



WDS関連活動と今後の計画

渡邊 堯

WDS-IPO

情報通信研究機構

Search...



Home



Sitemap



Login



Contact



Translate

Trusted Data Services for Global Science



ICSU

WORLD DATA SYSTEM

Home ▾

About ▾

Community ▾

Data and Services ▾

Publications ▾

News ▾

Events ▾

SciDataCon 2016

Advancing the Frontiers of Data in Research

Programme Available!

11–13 September 2016, Denver, Colorado, USA

© Charles Knowles / Flickr

Latest News

WDS Blog

Upcoming Events & Deadlines

15 Dec 2016

AGU 2016 Fall Meeting

WDS Member's Forum 2016

Plenary Session

15:30–16:20 **Community Engagement**

- Introduction
- Application Reviews (5 min)
- Activity Reporting (5 min)
- Expanding Membership (5 min)
- WDS Bylaws (5 min)
- Discussion (25 min)

M. Mokrane
S. Harrison
E. Faustman
A. de Sherbinin
R. Edmunds

16:20–17:20 **Topic for General Discussion – Sustainability of Data Services**

(Chairs: G. Li, S. Sorvari, A. Tolmasquim)

- Funding Sustainability and Domain Repositories (10 min)
- A Threatened Future? The Experience of WDS-SILSO (5 min)
- OECD Study on Business Models (5 min)
- Discussion (40 min)

J. Lyle
F. Clette
I. Dillo

17:20–17:30 **Any Other Business & Closing Remarks**

S. Harrison

17:30 **Adjourn**



WDS Member's Forum 2016



A Threatened Future? The Experience of WDC-SILSO

Frédéric Clette

World Data Center for Sunspot Index and Long-term Solar Observations

frederic.clette@oma.be

WDC-SILSO, responsible for the unique 400-year sunspot record of solar activity, was hosted by the Royal Observatory of Belgium since 1981. Over the past 15 years, our data center was operated with minimal means, just allowing to run the base data production process using heritage Fortran programs from the



Sunspot Index and Long-term Solar Observations

Menu

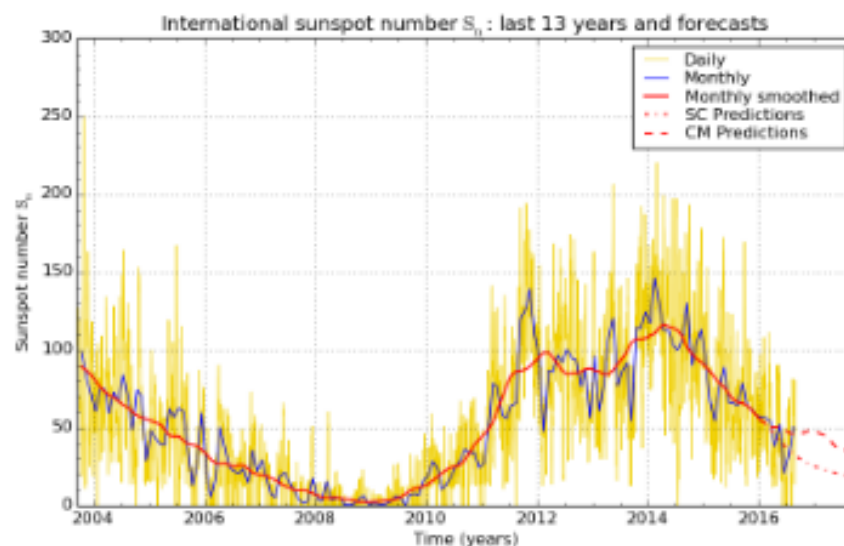
- Home
- ▶ Data
- ▶ FAQ
- ▶ Observers
- News-Archive
- Contact
- Subscribe
- Legal notices

[Home](#) [Data](#) [FAQ](#) [Observers](#) [News-Archive](#) [Contact](#) [Subscribe](#)

World Data Center for the production, preservation and dissemination of the international sunspot number

