



Spatial Data Infrastructure - Asia and the Pacific Newsletter

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SDI-Asia/Pacific Newsletter

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Spatial Data Infrastructure – Asia and the Pacific (SDI-AP) is a free electronic newsletter for people interested in GIS, remote sensing, and data management issues in Asia and the Pacific. It aims to raise awareness and provide useful information to strengthen national SDI initiatives and support synchronization of regional activities. The Permanent Committee on Geographic Information for Asia and the Pacific ([PCGIAP](#)) is a regional forum that is promoting SDI development. The newsletter is sponsored and prepared by the Global Spatial Data Infrastructure Association ([GSDI](#)) with input from PCGIAP.

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Please mention SDI-AP as a source of information in correspondence you may have about items in this issue.

If you have news or information related to GIS, remote sensing, and spatial data infrastructure that you would like to highlight (e.g., workshop announcements, publications, reports, websites of interest, etc.), kindly send us the materials by the 25th of the each month to sdi-ap@gsdi.org, so that we can include the items in the next newsletter.

PLEASE share this newsletter with colleagues who may find the information useful, and ideally they will subscribe themselves.

Back issues of the newsletter are at the GSDI website: <http://www.gsdi.org/newsletters.asp>

Best regards, Oh-Sung Kwon, Editor, sdi-ap@gsdi.org.

Input to this Issue

Thank you to Kate Lance, ITC (USA/the Netherlands); Huayi Wu, Ph.D., Secretary LOC, LIESMARS, Wuhan University, China; Changsup Han, Director, Ministry of Construction and Transportation, Korea; Kiyun Ryu, Department of Geosystem, Seoul National University, Korea for their contributions to this issue of the newsletter.

SDI News, Links, Papers, Presentations

[Bhutan - Land Management Project \(supported by the World Bank\)](#)

The project will support a GIS-based biophysical and socio-economic mapping exercise to identify the causes and incidence of land degradation. The information generated through the mapping exercise will be used to identify “hot-spots” and to assess the presence or absence of incentives that currently guide farming practices and inform community decisions. It will support community decision making and prioritization of potential sustainable land management (SLM) investments at the chiog level. Implementing Agency: Ministry of Agriculture.

[egov Asia 2006; The Asian e-Government Conference](#), April 2006. Bangkok, Thailand

The Asian e-Government conference, aims to provide a knowledge-sharing platform and a forum for policymakers, practitioners, industry leaders and academicians of Asia-Pacific nations to carry forward the e-Government vision of the region and consolidate them into actionable program, through collaborative learning and partnerships. Eminent experts and senior government officers from various parts of Asia and will discuss e-Government developments in their respective countries. The discussion will include (but not limit to) the following topics: e-Government trends in Asia; e-Government strategies of Asian countries; Leadership reflections for e-Government. Individuals working in central/state government departments, national/international government agencies, bi-lateral/multi-lateral organisations, research and academic institutes, development organisations and NGOs and IT/Telecom companies involved with e-Government and/or public sector ICT projects, technology development, policy research, implementation etc. are encouraged to submit abstracts of original papers for presentation in the conference. Further details will soon be available at: www.egov.csdms.in/events. Deadline for abstracts: 15 January 2006.



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[Australian Spatial Data Directory Quarterly Technical Report](#) (July to September)

The ASDD is an essential component of the Australian Spatial Data Infrastructure ([ASDI](#)). The gateway to the ASDD is maintained by [Geoscience Australia](#) on behalf of [ANZLIC - the Spatial Information Council](#), as part of its broader Australian Government responsibility for the ASDI. The individual ASDD nodes are implemented by State/Territory jurisdictions, Australian Government agencies, and commercial organisations (for details see all [node descriptions](#)). It is the responsibility of individual nodes to maintain their own metadata and nodes in accordance with the [ANZLIC Metadata Guidelines](#) and the ASDD [Requirements and Standards](#). At the end of September 2005, there were 25 repositories within the ASDD with a total of 39,752 dataset descriptions available for searching. Statistics are provided for the ASDD covering: web access statistics, gateway statistics, number of records at each repository, reliability of repository for the months of July, August and September 2005.

[The Asia Pacific Natural Hazards Information Network \(APNHIN\)](#)

PDC (Pacific Disaster Center) Mission is to provide applied information research and analysis support for the development of more effective policies, institutions, programs and information products for the disaster management and humanitarian assistance communities of the Asia Pacific region and beyond. The Asia Pacific Natural Hazards Information Network (APNHIN), hosted by the Pacific Disaster Center (PDC), directly supports disaster and resource managers, planners, governments, and nongovernmental organizations with a suite of applications and information services designed to search for, evaluate, and access high-quality geospatial data for natural hazard applications within the Asia Pacific region. APNHIN comprises a community of organizations who create and share disaster and hazards-related information. For more information about [APNHIN, click here](#).

