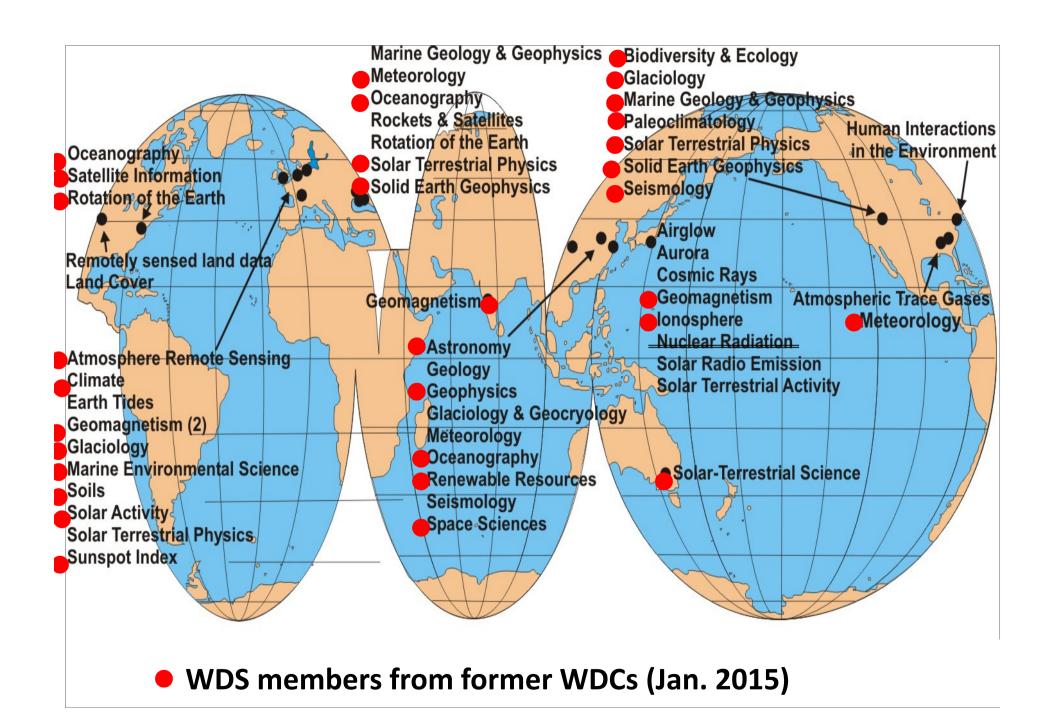
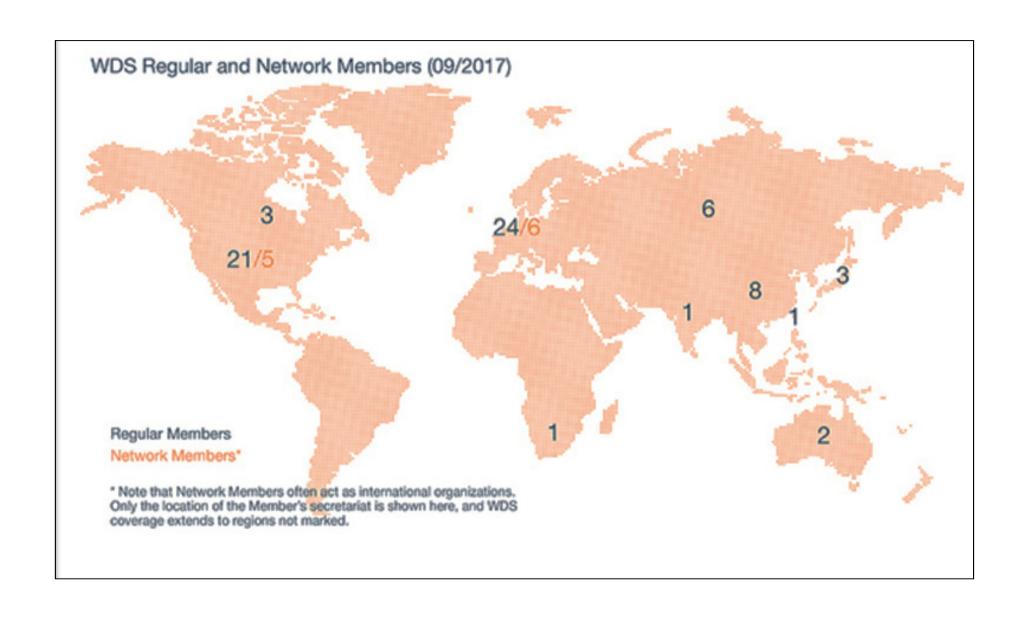