Major change of data set on July 1st, 2015: key information

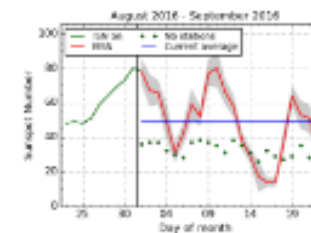
Sunspot number series: latest update



SILSO graphics (<http://sidc.be/silso>) Royal Observatory of Belgium 2016 September 1

Latest Sunspot Bulletin

Daily estimated sunspot number



EISN DATA FILES

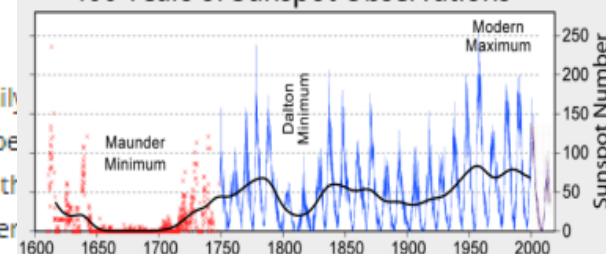
19 September : 64
20 September : 53
21 September : 51
22 September : 35

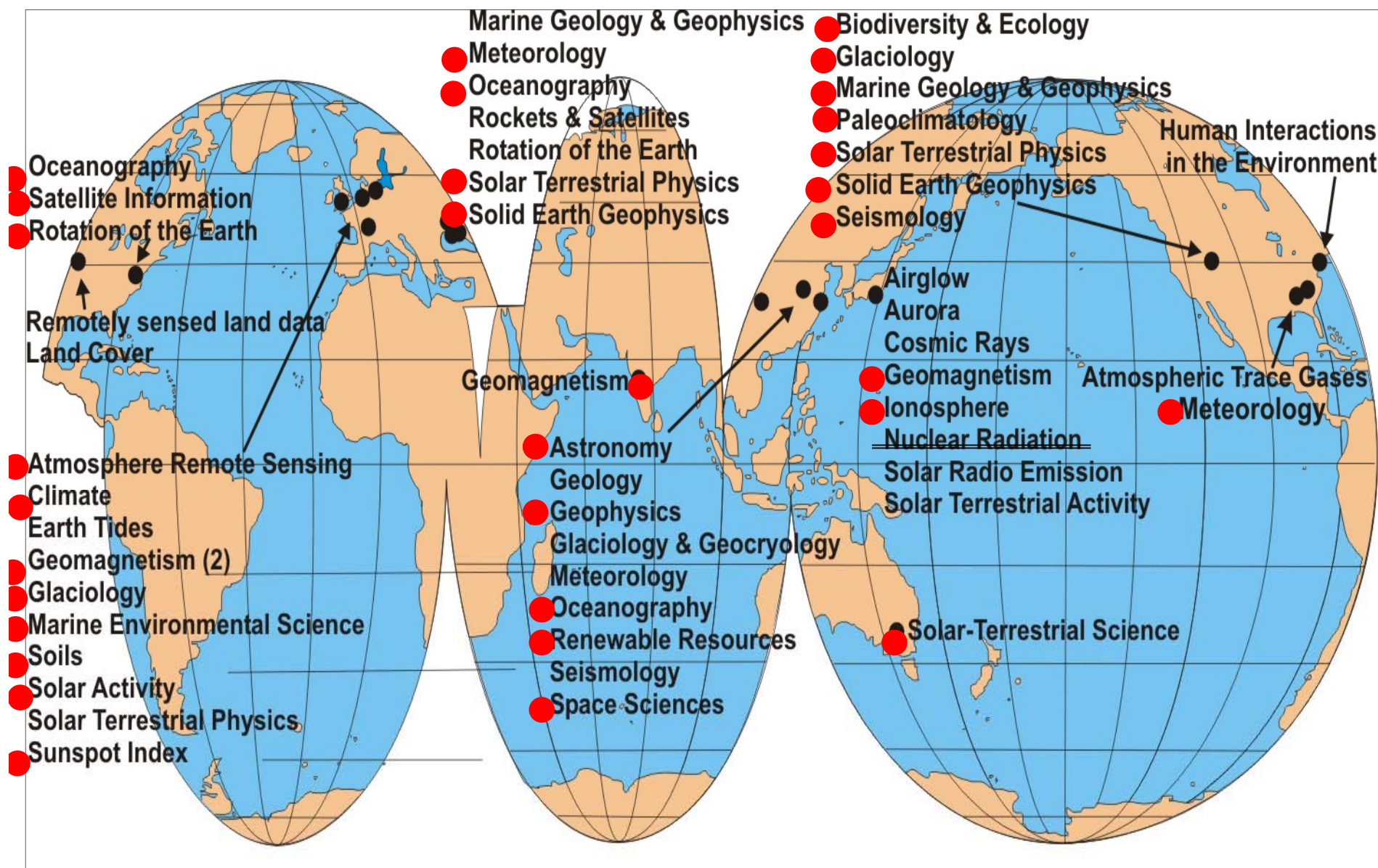
Transition to the new Sunspot Number successfully completed