[PCGIAP Working Group 2 \(Fundamental Data\) Workshop and Executive Board \(EB\) Meeting](#)

PCGIAP Working Group 2 (Fundamental Data) Workshop and Executive Board (EB) Meeting was held 24 & 26 November 2005 in Bandar Seri Begawan, Brunei Darussalam. Currently two different Task Forces are undertaking the principle projects of the [Fundamental Data Working Group](#) in pursuit of PCGIAP aims and objectives: Pan Asia-Pacific Framework Dataset Taskforce, APSDI Data Nodes and Clearinghouse Taskforce.

[Map Middle East Portal](#)

The Map Middle East portal is the regional geospatial portal of the Middle East region. In comprehension of the vast need in the region for a platform to generate technical and academic discussions, papers and deliberations, GIS Development has launched this portal to cater to the geospatial community members in the Middle East region. It puts forth information, news, research papers, case studies of the region with an intention to promote and spread the potential and awareness of geospatial science. The portal would be highlighting not only the above, but also the achievements and milestones of individuals and organisations in the region. One and all are invited to be a part of this portal and contribute information to it.

[APDIP e-Note 6 - ICT for Poverty Reduction: Necessary but Insufficient](#)

This sixth APDIP e-Note summarizes an analysis of 21 papers and reports since 2002 that highlight the use of information and communications technology (ICT) for poverty reduction. The analysis looks at the conditions required for making ICTs effective anti-poverty tools, as discussed in the papers and reports. The analysis also notes the gaps in current research and reporting on the use of ICT for poverty reduction. Analysis of the papers and reports shows that there is a lack of concrete evidence linking ICT to poverty reduction, thus, hindering the readiness to embed ICTs into poverty reduction programmes. A wide range of pre-conditions that make ICTs effective anti-poverty tools are given but there is little explanation or analysis of how to create these conditions, and why particular ICTs are or are not chosen in the different development circumstances. This APDIP e-Note concludes with some pointers on the way forward. APDIP e-Notes are brief snapshots that present analyses of specific issues related to information and communication technologies (ICTs) for sustainable human development in the Asia-Pacific region. This online series introduces readers to the who, what, where, why and how of a wide range of current issues related to ICTs such as Internet governance, ICTs and poverty alleviation, e-governance, free and open source software, and many others

[FIG XXX General Assembly and Working Week](#), 12-17 May 2007. Hong Kong, China

The theme of the conference, "Strategic Integration of Surveying Services", is linked to the role of FIG in building bridges between surveyors from different regions and cultures and between different surveying



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disciplines based on the FIG definition of a surveyor. The theme also reflects how professional surveyors in Hong Kong have closely worked together to make their city a sustainable place to live in. With Hong Kong's strategic geographical position as a gateway to the Mainland China and Asia, we endeavour to foster closer working relationship with professional surveyors world wide. The conference will also provide an excellent opportunity for integration between international participants and Chinese counterparts. There will be a special focus on China when the conference is taking place in the same year as the 10th Anniversary of the re-unification. We therefore seek your active participation to make the FIGWW2007 a successful event. Deadline for abstracts: 30 November 2006.

[Combined 5th Trans Tasman Survey Conference and the 2nd Queensland Spatial Industry Conference 2006](#), 20-23 September 2006. Cairns, Australia. The theme of these Conference 2006, Land and Sea Spatially Connected - In a Tropical Hub, aims to demonstrate initiatives across the spatial industry, providing a forum for ongoing discussions and interaction relating to their applicability to the community. In keeping with the theme, the Conference will draw together spatial professionals from the host state and nation, as well as those from across neighbouring seas. To that end there will be a strong emphasis on the spatial industry's activities and achievements in both the land and marine environments. Young professionals from across the industry will also be actively involved in the Conference, sharing their ideas and experiences as the future of our industry. Deadline for abstracts: 3 March 2006.

[ISPRS Technical Commission VI Symposium](#), 27-30 June 2006. Tokyo, Japan
Recognizing the importance of combining the latest e-Learning technology with traditional pedagogy, the International Society for Photogrammetry and Remote Sensing (ISPRS) Commission VI on "Education and Outreach" is organizing an international symposium on "E-Learning and the Next Steps for Education" jointly with the Japan Society for Photogrammetry and Remote Sensing (JSPRS). The objective of the Symposium is to bring researchers, engineers, educators and students from the fields of remote sensing, photogrammetry, and spatial information sciences to share their expertise, knowledge and experiences for optimizing the ways of education in their related fields. Each of the five working groups(WG) and one special interest group of the Commission VI will be organizing special session. The educational software contest CATCON4 will be organized during the symposium. Tutorials for students to learn the latest educational software and datasets are also planned. Deadline for abstracts: 31 January 2006.