- Strengthen collaboration in the Asia-Oceania region to reinforce WDS-oriented activities
- Exchange experience on WDS membership application
- Encourage former ICSU World Data Centres to join WDS
- Introduce advanced technologies to data management
- Promote WDS-oriented activities in support of ICSU-led projects in the Asia-Oceania region, e.g. Future Earth



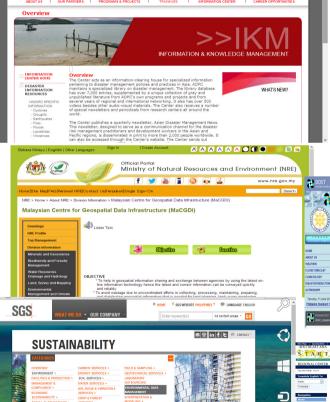


Regular	Australia
Regular	Australia
Partner	Australia
Regular	China
Regular	China Taipei
Regular	India
Regular	Japan
Regular	Japan
Regular	Japan
Associate	Korea
	Regular Partner Regular









ENVIRONMENTAL DATA







Welcome to Southeast Asia START Regional Center

2 2 2 2

問題点

政府関係のデータセンターが大部分(目的限定、 業務内容が規定されている、研究者にフレンドリー では無い・・・)

研究機関・研究グループによる研究データ公開は発展途上(意識改革、データ先進国との関係、人材育成・・・)

学術コミュニティによる、国際的な連携態勢の構築が重要



Date	AM		PM	Evening
26 Sep. (TUE)	Cooperative -Event (Data-Analysis Workshop on Solar-terrestrial Environment)		Cooperative -Event (Data-Analysis Workshop on Solar-terrestrial Environment)	
27 Sep. (WED)	Registration	Opening Talks	Keynote Talks Session1:International Collaborations Poster Session	Welcome Reception Venue #1
28 Sep. (TUE)	Session 2. Data Activities related to Future Earth		Session 3. Capacity Building Thematic Group Discussions Cultural attraction	Conferenc e Party Venue #3
29 Sep. (FRI)	Session 4. Open Data and Open Science		Session 4. Open Data and Open Science, Session 5. Accreditation and Certification of Data Repositories	

