



SPARC Japan NewsLetter provides activity and seminar reports. The seminar report includes its outline, program with speakers' introductions and abstracts, panel discussion, attendee feedback, and afterword.

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■ SPARC Japan Activity Reports

SPARC Japan Governing Board

Please see materials of SPARC Japan Governing Board on our website:

<https://www.nii.ac.jp/sparc/about/committee/>



SCOAP³ for Books Pilot Project

SCOAP³ is an international collaborative project that aims to realize open access for peer-reviewed journal articles in the field of high energy physics. Since 2014, it has contributed to the open access publication of more than 35,000 research papers in 11 of the world's leading journals in this field.

Given this achievement, the SCOAP³ Governing Council (hereinafter "GC") in May 2019 proposed to expand the scope of the SCOAP³ initiative from traditional journals to books. The GC in October 2019 then approved proceeding with 78 titles of university-level textbooks and other related books as the SCOAP³ for the Books Pilot Project.

The National Institute of Informatics (NII), which serves as the SCOAP³ office in Japan, received a request from the GC in October 2020 to share information about the request for donations to this project to participating institutions of the FY2020 SCOAP³ project. Responses to the survey on participation intentions were closed as of March 26, 2021. We

will keep a close eye on future developments of this project and continue to share information with participating organizations of the SCOAP³ project.

<https://www.nii.ac.jp/sparc/about/international/scoap3/survey2021b.html>

<https://scoap3.org/scoap3-for-books-pilot-project-started/>

■ SPARC Japan Seminar Report

The 3rd SPARC Japan Seminar 2019



“The Practice of Research Data Management”

Friday, February 7, 2020: National Institute of Informatics
12th floor Conference Room (Attendees: 66)

The theme this time was "Research Data Management," and presentations were given on actual examples of data repositories and libraries that practice research data management on a daily basis, tools to support research data management, and efforts to develop human resources for research data management. In the panel discussion, we discussed the roles of researchers, research support staff, and library staff in research data management, and what principles and literacy should be shared by all parties beyond their roles.

See the SPARC Japan website for handouts and other details

<https://www.nii.ac.jp/sparc/event/2019/20200207.html>

Outline



Appropriate research data management, especially storing and publishing, has become essential, as the infrastructure to advance open science. However, the information on "how" to manage research data is scarce while the need for research data management has been increasing.

As the main data providers, not only researchers but also research support staff and librarians at universities and institutions, who are expected to take on data management practices, might be bewildered. "They ask me of research data management. But I don't know where to begin."

In this seminar, we will present examples of data repositories and libraries that practice research data management on a daily basis, tools to support research data management, and initiatives to foster human resources responsible for research data management. In addition, during the panel discussion, we would like to discuss the roles of researchers, research support

staff, librarians in research data management, and what philosophy and literacy should be shared by all stakeholders regardless of the roles. We hope that each participant will have a better understanding of where to begin.

Presentation Abstracts and Speakers

Development of Promotion Organization of Research Data Infrastructure at Nagoya University



Kimie Takeya (Director, Library Administration, Concurrent Director, the Information Technology Services Department, Headquarters of the Information and Communications, Nagoya University)



In December 2019, the Research Data Infrastructure Development Subcommittee was established under the Nagoya University Research Strategy and Social Collaboration

Promotion Subcommittee to promote research data initiatives at Nagoya University. The subcommittee is headed by the Director of Information & Communications, which is responsible for information policies on campus, and is composed of the relevant trustees, the managers and the persons in charge of the following departments: Information and Communications, Information Technology Center, Library, Research Cooperation Department, Academic Research & Industry-Academia-Government Collaboration, Institutional Research. In addition to reporting on the process up to the establishment and management of this subcommittee, I would like also to introduce what activities we have performed as a secretariat.

Profile

She got a job at the University of Tokyo Library in 1989. After working at the university's medical and agricultural department libraries. And working at the National Institute for Educational Research Education Library, the University of Tsukuba Library and Hitotsubashi University Library, the MEXT Library, Ministry of Education, Culture, Sports, Science and Technology, and Branch Libraries and Cooperation Division of the National Diet Library. After that, Manager of Library Information Service Section, Niigata University Library, Manager of Information Planning Section, Kanazawa University Library, Manager of Library Information Management Section, Nagoya University Library, Deputy Director, Library Administration of NAGOYA University. And now Director, Library Administration of NAGOYA University, Concurrent Director, the Information Technology Services Department, Headquarters of the Information and Communications of NAGOYA University.

