas would you find most valuable for ongoing training and education for your organisation to be successful in Research? (Select up to three)

Answered: 92 Skipped: 155



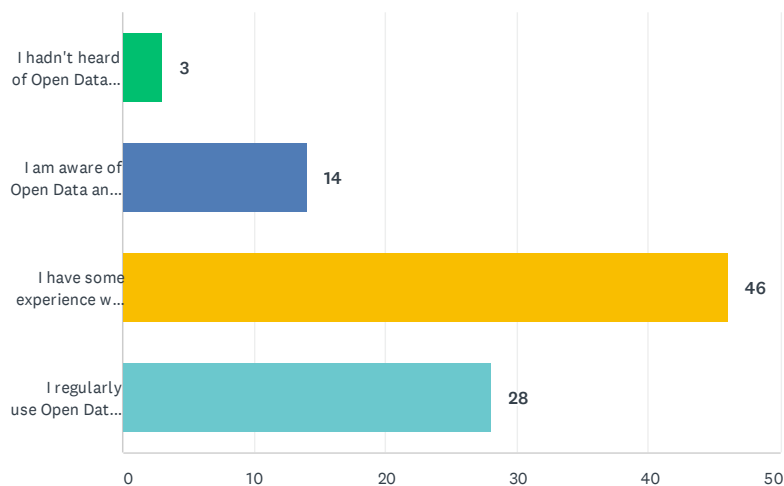
TRAIN RESEARCH DATA MANAGEMENT

ANSWER CHOICES	RESPONSES	
Research Methods	55.43%	51
Report writing	36.96%	34
Data collection	31.52%	29
Analysis of information from different sources	26.09%	24
Finding information off the internet	6.52%	6
Critical thinking	29.35%	27
Planning and scheduling	15.22%	14
Interviewing	1.09%	1
Critical analysis	20.65%	19
Leadership to drive Innovation	23.91%	22
Intrapreneurship/Entrepreneurship	16.30%	15
Soft Skills	13.04%	12
Total Respondents: 92		

TRAIN RESEARCH DATA MANAGEMENT

Q22 What is your experience with Open Data and Open Source?

Answered: 91 Skipped: 156

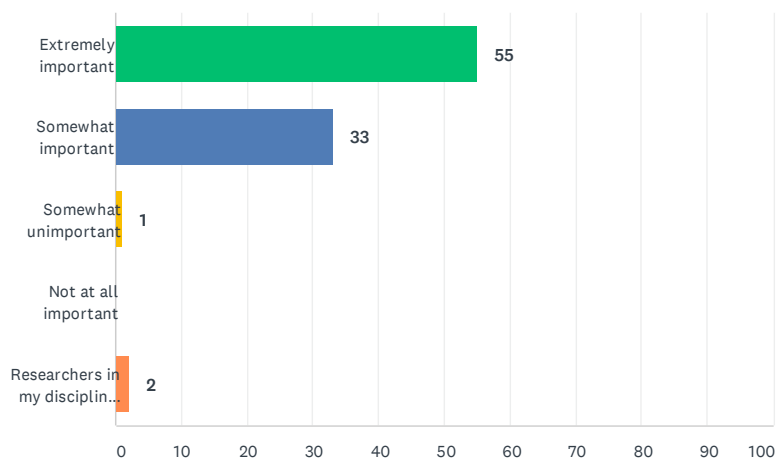


ANSWER CHOICES	RESPONSES	
I hadn't heard of Open Data or Open Source	3.30%	3
I am aware of Open Data and Open Source, but have not used either in my research	15.38%	14
I have some experience with Open Data and Open Source, but do not use them regularly	50.55%	46
I regularly use Open Data and/or Open Source	30.77%	28
<b>TOTAL</b>		<b>91</b>

TRAIN RESEARCH DATA MANAGEMENT

Q23 In your opinion, how important is it that datasets and/or code materials are Open Data and Open Source respectively?

Answered: 91 Skipped: 156

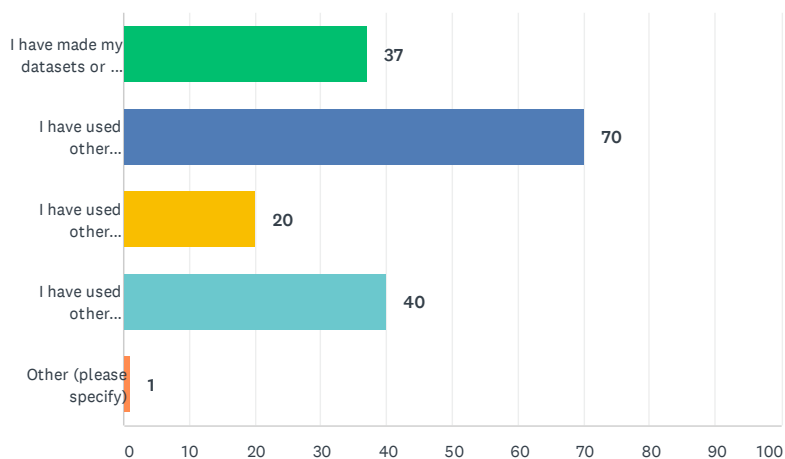


ANSWER CHOICES	RESPONSES	
Extremely important	60.44%	55
Somewhat important	36.26%	33
Somewhat unimportant	1.10%	1
Not at all important	0.00%	0
Researchers in my discipline do not use datasets and/or code materials	2.20%	2
<b>TOTAL</b>		<b>91</b>

TRAIN RESEARCH DATA MANAGEMENT

Q24 How have you used Open Data and Open Source (tick all that apply)

Answered: 91 Skipped: 156



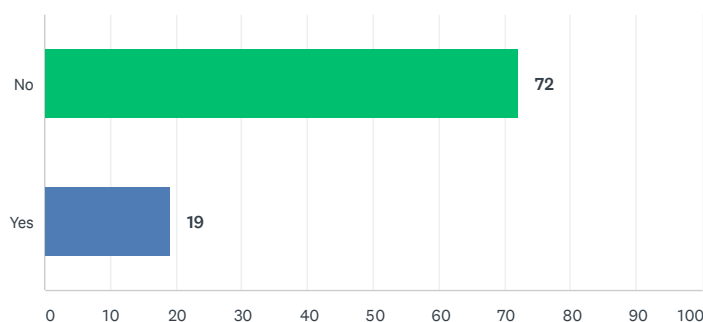
ANSWER CHOICES	RESPONSES
I have made my datasets or my code Open Data and Open Source openly available	40.66% 37
I have used other researchers' Open Data and/or Open Source materials in my research	76.92% 70
I have used other researchers' Open Data and/or Open Source when peer-reviewing their work	21.98% 20
I have used other Researcher's Open Data and/or Open Source when reading their work	43.96% 40
Other (please specify)	1.10% 1
Total Respondents: 91	

#	OTHER (PLEASE SPECIFY)	DATE
1	I have not open data dataset	7/9/2021 6:54 AM

TRAIN RESEARCH DATA MANAGEMENT

Q25 Do you have any concerns about making Open Data or Open Source materials openly available?

Answered: 91 Skipped: 156



ANSWER CHOICES	RESPONSES
No	79.12% 72
Yes	20.88% 19
Total Respondents: 91	

#	IF YES, PLEASE LIST YOUR CONCERNS	DATE
1	Specific information related to security cannot be made OD or OS	8/31/2021 1:17 PM
2	IPR	8/29/2021 5:14 PM
3	for ethical reasons	8/27/2021 2:44 PM
4	Financial reasons-payment of OA articles	8/27/2021 12:58 PM
5	National Safety concerns	8/26/2021 6:35 PM
6	IP protection	8/26/2021 12:58 PM
7	Constraints imposed by the financing organizations.	8/26/2021 8:37 AM
8	copyright issues, plagiarism	8/26/2021 8:30 AM
9	a model has to be defined how the maintenance of OS is financed. Usually research funding is not covering the maintenance of OS data, which is a crucial hurdle...	8/26/2021 8:24 AM
10	Intellectual theft	7/14/2021 10:13 PM
11	Unfair use	7/9/2021 1:49 PM
12	While aggregate numerical data can more easily be anonymized, some forms of data - especially in-depth interview transcripts - are protected by privacy laws that make it very difficult to share them openly, and they usually rely on conditioned consent of use in specific research projects by informants who may object to these data being openly shared for unspecified purposes	7/8/2021 4:42 PM
13	Unless they were funded by public funds.	7/5/2021 10:43 AM
14	Industry constraints To be fully referenced Not having information back about evolutions and changes	7/5/2021 10:38 AM
15	open data needs full description of equipment used to acquire data - some of them are in developing mode and it is not clear the procedure to get accept from the supplier. Also, it is needed to fully test/pursue an accreditation program for the laboratory/ installations, which is not financially supported by the institution. Without an appropriate support program, universities / research groups / will be _out of the research game_ in very short time.	7/3/2021 11:50 AM

