

Volume 4 No. 7 (July 6, 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. [GEOSS - A New International Initiative](#)
 2. [SWARM Selected as an ESA Programme](#)
 3. [The 2004 Geodesist's Handbook](#)
 4. [IAHS's Tison Award for 2004](#)
 5. [New Publications from IAHS](#)
 6. [IGY+50: Update on IYPE and IPY](#)
 7. [IUGG-Related Meetings Occurring during July - September 2004](#)
-

1. GEOSS - A New International Initiative

The Global Earth Observation System of Systems (GEOSS) is a 10-year international plan to share Earth-observation data and to identify and fill gaps in the data networks. A summit meeting, held in Tokyo in April, was attended by representatives from governments of 47 nations as well as Dr. Gerhard Beutler, President of the International Association of Geodesy (IAG). IAG was accepted as a participating organization through the advocacy of the German delegation. Dr. C. Reigber, Chair of IAG's Global Geodetic Observing System (GGOS) project, is working directly with the Group on Earth Observations (GEO) organizers with regard to observations of "geometry and Earth dynamics" but expects to be able to act as an informant between other GEO subgroups and the IUGG Associations. We are fortunate that IAG was able to seize the opportunity to make sure that the Earth observations that are critical to IUGG disciplines are adequately considered in this new international initiative. A report about the Tokyo summit can be found at the web site www.esa.int/export/esaCP/SEMTR077ESD_index_0.php, and information about GEO is posted at <http://earthobservations.org>.

2. SWARM Selected as an ESA Programme

On Friday May 28, the Earth Observation Programme Board of the European Space Agency approved the mission SWARM - Earth's Magnetic Field and Environment Explorers, for full implementation and launch in 2009 as number 5 in ESA's Living Planet Programme. This mission, a constellation of three satellites, during its 4-year operational phase will complete the International Decade of Geopotential Field Research that was announced in a resolution adopted by IAGA and IUGG and initiated so successfully with the Danish satellite IIIrsted. The Lead Investigator of the mission proposal is Dr. Eigil Friis-Christensen, a Vice President of the International Association of Geomagnetism and Aeronomy (IAGA).

3. The 2004 Geodesist's Handbook

The International Association of Geodesy (IAG) has completed the 2004 Geodesist's Handbook, edited by Ole B. Andersen. The Handbook is published every four years as a special issue of the Journal of

Geodesy (Vol. 77, Number 10-11, April 2004). It contains all of the current organizational information regarding IAG, a report of the IAG activities at the XXIII IUGG General Assembly in Sapporo, Japan in July 2003, and a compendium of general information related to geodesy, such as a discussion of fundamental parameters by E. Groten, a listing of the Geodetic Data Centers, and educational institutions offering geodetic instruction. Most of the information contained in the Handbook can be found on the IAG web site: www.iag-aig.org

4. IAHS's Tison Award for 2004

The International Association of Hydrological Sciences (IAHS) will present their Tison Award to Dr. Francis Chiew of the Cooperative Research Centre for Catchment Hydrology, Department of Civil and Environmental Engineering, University of Melbourne, Victoria, Australia.

The IAHS Tison Award, which aims to promote excellence in research by young hydrologists, is granted for an outstanding paper published by IAHS in a period of two years previous to the deadline for nominations.

The winning paper, Global ENSO-streamflow teleconnection, streamflow forecasting and interannual variability, was published by F.H.S. Chiew and T.A. McMahon in Hydrological Sciences Journal, Vol. 47 (3), 505-522, 2002.

Nominations for the 2005 International Hydrology Prize and the Tison award are invited. Please send them to the IAHS Secretary General (iahs@ensmp.fr) by 31 December 2004.

5. New Publications from IAHS

The IAHS (International Association of Hydrological Sciences) Press has just announced the following new publications. For further information including contents and price, please contact Mrs. Jill Gash (jilly@iahs.demon.co.uk).

Wastewater Re-Use and Groundwater Quality (IAHS publ. 285, April 2004) edited by J. Steenvoorden and T. Endreny.

The Basis of Civilization - Water Science? (IAHS publ. 286, July 2004) edited by J.C. Rodda and L. Ubertini.

6. IGY+50: Update on IYPE and IPY

The International Year of Planet Earth (IYPE) has added Soils as a 9th Science Objective. The International Union of Soil Sciences (IUSS), also a full partner in IYPE, will take the lead to develop this theme. Dr. Tom Beer, IUGG Vice President and Chair of the GeoRisk Commission, has accepted responsibility to Chair the team that is developing the Hazards Science Objective. Dr. Yoram Rubin, President of the IAHS International Commission on Groundwater, is a member of the team that is developing the Groundwater Science Objective, and Dr. Keith Alverson, President of the IAMAS Commission on Climate, is a member of the team that is developing the Climate Science Objective. The web site for IYPE is www.esfs.org.

The International Polar Year 2007-2008 (IPY) has added several documents to their web site including a summary of the report of the US National Committee for the IPY, A Vision for International Polar Year 2007-2008. This report, which includes the initiative's scientific challenges that form the framework for IPY activities, can be found at www.ipy.org or <http://us-ipy.org>.

7. IUGG-Related Meetings Occurring during July - September 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 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 6, 2004

IAG; Ottawa, Canada; 15th International Symposium of Earth Tides "Probing the Earth at Subseismic Frequencies"

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 30 - September 4, 2004

IAG; Porto, Portugal; International Symposium on Gravity, Geoid, and Space Missions (GGSM2004)

August 31 - September 2, 2004

IUGG; Boulder, Colorado - USA; IUGG Executive Committee

September 5 - September 9, 2004

IAGA/IASPEI/IAVCEI; La Londe les Maures, France; IV International Workshop on Magnetic, Electric and Electromagnetic Methods in Seismology and Volcanology

September 12 - September 17, 2004

IASPEI/ESC; Potsdam, Germany; 29th General Assembly of the European Seismological Commission

September 13 - September 16, 2004

IAHS; Karlovy Vary (Carlsbad), Czech Republic; Finite-Element Models, MODFLOW, and More 2004: Solving Groundwater Problems

September 14 - September 17, 2004

IAMAS/ICMA; Cambridge (Clare College), - UK; Meeting of the Layered Phenomena in the Mosopause Region

September 17 - September 18, 2004

IAHS/UNESCO; Paris, France - 7th Kovacs Colloquium/7^{ème} Colloque Kovacs Scales in Hydrology and Water Management Echelles en hydrologie et gestion de l'eau

September 26 - September 30, 2004

EMS and ECAC; Nice, France; 4th Annual Meeting of the European Meteorological Society -and- 5th European Conference on Applied Climatology

September 26 - October 1, 2004

IASPEI; Quebec, Canada; 11th International Symposium on "Deep Structure of the Continents and their Margins: Results from Reflection, Refraction, and Teleseismic Seismology"

September 27 - October 1, 2004

IAHS; Brechtsgaden, Germany; International Conference on Hydrology of Mountain Environments

September 27 - September 30, 2004

SCOR; Venice, Italy; Scientific Committee on Oceanic Research (SCOR) General Meeting

September 29 - October 1, 2004

IAGA; Roquetes, Spain; Workshop on Challenges for Geomagnetism, Aeronomy and Seismoloy in the XXI Century

End of IUGG Electronic Journal Volume 4 Number 7 (July 6, 2004)

J. A. Joselyn, Secretary General [<http://www.IUGG.org>]

jjoselyn@cires.colorado.edu, fax: 1 303 497 3645.