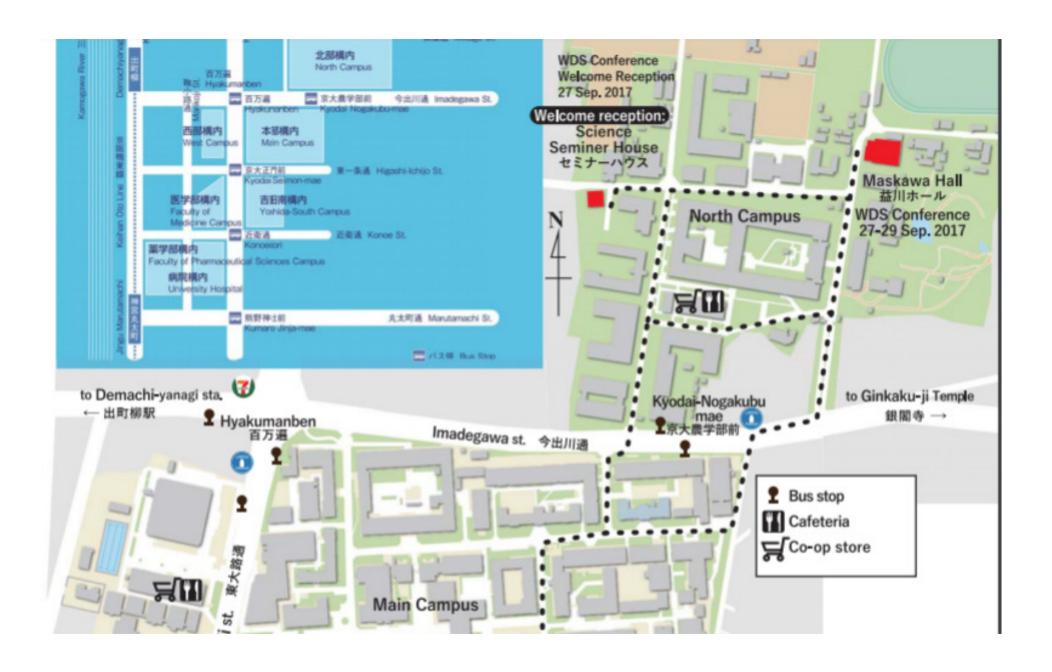
Thematic Group Discussion

- Open Data & Open Science
- Space Weather
- Future Earth

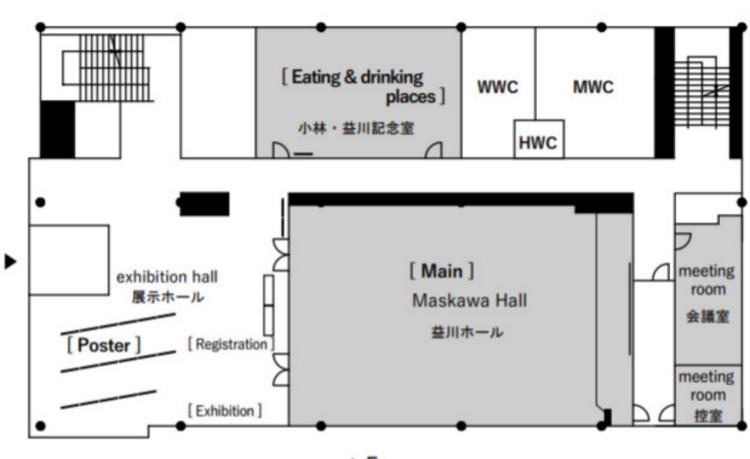
I1 Asia-Oceanic?

if mention asia-pacific, USA and Canada should be involved inside. Only European centers are kept outside for the whole WDS family.

