

International Workshop on Sharing, Citation and Publication of Scientific Data across Disciplines

Joint Support-Center for Data Science Research (DS), Tokyo
5–7 December 2017

PROGRAMME

Monday 4 December @ "Southern Cross"

17:00–18:30 Registration

18:30–20:30 Icebreaker (@ "Southern Cross" nearby Data Science Building & Polar Science Museum)

Tuesday 5 December @ Lecture Room (4F, NIPR)

09:00–10:00 Registration

10:00–10:30 Opening Remarks

- Ryoichi Fujii (President, Research Organization of Information and Systems (ROIS))
- Asao Fujiyama (Director-General, Joint Support-Center for Data Science Research (DS), ROIS)
- Takuji Nakamura (Director-General, National Institute of Polar Research, ROIS)
- [Akira Kadokura](#) (Director, Polar Environment Data Science Center, DS, ROIS)
- [Masaki Kanao](#) (LOC Chair), agenda of workshop & practical information

10:30–12:30 **Session 1: Data Center - Best Practise & Activity** (Session chair: Akira Kadokura)

Keynote 1: *The Evolution of Data Publication and the Role of Persistent Identifiers and Linked Open Data in Dynamic Data Mobilization*

Peter Pulsifer (National Snow and Ice Data Center, University of Colorado) (30')

Keynote 2: [The Antarctic Master Directory, sharing Antarctic \(meta\)data from multiple disciplines](#)

Anton Van de Putte (Royal Belgian Institute for Natural Science) (30')

- [Magnetic Data at WDC Kyoto—Services under International Collaborations](#)
Toshihiko Iyemori (Data Analysis Center for Geomagnetism, Kyoto University) (20')
- *Management of Marine-Earth Science Data and Samples in JAMSTEC*
Seiji Tsuboi (Japan Agency for Marine-Earth Science and Technology) (20')
- [Sharing Real Business Purpose Datasets for Academic Research](#)
Keizo Oyama (National Institute of Informatics, ROIS) (20')

12:30–14:00 Group Photo @ Entrance of DS Building -> Lunch

14:00–15:50 **Session 2: Database, Data System - Network & Administration** (Session chair: Seiji Tsuboi)

Keynote: *FAIRsharing - Describing and Connecting Standards, Databases and Policies Across Disciplines*

Peter McQuilton (Oxford e-Research Centre, University of Oxford) (30')

- [Life Science Database Integration Based on Semantic Web Technology](#)
Susumu Goto (Database Center for Life Science, DS, ROIS) (20')
- *Outline of the Arctic Data Archive System (ADS)*

Hironori Yabuki (Polar Environment Data Science Center, DS, ROIS) (20') • <i>Development of Research Data Management Service for Open Science in Japan</i> Yusuke Komiyama (National Institute of Informatics, ROIS) (20') • <i>Data Processing and Archive System for the Antarctic PANSY Rader</i> Koji Nishimura (Polar Environment Data Science Center, DS, ROIS) (20')
15:50–16:20 Coffee Break
16:20–18:10 Session 3: Data Sharing & Inter-Operability (Session chair: Susumu Goto) Keynote: <u>SeaDataNet, a Network of Distributed Oceanographic Data Centres Now Going to the Cloud</u> Serge Scory (Royal Belgian Institute for Natural Science) (30') • <u>Inter-University Upper Atmosphere Global Observation Network (IUGONET) Metadata Database</u> Yoshimasa Tanaka (Polar Environment Data Science Center, DS, ROIS) (20') • <u>Data Sharing at the National Research Institute for Earth Science and Disaster Resilience</u> Katsuhiko Shiomi (National Research Institute for Earth Science and Disaster Resilience) (20') • <i>Development of Data Sharing and Archiving on International Relations</i> Kiyohisa Shibai (Social Data Structuring Center, DS, ROIS) (20') Discussion (20') • Facilitator: Rorie Edmunds (International Program Office, ICSU World Data System)
18:30–20:30 Workshop Reception (@1F floor of DS building) • Welcome Remark: Takeshi Watanabe (International Program Office, ICSU World Data System)

Wednesday 6 December @ Multi-Purpose Meeting Room (2F, NINJAL)
09:30–11:00 Session 4: Data Citation & Data Publication (Session chair: Hironori Yabuki) Keynote: <u>Data Publishing and Data Citation - Are We There Yet?</u> Jens Klump (Mineral Resources, CSIRO in Australia) (30') • <u>Data Citation at World Data Center for Geomagnetism, Kyoto</u> Masahito Nose (Data Analysis Center for Geomagnetism, Kyoto University) (20') • <u>Data Citation Procedure on Science Database of Polar Research</u> Masaki Kanao (Polar Environment Data Science Center, DS, ROIS) (20') • <u>The Polar Data Catalogue: Best Practices for Sharing and Archiving Canada's Polar Data</u> Julie Friddell (Polar Data Catalogue in Canada) (20')
11:00–11:30 Coffee Break
11:30–12:30 Session 5: Data Journal - Best Practise (Session chair: Shinya Nakano) • <u>Data paper of JAMSTEC Report of Research and Development</u> Daisuke Suetsugu (Japan Agency for Marine-Earth Science and Technology) (20') • <u>"Polar Data Journal" ; A new data publishing platform for polar science</u> Akira Kadokura (Polar Environment Data Science Center, DS, ROIS) (20') • <u>Polar Science and Data Journal by "Elsevier Publisher"</u> Takeshi Yamanouchi (National Institute of Polar Research, ROIS) (20')
12:30–14:00 Lunch (+ Poster session)

