

# ICSU Word Data System Asia-Oceania Conference, 2017\*

\*updated on 19 Sep. 2017

## 26 SEP (TUE) Cooperative -Event (Data-Analysis Workshop on Solar-terrestrial Environment)

Venue: Science Seminar House, Kyoto University

<http://www.sci.kyoto-u.ac.jp/en/map.html>

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| 10:00-10:30 | Registration of Cooperative Event   |  |       |
| 10:30-10:40 | Scope of the Data-Analysis Workshop on Solar-terrestrial Environment  | T. Watanabe (WDS International Programme Office)   |       |
| 10:40-11:00 | Summary report of the space weather environment in recent half year   | S. Abe (International Center for Space Weather Science and Education, Kyushu University)   |       |
| 11:00-11:15 | Summary report of solar radio observations during recent half year  | Y. Kubo (Space Environment Laboratory, National Institute of Information and Communications Technology)  |       |
| 11:15-11:30 | Report of cosmic-ray neutron monitor observations since March 2017  | T. Watanabe (WDC for Cosmic Rays, ISEE, Nagoya University)   |       |
| 11:30-11:45 | Review of Geomagnetic Events at KAKIOKA from February to August, 2017   | T. Shimamura, and T. Ohkawa (Kakioka Magnetic Observatory, Japan Meteorological Agency)  |       |
| 11:45-12:00 | Report on Equatorial magnetic field variations based on EE-index from March to August 2017  | A. Fujimoto, S. Abe, T. Uozumi, H. Matsushita, A. Yoshikawa (International Center for Space Weather Science and Education, Kyushu University)  |       |
| 12:00-12:15 | Ionospheric observations in April - September 2017  | T. Tsugawa*, M. Nishioka, H. Kato, M. Ishii (Space Environment Laboratory, National Institute of Information and Communications Technology)  |       |
| 12:15-12:30 | SuperDARN radar observations in March – September 2017  | N. Nishitani (Institute for Space-Earth Environmental Research, Nagoya Univ.)  |       |
| 12:30-13:30 | Lunch   |  |       |
| 13:30-14:00 | Discussions   |  |       |
| 14:00-14:20 | <b>S-1 (memorial)</b> Utilization of a Suite of Ground-based and space based data with the aid of magnetohydrodynamic simulation to understand solar eruptive events and initiation of coronal mass ejections (CME) | S. T. Wu* (Center For Space Plasma and Aeronomic Research and Department of Mechanical and Aerospace Engineering, The University of Alabama in Huntsville), Presented by C.-C. Wu (Naval Research Laboratory)<br>*1931-2017  | Abst. |
| 14:20-14:40 | <b>S-4:</b> Real time GPS data in Indonesia for space weather monitoring  | Buldan Muslim <sup>1*</sup> and Joni Efendi <sup>2</sup> ( <sup>1</sup> Space Science Center, National Institute of Aeronautics and Space, LAPAN, <sup>2</sup> Geospatial Information Agency, Indonesia)   | Abst. |
| 14:40-15:00 | <b>S-5:</b> Importance of geomagnetic data and the role of WDC-Mumbai in solar terrestrial research (invited)   | B. Veenadhari (Indian Institute of Geomagnetism)   | Abst. |
| 15:00-15:20 | <b>S-6:</b> The data and metadata management in Australian Bureau of Meteorology, Space Weather Services (invited)  | K. Wang (Space Weather Services, Bureau of Meteorology, Australia)   | Abst. |
| 15:20-15:50 | Break, Poster Viewing   |  |       |
| 15:50-16:10 | <b>S-7:</b> A comparison between the geoeffectiveness of north-south and south-north magnetic clouds, and an associated prediction  | C.-C. Wu <sup>1*</sup> , R. P. Lepping <sup>2</sup> , D. B. Berdichevsky <sup>3</sup> , and K. Liou <sup>4</sup> ( <sup>1</sup> Naval Research Laboratory, <sup>2</sup> Goddard Space Flight Center, NASA, <sup>3</sup> College Park, Maryland, <sup>4</sup> Applied Physics Laboratory, Johns Hopkins University) | Abst. |