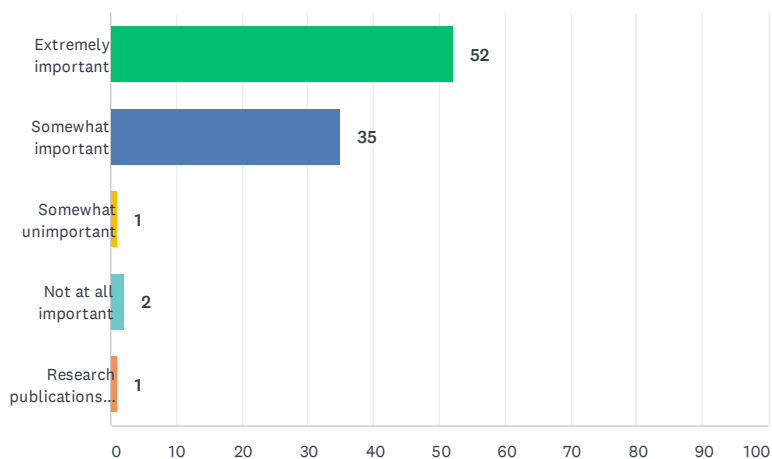
TRAIN RESEARCH DATA MANAGEMENT

16	Being used without acknowledging their origin in a context in which one criterion in evaluating us as researchers is the number of citations.	7/2/2021 2:22 PM
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TRAIN RESEARCH DATA MANAGEMENT

Q26 In your opinion, how important is it for your research field that data from published research is openly available?

Answered: 91 Skipped: 156



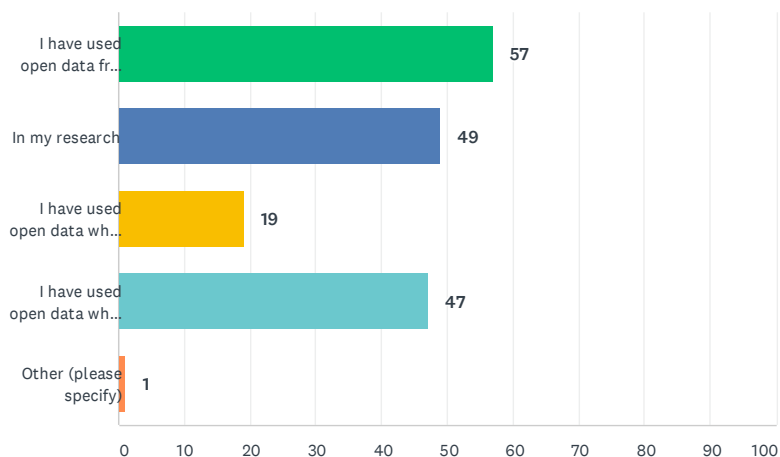
ANSWER CHOICES	RESPONSES	
Extremely important	57.14%	52
Somewhat important	38.46%	35
Somewhat unimportant	1.10%	1
Not at all important	2.20%	2
Research publications in my field are not based on data	1.10%	1
<b>TOTAL</b>		<b>91</b>



TRAIN RESEARCH DATA MANAGEMENT

Q27 Have you engaged in Open Data practices? (tick all that apply)

Answered: 91 Skipped: 156



ANSWER CHOICES	RESPONSES	
I have used open data from other sources (e.g., researchers, government, etc.)	62.64%	57
In my research	53.85%	49
I have used open data when peer-reviewing other researchers' work	20.88%	19
I have used open data when reading other researchers' work	51.65%	47
Other (please specify)	1.10%	1
Total Respondents: 91		

#	OTHER (PLEASE SPECIFY)	DATE
1	A have not used open data	7/9/2021 6:54 AM

## TRAIN RESEARCH DATA MANAGEMENT

## Q28 If you have released Open Data Datasets or Open Source Code, can you provide a link to it?

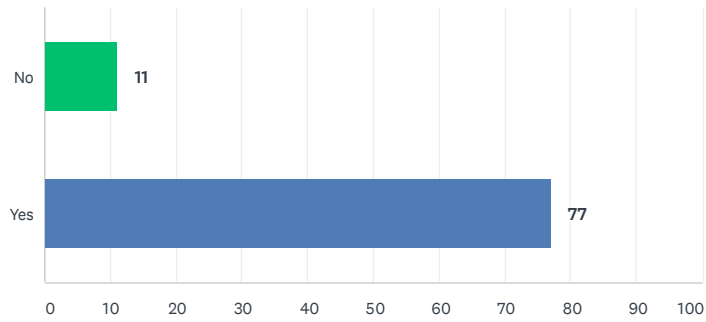
Answered: 28 Skipped: 219

#	RESPONSES	DATE
1	Not applicable	8/31/2021 1:17 PM
2	yes	8/31/2021 11:09 AM
3	I have used Zenodo	8/27/2021 12:58 PM
4	All my repos for research and academic work are available here: <a href="https://github.com/nikcleju/">https://github.com/nikcleju/</a>	8/27/2021 9:39 AM
5	Github	8/26/2021 6:50 PM
6	-	8/26/2021 12:50 PM
7	<a href="https://sci-hub.se/">https://sci-hub.se/</a>	8/26/2021 12:05 PM
8	<a href="https://data.europa.eu/euodp/en/data/dataset">https://data.europa.eu/euodp/en/data/dataset</a> <a href="https://www.iea.org/analysis">https://www.iea.org/analysis</a>	8/26/2021 10:05 AM
9	No	8/26/2021 8:37 AM
10	no	8/26/2021 8:24 AM
11	No.	7/20/2021 8:53 AM
12	<a href="https://zenodo.org/record/4750904#.YO_qdUzOOUI">https://zenodo.org/record/4750904#.YO_qdUzOOUI</a>	7/15/2021 8:58 AM
13	Not yet	7/13/2021 4:39 PM
14	yes	7/11/2021 6:49 PM
15	no	7/10/2021 5:39 PM
16	- ORCID code: ORCID- 0000- 0003- 4887- 1123	7/10/2021 11:33 AM
17	-	7/9/2021 4:50 PM
18	<a href="https://www.researchgate.net/profile/Gabriela-Marchis">https://www.researchgate.net/profile/Gabriela-Marchis</a> <a href="https://vsdanubius.academia.edu/GabrielaMarchis?from_navbar=true">https://vsdanubius.academia.edu/GabrielaMarchis?from_navbar=true</a>	7/9/2021 2:14 PM
19	No	7/9/2021 1:57 PM
20	I have not an open data dataset	7/9/2021 6:54 AM
21	<a href="https://github.com/emanuelegiona">https://github.com/emanuelegiona</a>	7/8/2021 6:09 PM
22	I am not sure	7/8/2021 3:46 PM
23	<a href="https://github.com/ROOT-Sim/core">https://github.com/ROOT-Sim/core</a>	7/8/2021 3:16 PM
24	Tools that we developed are outdated, but still available: <a href="https://www.il-pib.pl/pl/produkty-open-source/dash-http-2">https://www.il-pib.pl/pl/produkty-open-source/dash-http-2</a> <a href="https://www.il-pib.pl/pl/produkty-open-source/abma">https://www.il-pib.pl/pl/produkty-open-source/abma</a>	7/5/2021 10:49 AM
25	<a href="http://www.github.com/beia">www.github.com/beia</a>	7/3/2021 2:36 PM
26	Yes	7/3/2021 11:30 AM
27	<a href="https://www.racai.ro/p/lod/index.html">https://www.racai.ro/p/lod/index.html</a>	7/2/2021 2:22 PM
28	<a href="https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/WIOZ8E">https://dataverse.harvard.edu/dataset.xhtml?persistentId=doi:10.7910/DVN/WIOZ8E</a>	7/2/2021 11:08 AM

TRAIN RESEARCH DATA MANAGEMENT

Q29 Do you publish Research?