Today marked a triple transition for us:

- Uploading the new Sunspot Number archive files containing the daily and yearly re-calibrated sunspot numbers and the new Group Number
- In our Web site, switching to the new "Data" pages giving access to the updated graphics and also to the past version of the Sunspot Number

400 Years of Sunspot Observations





● WDS members from former WDCs (Jan. 2015)

旧WDC等、基本的観測データを扱う「弱小？」 データセンターの継続性に関する今後の課題

- 研究コミュニティからのサポート
- 引用情報の確保(DOIなど)
- 後継者の養成・評価体系の整備
- ユーザの開拓
- 運営基盤の確保(ビジネスモデル)
 - ✓データの有償化？
 - ✓学協会等による援助？

<http://takashiwatanabe.wixsite.com/wds-japan>

検索キー: wds-japan、WDS小委員会

日本学術会議情報学委員会・国際サイエンスデータ分科会

WDS小委員会

Updated on 13/04/2016

English

はじめに

このWebページは、日本学術会議情報学委員会・国際サイエンスデータ分科会に所属するWDS小委員会における活動を紹介するため、試験的に公開を行うものです。

WDS小委員会は、国際科学会議 (International Council for Science, ICSU) のデータ関連組織である、世界データシステム (World Data System, WDS) の国内委員会 (略称: WDS-Japan) として位置づけられており、「品質管理された科学データの長期保全と、国際的共有」を目指しています。このページでは委員会記録や国際・国内研究集会の開催などの、WDS小委員会の活動記録に加えて、WDS国内メンバー、WDS小委員会メンバ

過去の国際研究集会

2011年9月3-6日(京都) 1st WDS Conference - Global Data for Global Science



2013年10月15-16日(東京) Polar Data Activities in Global Data Systems



2015年9月29-30日(東京) Global Data Activities for the Study of Solar-Terrestrial Variability