| 16:10-16:30 | <b>S-8:</b> Time varying heliospheric size due to   | H. Washimi <sup>1,2*</sup> , T. Tanaka <sup>1</sup> and G. P. Zank <sup>2,3</sup>  | Abst. |

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|  | variations in solar activity   | ( <sup>1</sup> International Center for Space Weather Science and Education, Kyushu University, <sup>2</sup> Center for Space Plasma and Aeronomic Research, and <sup>3</sup> Department of Space Science, University of Alabama in Huntsville   |       |
| 16:30-16:50  | <b>S-9:</b> The days when aurorae were seen in Japan: Tracing back Japanese historical documents beyond the Carrington event   | H. Hayakawa (Osaka University)   | Abst. |
| <b>27 SEP (WED) WDS Asia-Oceania Conference 2017 #1</b><br>Venue: Maskawa Building for Education Research, Kyoto University<br><a href="http://www.sci.kyoto-u.ac.jp/en/map.html">http://www.sci.kyoto-u.ac.jp/en/map.html</a> |  |  |       |
| 10:00-10:30  | Registration   |  |       |
| 10:30-10:50  | Opening Address  | SOC  |       |
| 10:50-11:00  | <b>W-1:</b> Welcome address from National Institute of Information and Communications Technology (NICT)  | F. Tomita (Vice President, National Institute of Information and Communications Technology)  |       |
| 11:00-11:10  | <b>W-2:</b> Welcome and note on ICSU ROAP Activities   | L. J. Cruz (Chair, ICSU Regional Committee for Asia and the Pacific)   | Abst. |
| <b>Keynote Talks</b>   |  |  |       |
| 11:10-11:30  | <b>K-1:</b> ICSU-WDS, trustworthy data services for science  | M. Mokrane (Executive Director, ICSU WDS International Programme Office)   | Abst. |
| 11:30-11:50  | <b>K-2:</b> Future Earth and WDS - collaboration at international and national levels  | F. Kasuga (Director, Future Earth Global Hub in Tokyo)   | Abst. |
| 11:50-12:10  | <b>K-3:</b> The role of Regional Centre for Future Earth in Asia   | H. Mallee (Director, Regional Centre for Future Earth in Asia, Research Institute for Humanity and Nature)   | Abst. |
| 12:10-12:30  | <b>K-4:</b> Scope and goal of the WDS Asia-Oceania Conference, 2017  | T. Watanabe <sup>1*</sup> , T. Iyemori <sup>2</sup> and G. Li <sup>3</sup><br>(* <sup>1</sup> WDS International Programme Office. <sup>2</sup> WDC for Geomagnetism, Kyoto, Graduate School of Science, Kyoto University, <sup>3</sup> Institute of Remote Sensing and Digital Earth, CAS) | Abst. |
| 12:30-13:40  | Lunch (1 <sup>st</sup> Group Photo), Poster posting  |  |       |
| <b>Session 1. International Collaborations on Data</b>   |  |  |       |
| 13:40-14:00  | <b>1-1:</b> GEO implementation of data sharing and data management Principles  | Wenbo Chu (GEO Secretariat)  | Abst. |
| 14:00-14:20  | <b>1-2:</b> Introduction to China GEOSS data sharing platform  | Jian Wang (Institute of Remote Sensing and Digital Earth, CAS)   | Abst. |
| 14:20-14:40  | <b>1-3:</b> Data Integration and Analysis System (DIAS): recent activities toward Open Science   | A. Kitamoto (National Institute of Informatics)  | Abst. |
| 14:40-15:00  | <b>1-4:</b> World Data Center for Microorganisms: The global cooperation on microbial big data   | Juncai Ma (World Data Center for Microorganisms, CAS)  | Abst. |
| 15:00-15:20  | <b>1-5:</b> AOSWA, Asia-Oceania Space Weather Alliance   | M. Ishii (National Institute of Information and Communications Technology)   | Abst. |
| 15:20-15:40  | <b>1-6:</b> Construction of Chinese Space Science Data Center (CSSDC) and international cooperation in recent years  | Yuan, Yaqin* and Zou, Ziming (National Space Science Center, CAS)  | Abst. |
| 15:40-16:00  | <b>2-7:</b> WDS China Common Clearing House Prototype and its application in Renewable Resource and Environment Data Center  | Juanle Wang (Institute of Geographic Sciences and Natural Resources Research, CAS)   | Abst. |
