### Welcome to

## Joint AOGS 1st Annual Meeting



### APHW 2<sup>nd</sup> Conference

July 5-9, 2004

Suntec International Convention and Exhibition Center

SINGAPORE

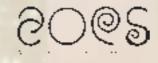
3<sup>rd</sup> Announcement

More Information and updates at

http://www.asiaoceania.org & http://www.second APHW.org

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#### ABOUT THE JOINT MEETING

Akin to a new life, the Asia Oceania Geosciences Society (AOGS) is also growing and shaping to form a special identity of our own. Rising awareness and sprouting interests have spurred the AOGS to a heightened sense of excitement. Come and share in the AOGS Connects experience!

This Third Announcement is an update on the conference. The deadline for submission of abstracts is Feb 15, 2004. We strongly encourage interested participants to visit the AOGS web site at www.asiaoceania.org to view the expanding list of scientific sessions, as well as submitted presentations. More information on travel and accommodation can also be viewed.

A projected number of over a 1000 papers are scheduled for presentations and to be attended by presenters, scientists and industry representatives.

#### THE EVENT

This being the first year of inception of the AOGS Annual Meeting, the AOGS is also excited to present a unique program that will interest those already, or who wants to be, in the thick of the ever-growing Asian scene.

#### **PROGRAM**

#### **Scientific Program and Themes**

Scientific sessions include Solid Earth (SE), Oceans and Atmospheres (OA), Hydrological Science (HS), Space Physics and Planetary Science (SP), Natural Hazards (NH), Non-linear Geophysics (NL), Polar Research (PR), Biogeoscience (BG) and Inter-disciplinary Workgroups (IWG).

We are pleased to see the conference growing and the following sessions include, but not limited to:

#### **Solid Earth**

- Evolution of Western Pacific Marginal Basins: New Observations and Syntheses
- Historical Earthquake Studies and Paleoseismology in Asia
- Flood Basalts, Mantle Plumes, Continental Rifting and Mass Extinctions

#### **Hydrological Science**

• APHW 2nd Conference

#### **Oceans and Atmospheres**

- Biogeochemical Cycling in Estuarine and Coastal Waters
- Atmospheric Chemistry Over Asia

#### **Space Physics and Planetary Science**

- Multiscale Phenomena in the Earth's Magnetosphere
- Monitoring of Geophysical Electromagnetic and Space Environmental Changes by Coordinated Magnetic Stations
- Space Plasma Modeling and Simulation

#### **Natural Hazards**

- River-Sea Interaction: Dynamics and Environmental Impacts
- Earthquake, Tsunami and Volcano Monitoring in the Western Pacific

#### **Non-Linear Geophysics**

 Non-linear Waves and Turbulence in Geophysics and Space Physics

#### Biogeoscience

· Marine Archaeology

#### **Inter-Disciplinary Workgroups**

- GPS Radio Occultation
- Earthquake Prediction, Earthquake and Volcanic Eruption, Electromagnetic Phenomena, Lithosphere-Atmosphere-Ionsphere Coupling
- Space Geodesy and Its Applications in Earth Sciences

#### **DAILY PROGRAM**

Monday	Tuesday	Wednesday	Thursday	Friday
Jul 5, 2004	Jul 6, 2004	Jul 7, 2004	Jul 8, 2004	Jul 9, 2004
Registration     Welcome &     Opening	Meeting Day 1     Exhibit Day 1     AOG\$ Business     Meeting	Meeting     Day 2     Exhibit     Day 2     AOGS     Business     Meeting	Meeting Day 3     Exhibit Day 3     AOGS Business     Meeting     APHW Dinner     Banquet	Meeting Day 4     Exhibit Day 4     AOGS Business Meeting



#### **Abstract Submission Information**

- Deadline: 15 January 2004 (Hydrological Science)
   15 February 2004 (All other Sessions)
- APHW Sessions require full manuscript submission upon abstract acceptance
- online submission via www.asiaoceania.org or www.secondAPHW.org

There will be a team of reviewers to select the papers for oral or poster presentations in the English language.

Acceptance is on condition that papers will be presented during the conference. Only presented papers will be included in the conference program/abstract and proceedings (2nd APHW only), to be published by World Scientific.

Please submit via Internet at: http://www.asiaoceania.org

#### Register @ www.asiaoceania.org

Meeting	By 10 May 2004	After 10 May 2004
AOGS & APHW	USD270 / SGD450	USD320 / SGD550
APHW Only	USD200 / SGD350	USD250 / USD450

#### GENERAL INFORMATION

#### **Accommodation & Travel**

Singapore Airlines is the official carrier. Check out the APHW/AOGS web site for more details on booking of travel, accommodation and social programs at special package rates.