WDS小委員会データリンク

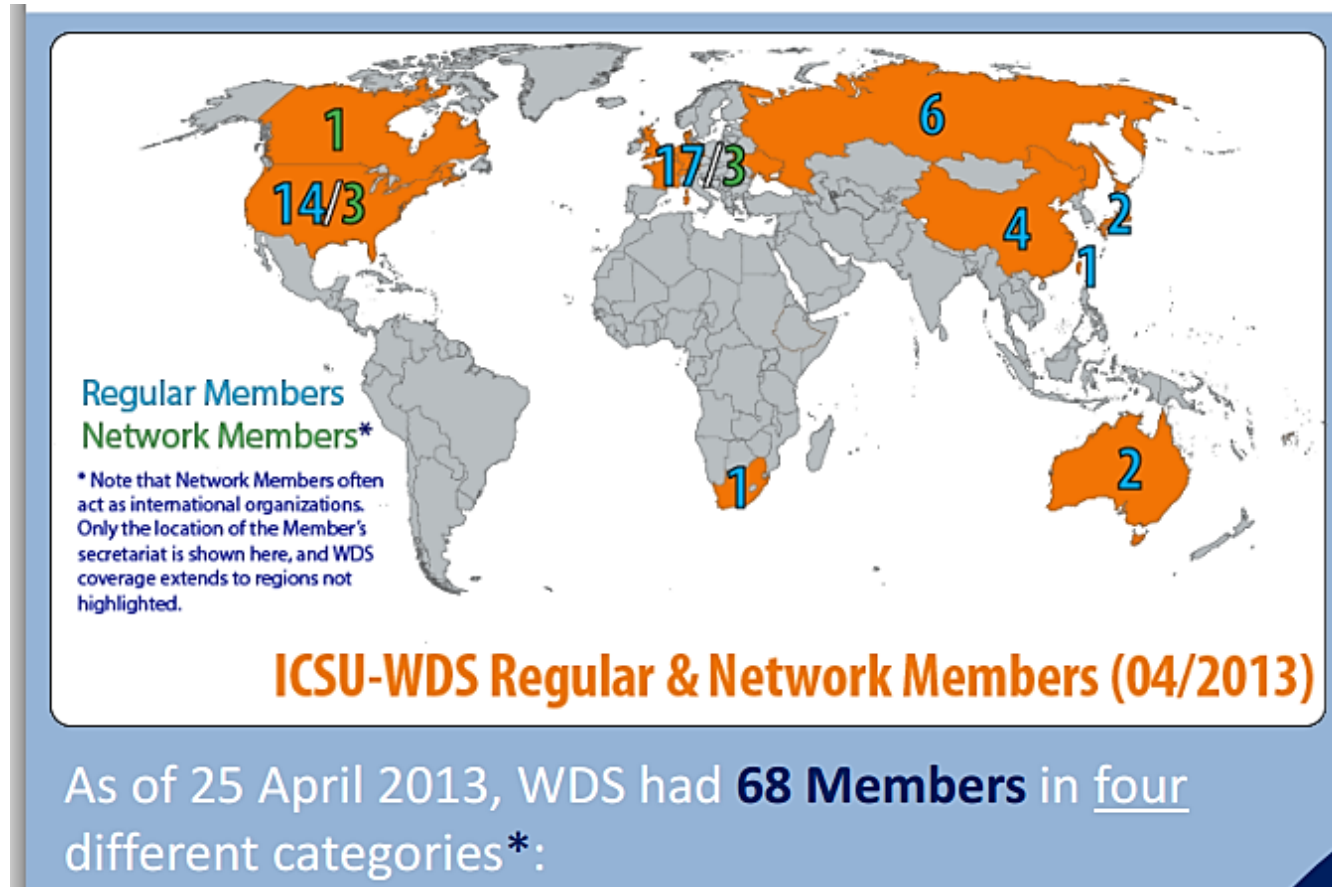
下記のWDS小委員会のメンバーや、WDSの主旨に賛同しているデータセンター等のリンク表により、当該機関が公開しているデータポータルへのアクセスが可能です。データの御利用にあたっては、各提供者が設定しているデータ利用既定を御確認下さい。また、このリストに掲載を御希望の場合は、管理者まで御知らせ下さい

データポータル	接続	所属機関、運営組織	主要公開データ、データサービス	備考、補足情報
WDC for Geomagnetism, Kyoto	→	京都大学大学院理学研究科・地磁気世界資料解析センター	全世界地磁気観測データ、地磁気活動指数等	WDS Regular Member
WDC for Ionosphere and Space Weather	→	情報通信研究機構 (NICT)	電離層電波観測データ、宇宙天気関連データ等	WDS Regular Member
WDC for Cosmic Rays	→	名古屋大学宇宙地球環境研究所 (ISEE)	全世界宇宙線中性子観測データ	
WDC for Airglow	→	国立天文台太陽観測所・太陽活動世界資料室	大気光強度	Quarterly Bulletin on Solar Activity (QBSA)
WDC for Aurora	→	国立極地研究所 (NIPR)	オーロラ画像等、極域超高層観測データ	国立極地研究所データベースポータル
WDC for Solar Radio Emission	→	国立天文台野辺山宇宙電波観測所	太陽電波強度	
WDC for Scientific Satellites	→	宇宙科学研究所 (ISAS/JAXA)	科学衛星観測データ等 (DARTS)	
地磁気観測所データベース		気象庁地磁気観測所	地磁気、地磁気活動、地電流、空中電気	
天文データセンター	→	国立天文台 (NAOJ)	天文観測データベース	国立天文台データサービス・解析ポータル
海洋研究開発機構データベース	→	海洋研究開発機構 (JAMSTEC)	海洋観測データ・サンプル	
国際宇宙天気科学・教育センター		九州大学	地磁気多点観測データ等	
IUGONET (超高層大気長期変動の地球地上ネット)	→	東北大学、国立極地研究所、名古屋大学、京都大学、九州大学	超高層観測メタデータシステム、データ解析システム	
北極域データアーカイブ		国立極地研究所 (NIPR)	北極域観測データ (大気、海洋、雪氷、陸域、生態など)	
統合データシステム開発研究室	→	情報通信研究機構 (NICT)	中・超高層観測データ (SALMON)、WDS関連活動記録、Science Cloud	
生存圏データベース	→	京都大学生存圏研究所	宇宙圏電磁環境データ、レーダー大気観測データ、赤道大気観測データ、グローバル大気観測データ、木材多様性データベース、有用植物遺伝子データベース、担子菌類遺伝子資源データ、南極点基地オーロラ観測データ (委託公開)、静止衛星雲頂高度プロダクト (委託公開)、アカシア大規模造林地	WDS Regular Member

