

Explanation and related documents

This document contains the questionnaire for the 2020-2021 EUA Open Science Survey. The survey focused on the level of development of Open Science in European universities', addressing the role of Open Science in institutions' strategic priorities and its implementation in institutional practices. In addition, the survey transversally addressed both the established (Open Access, research data) and emerging (e.g. citizen science, open education) fields of Open Science.

The results of the survey are presented in the EUA report "[From Principles to Practices: Open Science at Europe's Universities. 2020-2021 EUA Open Science Survey results](http://doi.org/10.5281/zenodo.5062982)" (<http://doi.org/10.5281/zenodo.5062982>).

The questionnaire forms part of "Data for From principles to practices: Open Science at Europe's Universities. 2020-2021 EUA Open Science Survey Results" (<http://doi.org/10.5281/zenodo.4966025>), where the dataset and respective codebook are also made available.

Notes

- An ⊗ in a multiple-choice question indicates an exclusive response.
- Data for items denoted in **strikethrough** are not available in the public version of the data set.
- Display logic is indicated in *[italics]* in blue boxes above the respective question.

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2020-2021 EUA Open Science Survey

Context and objectives

The European University Association (EUA) is launching a consultation on a range of established and emerging elements related to Open Science, specifically their current state-of-play at European universities. This survey was developed by the EUA Secretariat in collaboration with the [EUA Expert Group on Science 2.0. and Open Science](#).

The previous editions of the EUA Open Science Survey have mainly focused on open access to research publications and data, namely between 2014-2018, and research assessment (2019). For the first time, this year's edition of the EUA Open Science Survey aims to gather a comprehensive view of institutions' strategic and operational transition towards Open Science and its different areas. The Survey takes an institutional perspective to collect information on the strategic importance and level of implementation in the form of policies, structures and practices of different Open Science areas.

The outcomes of this survey will support EUA in developing a broader and more integrated perspective of European universities' transition towards Open Science, identifying good practices, challenges and ways to support institutions during this transition. The outcomes of the survey will also contribute to identifying future priorities for the transition to Open Science in European research and innovation.

Filling in the survey

The survey should be filled by the people or departments involved in developing and implementing Open Science policies and activities at your institution. Due to the comprehensive scope of the survey, it is very likely that input from different colleagues with responsibilities in Open Science activities (e.g. open access, data sharing, infrastructure and support services, academic assessment, open education) will be needed. Please note, however, that only one response per institution should be submitted. The length of the survey varies according to the level of development of Open Science in your institution. Therefore, in some cases, more detailed follow-up questions may be shown.

Structure of the survey

This survey is structured in six parts:

- Part 1 includes questions on general data about your institution;
- Part 2 focuses on the role of Open Science in relation to your institutions' strategic priorities;
- Part 3 deals with the existence of institutional policies in different areas of open science;
- Part 4 focuses on available infrastructure and support services for open science activities;

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- Part 5 deals with Open Science practices in your institution;
- Part 6 focuses on the overall degree of development of Open Science in your institution.

Guidelines for filling out the survey

For the purpose of filling out this survey, please take the following guidelines into account:

- The survey should be filled out by the people or departments closely involved in developing and implementing Open Science policies and activities at your institution. However, please note that **only one response per institution should be submitted**.
- To facilitate collaboration between people and departments within your institution, please find [here] a printable PDF version of the survey. In case you need to consult with others within your institution, we suggest that you review the PDF version before you fill in the survey online. Please note that **only the online version** can be used to submit your final answers.
- The survey saves answers per page as you click the **“Next”** button and move to the following page. You can exit the survey if you wish and re-enter by copying the link you have received in the **same device and browser** from which you first accessed it. The pages you have filled in up to that point will be saved. Please note that you will also be able to go back and make changes to your answers before submitting them.

Please make sure you press the **“Submit”** button at the end of the survey. Otherwise your answers will not be recorded. After submitting the survey, you will be automatically redirected to an overview of your answers, which you can save in PDF format.

Technical assistance

Should you have questions or encounter technical problems while filling out this survey, please contact the EUA Research & Innovation Unit at research@eua.eu.

Confidentiality and privacy policy

The responses provided in this survey will be anonymised (removing all information that could directly identify an individual (personal information) or the respective institution) and made available in open access via a trusted repository. Neither you nor your institution will be identified in any publication from this study. Your participation in this study is confidential.