Research Data Management in Glycoscience

Issaku Yamada (Informatics Project Leader, The Noguchi Institute)



The repositories for nucleotide sequences and protein structures were available in the glycoscience community, but no repository for glycan structures. At an international meeting held in 2013 in Dalian,

China, clarification of the glycan structure was discussed in glycoscience research. As a result of this meeting, it was agreed that a repository of glycan structures should be constructed and that unique accession numbers be assigned to glycan structures. In August 2014, the international glycan structure repository GlyTouCan was released. Besides, glycan structures are analyzed by mass spectrometry. The data generated at that time is also important, and UniCarb-DR and GlycoPOST have

been developed as repositories. UniCarb-DR is a repository for peak lists that analyze mass spectrometry data, and GlycoPOST is a repository for mass spectrometry experimental methods and raw data. In this presentation, I would like to introduce the history of the development of these repositories.

Profile

Informatics Project Leader, The Noguchi Institute. Received his Ph.D in engineering from Tokyo Metropolitan University in 1997. He became a Noguchi Institute researcher in 2002 and started scientific investigation of glycans at the Institute in 2006. He is presently engaging in glycan informatics studies on research topics such as glycan structure notation, ontology, and database design.

Case Study of Research Data Policy Development in JAEA

Yui Kumazaki (Japan Atomic Energy Agency)



The Japan Atomic Energy Agency(JAEA) is preparing a research data policy that defines a policy for the management and open of research data. We conducted some surveys of the current handling

and open of research data and interviewed with researchers. In the discussions so far, the following are discussed: (1) prudent judgment is necessary for open due to the characteristics of JAEA's R&D ; (2) difficulty in establishing a unified policy due to the diversity of R&D fields; and (3) necessity to ensure the quality and reliability of our research data. This time, I would like to introduce the status of these surveys and studies, and consider the management of research data in organizations.

Profile

KUMAZAKI Yui works Institutional Repository Section, Intellectual Resources Management and R&D Collaboration Department, Japan Atomic Energy Agency(JAEA). After working as a high school teacher and consulting company (in charge of library and R&D collaboration), she moved to the JAEA Library. She has been to in charge of editing and publishing of technical reports and developing of JAEA research data policy since July 2018. She is using her experience in her previous job to explore the practice of open science at a research and development corporation. Member of the Planning Committee of the Research Data Utilization Forum and the Research Data Licensing Subcommittee.

Overview of Research Data Management Service and Introduction of Use Cases**Yusuke Komiyama (National Institute of Informatics)**

Currently, research data management (RDM) thinking is a growing demand in academic institutions. National Institute of Informatics (NII) is going to launch the RDM service "GakuNin

RDM" as a part of the comprehensive research data infrastructure NII Research Data Cloud since late 2020. In this seminar, I introduce an RDM tool that is needed actually to manage research data at institutions, and also I present use cases in demonstration experiments being carried out at academic institutions across the whole country.

Profile

Ph. D., Assistant Professor, National Institute of Informatics, Content Science Research Division. In March 2014, he completed the doctoral course at the University of Tokyo Graduate School of Agricultural and Life Sciences. He was engaged in bioinformatics research as a JSPS Research Fellow (DC2). In April 2014, he involved in supercomputer operation and project of life science database development as a project researcher at the Human Genome Center, The Institute of Medical Science, The University of Tokyo. Current my position since April 2016. He started to works the Research Center for Open Science and Data Platform in NII from April 2017, engaged in research and development, operation and international collaboration of the research data management service GakuNin RDM.

Human Resources Development for Research Data Management and Several Other Approaches on Research Data of JPCOAR**Kenji Yuki (Japan Consortium for Open Access Repository (JPCOAR) / Hokkaido University Library)**

In this presentation, I report the activities of JPCOAR: human resources development for research data management (e.g. RDM training materials and JPCOAR seminar) and several other

approaches on research data (e.g. Database rescue project, RDM case formation project, JPCOAR Schema, etc.). In addition, I also introduce the activities for research data of other groups : AXIES-RDM Subcommittee and JANUL Open Access Committee.