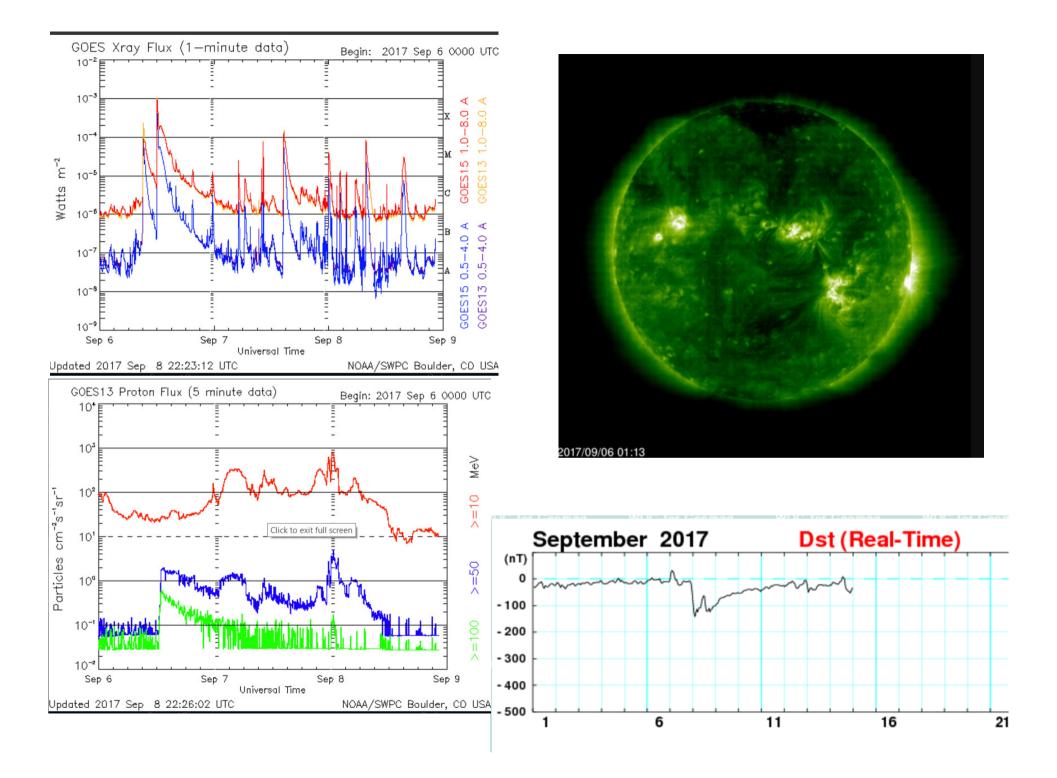
liguoqing, 2016/09/14



益川記念ホール



•	C) Cooperative Event (Data-Analysis Workshop o	on Solar-terrestrial Environment)↔
	ce 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	T. Watanabe (WDS International
	Solar-terrestrial Environment√	Programme Office)√
10:40-11:00	Summary report of the space weather environment	S. Abe (International Center for Space
	in recent half year₽	Weather Science and Education, Kyushu
		University)₽
11:00-11:15	Summary report of solar radio observations during	Y. Kubo (Space Environment Laboratory,
	recent half year↔	National Institute of Information and
		Communications Technology)₽
11:15-11:30	•	T. Watanabe (WDC for Cosmic Rays, ISEE,
	since March 2017₽	Nagoya University)₽
11:30-11:45	•	T. Shimamura, and T. Ohkawa (Kakioka
	February to August, 2017₽	Magnetic Observatory, Japan
		Meteorological Agency)√
11:45-12:00		A. Fujimoto, S. Abe, T. <u>Vozumi</u> , H.
	based on EE-index from March to August 2017₽	Matsushita, A. Yoshikawa (International
		Center for Space Weather Science and
		Education, Kyushu University)₽
12:00-12:15↔	Ionospheric observations in April - September 2017	
		Ishii (Space Environment Laboratory,
		National Institute of Information and
		Communications Technology)₽
12:15-12:30	***************************************	N. Nishitani (Institute for Space-Earth
	September 2017₽	Environmental Research, Nagoya Univ.)
12:30-13:30∉		
	Discussions€	
14:00-14:20	S-1 (memorial) Utilization of a Suite of	S. T. Wu* (Center For Space Plasma and
	Ground-based and space based data with the aid of	Aeronomic Research and Department of



28 SEP 2017

		study of rakistan earthquake 2013+	& Management, Asian institute of	
			Technology, Thailand, ² Regional and Rural	
			Development Planning; School of	
			Environment, Resources and Development)₽	
	11:50-12:10	2-8: Importance of high-quality data for developing	A. Suppasn ¹ *, T. Omthammarath ² and F.	4J
		tsunami risk-assessment tools: Acomparison of	Imamura ¹ (*1International Research Institute	
		data from Japan and ASEAN countries₽	of Disaster Science, Tohoku University,	
		-	² Faculty of Engineering, Mahidol University)	
	12:10-12:30	2-9: Challenges for Implementing Open Science	K. Hayashi (National Institute of Science	₽J
		Policy in Japan including Future Earth₽	and Technology Policy, 🕫	
	12:30-14:00	Lunch, Poster viewing₽		₽J
	Session 3. C	apacity Building on Data.		₽J.
ŀ		3-1: IUGONET activities for data sharing of upper	Y. Tanaka ^{1*} , N. Umemura ² , A. Shinbon ² , S.	47
		atmospheric data and capacity building	Abe3, M. Nosé4, and S. UeNo5 (1National	
			Institute of Polar Research, 2 Institute for	
			Space-Earth Environmental Research, Nagoya	
			Univ., 3International Center for Space Weather	
			Science and Education, Kyushu Univ., 4World	
			Data Analysis Center for Geomagnetism and	
			Space Magnetism, Kyoto Univ., 5Kwazan and	
-	11 20 11 10	A A	Hida Observatories, Kyoto Univ.)	┨_
	14.20-14.40	, <u> </u>	Prasent Kengankho (King Mongkut's	*
		Weather Information Center ₽	Institute of Technology Ladkrabang)₽	1
	14.40 15.00.1	3-3: VLF monitoring system for characterizing the	M. H. Jusoh*1, A. Taat ¹ , and N. A.	₽
	14:40-15:00€		***************************************	
		lower layer ionospheric region₽	Zakaria ¹ (¹ Universiti Teknologi MARA) ²	
	15:00-15:20	lower layer ionospheric region₽	***************************************	47

