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The University of Osaka



# Research Infrastructure and Human Resource Development in the Era of Open Science Implementation and Prospects in Japan



Promoting research data management and advancing open science requires both technical infrastructure and the human resources to support it. This symposium will present leading examples of research data infrastructure development at universities in Japan and Europe, along with expert insights into the use of digital technologies in the humanities. We will discuss the future of system infrastructure and the ideal development of human resources in Japan.

13:00–  
13:10

## Opening Remarks

**Takao Onoye** (Executive Vice President, Director of Open Science Promotion Office, University of Osaka)

13:10–  
13:50

## Keynote Lecture: “Sustainability and Cost Structure in PHAIDRA and European Research Data Infrastructure”

**Raman Ganguly** (University of Vienna, Computer Center, IT Support for Research)

**Éva Gergely** (University of Vienna, Computer Center, IT Support for Research)

13:50–  
14:10

## Talk 1: “Research Data Management Infrastructure and Human Resource Development at Kyushu University”

**Yoichi Tomiura** (Kyushu University, Data-Driven Innovation Initiative Division)

14:10–  
14:20

## Break

14:20–  
14:40

## Talk 2: “Current Situation and Challenges of Computing and Data Infrastructure for Accelerating Open Science at the University of Osaka”

**Susumu Date** (University of Osaka, D3 Center)

14:40–  
15:00

## Talk 3: “Utilization of IIF, TEI, and Large-Scale Data in Digital Humanities”

**Natsuko Yoshiga** (University of Osaka, Graduate School of Humanities)

15:00–  
15:45

## Panel Discussion: “The Future of Research Infrastructure and Human Resources”

**Moderator: Naoto Kai** (University of Osaka, D3 Center)

**Panelists: Raman Ganguly** (University of Vienna)

**Yoichi Tomiura** (Kyushu University)

**Susumu Date** (University of Osaka)

**Natsuko Yoshiga** (University of Osaka)

15:45–  
15:55

## Closing Remarks

**Kaname Harumoto** (Deputy Director, D3 Center, Open Science Promotion Office)

🐉 **2025/5/16 Fri. 13:00 - 16:00**

**Venue:** Osaka University Library Hall (Toyonaka Campus) & Online

**Free participation registration URL:** <https://forms.office.com/r/stB4Fqx55S>

Registration open until : 2025/05/14 Wed. 17:00

**Organizer:** Open Science Promotion Office, University of Osaka, **Co-organizer:** Division of Research Data Service, Data-Driven Innovation Initiative, Kyushu University

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## Keynote Speakers



Raman Ganguly leads the IT Support for Research Department at the Vienna University Computer Center. An expert in software development and media technology, he has been engaged in digital data archiving and repository development. He is the technical lead of PHAIDRA, the open-source data repository of the University of Vienna. He has also led major national projects promoting Data Management and Open Education. For him, modular systems and consumer-oriented representation of data are key aspects of constructing modern IT landscapes.

**Raman Ganguly**

University of Vienna Computer Center

Éva Gergely is a Project Manager at the Vienna University Computer Center. With a background in Comparative Literature and IT, she focuses on managing national collaboration projects and initiatives related to research data management. She also coordinates user requirements and development for PHAIDRA.



**Éva Gergely**

University of Vienna Computer Center

## Invited Speakers



Yoichi Tomiura is a Professor in the Department of Informatics, Faculty of Information Science and Electrical Engineering, Kyushu University. He also serves as Director of the Division of Research Data Service at the Data-Driven Innovation Initiative. He served as Deputy Director General of the University Libraries from April 2016 to March 2023. In 2018, under the direction of the Director General of the University Libraries, he began drafting a research data policy, which led to his involvement in the establishment and operation of the Division of Research Data Service.

**Yoichi Tomiura**

Professor, Faculty of Information Science and Electrical Engineering, Kyushu University

Susumu Date is a Professor at D3 Center at the University of Osaka in Japan. He received the B.E., M.E., and Ph.D. degrees from Osaka University, in 1997, 2000, and 2002, respectively. He was an Assistant Professor with the Graduate School of Information Science and Technology, Osaka University, from 2002 to 2005. He worked as a Visiting Scholar with the University of California at San Diego, in 2005. From 2005 to 2008, he worked as a Specially-Appointed Associate Professor on the internationalization of education with the Graduate School of Information Science and Technology, Osaka University. From 2008 to 2023, he was an Associate Professor with the Cybermedia Center, Osaka University. Since 2023, he had been a Professor with the Cybermedia Center, Osaka University. His research field is computer science. His current research interests include cloud, cluster, grid, high-performance computing, and their applications.



**Susumu Date**

Professor, D3 Center, Osaka University



Natsuko Yoshiga is an Associate Professor at the Graduate School of Humanities, The University of Osaka. She holds Master's degrees in Agriculture and Science, and a Ph.D. from Saga University Graduate School. For 17 years at Saga University, she worked in academic information and history/cultural departments as a technical assistant, researcher, and lecturer, engaged in research support and building digital archives contributing to the history of the Saga region. She assumed her current position in 2023. Currently, she focuses on Digital Humanities education and conducts research promoting the analysis of historical documents from the perspective of Information Science. She also holds concurrent positions as a faculty member at The University of Osaka Global Japanese Studies Education and Research Incubator (Digital Japanese Studies Division) and as a collaborative researcher at the National Museum of Japanese History.

**Natsuko Yoshiga**

Associate Professor, Graduate School of Humanities, Osaka University