| 16:00-18:00  | Poster Session   |  |       |
| 18:30-20:00  | Welcome reception (Opening address: Prof. M. Kitano, Vice President of Kyoto University)<br>Venue: Science Seminar House, Kyoto University <a href="http://www.sci.kyoto-u.ac.jp/en/map.html">http://www.sci.kyoto-u.ac.jp/en/map.html</a> |  |       |
| <b>28 SEP (THU) WDS Asia-Oceania Conference 2017 #2</b>  |  |  |       |

Venue: Maskawa Building for Education Research, Kyoto University  
<http://www.sci.kyoto-u.ac.jp/en/map.html>

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| 09:00-09:30   | Registration  |   |       |
| <b>Session 2. Data Activities related to Future Earth</b> |   |   |       |
| 09:30-09:50   | <b>2-1:</b> Development plan of the Future Earth data services/system   | K. Yamada-Kawai <sup>1*</sup> , H. Mohri <sup>1</sup> , C. Downy <sup>1</sup> , K. Fukushi <sup>1</sup> , E. Brondizo <sup>1</sup> , and M. Hernandez <sup>1</sup> ( <sup>1</sup> Future Earth Global Hub in Tokyo)   | Abst. |
| 09:50-10:10   | <b>2-2:</b> Frameworks, standards, and trust: Supporting disaster risk - DBAR Working Group approach  | Wim Hugo (South African Environmental Observation Network)  | Abst. |
| 10:10-10:30   | <b>2-3:</b> Technological contributions to “last mile” Disaster Reduction and Risk Management (DRRM) efforts of the Philippines               | J. S. Marciano <sup>1</sup> and A. M. F. Lagmay <sup>2*</sup> ( <sup>1</sup> Advanced Science and Technology Institute, <sup>2</sup> University of the Philippines)   | Abst. |
| 10:30-10:50   | <b>2-4:</b> Ecological topics of the SIMSEA’s activities in Future Earth  | N. Miyazaki (University of Tokyo & Marine Science Foundation)   | Abst. |
| 10:50-11:10   | Break, Poster viewing   |   |       |
| 11:10-11:30   | <b>2-5:</b> Data for Monitoring Carbon Cycle Change in the Asia-Pacific using an integrated observation, Modelling and Analysis System        | N. Saigusa (National Institute for Environmental Studies)   | Abst. |
| 11:30-11:50   | <b>2-6:</b> Using health information system to assess public health impacts of disasters: a retrospective study of Pakistan earthquake 2015   | Junaid Ahmad <sup>1*</sup> and Mokbul Morshed Ahmad <sup>2</sup> ( <sup>1</sup> Disaster Preparedness Mitigation & Management, Asian Institute of Technology, Thailand, <sup>2</sup> Regional and Rural Development Planning; School of Environment, Resources and Development)   | Abst. |
| 11:50-12:10   | <b>2-8:</b> Importance of high-quality data for developing tsunami risk assessment tools: A comparison of data from Japan and ASEAN countries | A. Suppasri <sup>1*</sup> , T. Ornthammarath <sup>2</sup> , and F. Imamura <sup>1</sup> ( <sup>1</sup> *International Research Institute of Disaster Science, Tohoku University, <sup>2</sup> Faculty of Engineering, Mahidol University)   | Abst. |
| 12:10-12:30   | <b>2-9:</b> Challenges for Implementing Open Science Policy in Japan including Future Earth   | K. Hayashi (National Institute of Science and Technology Policy,  | Abst. |
| 12:30-14:00   | Lunch, Poster viewing   |   |       |
| <b>Session 3. Capacity Building on Data</b>               |   |   |       |
| 14:00-14:20   | <b>3-1:</b> IUGONET activities for data sharing of upper atmospheric data and capacity building   | Y. Tanaka <sup>1*</sup> , N. Umemura <sup>2</sup> , A. Shinbori <sup>2</sup> , S. Abe <sup>3</sup> , M. Nosé <sup>4</sup> , and S. UeNo <sup>5</sup> ( <sup>1</sup> National Institute of Polar Research, <sup>2</sup> Institute for Space-Earth Environmental Research, Nagoya Univ., <sup>3</sup> International Center for Space Weather Science and Education, Kyushu Univ., <sup>4</sup> World Data Analysis Center for Geomagnetism and Space Magnetism, Kyoto Univ., <sup>5</sup> Kwazan and Hida Observatories, Kyoto Univ.) | Abst. |