Answered: 88 Skipped: 159



ANSWER CHOICES		RESPONSES	
No		12.50%	11
Yes		87.50%	77
TOTAL			88

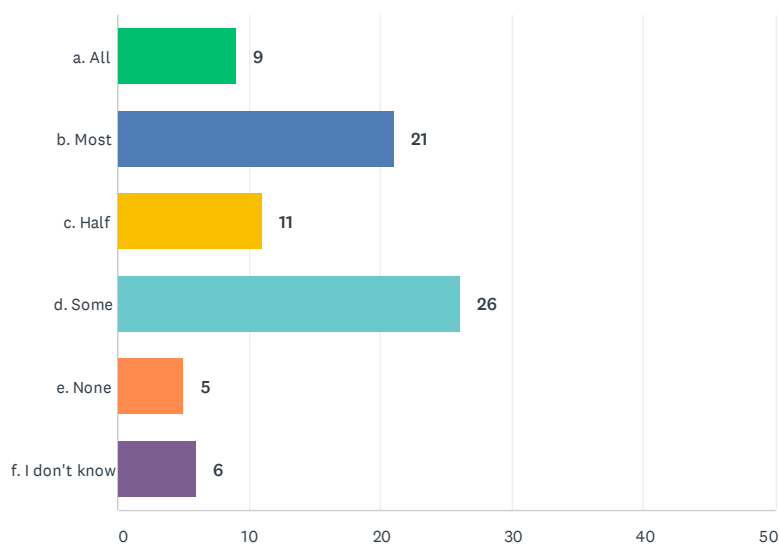
  

#	OTHER (PLEASE SPECIFY)	DATE
	There are no responses.	

## TRAIN RESEARCH DATA MANAGEMENT

## Q30 Approximately what proportion of your publications from the last 5 years are open access?

Answered: 78 Skipped: 169



ANSWER CHOICES	RESPONSES
a. All	11.54% 9
b. Most	26.92% 21
c. Half	14.10% 11
d. Some	33.33% 26
e. None	6.41% 5
f. I don't know	7.69% 6
TOTAL	78

#	PLEASE PROVIDE LINKS IF YOU SELECTED A,B,C, OR D ABOVE	DATE
1	Too many to list	8/27/2021 1:02 PM
2	<a href="https://github.com/nikleju/">https://github.com/nikleju/</a>	8/27/2021 9:42 AM
3	<a href="https://bulletin.incas.ro/">https://bulletin.incas.ro/</a> <a href="https://www.researchgate.net/profile/Irina-Andrei/research">https://www.researchgate.net/profile/Irina-Andrei/research</a> <a href="https://scholar.google.com/citations?hl=ro&amp;user=P6P551cAAAAJ">https://scholar.google.com/citations?hl=ro&amp;user=P6P551cAAAAJ</a> <a href="https://orcid.org/0000-0002-0086-3426">https://orcid.org/0000-0002-0086-3426</a> <a href="https://stemedulab.pubpub.org/contact">https://stemedulab.pubpub.org/contact</a> <a href="https://iajas.pubpub.org/dash/overview">https://iajas.pubpub.org/dash/overview</a>	8/26/2021 3:30 PM
4	<a href="https://www.mdpi.com/journal/sensors">https://www.mdpi.com/journal/sensors</a> <a href="http://revue.elth.pub.ro/">http://revue.elth.pub.ro/</a> <a href="https://aece.ro/">https://aece.ro/</a>	8/26/2021 10:28 AM
5	<a href="http://www.bulipi-eee.tuiasi.ro/index_en.html">http://www.bulipi-eee.tuiasi.ro/index_en.html</a>	8/26/2021 8:51 AM
6	16. Marica, Dumitrasco. The role of country's institutions in the valorization of potential the liberal foreign trade policy - The case of the Republic of Moldova, in: Smart Cities and Regional Development (SCRD) Journal, [S.l.], v. 3, n. 2, p. 17- 31, June 2019. ISSN 2537-3803. Available at: <a href="http://www.scrd.eu/index.php/scrdd/article/view/53">http://www.scrd.eu/index.php/scrdd/article/view/53</a>	7/11/2021 7:00 PM
7	- ORCID code: ORCID- 0000- 0003- 4887- 1123, - Brainmap catalogue code: U- 1700- 038J-	7/10/2021 11:52 AM

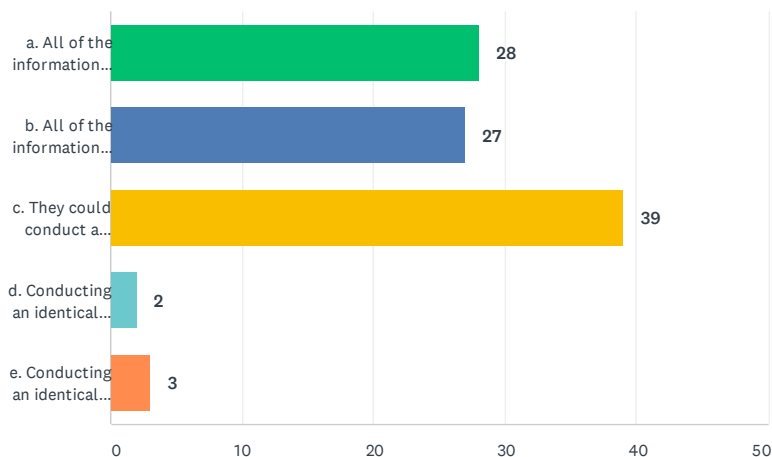
## TRAIN RESEARCH DATA MANAGEMENT

	7171	
8	<a href="https://vsdanubius.academia.edu/GabrielaMarchis?from_navbar=true">https://vsdanubius.academia.edu/GabrielaMarchis?from_navbar=true</a> <a href="https://www.researchgate.net/profile/Gabriela-Marchis">https://www.researchgate.net/profile/Gabriela-Marchis</a>	7/9/2021 2:19 PM
9	<a href="https://palaeo-electronica.org/content/2019/2732-bartonian-fish-from-transylvania">https://palaeo-electronica.org/content/2019/2732-bartonian-fish-from-transylvania</a>	7/9/2021 1:54 PM
10	<a href="https://www.ledizioni.it/categoria-prodotto/sociology/quaderni-del-cerm/">https://www.ledizioni.it/categoria-prodotto/sociology/quaderni-del-cerm/;</a> <a href="https://www.tochina.it/research/orizzonte-cina;">https://www.tochina.it/research/orizzonte-cina;</a>	7/8/2021 4:52 PM
11	<a href="https://benthamopen.com/ABSTRACT/TOBIOIJ-11-61">https://benthamopen.com/ABSTRACT/TOBIOIJ-11-61</a> <a href="http://www.mdpi.com/1424-8220/18/1/160">http://www.mdpi.com/1424-8220/18/1/160</a> <a href="https://doi.org/10.1016/j.procs.2017.08.309">https://doi.org/10.1016/j.procs.2017.08.309</a> <a href="https://link.springer.com/book/10.1007%2F978-3-030-10752-9">https://link.springer.com/book/10.1007%2F978-3-030-10752-9</a> <a href="http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;number=8636949&amp;isnumber=8600701">http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&amp;number=8636949&amp;isnumber=8600701</a> <a href="https://op.europa.eu/es/publication-detail/-/publication/36d88e41-d6c3-11ea-adf7-01aa75ed71a1/language-es">https://op.europa.eu/es/publication-detail/-/publication/36d88e41-d6c3-11ea-adf7-01aa75ed71a1/language-es</a> , doi: 10.2759/39178, ISBN 978-92-76-17850-7 <a href="https://ieeexplore.ieee.org/document/7883880">https://ieeexplore.ieee.org/document/7883880</a>	7/5/2021 11:36 AM
12	<a href="https://www.mdpi.com/1424-8220/21/2/399">https://www.mdpi.com/1424-8220/21/2/399</a>	7/5/2021 11:16 AM
13	cf Academia or Linkefln	7/5/2021 10:46 AM
14	Not clear to what should be the links.	7/4/2021 8:09 AM
15	Conference proceedings	7/4/2021 5:14 AM
16	<a href="https://scholar.google.ro/citations?hl=en&amp;user=U2uyudEAAAAJ">https://scholar.google.ro/citations?hl=en&amp;user=U2uyudEAAAAJ</a>	7/3/2021 2:40 PM
17	open access by the publisher - for example, MDPI	7/3/2021 11:57 AM
18	ACL archive	7/2/2021 2:28 PM
19	<a href="https://ieeexplore.ieee.org/document/9312045">https://ieeexplore.ieee.org/document/9312045</a>	7/2/2021 11:14 AM

TRAIN RESEARCH DATA MANAGEMENT

**Q31 How feasible would it be for another researcher with similar resources to attempt to conduct an identical study (including data collection and analysis)**