Personal data gathered in the course of the survey will be handled according to the [EUA privacy policy](#).

~~Do you agree with the Confidentiality and Privacy Policy?~~

Yes

Definitions

For the purposes of this survey, please consider the following definitions:

Academic assessment: the entire catalogue of methods that are used to evaluate the quality and impact of academic activities. Assessment outcomes are typically, but not necessarily used for the purposes of career progression, performance evaluation of academic units and allocating funding within the institution ([EUA Open Science and Access Survey 2019](#)).

Citizen Science: Citizen science is a broad term, covering that part of Open Science in which citizens can participate in the scientific research process in different possible ways: as observers, as funders, in identifying images or analysing data, or providing data themselves ([more](#)).

European Open Science Cloud (EOSC): The envisaged European data commons for the scientific community for storing, sharing and re-using scientific data and results, supported by high-capacity cloud solutions with super-computing capacity. EOSC is intended to function as a federated, globally accessible environment, where researchers, innovators, companies and the general public can publish, find and reuse each other's data and tools for research, innovation and educational purposes under well-defined and trusted conditions ([more](#)).

FAIR (Findable, Accessible, Interoperable, Re-usable): "The FAIR Data Principles are a set of guiding principles in order to make data findable, accessible, interoperable and reusable" ([Wilkinson et al., 2016](#)). "These principles provide guidance for scientific data management and stewardship and are relevant to all stakeholders in the current digital ecosystem. They directly address data producers and data publishers to promote maximum use of research data" ([Liber, 2017](#)). Horizon Europe, the next European research and innovation framework programme starting in 2021 will require projects to make their research data far. In 2018, the European Commission expert group on FAIR data published a [comprehensive report](#) on actions to implement the FAIR principles in Europe.

Open Education: a way of carrying out education, often using digital technologies. Its aim is to widen access and participation to everyone by removing barriers and making learning accessible, abundant, and customisable for all. It offers multiple ways of teaching and learning, building and sharing knowledge. It also provides a variety of access routes to formal and non-formal education, and connects the two ([more](#)).

Open Science: approach to the scientific process based on cooperative work and ways of disseminating knowledge, improving accessibility to and re-usability of research outputs by using digital technologies and collaborative tools ([more](#)).

Research Data Management: A "set of practices to handle information collected and created during research. [...] These practices involve, but are not limited to, data management planning, documentation, organization, storage, dissemination and preservation" ([Higman et al., 2019](#)).

Part 1. General information

Q1. Please indicate the country of your institution:

Q2. Please indicate below the country and name of your institution (in English).

This information is for internal use only, the name of your institution will not be disclosed.

Q3. Name and contact of the person answering the survey on behalf of the institution:

- First name _____
- Last name _____
- E-mail _____
- Position _____

Q3.1. Do you agree to be contacted by EUA at a later stage for a possible follow up on the survey?

- Yes
- No

Q4. Do you want to stay informed about the results of the survey, or EUA activities on Open Science by email?

Your contact information will be handled by EUA ([privacy policy](#)). Subscriptions to newsletters can be cancelled at any time. *(Tick all that apply)*

- I want to receive information about the results of the survey
- I want to stay informed about EUA activities in Open Science
- None of the above

Q5. How would you describe the profile of your institution?

- Comprehensive institution
- Specialised institution (e.g. medical science, music and arts school)
- University of applied sciences (college-type or professional education institution which does not award PhDs, or does so in only a few disciplines)
- Technical university/University of technology
- Open university (e.g. distance learning university)

Q5.1. How would you characterise your institution? (Tick all that apply)

- Mostly research-intensive
- Mostly teaching-led
- Both research-intensive and teaching-led

Q6. What is the total number of researchers (full time equivalent, FTE), including doctoral candidates, working at your institution?

- < 100
- 100-500
- 500-1000
- > 1000

Part 2. Institutional strategic orientation

This section includes questions on the overall role of open science in relation to your institution's strategic priorities. It focuses only on the general level of your institution's strategic orientations; more specific questions on the operationalisation of open science areas and activities will be presented in subsequent sections of the survey.