WDS Committee, Science Council of Japan

T. Watanabe, WDC Activity in Japan, 2008, *Data Sci. J.*, Vol. 24, Sep., 2009.

Name of WDC	Link	Host Organization	Principal Data Holdings and Data Services
WDC for Geomagnetism, Kyoto		WDC for Geomagnetism, Kyoto, Data Analysis Center for Geomagnetism and Space Magnetism, Graduate School of Science, Kyoto University	World-wide geomagnetic observations, geomagnetic indices, and real-time geostationary satellite data of geomagnetic field. 
WDC for Ionosphere and Space Weather		National Institute of Information and Communications Technology (NICT)	Data of ionospheric radio observations and Space weather observations. 
WDC for Cosmic Rays		Institute of Space-Earth Environmental Research, Nagoya University	World-wide cosmic-ray neutron observations since 1953 to present.
WDC for Airglow		Solar Observatory, National Astronomical Observatory, Japan	Spectral airglow intensity.
WDC for Aurora		National Institute of Polar Research, Japan (NIPR)	Ground-base and satellite images of auroras and Upper atmospheric observations in polar regions.
WDC for Solar Radio Emission		Nobeyama Radio Observatory, National Astronomical Observatory, Japan	Intensities of solar radio emission at 1, 2, 3.75, 9.4, 17, 35, and 80 GHz
WDC for Scientific Satellites		Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency (ISAS/JAXA)	A multi-disciplinary space science data archive for, e.g., astrophysics, solar physics, solar-terrestrial physics, lunar and planetary science, and microgravity science (DARTS).



As of **23 Sep 2016**, the World Data System has **99 Member Organizations** in four different categories.

65 Regular Members

10 Network Members

6 Partner Members

18 Associate Members

INDONESIAN INSTITUTE OF SCIENCES

HOME | LPI | principal | earth | life | engineering | social & humanity | scientific | resources | resources | resources | resources | resources | resources

CHRONICLES | choose | in all | SEARCH | RESET | save | clear

Other Functions: IISN Registration Journal Accreditation Scientific Compendium Scientific Literature Time Standard PIRIS Registration Foreign Researcher License Public Information E-government CPN Recruitment Institutional Repository LPI Press

VIDEO & BROADCASTING

live vdeo seminar on
Assessment of Electromagnetic Device, LPI is Ready to Help Industry
 (Tanjung Selatan, 19 April 2013) Public Relations LPI, Deputy for Scientific Services & LPI, Dr. Falmah Palmadinda hoped the result of the seminar, Electromagnetic Compatibility (EMC), Vitebreedy (VITA) is applicable through collaboration with various parties to develop application and development of EMC technological assessment. Falmah emphasized LPI through Research Center for Quality.