[The 14th International Conference on Geoinformatics](#), 20-21 October 2006, Wuhan, China
This conference will act as the major event of the 50th anniversary of Wuhan Technical University of Surveying and Mapping, which is a part of Wuhan University now. The conference theme, the 21st Century's Geoinformatics, encourages diverse topics related to new philosophy, new technology and new solution to enrich the future development of Geoinformatics. The conference will include keynote speeches, parallel sessions, panel discussion and special forums. All accepted papers will be included in a conference proceeding. Selected papers, through a peer-review process, will be published as a special issue of international journal or an edited book. Deadline for abstracts: 30 April 2006

[3D Geoinfo '06 Workshop](#), 7-8 August 2006. Kuala Lumpur, Malaysia
The Workshop emphasizes on the third dimension. It is meant to be an interdisciplinary forum for leading researchers to present the latest 3D developments and 3D applications, to discuss cutting-edge 3D technology, to exchange research ideas and to promote international collaboration in this field. The conference will concentrate on these areas: Data collection and modeling: Advanced approaches for 3D data collection, reconstruction and methods for representation; Data Management: Topological, Geometrical and Network models for maintaining of 3D geoinformation; Data Analysis and Visualization: Frameworks for representing 3D spatial relationships, 3D spatial analysis and algorithms for navigation, interpolation, etc; Advanced VR, AR and MR visualisation; 3D visualisation on mobile devices; 3D Applications: City Models, Cadastre, LBS, etc. Deadline for abstracts: 1 April 2006.

[Raster maps online](#)

Geoscience Australia's 1:250,000 scale national topographic data, **[TOPO-250K RASTER](#)**, is now available free online. It forms the backbone of NATMAP Raster products which are popular in the recreational and commercial markets. This much anticipated release will be of significant benefit to GIS users across a wide range of applications, such as regional planning, agriculture, emergency management, environment, tourism and map based presentations. Commercial map makers will also benefit, with the data (an alternative to vector data) allowing for the development of commercial map products for tourism and other markets. TOPO-



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250K RASTER is made available free online as part of the Australian Government's [Spatial Data Access and Pricing Policy](#). The TOPO-250K RASTER data is a [raster](#) version of Geoscience Australia's [GEODATA TOPO-250K Series 2](#) national fundamental [vector](#) data. The TOPO-250K RASTER data can be downloaded free as individual mapsheets by visiting [Free Downloads page](#) and searching on topography.

GIS Tools, Software, Data

[Pakistan's Federal bureau of Statistics](#)

Federal Bureau of Statistics (FBS) an attached department of Statistics Division, is Pakistan's official statistical organization. It assists and encourages informed decision-making, research and discussion within governments and the community, by providing a high quality, objective and responsive national statistical service. FBS compiles statistics from many sources and produces global updates, including the Statistical Yearbook, Pakistan Statistics Handbook and yearbooks in specialized fields of statistics.

[New and updated 1:1 million scale digital surface geology data sets for Australia](#)

New and updated 1:1 million scale digital surface geology data sets for Queensland, New South Wales, Victoria and Tasmania are now available. The data sets provide a valuable tool for large scale regional and national evaluation of resource potential, environmental issues and land use. This geological mapping project was initiated to gain an improved understanding of Australia's geology, and promote opportunities for mineral and petroleum exploration investment in Australia. The digital datasets were largely compiled from regional 1:500 000 and 1:1 million scale map data. They also include significant compilations of 1:250 000 and 1:100 000 data, particularly for much of New South Wales, and southeast and northeast Queensland. The data have a spatial accuracy of between 200 metres, and 1500 metres, depending on the quality of the original source data. Geological unit (polygon) attributes include stratigraphic name, map symbol, unit description, maximum and minimum age, and summary lithology information. Faults and stratigraphic boundaries are also coded in the data. All versions of the datasets come with comprehensive metadata.

[Badan Pusat Statistik \(BPS-Statistics Indonesia\)](#)

Badan Pusat Statistik (BPS-Statistics Indonesia) is a Non-Departmental Government Institution directly responsible to the President. The functions of BPS: To provide data to the government, and public. The data is derived from its comprehensive statistical activities, comprises of periodic information on structure and growth of economy, social change, and development. Those statistics may be derived from its own researches and surveys as well as from other government department as secondary data; To assist statistics divisions of government departments and other institutions, in developing statistical system, needed to setup work program and periodic reporting scheme; To develop and promote standards to be incorporated in the implementation of statistical techniques and methods, and to provide necessary services in the field of education and training in statistics; To establish cooperation with international institutions and other countries for the benefit of Indonesia's statistical development.

[Statistics Singapore](#)

As the National Statistical Authority, Statistics Singapore: Collect, compile and disseminate a wide range of economic and social data; Analyse and monitor trends of the economy and the society; Develop and maintain national statistical databases on households, dwelling units, establishments and statistical time series; and Provide advice and consultancy services on statistical matters to government agencies and the public. As the National Statistical Coordinator, Statistics Singapore is responsible for: Developing national statistical standards; Standardizing definitions, classifications and procedures for use in statistical activities; and Promoting the observance of approved national statistical standards.

[Mongolia National Statistical Office](#)

The mission of the National Statistical Office (NSO) is to provide state, government and public users with reliable and accurate economic, social and population data and information that is immune to political influence and scientifically feasible and acceptable. Main functions: to collect, compile and analyze the official statistics; to coordinate with government agencies while receiving statistical information from various ministries and agencies; to introduce international standards and methodologies; to conduct surveys and thematic studies; to conduct population and housing census every 10 years; to capture all entities in the recording of the business register; to improve the data dissemination system and services; to monitor the accuracy of official statistics; to co-operate with international organizations and other national statistical services.