Q7. What is the level of importance of Open Science in relation to your institution's strategic priority areas? Please consider the different elements of Open Science and their development in your institution (e.g. open access to research publications, FAIR data, research data management, open innovation, open education, citizen science, etc.).

Don't know	Very low	Low	Neither high nor low	High	Very high
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q7.1. Please elaborate:

Q8. For each open science element presented in the table below, please assess its level of importance at your institution's strategic level and the degree of implementation that has been achieved so far.

For each cell in the table below, select one of the following options:

- Don't know
- Very low
- Low
- Neither high nor low
- High
- Very high

	Level of importance	Level of implementation
Open access to research publications		
Research data management		
FAIR data		
Data sharing		
Open research protocols		
Open source research software and code		
Open education		
Open evaluation		
Citizen science		
Science outreach and communication		

Q9. Does your institution have a concerted approach with other stakeholders in the area of open science (e.g. liaising with external organisations)? Please elaborate and indicate, where appropriate, who at the institutional level is involved in these activities:

Part 3. Policies and monitoring mechanisms

This section focuses on the implementation of policies and monitoring mechanisms at your institution in different areas of open science. It is divided in four sub-parts: i) policies, drivers and barriers for open science; ii) open access to research publications; iii) recent developments in scholarly communication and; iv) incentives, rewards and recognition of open sciences practices.

3.1. Open Science policies, drivers and barriers

Q10. Does your institution have a policy on Open Science? This may include open access to research publications, RDM, academic career assessment, citizen science, open education, etc.

- Yes
- No, but we are developing a policy
- No
- Don't know

Display This Question:

If Q10 = Yes

Q10.1. Is there one encompassing policy for open science, including different areas/elements (e.g. OA to publications, RDM, etc.) or are there several independent policies?

- We have one single institutional policy articulating different open science areas/elements and their interrelationship.
- We have separate institutional policies dealing with different areas/elements of open science (e.g. in different departments).
- Don't know

Display This Question:

If Q10 = Yes

Q10.2. Please specify the elements of your institution's policy(ies) on Open Science:

Elements related to research publications and data

	Yes, included as a mandatory element	Yes, included as an optional/encouragement element	Not included in institutional policy
Depositing of research articles in repository	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open access publishing of research articles in open access journals (via payment of APCs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open access books	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open access archival or special collections	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preprints	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Requirement for research data management planning (e.g. DMPs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preservation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions for data storage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions on FAIR data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions for data sharing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions for data protection (e.g. GDPR)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions on copyright and/or intellectual property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open research protocols	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific guidelines for sensitive data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions for specific disciplinary areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unique researcher identifiers (e.g. ORCID)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Unique identifiers for grants, projects, organisations, equipment or instrument usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Elements related to awareness, integrity and ethics, and assessment

	Yes, included as a mandatory element	Yes, included as an optional/encouragement element	Not included in institutional policy
Awareness raising activities, including training for early-stage researchers (i.e. doctoral candidates and postdocs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Specific training for senior faculty (e.g. full professors, PIs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions for research ethics and integrity committees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Establishment of ethics and integrity committees	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provisions for the institution to become signatory on research integrity or research development declarations/initiatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other elements

	Yes, included as a mandatory element	Yes, included as an optional/encouragement element	Not included in institutional policy
Open prototypes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizen science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open collaborative tools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open physical labs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crowdsource practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transdisciplinary research platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open evaluation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-design of research projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science outreach and communication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research impact and public benefit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (<i>please specify</i>)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Display This Question:

If Q10 = Yes

Q11. Who is primarily involved in developing and drafting policies on open science in your institution? (Tick all that apply)

- Academic leadership/management (e.g. rector, vice-rectors, etc.)
- Faculties/research departments
- Research administration
- Individual researchers/research units
- IT department
- Library
- Legal department
- Data protection office
- Other (please specify) _____
- Don't know

Display This Question:

If Q10 = Yes

Q12. At what level are open science policies primarily implemented in your institution? (Tick all that apply)

- Institutional/university level
- Faculty/department level
- Disciplinary level
- Research unit level
- Other (please specify) _____
- Don't know

Display This Question:

If Q10 = Yes

Q13. Is your institution's policy(ies) on Open Science subject to periodical review and monitoring?