| 14:20-14:40   | <b>3-2:</b> The data-oriented activity at Thai Space Weather Information Center   | Prasert Kenpankho (King Mongkut's Institute of Technology Ladkrabang)   | Abst. |
| 14:40-15:00   | <b>3-3:</b> VLF monitoring system for characterizing the lower layer ionospheric region   | M. H. Jusoh <sup>*1</sup> , A. Taat <sup>1</sup> , and N. A. Zakaria <sup>1</sup> ( <sup>1</sup> Universiti Teknologi MARA)   | Abst. |
| 15:00-15:20   | <b>3-4:</b> APHRODITE-2 Activities: for better presentation of extreme rain-fall events   | A. Yatagai <sup>1</sup> , N. Yasutomi <sup>2*</sup> , S. Tanaka <sup>2</sup> , K. Tanaka <sup>2</sup> , A. Higuchi <sup>3</sup> , and K. Toyoshima <sup>3</sup> ( <sup>1</sup> Dept. of Science and Engineering, Hirosaki Univ., <sup>2</sup> Disaster Prevention Research Institute, Kyoto Univ., <sup>3</sup> Center for Environmental Remote Sensing, Chiba Univ.)   | Abst. |
| 15:20-15:40   | Break, Poser Viewing  |   |       |
| 15:40-16:20   | Thematic group discussions on data (Future Earth, Space Weather, Open Data)   |   |       |
| 16:20-16:40   | Reports of thematic discussion groups   | Group leaders   |       |
| 16:40-17:10   | <b>SL-1:</b> X-rays from a Kyoto Millennium   | Katsuji Koyama (Department of Physics,  | Abst. |

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|  | Supernova Remnant (SNR)   | Graduate School of Science, Kyoto University)  |       |
| 17:10-18:00  | Cultural attraction, Poster viewing   |  |       |
| 18:20-20:30  | Conference Party (Venue: Café-Restaurant "Camphora", Kyoto University)<br><a href="http://www.kyoto-u.ac.jp/en/access/yoshida/main.html">http://www.kyoto-u.ac.jp/en/access/yoshida/main.html</a> |  |       |
| <b>29 SEP (FRI) WDS Asia-Oceania Conference 2017 #3</b><br>Venue: Maskawa Building for Education Research, Kyoto University<br><a href="http://www.sci.kyoto-u.ac.jp/en/map.html">http://www.sci.kyoto-u.ac.jp/en/map.html</a> |   |  |       |
| 09:00-09:30  | Registration  |  |       |
| <b>Session 4. Open Data and Open Science</b>   |   |  |       |
| 09:30-09:50  | <b>4-1:</b> Open data in Japan  | Y. Murayama (National Institute of Information and Communications Technology)  | Abst. |
| 09:50-10:10  | <b>4-2:</b> Open data and open science in S. Korea: researcher's perspective  | Eunjung Shin (Science and Technology Policy Institute)   | Abst. |
| 10:10-10:30  | <b>4-3:</b> Research data infrastructure in Chinese Academy of Science  | Lianglin Hu <sup>*1</sup> , Jianhui Li <sup>1</sup> ( <sup>1</sup> Department of Big Data Technology and Application Development, Computer Network Information Center, CAS)  | Abst. |
| 10:30-10:50  | <b>4-4:</b> Exploring further than open science: participatory and transdisciplinary aspects of open science  | Yasuhisa Kondo (Research Institute for Humanity and Nature)  | Abst. |
| 10:50-11:10  | Break, Poster viewing   |  |       |
| 11:10-11:30  | <b>4-5:</b> Science advocacy in disaster risk reduction: implication of data issue  | R. Shaw (Keio University)  | Abst. |
| 11:30-11:50  | <b>4-6:</b> Towards Open Science in environmental research  | T. Shirai <sup>1*</sup> , M. Owashi <sup>2</sup> , Y. Fukuda <sup>1</sup> , J. Zeng <sup>1</sup> , and N. Saigusa <sup>1</sup> ( <sup>1</sup> Center for Global Environmental Research, National Institute for Environmental Studies, <sup>2</sup> Environmental Information Department, National Institute for Environmental Studies) | Abst. |
| 11:50-12:10  | <b>4-8:</b> Vocabulary broker for cross-domain search and mashup of data and information within an AI-based knowledge network   | B. Ritschel  | Abst. |