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[Gridded Population of the World and the Global Rural-Urban Mapping Project](#)

This Website is dedicated to the delivery of global population data and information that are produced at Columbia University. The goal is to deliver human population information in a common geo-referenced framework for use in research, policy-making, and communications. Developed between 2003 and 2005, the third version of Gridded Population of the World (GPWv3) and the new suite of data products developed under the Global Urban-Rural Mapping Project (GRUMP) build on the latest developments in the rendering of human populations in a common geo-referenced framework. The GPWv3 dataset is much more detailed than its predecessor, GPWv2, and GRUMP utilizes new methodologies that facilitate even greater specificity by allocating populations based on urban and rural criteria.

[The International Data Base \(U.S. Census Bureau, International Programs Center\)](#)

The International Data Base (IDB) is a computerized source of demographic and socio-economic statistics for all countries of the world. You can obtain the data through an online subsetting facility, by downloading programs to a PC and by viewing summary tables and charts. The IDB provides quick access to specialized information, with emphasis on demographic measures, for individual countries or selected groups of countries. The IDB combines data from country sources (especially censuses and surveys) with IPC's estimates and projections to provide information dating back as far as 1950 and as far ahead as 2050. Because the IDB is maintained at IPC as a research tool in response to sponsor requirements, the amount of information available for each country may vary. The major types of data available in the IDB include: Population by age and sex; Vital rates, infant mortality, and life tables; Fertility and child survivorship; Migration; Marital Status; Family planning; Ethnicity, religion, and language; Literacy; Labor force, employment, and income; Households. A [complete list of variables](#) is available.

[Environmental Treaties and Resource Indicators \(ENTRI\) \(CIESIN\)](#)

The Consortium for International Earth Science Information Network (CIESIN) maintains this site which includes data on countries. You can select from a series of questions to get detailed data related to the values of national resource indicators for one or more country. Broad topics include: Conservation of Biodiversity, Deforestation, Desertification and Drought, Global Climate Change, Oceans, Population, Stratospheric Ozone Depletion, Trade and the Environment, and Transboundary Air Pollution.

[PovertyNet: Data on Poverty \(World Bank\)](#)

This page provides information on recent trends in poverty indicators and links to sources of data on poverty. The following pages are common to the Poverty Analysis, Poverty Monitoring, and Impact Evaluation sites: [Data on Poverty and Inequality](#): A guide to current poverty trends and key poverty indicators that monitor various dimensions of poverty, including consumption/income, health and education indicators; [Types of Data](#): Reviews the different aggregation levels and collecting agencies and examines different types of data sources; [Accessing Surveys](#): A guide to a number of data initiatives that have been launched in recent years to improve the availability and quality of household data collected for policy design and analysis, poverty monitoring, and program evaluation; [Tools](#): A collection of tools to estimate poverty and inequality measures, compare them over time, decompose them and their changes, and analyze the distributional patterns of growth. These include POVCAL, PovcalNet, DAD, PovSTAT, SimSip Poverty, Poverty Analysis Toolkit, etc.

[The Department of Census & statistics-Sri Lanka](#)

The mission of the DCS is to collect, compile and disseminate relevant, reliable and up-to-date statistical information required to plan a better future for the country and the people of Sri Lanka, to monitor the progress of development and other Socio - economic activities and to measure the impact of various governmental policies on the economy of the country and the living standards of the people. The Department of Census and Statistics (DCS) is the central statistical agency in Sri Lanka, which is responsible for collection, compilation, analysis and dissemination of all statistical data needed for planning, policy formulation and to monitor the progress of various development activities and also to measure the impact of various governmental policies. It is also charged with the function of providing trained professional staff to all government agencies undertaking various statistical activities.



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[Integrated Multidimensional Geo-Spatial Data Warehouse and Web-Based Mountainside Management Platform](#)

by Chinh-Chung Kao, Yu-Sheng Lin, Chung-Chi Chang, Oliver Jecker, Tien-Yin Chou, Mei-Shin Chen. The purpose of this study is to integrate and enhance the results that the Soil and Water Conservation Bureau (SWCB) has been working on for years. In recent decades, SWCB has been putting lots of effort into developing systems to assist management affairs. Several GIS systems and a gigantic geodatabase were built. However, the diverse data sources and unfriendly, user interfaces lead to confusion. The integrated program was revealed including the development of a multidimensional geospatial data warehouse, a Web-based integrated platform, and a mobile system. The warehouse was built to store all the mountainside geo-spatial data. The integrated platform was built to integrate SWCB GIS to improve usability. Multiple devices are capable of accessing the platform through the Internet, from PC-based to mobile devices. The mobile system was developed, using J2ME technology, to ensure the system can be accessed anywhere and anytime. This paper will provide a view of the implementation of the integrated platform and geo-data warehouse.

[Online network analysis from heterogeneous datasets - Case study in London train network](#)

by Dr.Sanphet Chunithipaisan, Chulalongkorn University, Thailand, Mr.Phil James, University of Newcastle upon Tyne, UK, Prof.David Parker, Chulalongkorn University, Bangkok, Thailand. This paper reports research that resolves the issue of data integration from multiple heterogeneous datasets for performing network analysis operations. The current geospatial standards, protocols and technologies are investigated and implemented through the research. The methodologies to solve the creation of network topology on-line for supporting network analysis are suggested and tested. A software system is created with a number of tools to support such system. A scenario of application is tested around the real world dataset of the train network in London (UK).