- Yes
- No
- Don't know

Display This Question:

If Q13 = Yes

Q13.1. Please explain how the review process and monitoring are conducted and who is involved in this process.

Q14. Which of the following factors have been primarily responsible for your institution's transition towards open science? (Please tick only the three most important drivers)

- National policies or guidelines on Open Science (including open access, RDM, FAIR data, data sharing, etc.)
- EU policies or guidelines on Open Science (including open access, RDM, FAIR data, data sharing, etc.)
- External review processes requiring compliance with open science elements (e.g. open access to research articles, RDM plans, FAIR data, data sharing, science outreach and communication, etc.)
- Research funder requirements on Open Science (including research outputs available in open access, RDM, FAIR data, data sharing, science outreach and communication, etc.)
- Bottom-up initiatives from researchers
- Bottom-up initiatives from administrative staff or library staff
- Top-down initiatives from high leadership (rector, vice-rectors)
- Exchanges of good practices on Open Science with other higher education institutions
- Other (*please specify*)

Q15. From the perspective of your institution, what are the main barriers at institutional level in the transition to open science? (Please tick only the three most important barriers)

- Limited awareness at institutional level of the benefits of open science
- Concerns over the legal framework (e.g. data privacy, copyright regulations, publishers' rules)
- Absence of policies or guidelines at national level (e.g. from research funders)
- Technical complexity (e.g. lack of precise definitions, standards and procedures, variety of data formats)
- Different disciplinary practices
- Resistance to making data available or to sharing data
- Misconceptions of open science from the part of senior faculty or high leadership of the institution
- Concerns over increased costs (e.g. infrastructure, specialised staff)
- Lack of expertise and skilled staff on different areas of open science at institutional level
- Lack of coordination among the relevant actors within the university
- Lack of support structures at institutional level for researchers interested in open science activities
- Lack of awareness raising, including training opportunities, at institutional level for both early-stage researchers (i.e. doctoral candidates and postdocs) and senior faculty
- Absence of incentives to promote open science activities (e.g. absence of impact on academic career assessment and career progression)
- Other (*please specify*)

3.2. Open Access to research publications

Q16. Has your institution defined a specific target for open access to research publications and a timeline for achieving this target?

- Yes
- No
- Don't know

Display This Question:

If Q16 = Yes

Q16.1 What is your institution's target and timeline?

Target: ____%

Timeline: ____ (Year)

Comment:

Display This Question:

If Q16 = No

Q16.2. Are there any plans for having a target and a timeline? How is your institution dealing with monitoring of open access to publications?

Q17. Does your institution monitor the number of publications deposited by researchers in the institution's own or shared repository?

- Yes
- No
- Don't know

Comments

Q18. Does your institution monitor the number of publications authored from researchers from your institution and published in open access journals (excluding hybrid journals)?

- Yes
- No
- Don't know

Comments

Q19. Does your institution monitor the cost of publications authored from researchers from your institution and published in open access journals?

- Yes
- No
- Don't know

Comments

Display This Question:

If Q17 = No OR Q18= No OR Q19= No

Q19.1. Please indicate if your institution is planning to implement any monitoring mechanisms in the near future and the challenges you are encountering in this process.

3.3. Recent developments in scholarly communication

Q20. Is your institution preparing for the implementation of Plan S?

- Yes
- No
- Don't know

Display This Question:

If Q20= Yes

Q20.1. Please indicate who is involved (e.g. academic and/administrative leadership, library staff) and what steps are being taken (including preparations for compliance with the [technical requirements](#) of Plan S).

Display This Question:

If Q20= No

Q20.2. Please elaborate on your institution's future plans regarding Plan S (including compliance with its [technical requirements](#)).

Q21. Has your institution participated directly and/or supported non-commercial OA publishing (e.g. OA university press, funding for infrastructure (e.g. DOAJ, SCOSS etc))?

- Yes
- No
- Don't know

Q21.1. Comments

3.4. Incentives, rewards and recognition of Open Science

Q22. Does your institution provide incentives for researchers developing open science activities (e.g. open access to research publications, data sharing, open review, citizen science, open education, etc.)?