14:00–16:10 Session 6: Future of Data Sharing, Citation & Publication across Disciplines (Session chair: Mustapha Mokrane, Yoshimasa Tanaka) Keynote: <i>The Canadian Consortium for Arctic Data Interoperability: An Emerging Initiative for Sharing Data Across Disciplines</i> Shannon Vossepel (University of Calgary) (30') • <i>Emerging domain agnostic functionalities on the handle-centered networks</i> Kei Kurakawa (National Institute of Informatics, ROIS) (20') • <i>Support Project for Data Fusion Computation: Current status and future prospects</i> Shinya Nakano (The Institute of Statistical Mathematics, ROIS) (20') • <i>The Present Situation of Open Data Usage in the Social Sciences and Related Problems</i> Yusuke Inagaki (Social Data Structuring Center, DS, ROIS) (20') • <i>Open Data in the Humanities: Data Sharing and Publication for Triadic Co-Creation</i> Asanobu Kitamoto (Center for Open Data in the Humanities, DS, ROIS) (20') Discussion (20') • Facilitator: Yasuhiro Murayama (National Institute of Information and Communications Technology)
16:10–17:00 Poster session
16:30–18:00 "Polar Data Journal" Editorial Board + Advisory Board Members' meeting (closed only) @ Multi-Purpose Meeting Room (1F, DS)
18:30–20:30 Workshop Banquet (@Tachikawa Grand Hotel)

Thursday 7 December @ Multi-Purpose Meeting Room (2F, NINJAL)
09:30–11:00 Session 7a: Toward Inter-Disciplinary Data Sharing & Publication (Session chair: Asanobu Kitamoto) • Keynote: <i>Toward An Open Science Ecosystem Including Sharing, Citing and Publishing Research Data</i> Yasuhiro Murayama (National Institute of Information and Communications Technology) (30') • <i>Vocabulary Broker Application Connecting Data, Information and Literature Across Various Scientific Domains</i> Bernd Ritschel (Kyoto University) (20') • <i>Recent Trends of Open Publication and Policy Development for Open Science toward Inter-Disciplinary Data Sharing & Publication</i> Kazuhiro Hayashi (National Institute of Science and Technology Policy) (20') • <i>Data and Metadata Management at DIAS: Toward More Open Earth Environmental Information Platform</i> Toshiyuki Shimizu (Kyoto University) (20')
11:00–11:30 Coffee Break
11:30–12:30 Session 7b: Toward Inter-Disciplinary Data Sharing & Publication (Session chair: Masaki Kanao) • <i>Building Trust in Scientific Data: Certification & the CoreTrustSeal</i> Rorie Edmunds (International Program Office, ICSU World Data System) (20') • <i>Interdisciplinary Online Data Sharing Service on ADS</i> Takeshi Sugimura (International Arctic Environment Research Center, NIPR, ROIS) (20') • <i>Toward Activities of WDS Community of Japan toward International and Interdisciplinary Data sharing;</i> Takashi Watanabe (International Program Office, ICSU World Data System) (20')

Closing of Workshop
12:30–14:00 Lunch
afternoon Free Time (Participate to 8th NIPR Annual Symposium, etc.)
18:00–20:30 DS Town Hall Meeting (@ Restaurant nearby Palace Hotel Tachikawa)

Poster Presentation @ outside of Multi-Purpose Meeting Room (2F, NINJAL)
Core Time; Wednesday 6 December 13:10–14:00, 16:10-17:00 • <u>P-1: "Standing Committee on Antarctic Data Management (SCADM)"</u> Anton Van de Putte (Royal Belgian Institute for Natural Science) • <u>P-2: "Antarctic Biodiversity Portal"</u> Anton Van de Putte (Royal Belgian Institute for Natural Science) • <u>P-3: History of polar data management in Japan; before and after the IPY2007-2008</u> Masaki Kanao (Polar Environment Data Science Center, DS, ROIS) • <i>P-4: Antarctic rock samples database: current status and future perspectives</i> Tomokazu Hokada (Polar Science Resources Center, NIPR, ROIS) • <u>P-5: Activities of Polar Environment Data Science Center</u> Akira Kadokura (Polar Environment Data Science Center, DS, ROIS) • <u>P-6: "Polar Data Journal" ; A new data publishing platform for polar science</u> Yasuyuki Minamiyama (Library, National Institute of Polar Research, ROIS) • <i>P-7: Possibility and prevention of data tampering in the referee process of data journal</i> Takeshi Terui (International Arctic Environment Research Center, NIPR, ROIS) • <u>P-8: Inter-University Upper Atmosphere Global Observation Network (IUGONET) Metadata Database</u> Yoshimasa Tanaka (Polar Environment Data Science Center, DS, ROIS) • <i>P-9: Web service for reproducible multidisciplinary data visualization</i> Koji Imai (National Institute of Information and Communications Technology) • <i>P-10: Current activities towards data sharing at Center for Global Environmental Research, National Institute for Environmental Studies (CGER/NIES)</i> Yoko Fukuda (National Institute for Environmental Studies)

Friday 8 December @ Seminar Room (3F, NIPR)
10:00–12:00 Inter-Disciplinary session on "Polar Data Science" of the 8th NIPR Annual Symposium
13:00–16:00 Inter-Disciplinary session on "Polar Data Science" of the 8th NIPR Annual Symposium

Abbreviation & Location-Access URL:

DS : [Joint Support-Center for Data Science Research](#)

NIPR: [National Institute of Polar Research](#)

NINJAL: [National Institute for Japanese Language and Linguistics](#)