[Geographic Automata Systems: From the Paradigm to the Urban Modeling Software](#)

by Itzhak Benenson and Vlad Kharbash, Tel Aviv University. The concept of Geographic Automata System (GAS) formalizes an objective-based view of city structure and functioning; OBEUS software implements this view on the operational level. The paper presents the basic components of the latest version of OBEUS, which is based on .NET technology and developed according to OODBMS logic. The paper claims that all urban Cellular Automata and Multi-Agent models they are aware of can be represented as GAS and implemented as OBEUS applications. GAS and OBEUS can thus serve as a universal framework for object-based urban simulations.

[The National-Scale Land Change Detection System in Taiwan](#)

by Chi-Farn Chen, Li-Yu Chang. Because of limited land resources, an efficient land use management system to reach the sustainable development policy has become an urgent call in Taiwan. A long-term project entitled "National Land Use Monitoring Program--The establishment of a land use change detection system" has been jointly conducted by the National Central University and Ministry of Interior since 2001. The main aim of the project is to use remote sensing images to detect land use changes on a national scale. This plan has been put into practice and indeed provides an effective tool for land management.

[Analysis of Soil Erosion Hazard Zone in Farm Land](#)

by Kyung-Tak Kim, Joo-Hun Kim, Yun-Seok Choi, Jung-Sool Park. This paper is aimed at analyzing the soil erosion hazard zone in farm lands. RUSLE was used for the analysis of soil erosion by extracting the respective topography using DEM, Landuse, and Soil map as base map. ArcInfo and ArcView are used for data processing. As a result of the analysis it was determined that most soil erosion occurred in orchard area (i.e., 40.08 ton/ha/year at average). Erosion was classified into 5 classes depending on the calculated soil erosion amount, of which Class V was decided as a soil erosion hazard zone (72.5ha or so) in which 2.4 percent of the entire farm land was assessed as erosion hazard zone.

[Bringing forests-and-people science to young researchers: An impact assessment study of capacity building](#)

Collaboration is often viewed as a 'good thing', so most international organizations actively promote research partnerships. Often, the challenges faced by academic departments and research institutions when trying to measure the impact of working with partners are: how best should the impact of a research partnership be assessed, and what factors hinder effective collaboration among partners? For the Center for International Forestry Research (CIFOR), undertaking research in collaboration with partners remains a key principle in seeking to influence policies and public opinion. Based on data from 200 research partners from 38 countries, this study examines the role of CIFOR's collaborative research, from the partners' viewpoint. The study attempts to outline how networking, capacity building and acting as an intermediary among partners can have beneficial outcomes for (or impacts on) those partners. The responses from partners show that they perceive collaborative research on forests and people as being successful. They attribute this to



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strong and strategic vision, and shared leadership that purposely seeks to create collaborative advantage. The study concludes that collaborative research plays a crucial role in establishing networks and thereby helps to achieve wider dissemination of research findings and their implications.

[31st International Symposium on Remote Sensing of Environment Proceedings](#)

Held in St. Petersburg, Russian Federation, on June 20-24, 2005, the proceedings contain papers and/or abstracts that can be accessed online. The focus of this [conference](#) was Global Monitoring for Sustainability and Security. It was hosted by International Society for Photogrammetry and Remote Sensing, International Centre for Remote Sensing of Environment, Nansen International Environmental and Remote Sensing Centre, Russian Federal Space Agency and St. Petersburg University. Papers and abstracts are available online listed by [author](#) or [theme](#)

[Applications of GIS and RS for Land Use Dynamics Monitoring in the Rim Zone of North China](#), by Zhihao Qin, Bin Xu, Jia Liu and Wanchang Zhang, China. The ecological degradation and desertification are the core issues in the concerns from both inside and outside China. The objective of this study is to monitor the land use changes in last twenty years in the rim zone. Emphases were given to the changes of farmland for cropping and grassland for herd grazing. By focusing on the two important land use patterns, it is intended to find out the impacts of local economic activities through crop farming and herd grazing on the landscape ecosystem dynamics in the rim zone. Integrating GIS with RS techniques, the land use dynamics of the zone is analyzed. The results showed that intensive anthropogenic activities had been driving the landscape ecosystem in the zone to change dramatically in the recent decades.

[Use of GIS and 3D visualization to investigate radon problem in ground water](#), Royal Institute of Technology. Radon is radioactive and its origin in groundwater is principally linked to the content of its parent element, uranium or radium in bedrocks. However, an on-going research at the Department of Land and Water Resources Engineering shows that a number of factors other than bedrock may potentially influence the radon concentration in groundwater. These factors include: steepness of the terrain, soil type, distribution of uranium and the effect of fracture zone. This article presents an application of GIS and 3D visualization to explore the radon problem in groundwater. After a GIS pre-processing, 3D visualizations of the thematic data were produced in order to see if the visual approach would be useful to preliminarily identify possible relationships between the high concentration of radon and other parameters.