BIOSOURCES AS NEW ERA AT INDUSTRIAL WORLD
 (Duger, 22 May 2013) Public Relations LPI, New era at industrial world tends to

LIPI DISCUSSED WATER AT BIODIVERSITY DAY
 (Duger, 23 May 2013) Public Relations LPI, Researchers and LPI water

ECTING THE DEEP SEA
 (Duger, 23 May 2013) Public Relations LPI, Researchers and LPI water

BIODIVERSITY DAY
 (Duger, 23 May 2013) Public Relations LPI, Researchers and LPI water

BIODIVERSITY DAY
 (Duger, 23 May 2013) Public Relations LPI, Researchers and LPI water

ThaiSDI
 Thailand Spatial Data Infrastructure

HOME | ABOUT US | NATIONAL GEOSPATIAL CATALOGUE | DOWNLOAD | WEB LINK | FAQS | CONTACT US

National Geospatial Catalogue
 Digital Thailand II
 Thailand Monitoring System

WELCOME TO THAISDI

June 2013
 S M T W T F S

Faculty of Environment and Resource Studies
MAHIDOL UNIVERSITY
 Wisdom of the Land

Good Environment Good Future

Academic Programs | Research | Environment Clinic | Training & Conferences
 International Collaboration | Faculty Members | Honors & Awards | Alumni

Research Profile | Research Center | Publication | Home | Site Map | Thai

Research Center

In 2005, the Faculty of Environment and Resource Studies initiated the establishment of research centers of integrated sciences. The goal of these centers is to encourage collaboration between academic staff, students and researchers in order to attain beneficial outcomes. The following information centers were established to serve as research and training centers:

- Wetlands Management Research and Training Center
- Environmental Remediation Technology Research Center

Geo-Information and Space Technology Development Agency (Public Organization)

ABOUT US | PRODUCTS & SERVICES | THE NEWS | WEB LINKS | NEWS FEEDS

ANNOUNCEMENT
 Google Science Fair 2013

The Google Science Fair is an online contest competition open to students ages 12-18 from around the globe. We're looking for ideas that will change the world. To get started, all you need is a Google account.

adpc Asian Disaster Preparedness Center
 safer communities and sustainable development through disaster risk reduction

ABOUT US | OUR PARTNERS | PROGRAMS & PROJECTS | TRAININGS | INFORMATION CENTER | CAREER OPPORTUNITIES

Overview

INFORMATION CENTER
 Overview
 The Center acts as an information-clearing house for specialized information pertaining to disaster management policies and practices in Asia. ADPC maintains a specialized library on disaster management. The library database has over 7,000 entries, supplemented by a unique collection of gray and unpublished literature from ADPC's own programs and projects and from several years of regional and international networking. It also has over 500 video besides other audio-visual materials. The Center also receives a number of special newsletters and periodicals from research centers all around the world.

WHAT'S NEW?

The Center publishes a quarterly newsletter, Asian Disaster Management News. This newsletter, designed to serve as a communication channel for the disaster risk management practitioners and development workers in the Asian and Pacific regions, is disseminated in print to more than 2,000 people worldwide. It can also be accessed through the Center's website. The Center sends out

APN Asia-Pacific Network for Global Change Research

Home | About APN | Programmes and Activities | News and Events | Projects | Publications | Opportunities

Announcement: Approved New and Continuing Projects for Financial Year 2013/14

On behalf of the APN Inter-Governmental Meeting (IGM), the decision-making body for all of the APN activities, the APN Secretariat is pleased to announce that funding for the following proposals...

APN News
 APN Annual Report 2011-2012 Published
 07/06/2013
 7 June 2013, Kobe, Japan — The latest APN Annual Report (2011-2012) is released today and is available for download from the APN e-Lib. The report highlights APN's key activities between...

Quick Links
APN e-Lib

New Publications

- Enhancing the LGU Capacity for Implementing Conservation Farming Village and a Strategy for Climate Change Adaptation and Urban Environment
- Collaborative Research on Sustainable Urban Water Quality Management in Southeast Asian Countries: Analysis of Current Status (Comparative Study) and Strategic Planning for Sustainable Development

APN Annual Report (2011-2012)

GISTDA Geo-Information Development Division
 http://www.gistda.or.th

English | Thai | Thai-English

Marine Data Access

Geo-Information and Space Technology Development Agency (Public Organization)