	Geophysics, Beijing€	Haiyong Xie ^{1,2} (¹ Key Laboratory of Earth and Planetary	
		Physics, Institute of Geology and Geophysics, CAS,	
		² Beijing National Observatory of Space Environment,	
D 22 -	A	Institute of Geology and Geophysics, CAS)	_
P -22₽	Activity of the World Data Center for	1. 1) 0111011 ,111. 1011 ,111. 1011011 ,111. 11000 , 1. 0 0000	P
	Geomagnetism, Kyoto₽	andN. Takeuchi ¹ (¹ World Data Center for	
		Geomagnetism, Kyoto, Graduate School of Science,	
		Kyoto University)₽	
P-23₽		Takaaki Aoki (Institute for Information Management and	P
	university-wide research data preservation∉	Communication, Kyoto University₽	
P-24₽	Management of marine-earth science data	S. Tsuboi (Center for Earth Information Science and	P
	and samples in JAMSTEC +	Technology, JAMSTEC)↓ J	
P-25₽	ICSWSE/MAGDAS data activity₽	A. Fujimoto*, S. Abe, T. <u>Uozumi</u> , and A. Yoshikawa	ē
	-	(International Center for Space Weather Science and	
		Education, Kyushu University)₽	
P-26₽	FITSWebQL: a preview system for radio		ρ
	-astronomy FITS Cube files ↔	Kawasaki ² G. Kosugi ² and S. Eguchi ³ (*1 Astronomy	
	_	Data Center, National Astronomical Observatory of	
		Japan, ² National Astronomical Observatory of Japan,	
		³ Fukuoka University)∤ ³	
P-27₽	Dagik Earth: an education and public	A. Saito ¹ *, Y. Odagi ¹ , and T. Tsugawa ² , (¹ Department of	ø
	outreach activity using open data set of	Geophysics, Kyoto University, ² National Institute of	
	Earth and planetary sciences₽	Information and Communications Technology)₽	
P-28₽			ø
	data and information management	(*1Japan Oceanographic Data Center,	
	(2017-2021) and IQDE₽	² Atmosphere and Ocean Research Institute, the	
		University of Tokyo, SUNESCO/IOC Project Office	
		for IODE)	1
E-1+2	Exhibition of Intenniversity Upper-Atmosph	ere Global Observation NETwork (IUGONET)	þ
41		(assessed)	1



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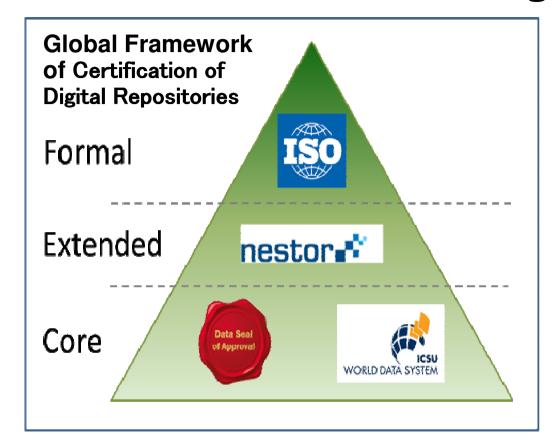
liguoqing, 2016/09/14

Trust

Trustworthiness is at the very heart of storing and sharing data.



Certification of Digital Repositories



WDS and Data Seal of Approval will collaborate to form the core certification system of research data.

Regular and Network WDS Members

- Evaluation criteria: based on a compilation of international standards and best practices
- Certification authority: WDS Scientific Committee
- Renewal between 3 and 5 years





An Introduction to the Core Trustworthy Data Repositories Requirements

The Core Trustworthy Data Repository Requirements were developed by the DSA–WDS Partnership Working Group on Repository Audit and Certification, a Working Group (WG) of the Research Data Alliance¹. The goal of the effort was to create a set of harmonized common requirements for certification of repositories at the core level, drawing from criteria already put in place by the Data Seal of Approval (DSA) and the ICSU World Data System (ICSU-WDS). An additional goal of the project was to develop common procedures to be implemented by both DSA and ICSU-WDS. Ultimately, the DSA and ICSU-WDS plan to collaborate on a global framework for repository certification that moves from the core to the extended (nestor-Seal DIN 31644), to the formal (ISO 16363) level.

News Archive

Share @

CoreTrustSeal Certification Launched



11 Sep 2017

Tokyo, Japan and The Hague, Netherlands.

The ICSU World Data System (ICSU-WDS) and the Data Seal of Approval (DSA) are pleased to announce the launch of a new certification organization: CoreTrustSeal.