Profile

Librarian. Head of Research Support Division, Hokkaido University Library since April 2018. A member of the JPCOAR Committee since April 2018. Chief of JPCOAR Research Data Working Group since April 2019. In addition, participated in Academic Exchange for Information Environment and Strategy, Research Data Management Subcommittee (AXIES-RDM Subcommittee). Involved as the secretariat of Japan Association of National University Libraries (JANUL) Open Access Committee.

Panel Discussion



Summary:

There was an exchange of opinions between speakers and the audience during the panel discussion session.

- Research data management cannot be completed within a single organization alone. Rather, it should be carried out in collaboration with multiple organizations. When multiple organizations simply enter into collaborations, they tend to end up imposing burdens on each other. Thus, it is important for people with strong passion to have their own as well as other organizations involved when implementing the project.

- Research data management is not something we must do simply because we are researchers or librarians, but we all need to work together to improve our own work.



Moderator: Takanori Hayashi (Japan International Research Center for Agricultural Sciences)



Profile
Publications and Documentation Section, Information and Public Relations Office, Research Planning and Partnership Division, Japan International Research Center for Agricultural Sciences. Takanori Hayashi

joined Japan International Research Center for Agricultural Sciences in 2014. He received his Ph.D. degree in informatics from the University of Tsukuba in 2016. He is in charge of library and web service operations including collect and provider of research information, and support developing databases.

Moderator: Shigeru Yatsuzuka (National Bioscience Database Center, Japan Science and Technology Agency)



Profile
Researcher, National Bioscience Database Center, Japan Science and Technology Agency. Shigeru Yatsuzuka joined National Bioscience Database Center in 2015 after

working as a system engineer. He is in charge of the project to collect life science data scattered across various subjects and institutes, to research and coordinate data, to create metadata and to publish data with clear licenses.

Attendee Feedback

(person affiliated with university library)

– I have never had the opportunity to obtain information from multiple perspectives before, so this was a good opportunity to learn more about research data management in a comprehensive manner. My university is already working on developing a policy, but I think I now see a more concrete path.

– It was good to learn about the current status and future perspective of research data management.

– I thought that the presentations by Ms. Kumazaki of Japan Atomic Energy Agency and Dr. Komiyama of NII delivered effective model roles for how to proceed in universities and research institutes, where roles tend to be vertically divided among departments, as they discussed how they envisioned allocating relevant preparations and tasks to an organization and how they prepared to build them.

(person in university)

– I was able to learn the current situation on this theme in a short period of time. I am going to keep studying using the reference information I obtained today.

– Many universities understand the necessity of research data management, but how to enact it is often unclear. It would have been better if more examples on efforts being taken at universities were given today.

(other library staff)

– Actual examples at other institutes and the description on GakuNin RDM were useful. I felt that the challenge is how to apply and implement the science-based approach to research data management in libraries that handle literature in the humanities.

Afterword



😊 We planned this seminar hoping to avoid making it just a place to talk about idealism. Efforts to manage research data in research institutes, libraries, and data repositories may still be insufficient. However, I think that many people understood the importance of accepting the current situation and taking even a single step forward by seeing it as a personal matter..

Shigeru Yatsuzuka
(National Bioscience Database Center,
Japan Science and Technology Agency)

😊 In order to move forward from the current situation where people say, "I've been told to manage research data, but I don't know specifically what to do about it tomorrow," we have planned this seminar to share examples of what is already being done. To handle research data appropriately, researchers, research support staff, and library staff have their roles, and I think we were able to

reconfirm that we need to work together as reliable partners (which is not limited to the field of research data management).

Takanori Hayashi
(Japan International Research Center
for Agricultural Sciences)

😊 I have been involved with this project starting from the planning phase. What struck me was that it is difficult for stakeholders to discuss research data management based on a common understanding. It may take some time to reach a consensus, as different organizations, positions, and domains have different contexts for talking about research data management. I hope that the examples and other information presented in this seminar will help you to "put it into practice" to reach a consensus.

Kyosuke Nishimura
(University of Toyama)