[Trends in Geopositioning for LBS, Navigation and Mapping](#), University of New South Wales

During the last 10 years advances in signal processing, receiver design and the development of various "assistance", techniques have resulted in GPS now being able to be used inside buildings with varying degrees of success. Although the accuracy is not as high as in the "open air", GPS signal availability does mean that this technology can be considered a candidate for integration within mobilephones, to address emergency response requirements or consumer applications such as location-based services (LBS). Modernized GPS and the new Galileo Global Navigation Satellite System (GNSS) will enhance satellite-based positioning even further. GNSS is not the only wave-based positioning technology being proposed for indoor applications. Recent research in the use of terrestrial RF signals (including "pseudolites") shows promise that they could be used on their own, or as an augmentation to GNSS, in "hot spot" deployments. In addition, positioning via mobilephone signals themselves, or other wireless communications technologies such as WLAN and Bluetooth, is also possible. These may use range-like measurements or received signal strength, or positioning may be based on the proximity or "cell" mode. The latter mode is also used in RFID systems. Finally, a very promising non-RF solution is based on inertial technology. This paper reviews the various available technologies and comments on their suitability for LBS, navigation and traditional mapping/surveying applications.

[User-Centered Design and Development of a Mobile Map Service](#), Finnish Geodetic Institute

User-Centered Design (UCD) is being taken into account increasingly in product design. This also applies to Information Society Technology (IST) EU projects, which emphasize a usability approach throughout the whole life span of the projects. The research presented here was carried out over three years in the EU-funded project called "GiMoDig". The practical outcome of the projects was a prototype of a spatial data service for mobile users, which provides access to the primary national geo-databases. The need to consider usability issues during product design was one of the main concerns in the project. The evaluations started from the beginning of the project and lasted until the end. In this paper the iterative UCD approach is



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explained through the experiences with the project. Finally, a discussion is held on how to integrate usability issues into map applications, especially in a mobile map context.

Training Opportunities

[Advanced Use of Remote Sensing in Water Resource Management, Irrigation and Drainage](#), 13 weeks from 27 March 2006. Enschede, The Netherlands. The purpose of this advanced course is to prepare participants for applying advanced remote sensing techniques to water resources management and food security. This course is designed for organisations and individuals involved in water resources, agricultural management, irrigation engineering, hydrology, civil engineering, (agro)meteorology and physical geography, and for individuals with a science and engineering background (BSc or MSc level), preferably with some years of professional experience in applied research into water resources, ecosystems and food security. Applicants should have Good background in hydrology or agrometeorology and good mathematical skills; Exposure to GIS-remote sensing packages (with knowledge of ERDAS, ENVI and/or ILWIS). The course fee is Euro 2,500. Deadline for applications: 27 January 2006.

[Management of Rural Poverty Alleviation Projects](#), 1-26 May 2006. Pathum Thani, Thailand
To enhance the participants' competencies in designing, developing and managing development projects using systematic and analytical approaches that integrate socio-economic, environmental and good governance contexts. Special Emphasis is given to poverty alleviation or pro-poor growth development projects/programs both in rural and urban areas. This course is for Development Planners/officers, extension officers, project/program managers or officers, NGO personnel. The course consists of: Current Poverty Alleviation Principles and Strategies; Management Development Tools and Techniques; Capacity Building, Participation and Partnership; Study Visits; Management Development Workshop. Participants in AIT Extension training courses are usually mid-career and senior level professionals with at least two years' relevant work experience. Participants will normally have a university degree, work experience, and a good command of English language. The course fee is US\$ 3000. Deadline for applications: 6 weeks before the starting date.

[DRM-Damage and Reconstruction Needs Assessment webcourse](#), 29 May-6 June 2006. Nationwide, India. In order to expand the capacity of national and local institutions to cope with disasters, the Urban and City Management Program (UCMP) of the World Bank Institute in collaboration with the World Bank's Hazard Management Unit has developed a five course on-line program in disaster risk management. The program has an introductory and four specialization courses. This course addresses issues of assessing damages and losses post-disaster for disaster recovery and rehabilitation. The course is offered in collaboration with Environmental Planning Collaborative for participants from India. No Fees. No deadline given.

[First Regional Training Course on Exercise Management](#), 20-24 March 2006. Bangkok, Thailand
Exercise Management course is initiated to provide emergency and disaster management organizations with tools and processes to evaluate the status and validity of their plans, organizational relationships, capabilities and strategies in managing emergencies and disasters. It will also assist participants to develop the skills to design, manage and evaluate activities that exercise the elements of emergency management. The course content includes: Overview of Exercise Management; Analyze needs for exercises and specific information; Writing a purpose and objectives of the exercise; Exercise Design and Development; Follow-up after the exercise. The participants will be those who are involved or have the potential to be involved with the design, development and conduct of emergency and disaster management exercises at national, provincial and community levels. The course fee is USD 1,600 per participants, which covers the cost of course materials (books, CD, handouts), all meals including the morning and afternoon tea, and accommodation. Early Bird Discounts: payment before 31 December 2005.

