

# 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>

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) *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.

	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> Venue: Maskawa Building for Education Research, 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>			
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> (* <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) 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>

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.

	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) <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> Venue: Maskawa Building for Education Research, 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>			
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			
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.

		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.
P-30	DARTS: JAXA's Space Science Data Archives	K. Ebisawa <sup>*</sup> , K. Matsuzaki, Y. Yamamoto, R. Yoshino, H. Tonooka, Y. Sugawara, K. Inada, Y. Fujishima, and T. Furusho <sup>1</sup> (Center of Science-satellite Operation and Data Archive, Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency),	Abst.
E-1	Exhibition of Interuniversity Upper Atmosphere Global Observation NETWORK (IUGONET)		