- Yes
- No
- Don't know

Display This Question:

If Q22= Yes

Q22.1. Please explain:

Q23. Which of the following open science elements are part of your university's approach to academic assessment? This may include your institution's assessment practices for the purpose of career progression, performance evaluation of academic units and/or allocating funding within the institution. *(Tick all that apply)*

- Depositing of research articles in repository
- Open access publishing of research articles in open access journals (via payment of APCs)
- Open access books
- Open access archival or special collections
- Preprints
- Depositing of data in a repository
- Research data management plans
- Data sharing
- Open research protocols
- Open source research software and code
- Open education
- Open evaluation
- Open collaborative tools
- Co-creation platforms

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- Transdisciplinary research platforms
- Co-design of research projects
- Citizen science
- Crowdsourcing practices
- Science outreach and communication
- None of these elements are part of our approach to career assessment

Display This Question:

If Q23= None

Q23.1. Please describe your institution's approach to academic assessment:

Q24. In the future, does your institution plan to expand the range of open science elements taken into consideration for academic assessment?

- Yes
- No
- Don't know

Display This Question:

If Q24= Yes

Q24.1. Please expand:

Display This Question:

If Q24= No

Q24.2. Please elaborate on your institution's future approach to academic assessment:

Part 4. Infrastructure and support services

This section deals with the infrastructure and support services available in your institution for open science activities, namely for open access to research publications, for research data management, FAIR data and data sharing. This section also addresses your institution's plans regarding the European Open Science Cloud (EOSC).

4.1. Infrastructure

Q25. What type of infrastructure does your institution provide in relation to open access to publications? (Tick all that apply)

Repository

- Institutional
- Shared with external organisations

Journal hosting/publishing platform

- Institutional
- Shared with external organisations

Monograph hosting/publishing platform

- Institutional
- Shared with external organisations

Other (Please specify)

None of the above

Don't know

Q26. What type of infrastructure does your institution use in relation to research data management, FAIR data and/or data sharing? (Tick all that apply)

Note: External refers to third party service providers (commercial or not), whereas internal refers to an institutional/internal service (e.g. IT department, library, etc.).

Data storage services

- Internal
- External
- Shared

Data repository

- Internal
- External
- Shared

Institutional Data Catalogue

Data Management Plan Tool/System

- Internal
- External
- Shared

A data registry

Other (long term preservation repositories/services). (Please specify)

None

Don't know

Q27. On which directories, registries and aggregation services are your institutions' infrastructures registered or aggregated? (Tick all that apply)

- CORE
- DOAB
- DOAJ
- OAPEN
- OpenAIRE
- OpenDOAR
- re3data
- None
- Don't know

Q28. Which standards, guidelines and protocols are used in your institution's own or shared repositories? (Tick all that apply)

- Assignment of DOIs
- Disciplinary metadata schemas
- Dublin Core Metadata
- DataCite Metadata Schema
- ORCID integration/support
- Machine ingest methods and protocols (REST API, SWORD, FTP)
- Creative Commons (CC) licenses
- COUNTER-compliant usage statistics and metrics
- Harvesting of metadata and associated files using established open standards (e.g. OAI-PMH, Resource-Sync)
- REST API functionality, conforming to open standards, with outputs in formats such as JSON/XML
- OPENAIRE-Compliant (OpenAIRE Guidelines)
- Other (*please specify*)

Q29. Does your institution provide open registries of research equipment, facilities and laboratories?

- Yes
- No
- Don't know

Q30. Does your institution participate in equipment, facilities and laboratory sharing initiatives?

- Yes
- No
- Don't know

4.2. Support services and funding

Q31. Does your institution currently have any dedicated research data support services in place?

- Yes
- No
- Don't know

Display This Question:

If Q31= Yes

Q32.1. At what level are research data support services primarily implemented in your institution?
(Tick all that apply)

- Institutional/university level
- Faculty/department level
- Disciplinary level
- Research unit level
- Don't know

Display This Question:

If Q31= No

Q32.2. Although your institution does not have dedicated research data support services, it may still have staff that provide support on research data, in addition to other tasks. At what level are research data support services primarily implemented in your institution? (Tick all that apply)

- Institutional/university level
- Faculty/department level
- Disciplinary level
- Research unit level
- Don't know

Q33. Has your institution established specific research data support roles (e.g. data stewards, research data managers)? (Tick all that apply)

- Yes, at institutional/central level
- Yes, at faculty/department level
- Yes, at library level
- No
- Don't know

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Display This Question:

If Q33= Yes

Q33.1. What is the total number of staff (full time equivalent, FTE) working on research data support roles in your institution?