[First Regional Training Course on Skills for Effective Trainers](#), 10-14 April 2006. Bangkok, Thailand
The purpose of this course is to provide the participants with training methodologies and specific personal skills that will assist them in developing and delivering effective training. The course is designed to enable the participants, specifically those working in research, teaching, management, development and donor agencies, to effectively develop, present and manage training programs. The course content include: Information and instructing techniques; Information and instruction; communication and platform skills; Communication barriers; How to make a presentation; Planning a lesson; Use of communicative visuals; Audio visual equipments and its use in training; Methods of instruction; Facilities and course coordination;



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Class room management; Testing and evaluation. The course fee is USD 1,000 per participant, which includes the cost of course materials (books, CD, handouts) and morning and afternoon tea. Interested persons can apply directly but preference is given to those nominated by their employer organizations / departments. Early Bird Discounts: payment before 31 January 2006.

Training Resources

A growing set of remote sensing training materials are being developed and archived by the CBC. These materials are a good resource for self-study and to train others in the use of remote sensing techniques. The overarching goal is to make these data and tools accessible so just about anyone can use them to learn more about the Earth around them at a local or global scale. These training materials have been organized by the following themes: [Tutorials](#) — Tutorials using open source software are provided as well as the required data. These tutorials will be used to illustrate many of the concepts discussed in the guides posted on this site; [CBC Presentations](#) — Materials from CBC presentations are available for download. These include PowerPoint presentations and posters; [Workshop material](#)— Materials from CBC sponsored training are available for download; [Quick-start guides](#) — Quick-start guides are geared to provide simple to follow instructions for using popular commercial software and for understanding some basic remote sensing concepts. [CBC workshop information](#) — Information about the workshops given at the Southwestern Research Station in southeastern Arizona; [Other training opportunities](#) — Information about non-CBC remote sensing workshops and other training opportunities.

[Vietnam Crop Information System International Seminar](#), 15 December 2005, Army Hotel, Hanoi, Vietnam. This seminar will introduce results of EU Geo-spatial techniques applied to the Vietnam, Laos, and Cambodia context, for agricultural statistics, crop inventory and monitoring, production forecast, crop potential and quality. The seminar will focus on the most recent results and technical findings on the following topics: Vegetation and Crop monitoring using Remote Sensing technologies (Vietnam, Laos, Cambodia); Ag-Information system for local management and quality improvement of Tea production in Daitu District (Thai Nguyen Province); Dedicated Coffee Information System Implemented in the Daklak province to capture and monitor the planted acreage evolution and to better forecast production. In the context of WTO integration, EU PIP -EUREP-GAP programs and globalisation of Agrifood exchanges, the need for reliable and updated information is mandatory to monitor, analyze and report trends and define better development policies for Agriculture. In addition, the new quality norms and the traceability issues required in several sector are to be considered as by-products of Ag-Information system. In the light of these new challenges facing the Ag- Sector, this seminar will bring fruitful experiences and valuable networking for you and your organisation. Contact: ak@airects.net

[37th Summer Seminar on Population](#), 30 May-29 June 2006. Honolulu, Hawaii

The Seminar is comprised of three individual workshops but will include common activities providing ample opportunity for professional interaction among all participants. The Seminar features workshops on three topics: [From Analysis to Action: Advocating for Effective HIV Responses \(.pdf\)](#), [Livable Cities in Pacific Asia: Research Methods for Policy Analysis \(.pdf\)](#), [Communicating with Policymakers about Population and Health \(.pdf\)](#).

Funding Opportunities, Awards, Support

[Fellowships in Contemporary Asia-Pacific Studies for Junior Scholars](#)

The Walter H. Shorenstein Asia-Pacific Research Center announces its fellowship program for the 2005-2006 academic year. Awards will be made to two junior scholars (recent Ph.D.s must have degree conferral by August 30, 2006) for research and writing on Asia. The primary focus of the program is contemporary political, economic, or social change in the Asia-Pacific region (including Northeast, Southeast, and South Asia), or topics in international relations and international political economy. Fellows will be expected to be in residence for at least three academic quarters, beginning in the fall quarter of the 2006 academic year. Fellows take part in Center activities throughout the academic year, and are required to present their research findings in Center seminars. Fellows also participate in the Center's publication program. The Fellowship carries a stipend of \$40,000. Deadline for receipt of all materials: 16 December 2005.



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[UNESCO / Keizo Obuchi Fellowships](#)

UNESCO invites young postgraduate researchers in developing countries with a master's degree (or equivalent) to apply for fellowships, each worth US\$6,000 to US\$10,000, through the UNESCO / Keizo Obuchi Research Fellowship Programme. The programme offers a total of 20 fellowships to researchers active in one of four fields: the environment, inter-cultural dialogue, information and communication technology, and peaceful conflict resolution. Researchers under 40 years of age may submit their applications to their country's National Commission for UNESCO, which will select a maximum of two candidates. A special selection committee of experts in the four research fields concerned will review the applications in order to make proposals to the director-general. Deadline for applications: 13 January 2006.

