# 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"

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>17:00–18:30</td>
<td><strong>Registration</strong></td>
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<tr>
<td>18:30–20:30</td>
<td><strong>Icebreaker (@ &quot;Southern Cross&quot; nearby Data Science Building &amp; Polar Science Museum)</strong></td>
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### Tuesday 5 December @ Lecture Room (4F, NIPR)

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>09:00–10:00</td>
<td><strong>Registration</strong></td>
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<tr>
<td>10:00–10:30</td>
<td><strong>Opening Remarks</strong></td>
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<tr>
<td>10:30–12:30</td>
<td><strong>Session 1: Data Center - Best Practise &amp; Activity</strong> (Session chair: Akira Kadokura)</td>
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- **Keynote 1:** *Understanding and Building the Arctic Data System for Research, Monitoring and Societal Benefit*  
  - 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’)

- **Marine and Earth Informatics, JAMSTEC Center**  
  - 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’)

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<tr>
<td>12:30–14:00</td>
<td><strong>Group Photo @ Entrance of DS Building -&gt; Lunch</strong></td>
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<tr>
<td>14:00–15:50</td>
<td><strong>Session 2: Database, Data System - Network &amp; Administration</strong> (Session chair: Seiji Tsuboi)</td>
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- **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’)

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**Note:** The programme is subject to change. For the latest updates, please refer to the official workshop website.
**Development of Research Data Management Service for Open Science in Japan**  
*Yusuke Komiyama* (National Institute of Informatics, ROIS) (20’)

*about PANSY Data and Science (TBD)*  
*Koji Nishimura* (Polar Environment Data Science Center, DS, ROIS) (20’)

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15:50–16:20 *Coffee Break*

16:20–18:10 **Session 3: Data Sharing & Inter-Operability**  
(Session chair: Susumu Goto)

**Keynote:** *SeaDataNet, a distributed system of oceanographic data bases now going to the cloud*  
*Serge Scory* (Royal Belgian Institute for Natural Science) (30’)

*Inter-University Upper Atmosphere Global Observation Network (IUGONET) Metadata Database*  
*Yoshimasa Tanaka* (Polar Environment Data Science Center, DS, ROIS) (20’)

*Data Sharing at the National Research Institute for Earth Science and Disaster Resilience*  
*Katsuhiko Shiomi* (National Research Institute for Earth Science and Disaster Resilience) (20’)

*Development of Data Sharing and Archiving in International Relations*  
*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)

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**Wednesday 6 December @ Multi-Purpose Meeting Room (2F, NINJAL)**

11:00–11:30 *Coffee Break*

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11:30–12:30 **Session 5: Data Journal - Best Practise**  
(Session chair: Shinya Nakano)

- **JAMSTEC Report of Research and Development**  
  *Daisuke Suetsugu* (Japan Agency for Marine-Earth Science and Technology) (20’)

- **Activities of Polar Environment Data Science Center and introduction on "Polar Data Journal"**  
  *Akira Kadokura* (Polar Environment Data Science Center, DS, ROIS) (20’)

- **Polar Science and Data Journal by "Elsevier Publisher"**  
  *Takeshi Yamanouchi* (National Institute of Polar Research, ROIS) and *Emilie Wang* (Elsevier Beijing) (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: CCADI: The Canadian Consortium for Arctic Data Interoperability
Shannon Vossepoel (University of Calgary) (30’)
- Emerging domain agnostic functionalities on the handle-centered networks
Kei Kurakawa (National Institute of Informatics, ROIS) (20’)
- Support Project for Data Fusion Computation: Current status and future prospects
Shinya Nakano (The Institute of Statistical Mathematics, ROIS) (20’)
- The present situation of open data usage in the social sciences and its problems to be solved
Yusuke Inagaki (Social Data Structuring Center, DS, ROIS) (20’)
- Open Data in the Humanities: Data Sharing and Publication for Triadic Co-Creation
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: Strengthening International Data Sharing Networks
Mustapha Mokrane (International Program Office, ICSU World Data System) (30’)
- Vocabulary Broker application connecting data, information and literature across various scientific domains
Bernd Ritschel (University of Applied Sciences Potsdam) (20’)
- Recent Trends of Open Publication and Policy Development for Open Science toward Inter-Disciplinary Data Sharing & Publication
Kazuhiro Hayashi (National Institute of Science and Technology Policy) (20’)
- Data and Metadata Management at DIAS: Toward More Open Earth Environmental Information Platform
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)
- Building Trust in Scientific Data: Certification & the CoreTrustSeal
Rorie Edmunds (International Program Office, ICSU World Data System) (20’)
- Interdisciplinary Online Data Sharing Service on ADS
Takeshi Sugimura (International Arctic Environment Research Center, NIPR, ROIS) (20’)
- Toward An Open Science Ecosystem Including Sharing, Citing and Publishing Research Data
Yasuhiro Murayama (National Institute of Information and Communications Technology) (20’)

Closing of Workshop
Lunch

Free Time (Participate to 8th NIPR Annual Symposium, etc.)

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

- **P-1**: "Standing Committee on Antarctic Data Management (SCADM)"
  
  Anton Van de Putte (Royal Belgian Institute for Natural Science)

- **P-2**: "Antarctic Biodiversity Portal"
  
  Anton Van de Putte (Royal Belgian Institute for Natural Science)

- **P-3**: History of polar data management in Japan; before and after the IPY2007-2008
  
  Masaki Kanao (Polar Environment Data Science Center, DS, ROIS)

- **P-4**: Antarctic rock samples database: current status and future perspectives
  
  Tomokazu Hokada (Polar Science Resources Center, NIPR, ROIS)

- **P-5**: "Polar Data Journal"; A new data publishing platform for polar science
  
  Yasuyuki Minamiyama (Library, National Institute of Polar Research, ROIS)

- **P-6**: Possibility and prevention of data tampering in the referee process of data journal
  
  Takeshi Terui (International Arctic Environment Research Center, NIPR, ROIS)

- **P-7**: Inter-University Upper Atmosphere Global Observation Network (IUGONET)
  
  Yoshimasa Tanaka (Polar Environment Data Science Center, DS, ROIS)

- **P-8**: Web service for reproducible multidisciplinary data visualization
  
  Koji Imai (National Institute of Information and Communications Technology)

- **P-9**: Current activities towards data sharing at Center for Global Environmental Research, National Institute for Environmental Studies (CGER/NIES)
  
  Yoko Fukuda (National Institute for Environmental Studies)
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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