#### Visa

Information & application at <a href="http://www.gov.sg/mha/sir/visitor\_sc/">http://www.gov.sg/mha/sir/visitor\_sc/</a>
E-mail: meetmatt@meetmatt.net to request official invitation/sponsorship letter

# SPONSORSHIP, EXHIBITION AND ADVERTISEMENT

For more information, email Ms Peck Hui Ping at meetmatt@meetmatt.net

#### 1. SPONSORSHIP PACKAGES

For company seeking publicity for themselves, sponsorship opportunities are also available and may be discussed with the conference organizers. Please contact the conference secretariat for enquiries and information. It may also be a good idea to purchase complimentary meeting places for your clients as a goodwill gesture to view your exhibit at the same time.

#### **CONFERENCE VENUE**

The Suntec International Convention and Exhibition Center is a convention city amidst and surrounded by entertainment, sights, sounds and smells that will guarantee to pique your senses!

Suntec City is a 5-min walk from Singapore's train system (MRT), and located just 10 minutes away from Orchard Road. Take a short stroll to the waterfront and historical monuments to savor the city landscape. The convention center is supported by state-of-the-art facilities, which includes wireless connectivity.

#### 2. EXHIBITION

The commercial exhibits will cumulate into a substantial range with participation hailing from the geosciences, including hydrology and water resources.

The commercial exhibition will be emphasized strongly as an integral part of the program, and we will put in every effort to maximize the synergy between the conference plenary sessions and the commercial exhibits.

Delegates will view the many latest and interesting geoscience-related products that exhibitors wish to promote and demonstrate on-site for an experiential showcase.



Impt \* Book by 10 May 2004 & Save Cost!

Booth	By 10 May 2004		After 10 May 2004	
Standard (3M X 3M)	SGD3, 000	USD1, 800	SGD3, 500	USD2, 100
Premium (3M X 3M)	SGD3, 500	USD2, 100	SGD4, 000	USD2, 400

#### STANDARD SHELL SCHEME PACKAGE (3M X 3M)

- Modular aluminum system with 2.44 height white laminated partition walls
- Fascia board of 300mm height with name of exhibitor and stand number in 100mmH PVC tickers cut-out
- 2 no. Fluorescent lights
- 1 no. 10amp/ 230V single phase power outlet

- 1 no. Reception desk
- 2 no. of Chrome folding chair
- 1 no. Waste paper basket
- Venue's existing carpet

#### **Exhibitors Receive:**

- Premium/ Standard: Two complimentary meeting registrations per exhibit booth
- Two Abstract Volumes per exhibitor
- Listing in the AOGS Meeting Program and on AOGS website

#### Official Freight Forwarder

Trans-Link Exhibition Forwarding Pte Ltd 7 Toh Tuck Link, Singapore 596227 Main line: +65 6463 9868

Fax: +65 6467 9467

Peter Bachmann Direct: +65 6463 9744

Email: peter\_bachmann@translink.com.sg

#### 3. ADVERTISEMENT

Advertising in the AOGS Meeting Program is available for exhibitors. Full payment must be made upon confirmation.

#### **Advertising Submission Deadline: 10 May 2004**

**How to submit your ad:** The organizer only accepts advertisements in digital form. Electronic submissions can be emailed or mailed using Zip or CD disk.

Format: PDF 300 dpi or PostScript Images: All images must be in TIFF

Please submit a print enclosed to meetmatt@meetmatt.net

**OR mail to:** Meeting Matters International 5 Toh Tuck Link, Singapore 596224

#### **ADVERTISING RATES**

Ad	Dimensions	Price
Full Page (b/w)	24.5 cm X 16 cm	SGD1225/ USD700

<sup>\*</sup> The Premium Package comes with additional enhancements like shelves and decorators.

<sup>\*\*</sup> Additional registrations may be purchased at the regular meeting registration rates. Each person at your booth must be registered for the meeting.

#### THE ORGANIZERS

**AOGS** – The Asia Oceania Geosciences Society, is a Pacific-based international society, dedicated to promoting Geosciences and public benefits for Asia and Oceania.