| 12:10-13:10  | Lunch, Poster Removal   |  |       |
| 13:10-13:40  | <b>4-9:</b> The role of collaboration in providing Research Data Management (RDM) support and services (Invited)  | Heidi J. Imker (University Library, University of Illinois at Urbana-Champaign)  | Abst. |
| 13:40-14:00  | <b>4-10:</b> Open Data and Open Science at Kyoto University   | Shoji Kajita (Academic Center for Computing and Multimedia Studies, Kyoto University)  |       |
| 14:00-14:20  | <b>4-11:</b> Research data management services in library in academic libraries perceptions   | K. B. Agadi (School of Library and Information Sciences, Central University of Gujarat, India)   | Abst. |
| 14:20-14:30  | Break   |  |       |
| <b>Session 5. Accreditation and Certification of Data Repositories</b>   |   |  |       |
| 14:30-14:50  | <b>5-1:</b> The CoreTrustSeal: data repository certification  | I. G. Dillo (DANS: Data Archiving and Networked Services)  | Abst. |
| 14:50-15:10  | <b>5-2:</b> WDS membership accreditation  | R. Edmunds (ICSU-WDS International Programme Office)   |       |
| 15:10-15:30  | Q&A, Discussion   | WDS Scientific Organizing Committee  |       |
| <b>Session 6. Future Plan</b>  |   |  |       |
| 15:30-16:00  | Plan of future collaboration, Discussion  | SOC  |       |
| 16:00-16:10  | Closing remarks   | SOC+LOC  |       |

| Posters |  |   |       |
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| P-1     | WDS National Committee of Japan  | T. Watanabe <sup>1*</sup> , T. Iyemori <sup>2</sup> , I. Kojima <sup>3</sup> and Y. Murayama <sup>4</sup> ( <sup>1</sup> ICSU WDS International Programme Office, <sup>2</sup> WDC for Geomagnetism, Kyoto, Kyoto University, <sup>3</sup> National Institute of Advanced Industrial Science and Technology, <sup>4</sup> National Institute of Information and Communications Technology)                                  | Abst. |
| P-2     | WDS China Data Centers Introduction  | Juanle Wang <sup>1*</sup> and Guoqing Li <sup>2</sup> ( <sup>1</sup> State Key Laboratory of Resources and Environment Information System, Institute of Geographic Sciences and Natural Resources Research, CAS, <sup>2</sup> Institute of Remote Sensing and Digital Earth, CAS)   | Abst. |
| 4-7     | The Framework of OAIS and its application assumption in World Data Center for Renewable Resources and Environment (WDS-RRE)              | Mingming Wang <sup>1,2*</sup> and Juanle Wang <sup>2</sup> ( <sup>1</sup> State Key Laboratory of Resources and Environment Information System, Institute of Geographic Sciences and Natural Resources Research, CAS, <sup>2</sup> School of Civil and Architectural Engineering, Shandong University of Technology)  | Abst. |
| P-3     | Data citation for Antarctic sciences in Japan  | M. Kanao <sup>1*</sup> and A. Kadokura <sup>1</sup> ( <sup>1</sup> Polar Environment Data Science Center, Joint Support-Center for Data Science Research, Research Organization of Information and Systems)   | Abst. |
| P-4     | Polar Data Journal by National Institute of Polar Research   | A. Kadokura <sup>1,2*</sup> , Y. Minamiyama <sup>2</sup> , M. Kanao <sup>1,2</sup> , T. Terui <sup>2</sup> , H. Yabuki <sup>1,2</sup> and K. Yamaji <sup>3</sup> ( <sup>1</sup> Polar Environment Data Science Center, Joint Support-Center for Data Science Research, Research Organization of Information and Systems, <sup>2</sup> National Institute of Polar Research, <sup>3</sup> National Institute of Informatics) | Abst. |
| P-5     | Situation and progress of Chinese National Arctic and Antarctic Data Center  | Lizong Wu, (Polar Research Institute of China Chinese National Arctic and Antarctic Data Center)  |       |
