

The IUGG Electronic Journal

Volume 4 No. 6 (June 1, 2004)

This short, informal newsletter is intended to keep IUGG Member National Committees informed about the activities of the IUGG Associations, and actions of the IUGG Secretariat. Past issues are posted on the IUGG Web site. Please forward this message to those who will benefit from the information. Your comments are welcome.

Contents

1. [The GeoUnions - A New Consortium for Earth Sciences](#)
2. [IGY+50: IPY, IHY, and CAWSES](#)
3. [PAIGH Cartography Commission](#)
4. [IUGG Activities in Capacity Building](#)
5. [IUGG-related Meetings Occurring During June-August 2004](#)

1. The GeoUnions - A New Consortium for Earth Sciences

At the International Council for Science (ICSU) Unions meeting in February, officers of four of the Unions with an emphasis on Earth science met together to explore common areas of interest. These were IUGG, the International Union of Geological Sciences (IUGS), the International Geographical Union (IGU), and the International Union of Soil Sciences (IUSS). Together, they selected 5 topics for further development: Cities and Megacities, Desertification, Groundwater, Geophysical Hazards, and Health. Ideas for cooperative work in these areas are being exchanged among representatives of each Union, and proposals for projects will be prepared for a meeting in Boulder, Colorado (USA) on September 3, 2004. At that meeting, the Secretary-General of International Society for Photogrammetry and Remote Sensing will also attend to access ways in which ISPRS could contribute to each initiative. We believe that improved communication and co-operation among the GeoUnions will greatly enhance the achievement of our common goals.

Correspondents to the Associations are Prof. D. Mangombi (IAG), M.F. Moshi (IAGA), G. Gulemvuga (IAHS), S. Mukenge (IAMAS), N. Zana (IASPEI), and M. Wafula (IAVCEI).

2. IGY+50: IPY, IHY, and CAWSES

The May issue of the IUGG E-Journal featured information about two of the initiatives (the electronic Geophysical Year and International Year of Planet Earth) planned to coincide with the 50th anniversary of the International Geophysical Year (IGY). This issue features three more - IPY, IHY, and CAWSES.

The International Polar Year (IPY) 2007-2008 is envisioned as an intense, internationally coordinated campaign of research that will initiate the dawn of a new era in polar science. IPY 2007-2008 will include research in both polar regions and involve strong links to the rest of the globe. It will be multi- and interdisciplinary in scope and international in participation. It will educate and excite the public, and help train the next generation of engineers, scientists,

and leaders. Previous IPYs (1882-1883, and 1932-1933) promoted unprecedented exploration and discoveries and fundamentally changed how science was conducted in the polar regions. The new campaign will include elements from a wide range of scientific disciplines, including issues related to human populations. It coincides with the 50th anniversary of the International Geophysical Year (1957-1958), which began as an IPY, as well as the 50th anniversary of the ICSU Scientific Committee for Antarctic Research (SCAR). More information is posted at www.us-ipy.org.

The International Heliophysical Year 2007 (IHY) aims to advance our understanding of the phenomena and physical processes that govern the Sun's influence on Earth. It will enhance an ongoing NASA program "Living with a Star," and is coordinated with the UN Basic Space Science Initiative through their Office for Outer Space Affairs. While an extraordinary event of the IGY was the launch of Sputnik on October 4, 1957, the emphasis of the IHY will rather be on science, not new missions. A recent workshop identified several international projects that will employ existing data to promote increased understanding of the basic physical processes in space. The web site for the IHY is ihy.gsfc.nasa.gov.

Climate and Weather in the Sun-Earth System (CAWSES) is an initiative of the ICSU Scientific Committee on Solar-Terrestrial Physics (SCOSTEP). During 2004-2008, CAWSES will link the world's scientists in a cooperative effort to study the entire interactive Sun-Earth system. Recognizing the impressive past, present, and planned space missions; ground-based observations; and theory, modeling, and data analysis efforts aimed at understanding aspects of the Sun-Earth system, CAWSES, seeks to mobilize the international solar-terrestrial science community to fully utilize past, present, and future data; to produce improvements in space weather forecasting, design of space- and Earth-based technological systems, and understanding the role of solar-terrestrial influences on Global Change. The CAWSES Science Steering Group (SSG) has organized around four themes: Solar Influence on Climate; Space Weather: Science and Applications; Atmospheric Coupling Processes; and Space Climatology. Current information about CAWSES can be found on the SCOSTEP web site: www.ngdc.noaa.gov/stp/SCOSTEP.

3. PAIGH Cartography Commission

The Cartography Commission of the Pan-American Institute for Geography and History (PAIGH) has recently announced their new officers and a message that they are sincerely interested in improving relationships with the international associations related to cartography, especially those involved with the development of geo-informatics matters in the Pan American region. IUGG President Dr. Uri Shamir extended congratulations to the new Commission President Lt.-Col. Barriga Vargas, Vice-President Mrs. Alejandra Coll, and Technical Secretary Mr. Juan C. Montero. The IUGG liaison to PAIGH is Dr.-Ing. Hermann Drewes (Germany).

4. IUGG Activities in Capacity Building

ICSU has established a Panel for Priority Area Assessment on Capacity Building. Dr. Harsh Gupta, a member of the IUGG Bureau, is a member of this Panel that will access present

activities in capacity building and recommend future actions including development of new programmes, policy initiatives, and new priorities for the ICSU grants programme.