Through close research and practical work on areas of Solid Earth (SE), Oceans and Atmosphere (OA), Space Physics and Planetary Science (SP), Natural Hazards (NH) and Interdisciplinary Working Groups (IWG), its members serve to participate and contribute actively to the understanding of the region's unique scientific issues.

AOGS provides the means for communicating new developments and applications information to the engineering, scientific and user communities through its publications, symposia and education programs.

**APHW** – The Asia Pacific Association of Hydrology and Water Resources was established with the aim to promote exchange of operational knowledge and experience in water resources management, and research activities as well as education.

Its activities include promotion of hydrological studies in the region, research on water utilization and management methodologies, and organization of conferences and workshops.

#### **VENUE**

The conference is held in Asia's most integrated meetings, conventions and exhibitions hub. Dubbed "Singapore Intelligence Centre", Suntec City offers a self-contained and totally integrated "city-withina-city" where business meets entertainment.

Suntec City is in the heart of a shopping and food haven, a 5-minute walk from the MRT train station, the harbor front and the spectacular Esplanade Arts Center.

#### **AOGS Secretariat**

#### **Meeting Matters International**

(a World Scientific subsidiary)

Website: www.meetmatt.net

Address: 5 Toh Tuck Link, Singapore 596224

**Telephone:** +65 6466 5775

Fax: +65 6467 7667

Email: meetmatt@meetmatt.net

Situated at one of the most important crossroads of the world. Singapore is a fusion of East and West, modernity and old world charm. When you meet in New Asia - Singapore, you are at the centre for business. And pleasure. Singapore represents a blend of cultures, customs and cuisines that is as diverse as it is captivating.

With cuisines from all over the world found right here. Singapore is truly a gourmet's paradise. And when it comes to fun. Singapore. is your tropical playground, with beaches, theme parks, sightseeing, golf and other attractions galore. And to what your appetite further, there is a wide array of cultural and modern dance, music and theatre performances in this Global City of the Arts. And shop-till-you-drop takes on new meaning in Singapore. You'll be able to experience Singapore to the fullest, especially since Singapore is known to be one of the safest cities in the world. Public transport is reliable and inexpensive and our world-class transport system makes for seamless travel along clean and green streets.

The climate in Singapore is warm and welcoming all year round with temperatures ranging between 31°C in the day and 23°C in the night. English is a widely spoken language and the common business language of all.

You'll find a wide variety of beautifully appointed yet reasonably priced hotels, all offering impeccable standards of Asian service and hospitality. And as Asia's convention and exhibition capital. Singapore has facilities that rank among the finest in the world.

Whether you're here for business or pleasure, Singapore has everything to make your stay a most memorable experience.



#### Sessions and Conveners

#### Solid Earth (SE)

SE1 Evolution of Western Pacific Marginal Basins: New Observations and

Symmeods Korean Ocean Research and Development Inst.; Ocean Research Inst, Univ. o. Toyko; Tongji Univ.; Inst. of Applied Geophysics, National Taiwan Ocean Univ.

SE2 Seismicity and Earthquake Prediction

The Center of Earthquake Analysis and Prediction, China Seismologica, Bureau; Inst. of Geophysics, CSB

SE3 Historical Earthquake Studies and Paleoseismology in Asia eological Survey of Japan; China Seismological Bureau

SE4 Earthquake Modeling and Physics

Inst. of Geophysics, National Central Univ., Taiwan, ROC; Disaster Prevention

SE5 Flood Basalts, Mantle Plumes, Continental Rifting and Mass Extinctions

SE6 Weathering, Tectonics and Climate Coupling in the Himalaya

SE7 Geodynamics of the Indian Ocean - Past and Present de Physique du Globe; National Inst. of Ocean Technology

SE8 Structure, Dynamics and Evolution of the Lithosphere US Geological Survey, MS 977; China Seismological Bureau; Inst of Earth Sciences; National Geophysical Research Inst.

SE9 Probing the Continental Margins of Gondwanaland: The Deep Crust Southern India and Sri-Lanka-a key to Evolution of the Lower Continent

stitut fuer Geowissenschaften; National Inst. of Ocean Technology

SE10 The Changing Face of Asia and Oceania: High-Resolution Ion Microprobe Geochronology as a tool in understanding Crustal Evolution

Dept of Applied Geology, Curtin Univ. of Technology; Inst. of Geology, Chinese Academy of Geological Sciences