The CoreTrustSeal Board offers all interested data repositories a core-level certification based on the DSA-WDS Core Trustworthy Data Repositories Requirements catalogue and procedures. CoreTrustSeal Data Repository certification replaces the DSA certification and the WDS

certification of Regular Members.

The CoreTrustSeal is a community-based nonprofit organization promoting sustainable and trustworthy data infrastructures. It is governed by a Standards and Certification Board consisting of members drawn from the Assembly of Reviewers (by election) and the wider





Core Trustworthy Data Repositories Requirements

Background & General Guidance

The Core Trustworthy Data Repositories Requirements are intended to reflect the characteristics of trustworthy repositories. As such, all Requirements are mandatory and are equally weighted, standalone items. Although some overlap is unavoidable, duplication of evidence sought among Requirements has been keep to a minimum where possible. The choices contained in checklists (e.g., repository type and curation level) are not considered to be comprehensive, and additional space is provided in all cases for the applicant to add 'other' (missing) options. This and any comments given may then be used to refine such lists in the future.

Each Requirement in the Catalogue is accompanied by guidance text to assist applicants in providing sufficient evidence that their repositories meet the Requirement, outlining the types of information that a reviewer will expect in order to perform an objective assessment. Furthermore, the applicant must indicate a compliance level for each of the Requirements:

- 0 Not applicable
- 1 The repository has not considered this yet
- 2 The repository has a theoretical concept
- 3 The repository is in the implementation phase
- 4 The guideline has been fully implemented in the repository

Compliance levels provide a useful part of the self-assessment process, but all applicants will be judged against statements supported by appropriate evidence; not against self-assessed compliance levels. In this regard, if the applicant believes a Requirement is not applicable, the reason for this must be documented in detail. Note also that compliance levels 1 and 2 can be valid for internal self-assessments, while certification may be granted if some guidelines are considered to be at level 3—in the implementation phase—since the Requirements include an assumption of a repository's continuous improvement.

Reponses must be in English. Although attempts will be made to match reviewers to applicants in terms of language and discipline, this is not always possible. If evidence is in another language, an English summary must be provided in the self-assessment.

Because core certification does not involve a site visit, the Requirements should be supported by links to

X. Preservation plan

R10. The repository assumes responsibility for long-term preservation and manages this function in a planned and documented way.

Compliance Level:

Response

Guidance:

The repository, data depositors, and Designated Community need to understand the level of responsibility undertaken for each deposited item in the repository. The repository must have the legal rights to undertake these responsibilities. Procedures must be documented and their completion assured.

For this Requirement, responses should include evidence related to the following questions:

- Is a preservation plan in place?
- Is the 'preservation level' for each item understood? How is this defined?
- Does the contract between depositor and repository provide for all actions necessary to meet the responsibilities?
- Is the transfer of custody and responsibility handover clear to the depositor and repository?
- Does the repository have the rights to copy, transform, and store the items, as well as provide access to them?
- Are actions relevant to preservation specified in documentation, including custody transfer, submission information standards, and archival information standards?
- Are there measures to ensure these actions are taken?

http://wdc2.kugi.kyoto-u.ac.jp/wds2017/



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Presentation & Publication

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World Data System Asia-Oceania Conference 2017

dates

Dates(CHANGED!): 27 (WED) - 29 (FRI) September 2017

Place: Kyoto University, Kyoto, Japan

Scope:

The World Data System (WDS) is an interdisciplinary body of the International Council of Science (ICSU) with a mission to promote international collaborations on data stewardship, long-term preservation and provision of quality-assessed research data and data services. WDS is a membership organization federating scientific data centres, data services and networks thereof across a range of disciplines in the natural and social sciences as well as humanities. WDS has 105 members (68 Regular, 11 Network Members and 25 Partners and Associate Members) as of March 2017, but the Asia-Oceania region comprises only 15 members.

The WDS Asia-Oceania Conference will bring together data practitioners, data repositories managers and researchers to reinforce the data stewardship community in the region and help establish a collaborative system for access to and dissemination of research data. In addition, the establishment of such a

国別参加予定者数

Japan	43
China	36
India	5
Philippines	3
USA	2
Thailand	2
Australia	1
Indonesia	1
S. Korea	1
Maleysia	1
Swizerland	1
China-Taipei	1
S.Africa	1
計	98