| P-6     | Pollen sources and some aspects in the ecology of <i>Apis andreniformis</i> Smith from Select Barangays in Puerto Princesa City, Palawan | J. L. Estrada <sup>1*</sup> , A. M. Fajardo <sup>1</sup> and N. G. Sabino <sup>2</sup> ( <sup>1</sup> Environmental Biology Division, Institute of Biology, University of the Philippines Los Baños, College, <sup>2</sup> Microbiology Division, Institute of Biology, University of the Philippines Los Baños, College)   | Abst. |
| P-7     | A new branch of Chinese Space Science Data Center (CSSDC) -- Scientific data mining for space science                                    | Y.-L. Li <sup>1*</sup> , S.-Y. Li <sup>2</sup> and Z.-M. Zou <sup>1</sup> ( <sup>1</sup> Laboratory of Data and Network, National Space Science Center, CAS, <sup>2</sup> Department of Astronomy, Beijing Normal University)   | Abst. |
| P-8     | The Outlook of Big Data Application in Agriculture in China  | W. Wang* and L. Guo (Agricultural Information Research Institute, Chinese Academy of Agricultural Sciences)   | Abst. |
| P-9     | Informational website for observation networks of greenhouse gases and related materials in the Asia-Pacific region                      | Y. Fukuda <sup>1*</sup> , T. Shirai <sup>1</sup> and N. Saigusa <sup>1</sup> ( <sup>1</sup> Center for Global Environmental Research, National Institute for Environmental Studies)   | Abst. |
| P-10    | Database of JaLTER (Long-Term Ecological Research network): Functions and efforts for the open data                                      | N. Ohte <sup>1*</sup> , H. Shibata <sup>2</sup> and N. Saigusa <sup>3</sup> ( <sup>1</sup> Department of Social Informatics, Kyoto University, <sup>2</sup> Field Science Center for Northern Biosphere, Hokkaido University, <sup>3</sup> Center for Global Environ. Research, National Institute for Environmental Studies)   | Abst. |
| P-11    | Procedure-Policies-Standards of GCdataPR for Data Publishing-Repository-Sharing  | Chuang Liu (Institute of Geographical Resources and Natural Resources Research, CAS)  |       |
| P-12    | Reproducible and shareable data visualization method   | K. Imai <sup>1*</sup> , Y. Murayama <sup>1</sup> , K. Ebisawa <sup>2</sup> , D. Ikeda <sup>3</sup> , and D. Seguchi <sup>3</sup> ( <sup>1</sup> National Institute of Information and Communications Technology, <sup>2</sup> Japan Aerospace Exploration Agency, Institute of Space and Astronautical Science <sup>3</sup> , Graduate School of Information Science and  | Abst. |



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|      |  | Electrical Engineering, Kyushu University)   |       |
| P-13 | Current status and perspective of digital archives of Taiwan fishes  | Kwang-Tsao Shao <sup>1*</sup> , Shih-Pin Huang <sup>2</sup> , Hsin-Hua Lin <sup>1</sup> , Hang Lee <sup>1</sup> , and Pai-Lei Lin <sup>2</sup> ( <sup>1</sup> Academia Sinica Center for Digital Culture)  | Abst. |
| P-15 | Thirteen years daily and annual mean land surface temperature and frost number index dataset over third pole based on MODIS instantaneous LST products | Youhua Ran <sup>1*</sup> and Xin Li <sup>2</sup> ( <sup>1</sup> Cold and Arid Regions Environmental and Engineering Research Institute, CAS, <sup>2</sup> CAS Center for Excellence in Tibetan Plateau Earth Sciences)   | Abst. |
| P-16 | Atmospheric Radar Observation Database at Research Institute of RISH, Kyoto University   | H. Hashiguchi <sup>1*</sup> , M. Shiotani <sup>1</sup> , M. Yamamoto <sup>1</sup> , A. Shinbori <sup>2</sup> and T. Tsuda <sup>1</sup> ( <sup>1</sup> Research Institute for Sustainable Humanosphere, Kyoto Univ., <sup>2</sup> Institute for Space–Earth Environmental Research, Nagoya Univ.)   | Abst. |