SE11 Geomagnetism: From Near-Earth Observation to Deep- Earth Dynamics

SE12 Integrated Studies of the Tethyian - Himalayan Orogenic Belt. Natural Laboratory from Europe to SE Asia

of Bucharest; State Univ of N.Y; Univ of Calabria, C.da Arcavaca

SE13 Deformation of Continental Regions

nternational Centre for Theoretical Physics & Univ. of Trieste; CSIR Centre for Mathematical Modelling and Computer Simulation - Bangal; China Seismological

SE14 Accretionary Orogens: Their Composition, Structure and Evolution

SE15 Accessory Minerals: Occurrences, Compositions, Geochronology provenance and Petrogenesis

Albert-Ludwigs-Universitaet Freiburg; CSIR Centre for Mathematical Modelling and Computer Simulation - Bangal; China Seismological Bureau

SE16 Sundaland: From Surface to Mantle

sia Research Group, Royal Holloway London Univ: Univ of Brunei Darussalam. SE17 Deep Geological Disposal of Radioactive Weaste: State-of-the-Art and

Faculte Polytechnique de Mons, Geologie Fondamentale et Appliquee; Nagoya Univ; Korea Atomic Energy Research Inst., Div. of Radwaste Disposal Research

SE18 Seismic Hazard, Risk and Ground-Shaking Scenarios Dept of Farth Sciences, Univ of Trieste: CMMACS:

SE10 The Changing Face of Asia and Oceania: High-Resolution Ion Microprobe Geochronology as a tool in understanding Crustal Evolution Dept of Applied Geology: Curtin Univ. of Technology: Inst. of Geology. Chinese

SE11 Geomagnetism: From Near-Earth Observation to Deep-Earth Dynamics

SE12 Integrated Studies of the Tethyian - Himalayan Orogenic Belt. Natural Laboratory from Europe to SE Asia Univ. of Bucharest: State Univ of N.Y: Univ of Calabria, C.da Arcavacata

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International Centre for Theoretical Physics & Univ. of Trieste; CSIR Centre for Mathematical Modelling and Computer Simulation - Bangal; China Seismological

SE14 Accretionary Orogens: Their Composition, Structure and Evolution

SE15 Accessory Minerals: Occurrences, Compositions, Geochronology provenance and Petrogenesis Albert-Ludwigs-Universitaet Freiburg; CSIR Centre for Mathematical Modelling and 

HS3 Sustainable development: Water Resources in 21st Century

Computer Simulation - Bangal; China Seismological Bureau SE16 Sundaland: From Surface to Mantle

SE17 Deep Geological Disposal of Radioactive Weaste: State-of-the-Art and

Faculte Polytechnique de Mons, Geologie Fondamentale et Appliquee; Nagoya Univ; Korea Atomic Energy Research Inst., Div. of Radwaste Disposal Research

SE18 Seismic Hazard, Risk and Ground-Shaking Scenarios

SE19 Volcano-Tectonics enze Geologiche Universita Roma Tre; Univ. of Gottingen

SE20 Waste Management and Biosphere Protection e Paris Sud; Univ of the Philippines; Alcoa World Alumina Australia;

SE21 Paleo, Rock and Environmental Magnetism stitut Teknologi Bandung: Geophysical Inst. ASCR: Univ. of Hong Kong

SE22 Integrated Basin Modeling - Understanding the Complete System

SE23 The Origin and Growth History of the Asia continent: Paleomag and Geological Constraints The Univ of Western Australia; Univ of New England; Univ of California, Santa Cruze

SE24 Continental collision,ultrahigh-pressure metamorphism and crustal •

recycling
University of Science and Technology of China, Stanford University, Institute
of Geology and Geophysics

SE25 Adakites abd Subduction : pros and cons Nigs-Up Diliman, Quezon City, Philippines, OMP-Univ.P. Sabatier, Ifree Jamstec, ISTO-CNRS

SE26 Understanding Oceanic Lithospheres: Ideas, Trends and Future

Kanazawa University, National Institute of Geological Sciences.