Answered: 78 Skipped: 169



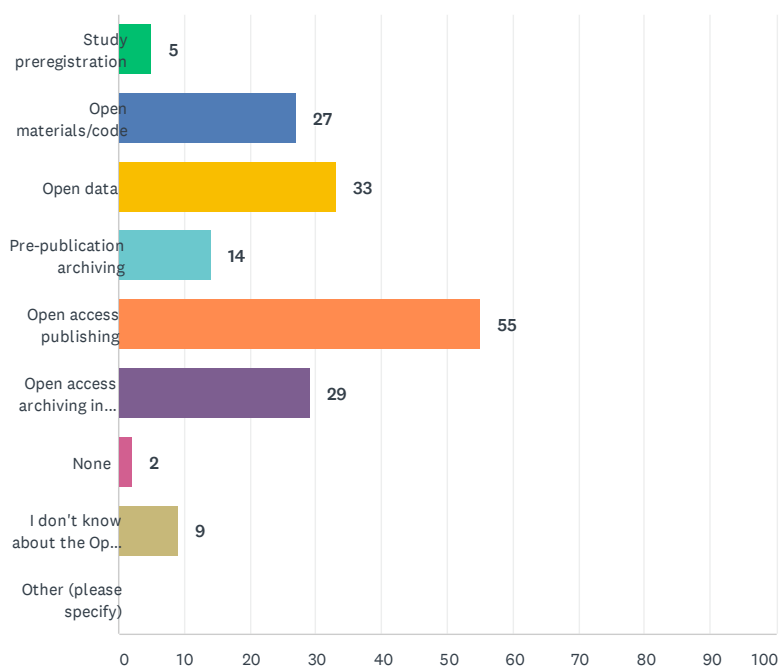
ANSWER CHOICES	RESPONSES
a. All of the information they need to conduct an identical study is in the publication(s) of my work	35.90% 28
b. All of the information they need to conduct an identical study is openly available	34.62% 27
c. They could conduct a similar study based on available information, but would require additional information from my research team to conduct an identical study	50.00% 39
d. Conducting an identical study would not be possible because there was a specific event (e.g., a hurricane, a terrorist event) that defined the context of the study (please explain)	2.56% 2
e. Conducting an identical study would not be possible for other reasons (please explain)	3.85% 3
Total Respondents: 78	

#	IF YOU SELECTED D OR E ABOVE PLEASE EXPLAIN THE REASONS WHY AN IDENTICAL STUDY COULD NOT BE CONDUCTED	DATE
1	I've tried to conduct a similar study based on the available information and I've found out that it was a big lie and the data were fabricated.	8/26/2021 12:15 PM
2	Professional secrecy.	7/20/2021 9:02 AM

TRAIN RESEARCH DATA MANAGEMENT

Q32 Which of the following Open Science practices (if any) are commonly used in your field? (tick all that apply)

Answered: 79 Skipped: 168

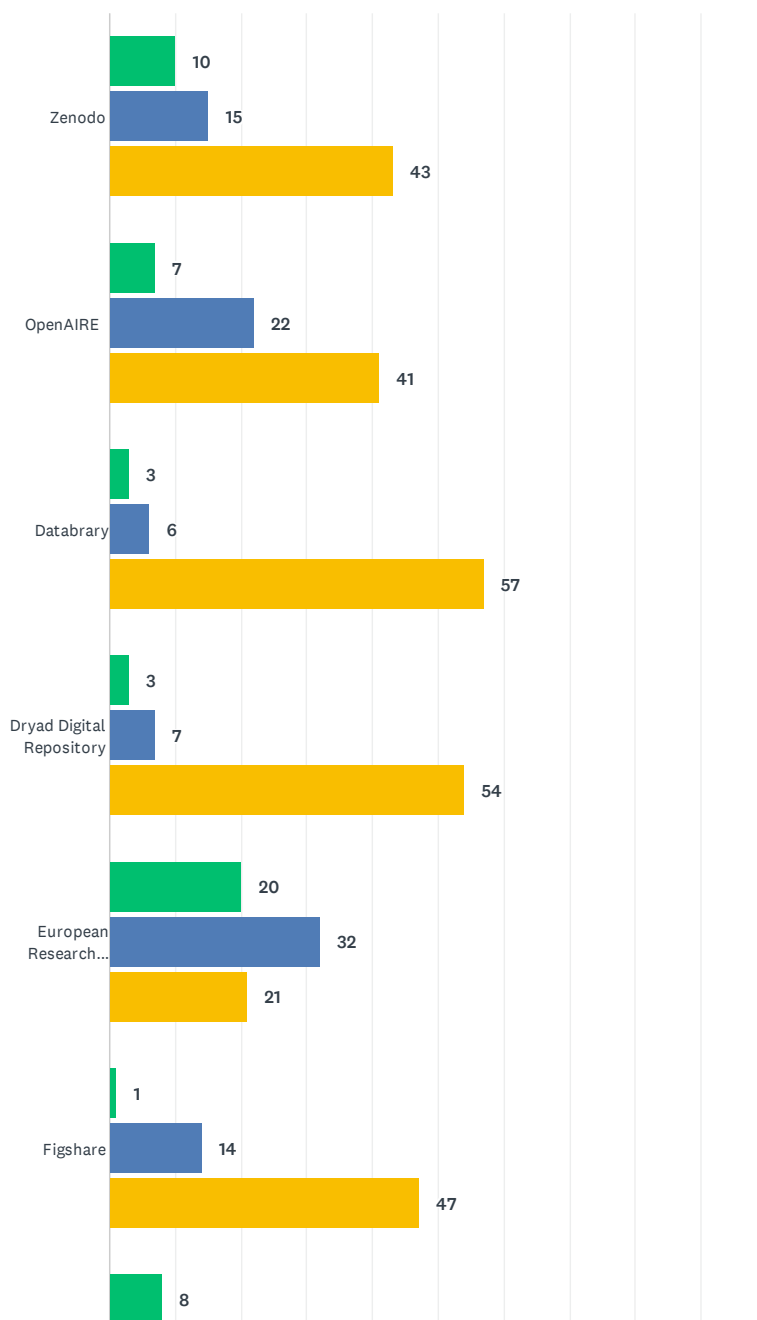


ANSWER CHOICES	RESPONSES
Study preregistration	6.33% 5
Open materials/code	34.18% 27
Open data	41.77% 33
Pre-publication archiving	17.72% 14
Open access publishing	69.62% 55
Open access archiving in a repository	36.71% 29
None	2.53% 2
I don't know about the Open Science practices of researchers in my field	11.39% 9
Other (please specify)	0.00% 0
Total Respondents: 79	
#	OTHER (PLEASE SPECIFY)
	There are no responses.

TRAIN RESEARCH DATA MANAGEMENT

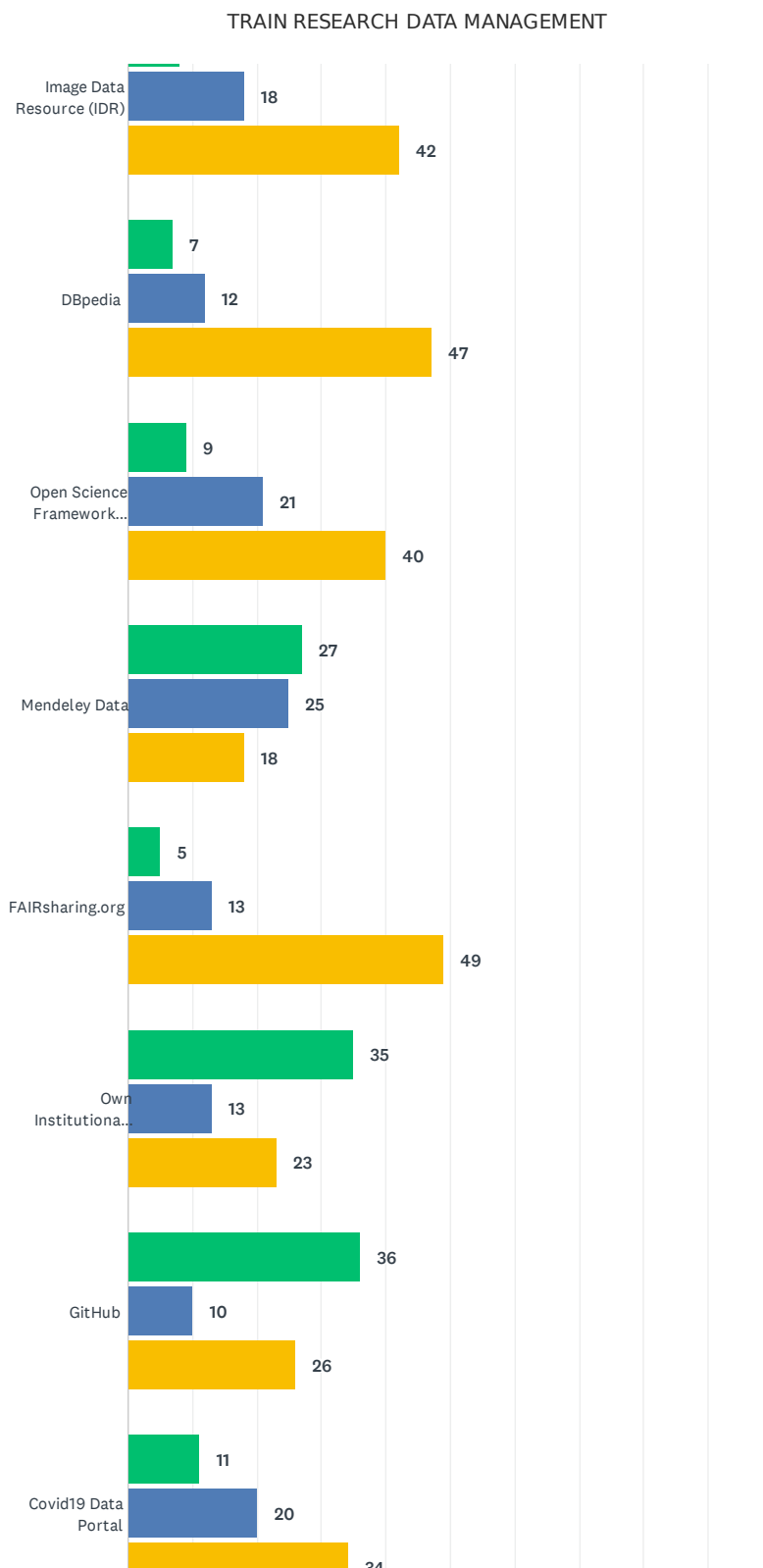
Q33 Please indicate your awareness of each of the Open Science resources listed below. If there are other resources that you use or are aware of, please enter them in the "other" box at the bottom of the table.