IUGG was invited to update our report prepared in 2001 (posted on the IUGG Web site) as input to the Panel. Each of the IUGG Associations has programs aimed at supporting Earth science in developing countries using strategies such as topical workshops and other training opportunities, free distribution of observational methods and analysis manuals and other scientific publications, and by providing direct support for disadvantaged scientists to attend international meetings. At the Union level, in 2002-03 IUGG awarded \$25,000 to assist scientists from economically disadvantaged countries to attend conferences, and nearly \$87,000 to support interdisciplinary research initiatives in South America, South East Asia, and Africa. In addition, the IUGG ad hoc committee 'Geophysics: The Future' continues to engage young scientists worldwide in the work of the Union.

5. IUGG-related Meetings Occurring During June-August 2004

A calendar of meetings of interest to IUGG disciplines (especially those organized or sponsored by IUGG Associations) is posted on the IUGG Web Site [www.IUGG.org]. Specific information about these meetings, including web links, can be found there. Individual Associations also list more meetings on their web sites appropriate to their disciplines.

June 1 - 8, 2004

IAMAS; Kos, Greece; Quadrennial Ozone Symposium of the International Ozone Commission

June 9 - 11, 2004

IASPEI; Emmetten - Lake Lucerne, Switzerland; GeoMod2004 "From Mountains to Sedimentary Basins: Modelling and Testing Geological Processes"

June 14 - 25, 2004

IASPEI; Golden, Colorado - USA; Summer School on Mathematical Geophysics and Uncertainty in Earth Models

June 16 - 18, 2004

IUGG/CMG; New York, NY - USA; CMG2004: 25th IUGG Conference on Mathematical Geophysics

June 20 - 23, 2004

Oulu, Finland; 1st International Symposium on Space Climate: Direct & Indirect Measurements of Long-Term Solar Activity

June 21 - 24, 2004

IAVCEI; Alexandria, Virginia - USA; Volcanic Ash and Other Airborne Hazardous Materials

June 21 - 25, 2004

CLIVAR; Baltimore, Maryland - USA; 1st International CLIVAR Science Conference

June 30 - July 3, 2004

IASPEI; Mizunami, Gifu - Japan; International Workshop on Active Monitoring in the Solid Earth Geophysics

July 4 - July 9, 2004

SEDI; Garmisch-Partenkirchen, Germany; SEDI Symposium

July 5 - July 9, 2004

AOGS; Suntec, Singapore; Asia Oceania Geosciences Society (AOGS) 1st Annual Meeting

July 12 - July 14, 2004

China Earthquake Administration; Beijing, China; 3rd International Conference on Continental Earthquakes: Mechanism, Prediction, Emergency Management, and Insurance (III ICCE)

July 12 - July 15, 2004

IAGA/ICMA; Bath, U.K.; 2nd Workshop on the Vertical Coupling in the Atmosphere/Ionosphere System

July 12 - July 16, 2004

IAHS/UNESCO/WMO; London, U.K.; Hydrology: Science and Practice for the 21st Century

July 12 - July 23, 2004

ISPRS; Istanbul, Turkey; 20th Congress of the International Society for Photogrammetry and Remote Sensing

July 18 - July 21, 2004

EMSEV; Orlando, Florida - USA; Acoustic Emissions, and Crustal Stress and Exhalation

July 18 - July 25, 2004

COSPAR; Paris, France; 35th Scientific Assembly

July 18 - July 23, 2004

IAMAS; Bologna, Italy; International Cloud Physics Conference

July 19 - July 22, 2004

IAHS; Waterloo, Ontario - Canada; GQ 2004: Bringing Groundwater Quality Research to the Watershed Scale

July 20 - July 23, 2004

IAMAS; Yokohama, Japan; Workshop on the Solution of Partial Differential Equations on the Sphere

July 21 - July 25, 2004

International Institute of Informatics and Systemics; Orlando, Florida - USA; 10th International Conference on Information Systems Analysis and Synthesis: ISAS 2004 and CITSA 2004

July 25 - July 31, 2004

ICSU/SCAR; Bremen, Germany; XXVIII SCAR Open Science Conference; "Antarctic and the Southern Ocean in the Global System"

July 26 - July 30, 2004

IAMAS; Kyoto, Japan; 16th International Conference on Nucleation and Atmospheric Aerosols

August 1 - August 6, 2004

SPARC; Victoria, British Columbia - Canada; 3rd SPARC General Assembly

August 1 - August 6, 2004

IASPEI; Victoria, British Columbia - Canada; The 13th World Conference on Earthquake Engineering

August 2 - August 6, 2004

IAHS; Moscow, Russia; International Symposium on Sediment Transfer through the Fluvial System

August 2 - August 8, 2004

IAHS; Tallin, Estonia; Nordic Hydrology Conference

August 8 - August 11, 2004

IAHS; Vancouver B.C., Canada; 8th International Conference on Precipitation

August 15 - August 20, 2004

IUG; Glasgow, Scotland; 30th International Geographical Congress

August 16 - August 19, 2004

Nigerian Union of Planetary and Radio Sciences (NUPRS); Lagos, Nigeria; International Workshop on Nigerian SAT 1 as a New Tool for Economic Empowerment

August 20 - August 28, 2004

IUGS; Florence, Italy; 32nd International Geologic Congress

August 30 - August 31, 2004

IUGG; Boulder, Colorado - USA; IUGG Bureau Meeting

August 31 - September 2, 2004

IUGG; Boulder, Colorado - USA; IUGG Executive Committee

End of IUGG Electronic Journal Volume 4 Number 6 (June 1, 2004)

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