#### Oceans and Atmospheres (OA)

OA1 Microwave Remote Sensing of Atmospheres in the Solar System Max-Planck-Institut fuer Aeronomie: Communication Research Lab: In

OA2 South China Seas and Indonesian Throughflow Tropical Marine Science Inst., NUS; Nanyang Technological Univ.; Naval Postgraduate School OA3 Asian Dust (Yellow Sand): Observations and Modeling

Seoul National Univ: Kvushu Univ.Japan: Meteorological Resea OA4 Biogeochemical Cycling in Estuarine and Coastal Waters

OA5 Atmospheric Chemistry Over Asia

Physical Research Lab; Inst. for Global Change Research/FRSGC; Physical Research Lab OA6 Remote Sensing of Ocean and Ice NASA Goddard Space Flight Center; Nation

OA7 Seasonal Variation of the Circulation of the Yellow / East China Seas

ional Taiwan Ocean I Iniv: Ocean I Iniv

OA8 Typhoons and Mesoscale Weather ational Univ: North Carolina State Univ: Yonsei Univ

OA9 Human Induced Forcing In Atmospheric Chemistry and Climate Over Asia

Inst. of Tropical Meteorologi

OA10 Dynamical System approaches to problems in Meteorology, Physical Oceanography and Climate Dynamics Colorado State Univ; National Space Development Agency of Japan Hydrospheric Atmospheric Research Center, Nagoya Univ.

OA11 Satellite Observation of Water Cycle in the Atmosphere

eorological Research Inst., Japan Meteorological Agency

OA12 Land-Ocean Atmosphere Interactions Naval Postgraduate School; Ocean Univ. of China; South China Sea Inst. of Oceanology, Chinese Academy of Sciences

OA13 Climate Change

OA15 Physical Oceanography of Inland Seas, Large Lake Systems and Coastal Estuaries

National Water Research Inst.; NOAA; Gothenburg Univ; Iranian National Inst of Oceanography

OA16 Tropospheric Ozone over Asia

National Physical Laboratory, India, The Hong Kong Polytechnic University, National Physical Laboratory

OA17 Remote Sensing of the Coastal zone Centre for Remote Imaging, Sensing and Processing (CRISP), Tohoku University,

OA18 Low-latitude and high-latitude climates and linkages in the Asia Oceania sector in the late Macquarie Uni tchurch, New Zealand, Institute of Geology and

OA20 Sub-decadal changes in fog occurrence over Asia: trends, mechanisms and predictive tools

#### Hydrological Science (HS)

Bioenvironmental Systems Engineering, National Taiwan Univ.; Inst. of Hydrological Sciences, National Central Univ.; Inst. of Earth Sciences; Academia Sinica

HS2 Sustainable development: Water Resources in 21st Century Physical Research Lab, India; Water Resources Center, Hawaii; Indian Agricultura Research Inst., Disaster Prevention Research Inst., Japan

HS4 Groundwater in Urban Areas of Asia and Oceania

Geological Survey of Japan, Korean Inst. Of Geoscience and Mineral Resources

HS5 Assessment of the Current Predictive Hydrological Uncertainties in Asia and the Oceania Yamanashi University, University of Western Australia

Space Physics and Planetary Science (SP)

SP1 Multiscale Phenomena in the Earth's Magnetosphere JHU/ Applied Physics Lab, USA

SP2 Effects of Space Radiation on Solar System Ices NASA/Goddard Space Flight Center; Eckerd College; Univ. of Alabama at Birmingham, National Central Univ.

SP3 The Exploration of Mercury
ISAS; Carnegie Institution of Washington; estec/ESA

SP4 Monitoring of Geophysical Electromagnetic and Space Environmental Change Coordinated Magnetic Stations Kyushu Univ.; Communications Research Lab., Japan

SP5 Space Plasma Modeling and Simulation Nagoya Univ.; Kyungpook National Univ.; Inst. of Geology and Geophysics Chinese Academy of Science SP6 Chemical and Physical Processes in Formation and Evolution of the Comets

Chungnam National Univ.; National Astronomical Observatory of Japan; The Univ. of New Mexico

SP7 Solar Flares and Coronal Mass Ejections Kvoto Univ.: Univ. of Alabama: Naniing Univ

SP8 Dynamics and Structure of the Mid- and Low-Latitude Ionosphere Inst, of Space Science, National Central Univ.: Kvoto Univ.: Inst, of Space Science, National Central Univ.

SP9 Magnetosphere-Ionosphere-Thermosphere Coupling National Center for Atmospheric Research; Univ. of Nagoya; Peking Univ.

SP10 Lunar Science and Exploration ESA & ILEWG, Brown U, US, ISRO, ISAS

SP11 The Edgeworth-Kuiper Belt: a view of the Solar System beyond Neptune

CNR-IASF: NAOJ: LESIA-Observatorie de Paris

SP12 Space Weather Nowcasts and Forecasts Johns Hopkins Univ.; Princeton Univ.

