

# The IUGG Electronic Journal

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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.

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## 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.html](http://www.esa.int/export/esaCP/SEMTR077ESD_index_0.html), and information about GEO is posted at <http://earthobservations.org>.

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## 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).

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### **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](http://www.iag-aig.org)

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### **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](mailto:iahs@ensmp.fr)) by 31 December 2004.

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### **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](mailto: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.

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### **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](http://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](http://www.ipy.org) or <http://us-ipy.org>.

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## **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](http://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) 1<sup>st</sup> Annual Meeting

### ***July 12 - July 14, 2004***

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

### ***July 12 - July 15, 2004***

IAGA/ICMA; Bath, U.K.; 2<sup>nd</sup> 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 21<sup>st</sup> Century

### ***July 12 - July 23, 2004***

ISPRS; Istanbul, Turkey; 20<sup>th</sup> 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; 35<sup>th</sup> 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; 10<sup>th</sup> 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; 16<sup>th</sup> International Conference on Nucleation and Atmospheric Aerosols

***August 1 - August 6, 2004***

SPARC; Victoria, British Columbia - Canada; 3<sup>rd</sup> SPARC General Assembly

***August 1 - August 6, 2004***

IASPEI; Victoria, British Columbia - Canada; The 13<sup>th</sup> 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; 15<sup>th</sup> 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; 8<sup>th</sup> International Conference on Precipitation

***August 15 - August 20, 2004***

IUG; Glasgow, Scotland; 30<sup>th</sup> 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; 32<sup>nd</sup> 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; 29<sup>th</sup> 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 - 7<sup>th</sup> Kovacs Colloquium/7<sup>ème</sup> 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; 4<sup>th</sup> Annual Meeting of the European Meteorological Society - and- 5<sup>th</sup> European Conference on Applied Climatology

***September 26 - October 1, 2004***

IASPEI; Quebec, Canada; 11<sup>th</sup> 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 Seismology in the XXI Century

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

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