Questionnaire on "Research Data Management at (institution name)"

* Research Data and Research Data Management
* In this questionnaire, “Research Data” refers to digital information collected and generated through research implementation, such as “digital materials”, “measurement data”, “test data”, “media content”, and “programs”.
* “Research Data Management by academic institutions” refers to the establishment of an environment for storing, sharing, and publishing research data and promoting its use, led by universities (not individual researchers).
* “Main purpose of Research Data Management by academic institutions” is as follows:

1. Promotion of open science (researchers use each other's research data to increase research efficiency).
2. Promoting research justice (reserving data on the basis of research results published in papers as an institution makes it easier to disclose data when necessary).

* Current status of Research Data Management by academic institutions
* With regard to research fund allocation in Europe and the United States, there is a trend toward “research data management in place” as a requirement for application.
* In international journals, there is an increasing number of cases where it is necessary to refer to research data described in papers.
* In Japan, science and technology policy is "promoting research data management and utilization in academic institutions" (Cabinet Office Integrated Innovation Strategy (June 2019), etc.).
* Some research funding institutions in Japan are obligated to submit research data management plans, and this movement may spread to scientific research grants in the future.
* Purpose of this questionnaire （各大学の事情に応じ、修正のこと）
* (The division) will start a study to establish an environment for storing, sharing and publishing research data systematically at (the institute) in cooperation with related departments such as (the relevant divisions). We would like to ask the faculty members and researchers to participate in the following questionnaire for future consideration.
* Handling of questionnaire contents and response results
* This questionnaire is drafted by the Research Data Management (RDM) subcommittee of the Academic eXchange for Information Environment and Strategy (AXIES, <https://axies.jp/>) in cooperation with the Research Center for Open Science and Data Platform of the National Institute of Informatics (https: //rcos.nii.ac.jp). The questions prefixed with [AXIES] are prepared as the common in the country, while the others are designed by the institute.
* Survey results may be aggregated in a form that cannot be identified by individuals and may be used for cross-sectional analysis with other academic institutions in cooperation with the AXIES-RDM subcommittee.
* Respondent attributes (Please leave the appropriate one)

（1-3は、各大学の判断による。4-5は必須）

1. Affiliation at the institute: [ ]
2. Name: [ ]
3. e-mail address: [ ]
4. [AXIES] Position
5. Professor
6. Associate Professor / Lecturer
7. Assistant Professor
8. Researcher (Postdoctoral, Gakushin PD, etc.)
9. Graduate Student (Doctoral course)
10. Graduate Student (Master's course)
11. Undergraduate
12. Teaching Assistant / Research Assistant
13. Other [ ]
14. [AXIES] Research Field

(Note) From the academic classification of the "2018 Science and Technology Research Survey" of the Statistics Bureau of the Ministry of Internal Affairs and Communications.

1. Literature
2. Law
3. Economics
4. Other humanities and social sciences
5. Science
6. Engineering
7. Agriculture
8. Health (Medicine, Dentistry, Pharmacy)
9. Other health
10. Home Economics
11. Pedagogy
12. Other

* Questionnaire items (Please leave the appropriate one)

1. [AXIES] Do you know about any domestic or international trends regarding research data management by academic institutes?
2. Yes
3. No
4. [AXIES] Do you know that the current relevant regulation (see below) on the retention of research data at (the institute) stipulates "the retention period of materials is, in principle, 10 years after the publication of the paper"?

\* Guideline for the preservation of research materials at (the institute)

1. Yes
2. No
3. [AXIES] How do you store research data that you have collected and created? (Choose all that apply)
4. Store on a personal computer or hard disc for personal use
5. Store on servers and storage managed by research organizations such as laboratories
6. Use storage managed by universities and departments
7. Store with other institutes and commercial cloud services
8. Other [ ]
9. [AXIES] Do you regularly back up research data that you have collected and created?
10. Yes
11. No
12. [AXIES] For papers published within the past 10 years (including co-authored papers), do you keep all the data on which the papers are based, and are they easily accessible when there is a problem with respect to research justice?

(Note) This question is conducted to understand the need for infrastructure development by the organization, so there is no penalty for answering "No".

1. Yes
2. No
3. [AXIES] If the university establishes an environment for managing research data, is there any research data that you want to store in that environment?
4. Yes
5. No (please proceed to Q.7)
   1. [AXIES] What is the size of research data that you want to store?
6. less than 100GB
7. 100GB or more - less than 1TB
8. 1TB or more - less than 10TB
9. 10TB or more - less than 1PB
10. 1PB or more
    1. [AXIES] Please select the type of data. (Choose all that apply)
11. Text
12. Numerical data
13. Multimedia (image, sound, video)
14. Database (incl. DB system)
15. Source code, analysis tools, experimental procedures and equipment drawings
16. Files with complex data types
17. Other [ ]
18. [AXIES] Of the research data that you have collected and created so far and is not currently disclosed, is there any research data that can be disclosed if there is an environment for managing research data established by the university?
19. Yes
20. No (please proceed to Q.8)
    1. [AXIES] What is the size of research data that can be disclosed?
21. less than 100GB
22. 100GB or more - less than 1TB
23. 1TB or more - less than 10TB
24. 10TB or more - less than 1PB
25. 1PB or more
    1. [AXIES] Please select the type of data. (Choose all that apply)
26. Text
27. Numerical data
28. Multimedia (image, sound, video)
29. Database (incl. DB system)
30. Source code, analysis tools, experimental procedures and equipment drawings
31. Files with complex data types
32. Other [ ]
    1. [AXIES] If it does not matter, please describe the contents of the data that can be disclosed.

[ ]

1. [AXIES] Have you already published or shared research data that you have collected and created?
2. Published
3. Shared/Disclosed with the research community
4. Sharing with collaborators
5. Preparing to publish
6. I want to publish, but it is difficult for individuals to publish
7. Not published
8. Other [ ]
9. [AXIES] What do you expect most when you "store research data" in an environment established by the university (rather than by individuals or laboratories)?

Please choose the one that best applies.

1. Regular backup of research data
2. Research data is kept at the university even after transfer or retirement
3. Easier to share research data among researchers
4. Easy version management of research data
5. Other [ ]
6. [AXIES] What do you expect most when you "publish research data" that you have collected and created?

Please choose the one that best applies.

1. Published research data is cited from other papers
2. Disclosing research data leads to personal evaluation by university and departments
3. Use of research data in different applications adds new value to research data
4. The research community that uses the same research data will grow
5. Publication of research data is required for submission of papers
6. Other [ ]
7. If you have any comments on research data management at the university, please enter them below.

[ ]