Answered: 78 Skipped: 169



48 / 57





49 / 57

TRAIN RESEARCH DATA MANAGEMENT



■ I use this   
 ■ I'm aware of it, but don't use it   
 ■ I'm unaware of this

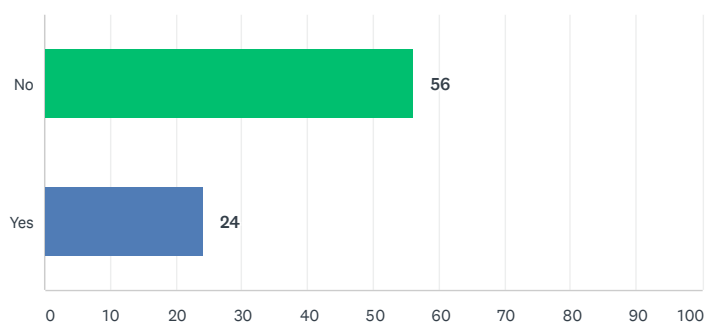
	I USE THIS	I'M AWARE OF IT, BUT DON'T USE IT	I'M UNAWARE OF THIS	TOTAL	WEIGHTED AVERAGE
Zenodo	14.71% 10	22.06% 15	63.24% 43	68	0.51
OpenAIRE	10.00% 7	31.43% 22	58.57% 41	70	0.51
Databrary	4.55% 3	9.09% 6	86.36% 57	66	0.18
Dryad Digital Repository	4.69% 3	10.94% 7	84.38% 54	64	0.20
European Research Infrastructure Consortium (ERIC) Repository	27.40% 20	43.84% 32	28.77% 21	73	0.99
Figshare	1.61% 1	22.58% 14	75.81% 47	62	0.26
Image Data Resource (IDR)	11.76% 8	26.47% 18	61.76% 42	68	0.50
DBpedia	10.61% 7	18.18% 12	71.21% 47	66	0.39
Open Science Framework (OSF.io)	12.86% 9	30.00% 21	57.14% 40	70	0.56
Mendeley Data	38.57% 27	35.71% 25	25.71% 18	70	1.13
FAIRsharing.org	7.46% 5	19.40% 13	73.13% 49	67	0.34
Own Institutional publication/data repository	49.30% 35	18.31% 13	32.39% 23	71	1.17
GitHub	50.00% 36	13.89% 10	36.11% 26	72	1.14
Covid19 Data Portal	16.92% 11	30.77% 20	52.31% 34	65	0.65

#	OTHER- IF YOU USE OR ARE AWARE OF OTHER RESOURCES IN YOUR DISCIPLINE, PLEASE LIST THEM BELOW, INCLUDING A URL FOR THE RESOURCE, WHERE POSSIBLE (E.G. SLOAN DIGITAL SKY SURVEY; ADDITIONAL NAME(S): SDSS; URL: HTTPS://WWW.SDSS.ORG/ )	DATE
1	MATHWORKS, MIT repositories	8/26/2021 6:54 PM
2	IEEE DataPort	8/26/2021 8:51 AM
3	<a href="https://ctext.org/">https://ctext.org/</a> <a href="http://demo.istat.it/">http://demo.istat.it/</a>	7/8/2021 4:52 PM
4	LINDAT	7/2/2021 2:28 PM

TRAIN RESEARCH DATA MANAGEMENT

Q34 Are there any barriers that prevent you from adopting Open Science practices?

Answered: 78 Skipped: 169



ANSWER CHOICES	RESPONSES
No	71.79% 56
Yes	30.77% 24
Total Respondents: 78	

#	IF "YES" WHAT ARE THE BARRIERS?	DATE
1	ethical	8/27/2021 2:50 PM
2	Financial	8/27/2021 1:02 PM
3	Luck of funding	8/27/2021 11:59 AM
4	Financial	8/26/2021 2:45 PM
5	Company commercial trading rules.	8/26/2021 1:04 PM
6	Lack of funding.	8/26/2021 12:15 PM
7	lack of available time	8/26/2021 10:28 AM
8	Time to learn and practice them	8/26/2021 8:51 AM
9	potentially costs which are not covered by public research funding	8/26/2021 8:34 AM
10	Professional secrecy and lack of funding.	7/20/2021 9:02 AM
11	Our managers and also our Ministry are not appreciating the articles published by an Open Acces system	7/10/2021 11:52 AM
12	Time, Skills, Cost and lack of Road maps	7/10/2021 4:04 AM
13	The fee.	7/9/2021 9:07 PM
14	Costs of publishing Open Data	7/9/2021 1:54 PM
15	National and European privacy laws	7/8/2021 4:52 PM
16	Some publishers disclose it.	7/5/2021 11:36 AM
17	Insufficient knowledge about these practices, eligibility and availability of costs to support OS practices.	7/5/2021 10:57 AM
18	Novelty of the concept and not knowing exactly the benefits of using Open Science practices	7/3/2021 3:27 PM
19	work we pursue is pre-patenting, very much related to industry and contract confidentiality	7/3/2021 11:57 AM

TRAIN RESEARCH DATA MANAGEMENT

(including by consortium agreements!) prevails

---

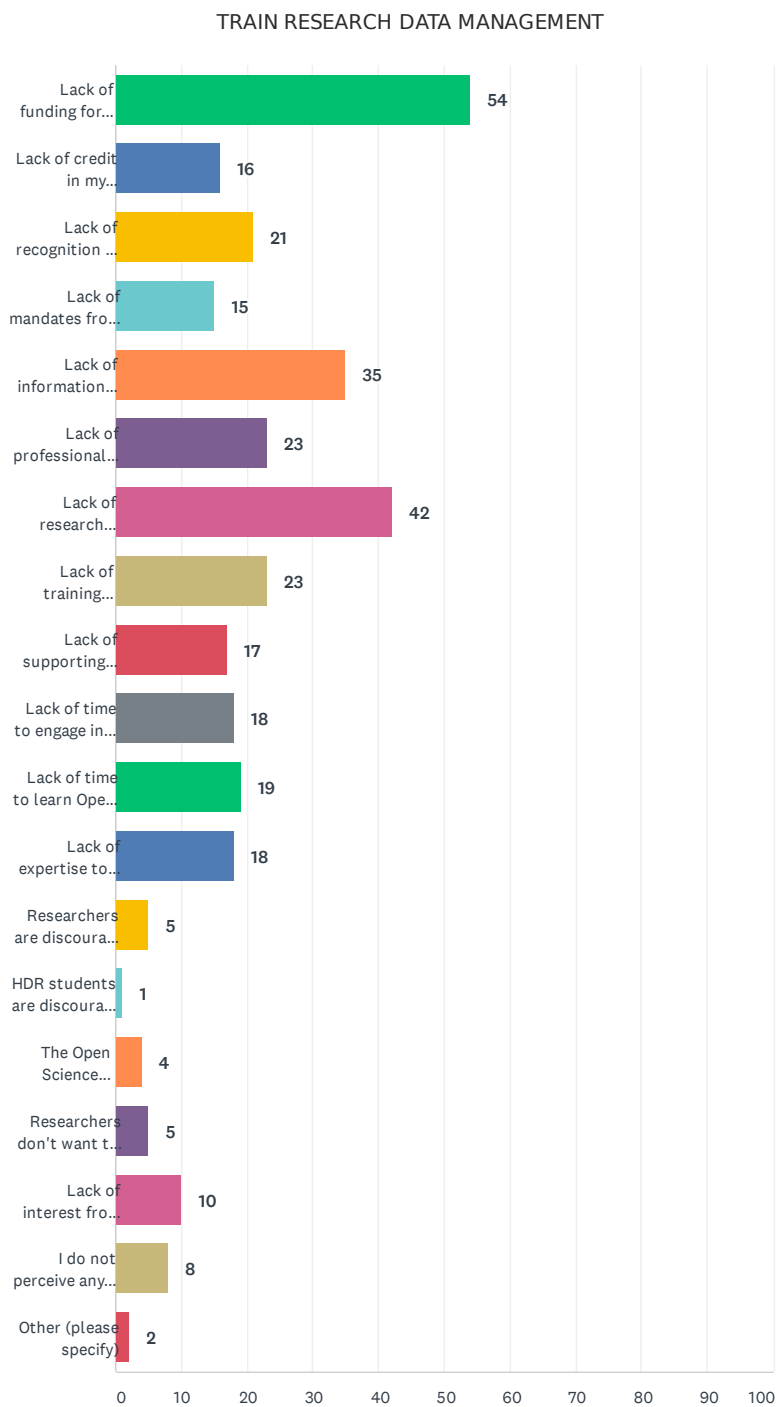
20	Some of the data I work with comes from other sources and have limitations on our rights for usage.	7/2/2021 2:28 PM
----	---	------------------