SP13 The Terrestrial Effects of Cosmic Rays
Danis Space Research Inst., Physikalisches Institut, Universitaet Bern, Instituto
TeSRE/CNR

SP14 Cosmogenic Nuclides and the Global Climate Nagoya Univ.; EAWAG

SP15 Science and Exploration of Mars and Venus Inst. of Space and Astronautical Science; Max-Planck-Institut fuer Aeronomie; Jet Propulsion Lab

SP16 Plasma and Magnetic Fields Near Nonmagnetized Celestia 1 Bodies (Mars, Titan, Moon, Comets, Small Bodies Max-Planck Inst. fur Aeronomie; Rutherford Appleton Lab, UK

SP17 Solar Corona, Solar Wind and Heliosphere Shonan Inst. of Technology; Nagoya Univ.; Sydney Univ.; IGPP, Univ. of California,

SP18 Planetary Upper Atmospheres and Ionospheres and their coupling with Magnetospheres e Centre, ; Southwest Research Institute

SP19 Nonlinear processes in solar-terrestrial physics
British Antarctic Survey, UK; University of Warwick, UK; Ben Gurion University,
Israel.; Max Planck Institute, Garching, Germany

SP20 Solar System Radiophysics
Max Planck Institute for Aeronomy, Germany.; CETP, CNRS, France

SP21 The Radiation Belts Nanets and Space Plasma Group, Rutherford Appleton Laboratory, ; Communication Research Laboratory, Japan ; Rice University, USA

SP22 Outer Planets Systems LESIA(Bat 18) Observatoire de Meudon

#### Natural Hazards (NH)

NH1 River-Sea Interaction: Dynamics and Environmental Impacts The Key Lab of Coast and Island Development, Nanjing Univ.

NH2 Earthquake, Tsunami and Volcano Monitoring in the Western Pacific Minerals & Geohazards Div, Geoscience Australia, National Research Inst. for Earth Science and Disaster; Prevention National Disaster Information Center; International Seismic Network Labor, Inst. Geological & Nuclear Sciences

NH3 The Integrated Research of Marine Geo-Environment and Geo-

Hazard Dapeng bay Guangzhou Marine Geology Survey (GMGS); Marine and Environmental & Engineering Geological Survey

NH4 Modelling and Simulation of Volcanic Surface Flows, Floods, Debris Flows and Other Fast-Moving Flow-Type Landslides for Hazard Mitigation CNR-IRPI (Italian National Research Council); State Univ. of N.Y

NH5 Assessment of Natural Hazard in Asia-Pacific Region

#### Non-linear Geophysics (NL)

NL1 Waves and Turbulence in Geophysics and Spa Physics National Inst. for Space Research, Brazil; Univ. Adelaide, Australia; Kyushu Univ.; Indian Inst. of Astrophysics; National Univ. of Singapore

NL2 Nonlinear analysis, assimilation and predictability of geophysical dat University Potsdam, Centre for Dynamics of Complex Systems,; University of Western Australia

NL3 Fractals and Chaotic Dynamics in Geosciences National, Geophysical Research Institute, Uppal Road, Hyderabad, 500 007,

#### BioGeosciences (BG)

BG1 Marine Archaeology National Inst. of Ocean Technology

BG2 Dynamics of the Coupled Carbon Climate Human System Georgia Inst. of Technology

#### Interdisciplinary Working Groups (IWG)

IWG1 GPS Radio Occultation

Inst. of Space Science; National Central Univ.; RASC, Kyoto Univ.; Inst. of Atmospheric Physics; National Central Univ.; Satellite Geoinformatics Resea Centre

IWG2 Earthquake Prediction, Earthquake and Volcanic Eruption, Electromagnetic phemomena, lithosphere-atmosphere-ionsphere coupling Univ. of Electro-Communications: Chofu Tokyo, Japan: Univ. of Electro-

Communications IWG3 Space Geodesy and its Applications in Earth Sciences NASA Goddard Space Flight Center; Shanghai Astronomical Observatory; CAS on APSG Project; HK Polytech Univ

IWG4 Land-Ocean Interactions in Asia and Oceania Research Institute for Humanity and Nature, ; Hong Kong Baptist University,

IWG5 The Asian Monsoon since the last interglacial: Paleorecords, Modern trends and Future Scenarios

IWG6 Entropy Production in BioGeophysical Systems

1. Inversity of Arizona, Institute for Global Change

IWG7 Active Geosphere: A New Interdisciplinary Approach to Earth Science
Dept, of Geophysics, Kyoto Univ.; Univ. of Adelaide.; Chinese Academy Sciences