Main menu
 GISTDA Page
 Home
 Introduction
 GISTDA Services
 Knowledge
 About us
 Marine Data
 Marine Data
 Marine Data

GISTDA
 Geo-Information Development Division/Geo-Information development center
 Website: www.gistda.or.th
 Monday, 20 May 2013 12:30

Daily Forecast
 Temperature 11.2 to 36
 Humidity 60 to 90
 Wind 10 to 20
 Rain 0 to 10
 Cloud 0 to 10
 Visibility 10 to 20
 UV Index 1 to 2
 Air Quality 1 to 2

Malaysian Centre for Geospatial Data Infrastructure (MaCGDI)

Home | About NRE | Division Information | Malaysian Centre for Geospatial Data Infrastructure (MaCGDI)

Official Portal Ministry of Natural Resources and Environment (NRE)

Home | English | Other Languages | Register | Login

Home
 Home | English | Other Languages | Register | Login

Home
 Home | English | Other Languages | Register | Login

Home
 Home | English | Other Languages | Register | Login

PAGASA Philippine Atmospheric, Geophysical & Astronomical Services Administration

Home | About PAGASA | Services | Products | Publications | Training | Contact Us

Home
 Home | About PAGASA | Services | Products | Publications | Training | Contact Us

Home
 Home | About PAGASA | Services | Products | Publications | Training | Contact Us

Home
 Home | About PAGASA | Services | Products | Publications | Training | Contact Us

Forest Products Research and Development Institute

Home | About FRI | Services | Products | Publications | Training | Contact Us

Home
 Home | About FRI | Services | Products | Publications | Training | Contact Us

Home
 Home | About FRI | Services | Products | Publications | Training | Contact Us

Home
 Home | About FRI | Services | Products | Publications | Training | Contact Us

Department of Science and Technology
 Science and Technology Information Institute

Home | About DOST | Services | Products | Publications | Training | Contact Us

Home
 Home | About DOST | Services | Products | Publications | Training | Contact Us

Home
 Home | About DOST | Services | Products | Publications | Training | Contact Us

Home
 Home | About DOST | Services | Products | Publications | Training | Contact Us

SGS SUSTAINABILITY

Home | About SGS | Services | Products | Publications | Training | Contact Us

Home
 Home | About SGS | Services | Products | Publications | Training | Contact Us

Home
 Home | About SGS | Services | Products | Publications | Training | Contact Us

Home
 Home | About SGS | Services | Products | Publications | Training | Contact Us

START Southeast Asia START Regional Center

Home | About START | Services | Products | Publications | Training | Contact Us

Home
 Home | About START | Services | Products | Publications | Training | Contact Us

Home
 Home | About START | Services | Products | Publications | Training | Contact Us

Home
 Home | About START | Services | Products | Publications | Training | Contact Us

MIDAS Marine Information and Data Archive System

Home | About MIDAS | Services | Products | Publications | Training | Contact Us

Home
 Home | About MIDAS | Services | Products | Publications | Training | Contact Us

Home
 Home | About MIDAS | Services | Products | Publications | Training | Contact Us

Home
 Home | About MIDAS | Services | Products | Publications | Training | Contact Us

WDS Asia-Pacific Conference, 2017

Date: **September 26-28, 2017**

Place: **Kyoto University, Kyoto, Japan**

Initial Organizers: T. Iyemori, Guoqing-Li, and T. Watanabe

Objectives :

- **Enforce China-Japan collaboration on WDS-oriented activity**
- **Build and expand WDS community in the Asia-Oceania area**
- **Encourage former regional WDCs to participate to WDS**
- **Exchange experience to resolve problems that make difficult a data center in membership application to WDS**
- **Identify *Future-Earth* oriented WDS activities in the Asia-Oceanic area**

- 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

Collaborative organizations (tentative)

- Science Council of Japan
- Chinese Academy of Science
- ICSU–WDS Scientific Committee
- ICSU Regional Office for Asia and the Pacific
- ICSU–WDS International Programme Office
- IRDR International Programme Office
- Japan Hub of the Future Earth (東京大学サステイナビリティ学連携研究機構)
- Regional Centre for Future Earth (総合地球環境学研究所)
- Chinese National Committee for Future Earth