| P-17 | Ionospheric Total electron content Variability over Low, Mid and High Latitudes  | P. K. Purohit <sup>1*</sup> and Roshni Atulkar <sup>1</sup> ( <sup>1</sup> National Institute of Technical Teachers' Training and Research)  | Abst. |
| P-18 | Ionospheric Response of Southern Hemisphere to Severe Geomagnetic Storms during Solar Cycle 23   | Seema C. S. <sup>1*</sup> and Prince. P. R. <sup>1</sup> , ( <sup>1</sup> Dept of Physics, University College, India)  | Abst. |
| P-19 | The global characteristic of a magnetic crochet and some statistic results   | Xing Zan-Yang <sup>1*</sup> , Ley Zhu <sup>1</sup> , Zhang Qing-He <sup>1</sup> , Han De-Sheng <sup>2</sup> , Chen Yao <sup>1</sup> ( <sup>1</sup> School of Space Science and Physics, Shandong University, <sup>2</sup> SOA Key Laboratory for Polar Science, Polar Research Institute of China)   | Abst. |
| P-21 | Data management progress at WDC for Geophysics, Beijing  | Xiukuan Zhao <sup>1,2*</sup> , Baiqi Ning <sup>1,2</sup> , Lianhuan Hu <sup>1,2</sup> and Haiyong Xie <sup>1,2</sup> ( <sup>1</sup> Key Laboratory of Earth and Planetary Physics, Institute of Geology and Geophysics, CAS, <sup>2</sup> Beijing National Observatory of Space Environment, Institute of Geology and Geophysics, CAS)                               | Abst. |
| P-22 | Activity of the World Data Center for Geomagnetism, Kyoto  | T. Iyemori <sup>1*</sup> , H. Toh <sup>1</sup> , M. Takeda <sup>1</sup> , M. Nose <sup>1</sup> , Y. Odagi <sup>1</sup> and N. Takeuchi <sup>1</sup> ( <sup>1</sup> World Data Center for Geomagnetism, Kyoto, Graduate School of Science, Kyoto University)  | Abst. |
| P-23 | Long term archive system for university-wide research data preservation  | Takaaki Aoki (Institute for Information Management and Communication, Kyoto University)  | Abst. |
| P-24 | Management of marine-earth science data and samples in JAMSTEC   | S. Tsuboi (Center for Earth Information Science and Technology, JAMSTEC)   | Abst. |
| P-25 | ICSWSE/MAGDAS data activity  | A. Fujimoto <sup>*</sup> , S. Abe, T. Uozumi, and A. Yoshikawa (International Center for Space Weather Science and Education, Kyushu University)   | Abst. |
| P-26 | FITSWebQL: a preview system for radio-astronomy FITS Cube files  | C. Zapart <sup>1*</sup> , Y. Shirasaki <sup>2</sup> , M. Ohishi <sup>2</sup> , Y. Mizumoto <sup>2</sup> , W. Kawasaki <sup>2</sup> , G. Kosugi <sup>2</sup> , and S. Eguchi <sup>3</sup> ( <sup>1</sup> Astronomy Data Center, National Astronomical Observatory of Japan, <sup>2</sup> National Astronomical Observatory of Japan, <sup>3</sup> Fukuoka University) | Abst. |
| P-27 | Dagik Earth: an education and public outreach activity using open data set of Earth and planetary sciences   | A. Saito <sup>1*</sup> , Y. Odagi <sup>1</sup> , and T. Tsugawa <sup>2</sup> , ( <sup>1</sup> Department of Geophysics, Kyoto University, <sup>2</sup> National Institute of Information and Communications Technology)  | Abst. |
| P-28 | IOC strategic plan for oceanographic data and information management (2017-2021) and IODE  | N. Baba <sup>1*</sup> , Y. Michida <sup>2</sup> , and P. Pissierssens <sup>3</sup> ( <sup>1</sup> Japan Oceanographic Data Center, <sup>2</sup> Atmosphere and Ocean Research Institute, the University of Tokyo, <sup>3</sup> UNESCO/IOC Project Office for IODE)   | Abst. |
| P-29 | Recent Activities of WDC for Ionosphere and Space Weather (WDC-ISW)  | T. Tsugawa <sup>*</sup> , M. Nishioka, H. Kato and M. Ishii (National Institute of Information and Communications Technology)  | Abst. |
| E-1  | Exhibition of Interuniversity Upper Atmosphere Global Observation NETwork (IUGONET)  |  |       |