_____ (Numeric field)

Comments:

Q34. How is your institution dealing with the associated costs involved with the increasing need for data management infrastructure and services, e.g. staff costs, long-term storage and archiving? Please explain how your institution sees the sustainability of these costs and which type of funds are used for this purpose:

Q35. What type of support does your institution provide to researchers to make their research publications available in open access (both through repositories and open access publishing)? (Tick all that apply)

- Training for researchers (including doctoral candidates)
- Institutional website(s) on open access to research publications
- Developing open research strategy and vision
- Linkages to career evaluation and promotion within the institution
- Facilitating administrative reporting of publications in projects
- Funding for publishing in open access journals (APCs)
- Guidelines providing clarification of legal issues related to linking, sharing and re-using Open Access content
- Establishment of specific services (e.g. helpdesks) for researchers
- Legal support
- Other (*please specify*)

Q36. What type of support does your institution provide to researchers in the area of research data management, FAIR data and data sharing? (Tick all that apply)

- Training for researchers (including doctoral candidates)
- Institutional website(s) on research data management
- Planning stewardship and sharing of FAIR outputs
- Finding and reusing data from existing sources
- Using or developing FAIR research tools/services
- Preparing and documenting data/code to make outputs FAIR

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- Publishing FAIR outputs on own or recommended repositories
- Recognising, citing and acknowledging contributions
- Developing open research strategy and vision
- Complying with legal and ethical requirements, FAIR principles
- Funding for implementing FAIR principles
- Finding (other) sources of training and advice on FAIR data
- Other (*please specify*)

Q37. What type of support does your institution provide to researchers interested in other open science activities (e.g. open education, open peer-review, citizen science, co-creation platforms, crowdsourcing practices, open evaluation, science outreach and communication, etc.)? Please consider all types of support available, e.g. staff support, availability of specific services, training, financial support, etc.

Q38. What type of funding sources are used in your institution for supporting the following open science areas? (Tick all that apply)

	Open access to research publications	Data management	Open Education	Citizen science	Co-creation platforms	Science outreach and communication
General institution budget	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National project-based funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National block grants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EU project-based funding (e.g. Horizon 2020)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Private/industrial project-based funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public-private project-based funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Others (<i>please specify</i>)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4.3. European Open Science Cloud (EOSC)

Q39. Do you see potential benefits created by the future EOSC for your institution?

- Yes
- No
- Don't know

Q39.1. Please develop:

Q40. Is your institution planning to link its infrastructure and services with EOSC?

- Yes
- We are still in the process of deciding
- No
- Don't know

Comments:

Q41. Is your institution planning to become a member of the EOSC Association?

- Yes
- We are still in the process of deciding
- No
- Don't know

Comments:

Part 5. Practice

This section focuses on institutional initiatives related to different areas of open science, on the engagement of different academic stakeholders, and on the availability of skills in your institution to develop open science activities.

Q42. Which initiatives related to the transition to Open Science have been developed and implemented in your institution in the last 3 years? In addition to explaining the initiative itself, please indicate which staff and which levels at your institution are involved in these initiatives and what were the reasons behind starting them:

Q43. How would you assess the level of engagement and practice of the following open science areas in your institution amongst different academic stakeholders? (1= Very low; 5= Very high; Don't know)

For each cell in the table below, select one of the following options:

- Don't know
- Very low
- Low
- Neither high nor low
- High
- Very high

	Open access to research publications	Data sharing/FAIR data	Citizen Science	Open Education	Co-creation platforms	Open peer review	Science outreach and communication
Institutional leadership							
Librarians							
Early-stage researchers (i.e. doctoral candidates and postdocs)							
Researchers (faculty and others)							
Research support staff							
Students							

Q43.1. Comments:

Q44. Has your institution developed good practices or specific initiatives to further implement open science practices? Please explain:

Q45. Please indicate below the level of availability in your institution of different skills needed to further develop open science activities:

	Fully available	Partially available, but further needed	Not available, but needed	Don't know
Support staff with knowledge of national and European policies on different open science areas (e.g. open access to publications, data sharing, academic career assessment, citizen science, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Support staff to provide advice to researchers on technical, organisational and operational matters related to open science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Legal skills (e.g. knowledge on copyright, licensing, data privacy, data protection)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical staff with skills in the area of data management (e.g. data experts or library staff with knowledge on metadata; data storage/management/curation; technical standards)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical skills in the area of e-infrastructures (e.g., IT experts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Researchers' skills in research data management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Researchers' skills in research software engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Researchers' skills in data mining, analytics, data visualisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Researchers' skills on open education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Researchers' skills on science outreach and communication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (<i>please specify</i>)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q46. Are you aware of initiatives related to Citizen Science at your university?

- Yes
- No
- Don't know

Display This Question:

If Q46= Yes

Q46.1. Please elaborate on the initiatives related to Citizen Science at your university that you are aware of. In addition to explaining the initiative itself, please indicate which staff and which levels at your institution are involved in these initiatives and what were the reasons behind starting them.

Q47. Are you aware of initiatives related to Open Education at your university?

- Yes
- No
- Don't know

Display This Question:

If Q47= Yes

Q47.1. Please elaborate on the initiatives related to Open Education at your university that you are aware of. In addition to explaining the initiative itself, please indicate which staff and which levels at your institution are involved in these initiatives and what were the reasons behind starting them.

Part 6. Overall perception of Open Science at institutional level

This section addresses your overall impression of the degree of development of open science in your institution.

In the last sections of this survey, you have considered specific aspects of open science in your institution. In the next question, please consider again, at a more general level, the status of open science in your institution.

Q48. How would you assess the level of embeddedness of open science and its different areas in your institution?

Please consider the four levels of development described below. Please note that these levels are formulated in general terms and that they may be reflected in many different ways across institutions, depending on their unique profile, mission, strategy and local/national/international context.

Level 1: This area is not yet part of our institution's priorities, policies or practices.

Level 2: This area is part of our institution's priorities, policies or practices, but its use in our institution is still sporadic or on an ad-hoc basis. This may be reflected in its low awareness across the institution; or occasional use (e.g. only in some departments/faculties, only by some a small group of researchers/faculty/staff); or low level of engagement from most stakeholders; or unallocated or inexistent resources for further awareness, implementation or monitoring; or a combination of the latter.

Level 3: This area is an important part of our institution's priorities, policies or practices, and its use across the institution is gaining traction. This may be reflected in good awareness levels across the institution; or existent initiatives in several departments/faculties or by a sizable part of researchers/faculty/staff; or existence of basic monitoring mechanisms and review processes; or in

the limited availability of technical and human resources dedicated to this area; or in the medium to high level of engagement of most stakeholders in the institution; or a combination of the latter.

Level 4: This area is fully embedded in our institution’s strategic priorities, policies, practices, structures and workflows. This may be reflected in an articulated set of policies covering this area including complementarities with other policies in the institution; or streamlined activities across most departments/faculties and by most researchers/faculty/staff/students at all levels; or regular and comprehensive monitoring and review processes; or the allocation of sufficient technical and human resources to this area; or very high level of engagement from high leadership, management, support staff and researchers (senior and early career); or a combination of the latter.

	Level 1 (Not a part of priorities or practices)	Level 2 (Part of priorities or practices, but on an ad-hoc basis)	Level 3 (Part of priorities and practices, and gaining traction)	Level 4 (Fully embedded in priorities and practices)
Open access to research publications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research Data Management	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Data sharing/FAIR data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academic career assessment (i.e. considering open science contributions in the assessment of researchers)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Citizen science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open Education	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science outreach and communication	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Open Science in general	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q48.1. Comments:

Final questions

Q49. Has the Covid-19 pandemic had an impact on open science policies or activities in your institution? How?

Q50. Are there any success stories or best practices on open science in your institution you would like to share?

~~**Q51. In your opinion, is there any specific role EUA could play to support open science in your institution?**~~

~~**Q52. Is there any other feedback you would like to provide EUA?**~~

The European University Association thanks you for taking the time to complete this questionnaire. If you would like, you can go back and make changes to your answers. **If you want to submit your results now, please click the 'Submit' button below.**

After submitting your results, you will be automatically redirected to your responses report.