---

TRAIN RESEARCH DATA MANAGEMENT

**Q35** 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 (tick all that apply)

Answered: 78 Skipped: 169



TRAIN RESEARCH DATA MANAGEMENT

ANSWER CHOICES	RESPONSES	
Lack of funding for open access publishing	69.23%	54
Lack of credit in my institution for engaging in Open Science	20.51%	16
Lack of recognition in my field about the value of Open Science practices	26.92%	21
Lack of mandates from funders, institutions or other regulators	19.23%	15
Lack of information about Open Science practices	44.87%	35
Lack of professional staff that provide support for Open Science practices	29.49%	23
Lack of research funding to support Open Science practices	53.85%	42
Lack of training required to implement Open Science practices	29.49%	23
Lack of supporting infrastructure (e.g., open data platforms)	21.79%	17
Lack of time to engage in Open Science practices	23.08%	18
Lack of time to learn Open Science practices	24.36%	19
Lack of expertise to engage in Open Science practices (e.g., assignment of metadata)	23.08%	18
Researchers are discouraged from engaging in Open Science practices by their colleagues	6.41%	5
HDR students are discouraged from engaging in Open Science practices by thesis supervisors	1.28%	1
The Open Science community is intimidating	5.13%	4
Researchers don't want to be told how to do their research	6.41%	5
Lack of interest from researchers	12.82%	10
I do not perceive any barriers	10.26%	8
Other (please specify)	2.56%	2
Total Respondents: 78		

#	OTHER (PLEASE SPECIFY)	DATE
1	Commercial IP protection lows	8/26/2021 1:04 PM
2	In the field of applied research "impact on the market" is requested usually. For this an research organisation has to follow dedicated busienss models , for which OS potentially might be in contradiction.	8/26/2021 8:34 AM

## TRAIN RESEARCH DATA MANAGEMENT

## Q36 Are there barriers to maximising the use of an institutional repository? Please explain.

Answered: 34 Skipped: 213

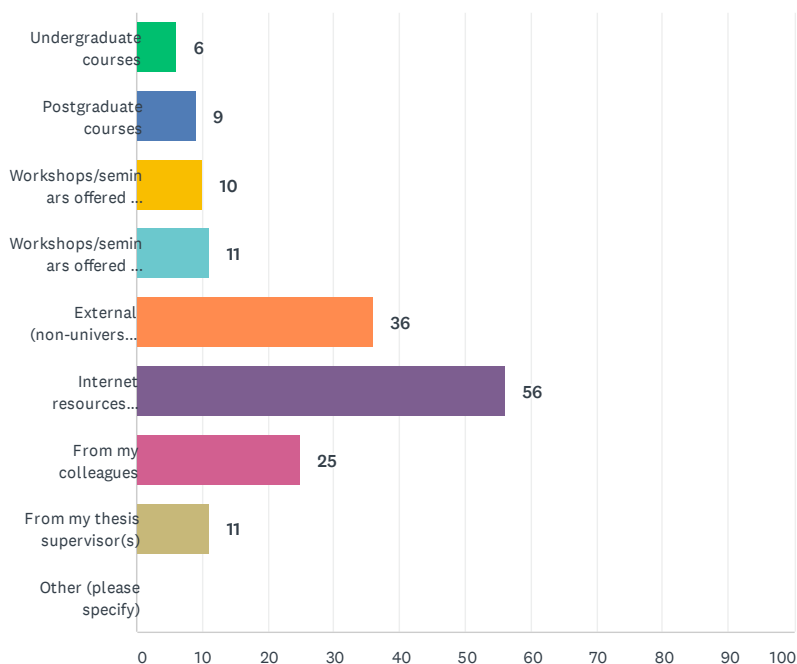
#	RESPONSES	DATE
1	no	8/28/2021 9:32 AM
2	Don't know	8/27/2021 1:02 PM
3	Our university does not have an institutional repository.	8/27/2021 9:42 AM
4	no	8/26/2021 7:51 PM
5	Infrastructure	8/26/2021 6:54 PM
6	The costs	8/26/2021 1:04 PM
7	Yes, intellectual property rights.	8/26/2021 12:54 PM
8	No.	8/26/2021 12:15 PM
9	the university library should be more active and to be transformed in information center.	8/26/2021 10:28 AM
10	Lack of staff to manage institutional repository. Now, much of the work is done voluntarily.	8/26/2021 8:51 AM
11	No	8/26/2021 8:40 AM
12	no	8/26/2021 8:34 AM
13	No.	7/20/2021 9:02 AM
14	Don't know	7/13/2021 4:45 PM
15	Lack of Institutional capacity in terms of knowledge, professionals, time and funding.	7/10/2021 4:04 AM
16	There is no institutional repository.	7/9/2021 9:07 PM
17	-	7/9/2021 4:52 PM
18	no	7/9/2021 2:35 PM
19	No	7/9/2021 2:03 PM
20	-	7/9/2021 1:34 PM
21	There are not barriers I think	7/9/2021 6:57 AM
22	Some institutional repositories may not be open to everyone who wants to access published results.	7/8/2021 6:14 PM
23	I think it simply hasn't been tried yet, at least not in my Department	7/8/2021 4:52 PM
24	Don't know	7/8/2021 3:50 PM
25	An istitutional repository is yet another home brewed service that need maintenance.	7/8/2021 3:16 PM
26	In lack of funding people regret to apply in opeb source journals.	7/5/2021 11:36 AM
27	I have no opinion on this topic	7/5/2021 11:16 AM
28	No	7/5/2021 7:37 AM
29	lake of knowledge in using	7/4/2021 5:14 AM
30	I don't know	7/3/2021 3:27 PM
31	Visibility	7/3/2021 2:40 PM
32	No	7/3/2021 10:04 AM
33	I am not aware of this.	7/2/2021 2:28 PM
34	No	7/2/2021 11:14 AM



TRAIN RESEARCH DATA MANAGEMENT

Q37 Where did you learn about Open Science practices? (tick all that apply)

Answered: 78 Skipped: 169



ANSWER CHOICES	RESPONSES
Undergraduate courses	7.69% 6
Postgraduate courses	11.54% 9
Workshops/seminars offered by my university	12.82% 10
Workshops/seminars offered by another university	14.10% 11
External (non-university) workshops/conferences	46.15% 36
Internet resources (including social media)	71.79% 56
From my colleagues	32.05% 25
From my thesis supervisor(s)	14.10% 11
Other (please specify)	0.00% 0
Total Respondents: 78	

#	OTHER (PLEASE SPECIFY)	DATE
	There are no responses.	

# B

## TRAINRDM Survey Part 2: Complete Set of Results

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#1

INCOMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Wednesday, June 23, 2021 11:36:14 AM  
**Last Modified:** Wednesday, June 23, 2021 12:21:04 PM  
**Time Spent:** 00:44:49  
**IP Address:** 193.230.3.5

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **ICI BUCURESTI**

Institution Name:

---

Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

---

**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Understanding Research Data

---

Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

---

**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Data Management Planning

---

Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question

3. Working with Data Survey

---

**Q8** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question

4. Archiving Data Survey

---

**Q10** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question

5. Working with Personal and Sensitive Data Survey

---

**Q12** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question

6. Data Cleaning with OpenRefine Survey

---

**Q14** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

---

Page 10: Visualising Data

**Q15** Respondent skipped this question

7. Visualising Data Survey

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

---

Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

---

Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#2

COMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Friday, June 25, 2021 9:12:38 AM  
**Last Modified:** Friday, June 25, 2021 9:31:14 AM  
**Time Spent:** 00:18:35  
**IP Address:** 128.131.238.201

---

Page 1: Background

**Q1**

Agree

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2**

TECHNISCHE UNIVERSITAET WIEN

Institution Name:

---

Page 4: Understanding Research Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q3**

1. Understanding Research Data Survey

What training is available and might be shared

With respect to training, there are a number of workshops (e.g. DMP and research ethics, GitLab etc.) and lectures (e.g. Scientific work: Publishing and Dissemination, Data Stewardship, etc.) that are open to all active researchers at TU Wien, including PhD students. As for legal and ethical issues, there are workshops on topics like sensitive data in research as well as data protection and IPR issues. The topic of FAIR data is advanced through the TU involvement in the FAIR Office Austria. Levels involved: Legal experts from research administration/RTI support, Research Ethics Coordinator, Center for RDM, Library, Faculty of Informatics

Target audience

PhD Students, Post Docs, Researchers

Learning contexts

Digital teaching in all faculties is further developed, especially with regard to interactivity and time- and location-independent learning content (platform TUWEL). Digital laboratories to support digital methods in teaching will be established. Levels involved: IT Services, Campus Development Systems, Library, various sections within Vice Rectorate for Academic Affairs.

Training resources

<https://hdl.handle.net/11353/10.1168881>

What accredited programmes/resources does your institution have?

Lecture (ETCS Course): Data Stewardship; Lecture (ETCS Course): Scholarly Communication, various workshops

**Q4**

Any additional information, Topics or Sub-topics on - Understanding Research Data

With the establishment of a Service Unit "Center for Research Data Management" and with anchoring of permanent skilled staff in other departments (e.g. Library, research administration/RTI support, research ethics coordination, etc.), TU Wien has committed to provide permanent RDM services. The development of data infrastructures and RDM tools is currently enabled through seed funding by the Austrian ministry of education and science.

Library: Library staff: Head of Service Group for Journals and Databases (negotiations with publishers); Service Group for Publication Services (metadata and version management in the institutional publication repository called repositUM, counselling and training for researchers and PhD students), Service Group for Scientometrics and Data Visualisation (assigning persistent identifiers)

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q5**

2. Data Management Planning Survey

What training is available and might be shared	<a href="https://hdl.handle.net/11353/10.1168881">https://hdl.handle.net/11353/10.1168881</a>
What skillsets are missing, or do you wish to have access to?	<b>Essentials for coding, data cleansing, electronic lab notebooks</b>
Target audience	<b>Students, PhD Students, support staff</b>

---

**Q6**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Management Planning

---

Page 6: Working with Data

**Q7**

3. Working with Data Survey

What training is available and might be shared	<b>Workshops held by Center for Research Data Management</b>
--	--

---

**Q8**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9**

4. Archiving Data Survey

What training is available and might be shared	<b>Workshops on the institutional repository</b>
Target audience	<b>all researchers and students at TU Wien</b>

---

**Q10**

Any additional information, Topics or Sub-topics on - Archiving Data

NB: Trainings are currently done on an individual basis since the repository will be rolled out officially in autumn 2021

---

Page 8: Working with Personal and Sensitive Data



TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q11**

5. Working with Personal and Sensitive Data Survey

What training is available and might be shared

**Legal experts at TU Wien provide regular workshops**

Training resources

**No public resources available. Trainers keep it tailored to TU Wien.**

---

**Q12**

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13**

6. Data Cleaning with OpenRefine Survey

What training is available and might be shared

**n.a.**

Training resources

**not available**

---

**Q14**

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Data Cleaning with OpenRefine

---

Page 10: Visualising Data

**Q15**

7. Visualising Data Survey

What training is available and might be shared

**Library of TU Wien established a (physical) Data Visualisation Lab. They provide individual trainings.**

Target audience

**All researchers and students of TU Wien; specific research groups**

---

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Visualising Data

---

Page 11: FAIR sharing and access

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q17**

8. FAIR sharing and access Survey

What training is available and might be shared	<b>At TU Wien there is a FAIR reference point for any FAIR questions.</b>
Target audience	<b>PhD Students and researchers, support staff, IT staff (developers)</b>
Training resources	<b>currently being created</b>

---

**Q18**

Any additional information, Topics or Sub-topics on - FAIR sharing and access

FAIR Office Austria: <https://fair-office.at/?lang=en>

---

Page 12: Documentation, metadata, citation

**Q19**

9. Documentation, metadata, citation Survey

What training is available and might be shared	<b>Trainings provided by Library (publication server) and Center for Research Data Management (data repository)</b>
Target audience	<b>PhD Students and Researchers</b>
Training resources	<b>Workshop material</b>

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Documentation, metadata, citation

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#3

INCOMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Monday, June 28, 2021 12:25:25 PM  
**Last Modified:** Tuesday, June 29, 2021 3:48:09 PM  
**Time Spent:** Over a day  
**IP Address:** 188.27.183.184

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **ICI BUCURESTI**

Institution Name:

---

Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

---

**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Understanding Research Data

---

Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

---

**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Data Management Planning

---

Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question

3. Working with Data Survey

---

**Q8** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question

4. Archiving Data Survey

---

**Q10** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question

5. Working with Personal and Sensitive Data Survey

---

**Q12** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question

6. Data Cleaning with OpenRefine Survey

---

**Q14** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

---

Page 10: Visualising Data

**Q15** Respondent skipped this question

7. Visualising Data Survey

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

---

Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

---

Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#4

INCOMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Wednesday, June 30, 2021 12:17:45 PM  
**Last Modified:** Wednesday, June 30, 2021 12:18:56 PM  
**Time Spent:** 00:01:11  
**IP Address:** 193.230.3.5

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **ICI BUCURESTI**

Institution Name:

---

Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

---

**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Understanding Research Data

---

Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

---

**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Data Management Planning

---

Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question  
3. Working with Data Survey

---

**Q8** Respondent skipped this question  
Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question  
4. Archiving Data Survey

---

**Q10** Respondent skipped this question  
Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question  
5. Working with Personal and Sensitive Data Survey

---

**Q12** Respondent skipped this question  
Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question  
6. Data Cleaning with OpenRefine Survey

---

**Q14** Respondent skipped this question  
Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

---

Page 10: Visualising Data

**Q15** Respondent skipped this question  
7. Visualising Data Survey

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

---

Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

---

Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

---



TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#5

INCOMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Friday, July 02, 2021 9:34:24 AM  
**Last Modified:** Friday, July 02, 2021 11:37:50 AM  
**Time Spent:** 02:03:25  
**IP Address:** 82.78.48.254

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **ICI BUCURESTI**

Institution Name:

---

Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

---

**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Understanding Research Data

---

Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

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**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Data Management Planning

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Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question

3. Working with Data Survey

---

**Q8** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question

4. Archiving Data Survey

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**Q10** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question

5. Working with Personal and Sensitive Data Survey

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**Q12** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question

6. Data Cleaning with OpenRefine Survey

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**Q14** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

---

Page 10: Visualising Data

**Q15** Respondent skipped this question

7. Visualising Data Survey

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

---

Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

---

Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#6

**INCOMPLETE**

**Collector:** Web Link 1 (Web Link)  
**Started:** Wednesday, July 07, 2021 5:42:22 PM  
**Last Modified:** Wednesday, July 07, 2021 5:43:39 PM  
**Time Spent:** 00:01:17  
**IP Address:** 193.230.3.5

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **ICI BUCURESTI**

Institution Name:

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Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

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**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Understanding Research Data

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Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

---

**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Data Management Planning

---

Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question

3. Working with Data Survey

---

**Q8** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question

4. Archiving Data Survey

---

**Q10** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question

5. Working with Personal and Sensitive Data Survey

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**Q12** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

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Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question

6. Data Cleaning with OpenRefine Survey

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**Q14** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

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Page 10: Visualising Data

**Q15** Respondent skipped this question

7. Visualising Data Survey

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

---

Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
FAIR sharing and access

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Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#7

**INCOMPLETE**

**Collector:** Web Link 1 (Web Link)  
**Started:** Friday, August 20, 2021 9:10:44 AM  
**Last Modified:** Friday, August 20, 2021 9:11:06 AM  
**Time Spent:** 00:00:21  
**IP Address:** 82.76.227.225

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

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Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **UNIVERSITATEA POLITEHNICA DIN BUCURESTI**

Institution Name:

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Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

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**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Understanding Research Data

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Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

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**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on -  
Data Management Planning

---

Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question  
3. Working with Data Survey

---

**Q8** Respondent skipped this question  
Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question  
4. Archiving Data Survey

---

**Q10** Respondent skipped this question  
Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question  
5. Working with Personal and Sensitive Data Survey

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**Q12** Respondent skipped this question  
Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question  
6. Data Cleaning with OpenRefine Survey

---

**Q14** Respondent skipped this question  
Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

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Page 10: Visualising Data

**Q15** Respondent skipped this question  
7. Visualising Data Survey

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

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Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

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**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
FAIR sharing and access

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Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#8

**COMPLETE**

**Collector:** Web Link 1 (Web Link)  
**Started:** Wednesday, August 25, 2021 8:58:08 AM  
**Last Modified:** Wednesday, August 25, 2021 9:01:42 AM  
**Time Spent:** 00:03:33  
**IP Address:** 109.166.133.80

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **UNIVERSITATEA POLITEHNICA DIN BUCURESTI**

Institution Name:

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Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

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**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Understanding Research Data

---

Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

---

**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Data Management Planning

---

Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question

3. Working with Data Survey

---

**Q8** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question

4. Archiving Data Survey

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**Q10** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

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Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question

5. Working with Personal and Sensitive Data Survey

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**Q12** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

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Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question

6. Data Cleaning with OpenRefine Survey

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**Q14** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

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Page 10: Visualising Data

**Q15** Respondent skipped this question

7. Visualising Data Survey

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

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Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

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Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#9

INCOMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Wednesday, August 25, 2021 9:05:18 AM  
**Last Modified:** Wednesday, August 25, 2021 9:05:34 AM  
**Time Spent:** 00:00:15  
**IP Address:** 109.166.133.80

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **UNIVERSITATEA POLITEHNICA DIN BUCURESTI**

Institution Name:

---

Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

---

**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Understanding Research Data

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Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

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**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Data Management Planning

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Page 6: Working with Data

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question

3. Working with Data Survey

---

**Q8** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Working with Data

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Page 7: Archiving Data

**Q9** Respondent skipped this question

4. Archiving Data Survey

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**Q10** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

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Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question

5. Working with Personal and Sensitive Data Survey

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**Q12** Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

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Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question

6. Data Cleaning with OpenRefine Survey

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**Q14** Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

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Page 10: Visualising Data

**Q15** Respondent skipped this question

7. Visualising Data Survey

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

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Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

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**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

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Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#10

INCOMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Thursday, August 26, 2021 12:30:26 PM  
**Last Modified:** Thursday, August 26, 2021 12:30:48 PM  
**Time Spent:** 00:00:21  
**IP Address:** 141.85.160.3

---

Page 1: Background

**Q1** **Agree**

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

**Q2** **UNIVERSITATEA POLITEHNICA DIN BUCURESTI**

Institution Name:

---

Page 4: Understanding Research Data

**Q3** **Respondent skipped this question**

1. Understanding Research Data Survey

---

**Q4** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Understanding Research Data

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Page 5: Data Management Planning

**Q5** **Respondent skipped this question**

2. Data Management Planning Survey

---

**Q6** **Respondent skipped this question**

Any additional information, Topics or Sub-topics on - Data Management Planning

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Page 6: Working with Data



TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q7** Respondent skipped this question  
3. Working with Data Survey

---

**Q8** Respondent skipped this question  
Any additional information, Topics or Sub-topics on -  
Working with Data

---

Page 7: Archiving Data

**Q9** Respondent skipped this question  
4. Archiving Data Survey

---

**Q10** Respondent skipped this question  
Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11** Respondent skipped this question  
5. Working with Personal and Sensitive Data Survey

---

**Q12** Respondent skipped this question  
Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

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Page 9: Data Cleaning with OpenRefine

**Q13** Respondent skipped this question  
6. Data Cleaning with OpenRefine Survey

---

**Q14** Respondent skipped this question  
Any additional information, Topics or Sub-topics on -  
Data Cleaning with OpenRefine

---

Page 10: Visualising Data

**Q15** Respondent skipped this question  
7. Visualising Data Survey

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TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

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Page 11: FAIR sharing and access

**Q17**

Respondent skipped this question

8. FAIR sharing and access Survey

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**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

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Page 12: Documentation, metadata, citation

**Q19**

Respondent skipped this question

9. Documentation, metadata, citation Survey

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

---

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

#11

COMPLETE

**Collector:** Web Link 1 (Web Link)  
**Started:** Thursday, September 02, 2021 12:19:53 AM  
**Last Modified:** Thursday, September 02, 2021 12:38:23 AM  
**Time Spent:** 00:18:30  
**IP Address:** 3.85.191.166

---

Page 1: Background

Q1

Agree

ELECTRONIC CONSENT: Please select your choice below. Clicking on the "agree" button below indicates that:• you have read the above information• you voluntarily agree to participate• you are at least 18 years of age If you do not wish to participate in the research study, please decline participation by clicking on the "disagree" button.

---

Page 3: Part 2: Identification of thematic needs related to Research Data & RDM (9 items)

Q2

NATIONAL COLLEGE OF IRELAND

Institution Name:

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Page 4: Understanding Research Data

Q3

1. Understanding Research Data Survey

What training is available and might be shared

**Modules: Database and Analytics Programming ; Data Mining and Machine Learning I; Statistics for Data Analytics;**

What skillsets are missing, or do you wish to have access to?

**Research data best practices; Creating metadata**

Target audience

**Early Career Researchers and Postgraduate students**

Training resources

**Online access**

What accredited programmes/resources does your institution have?

**MSc in Data Analytics; MSc in Cloud Computing**

---

Q4

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Understanding Research Data

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Page 5: Data Management Planning

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q5**

2. Data Management Planning Survey

What training is available and might be shared	<b>Data Mining and Machine Learning II; Modelling, Simulation &amp; Optimization;</b>
What skillsets are missing, or do you wish to have access to?	<b>Working with sensitive data; Data sharing; Licensing data; Data preservation</b>
Target audience	<b>Early Career Researchers and Postgraduate students</b>
Training resources	<b>Online</b>
What accredited programmes/resources does your institution have?	<b>MSc in Data Analytics; MSc in Cloud Computing</b>

**Q6**

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Data Management Planning

Page 6: Working with Data

**Q7**

3. Working with Data Survey

What training is available and might be shared	<b>Data Intensive Architectures; Scalable Systems Programming</b>
What skillsets are missing, or do you wish to have access to?	<b>Control when research data are made public; Establish licensing rules around data; Make data easy for other researchers to discover;</b>
Target audience	<b>Early Career Researchers and Postgraduate Students</b>
Training resources	<b>Online</b>
What accredited programmes/resources does your institution have?	<b>MSc Data Analytics / MSc Cloud</b>

**Q8**

Respondent skipped this question

Any additional information, Topics or Sub-topics on - Working with Data

Page 7: Archiving Data

**Q9**

4. Archiving Data Survey

What training is available and might be shared	--
What skillsets are missing, or do you wish to have access to?	<b>Information curation and preservation</b>
Target audience	<b>Early Career Researchers and Postgraduate Students</b>

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q10**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Archiving Data

---

Page 8: Working with Personal and Sensitive Data

**Q11**

5. Working with Personal and Sensitive Data Survey

What training is available and might be shared

-

What skillsets are missing, or do you wish to have access to?

**GDPR compliance for Research Data; Ethics**

Target audience

**Early Career Researchers and Postgraduate Students**

---

**Q12**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- Working with Personal and Sensitive Data

---

Page 9: Data Cleaning with OpenRefine

**Q13**

6. Data Cleaning with OpenRefine Survey

What training is available and might be shared

-

---

**Q14**

Any additional information, Topics or Sub-topics on - Data Cleaning with OpenRefine

Good open resource for OpenRefine <https://librarycarpentry.org/lc-open-refine/>

---

Page 10: Visualising Data

**Q15**

7. Visualising Data Survey

What training is available and might be shared

-

---

**Q16**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Visualising Data

---

Page 11: FAIR sharing and access

TRAIN RESEARCH DATA MANAGEMENT - PARTNER SURVEY

**Q17**

8. FAIR sharing and access Survey

What training is available and might be shared

-

What skillsets are missing, or do you wish to have access to?

**FAIR policy rules for Horizon Europe projects**

---

**Q18**

Respondent skipped this question

Any additional information, Topics or Sub-topics on  
- FAIR sharing and access

---

Page 12: Documentation, metadata, citation

**Q19**

9. Documentation, metadata, citation Survey

What training is available and might be shared

-

---

**Q20**

Respondent skipped this question

Any additional information, Topics or Sub-topics on -  
Documentation, metadata, citation

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