[EPSRC Geographical Grants](#)

As a new joint initiative with the Engineering and Physical Sciences Research Council (EPSRC) the Royal Geographical Society (with IBG) announces the availability of grants of up to £3,000 for individual researchers working in a UK institution at a post-doctoral level on topics related to work with the EPSRC. These topics include in broad terms: 21st Century infrastructure; sustainable urban environment; the social issues related to transport; inclusiveness of the urban environment; impacts of climate change and flooding reduction. Such grants are to assist with travel, maintenance, data collection and temporary research assistance costs of a geographical research project. Applicants are normally expected to hold a PhD. Preference is given to applications submitted within 10 years of applicants starting their PhD. Grants are available to individuals only, and one application is accepted per individual per annum. Postgraduate research, conferences and conference attendance will not be funded. Equipment and replacement wages will not be funded. Application deadline: 31 December 2005.

[Small Research Grants](#)

Grants of up to £3,000 (smaller amounts will be considered) are available to individual researchers working in a UK institution at a post-doctoral level to assist with travel, maintenance, data collection and temporary research assistance costs of a geographical research project. The scheme is designed to assist with individual researchers desk or field-based research. Some preference will be given to grants that are largely pump-priming, preparatory to larger grant applications. Applications are particularly welcomed from those early in their research careers. Preference is given to research projects carried out by individuals, which have clear, independent outcomes. Applicants must be a Fellow or Associate Fellow of the Society. Applicants are normally expected to hold a PhD. Preference is given to applications submitted within 10 years of applicants starting their PhD. Closing date: 31 December 2005.

[Strengthening Capacity for Research on Sustainable Sanitation and Grey-Water Reuse in Developing countries](#)

This initiative aims at strengthening scientific capacity in the fields of sustainable sanitation and grey-water reuse in developing countries. The overall purpose is to improve the livelihood of poor people and the project will generate new knowledge relevant for a deepened understanding of cross-cutting biological, chemical, technical and socio-economic factors that are necessary for development of technology for sustainable sanitation and grey-water reuse. IFS (International Foundation for Science) invites research grant applications containing high-quality research proposals. Research grants are awarded up to a maximum value of USD 12,000 for a period of one to three years. The grants, which can be renewed twice, are intended for the purchase of scientific equipment, expandable supply and literature, to arrange field activities, etc. The grant does not include a salary. Grantees are supposed to be salaried by, or have a stipend from, the organization where the research will be conducted. Two types of support are provided, individual grants and team grants. This special initiative is generously funded through a grant from the Swedish International Development Cooperation Agency (Sida) and the initiative will be implemented in collaboration with the Stockholm Environment Institute (SEI). Application Deadline: 31 December 2005.

[Commonwealth Academic Fellowships](#)

CSFP (Commonwealth Scholarships and Fellowships Plan) Commonwealth Fellowships are open to Commonwealth citizens, permanently resident in a Commonwealth country other than the UK, holding or returning to a teaching appointment in a university in the developing Commonwealth. Candidates should hold a doctorate (or other postgraduate qualifications accepted as sufficient for the career he/she is following). Candidates must have completed their doctorate no less than five years from the date of taking up the Fellowship. Candidates should have at least two years experience as a staff member of university or similar institution in their home country. Closing date: 31 December 2005.



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[Nehru Trust for the Indian Collections at the Victoria and Albert Museum](#)

In collaboration with the Charles Wallace (India) Trust, the Nehru Trust for the Indian Collections at the Victoria and Albert Museum proposes to award two fellowships for further professional training, study, education or research to citizens of India at an early stage of their professional career who are normally employed by museums, galleries, or other specified institutions concerned with the preservation, study and display of India's art and cultural heritage. The fellowship will be tenable at the Victoria and Albert Museum or associated institutions in the United Kingdom normally for a period of three months, in the period April 2006 to March 2007, and will provide a maintenance allowance adequate for a single person and return air fare from and to India. Deadline for applications: 15 December 2005.

[Invitation to compete for the 2006 FIG Congress Prize](#)

The Council of the International Federation of Surveyors (FIG) has decided to offer a FIG Congress Prize to young members of FIG member associations at the XXIII Inter-national FIG Congress in Munich. The value of the prize will be 1,500 Euro, together with complimentary registration and accommodation at the congress hotel from October 8th to 13th and a return airfare to and from Munich (economy class up to costs of at most 750 Euro). Eligible to compete for the prize are members of FIG member associations who have not reached the age of 36 by December 31st, 2006. The world is witnessing an increasing rate of change. The Congress theme is "Shaping the Change". Any paper submitted must relate to a surveying subject consistent with that theme. For more details please have a look at our web site under "Themes and Topics" (<http://www.fig2006.de/e/themes.htm>). Deadline for papers: 15 July 2006.

[Singapore Millennium Foundation \(SMF\) Scholarships](#)

The SMF scholarships are highly prestigious awards that do not come with any bond. The scholarships are open to all nationalities, and are awarded to only the most dynamic and promising postgraduate candidates to support them in their journey of discovery and achievement. The SMF expects that its scholars' proposed research projects will have a high potential of impact on R&D in their respective fields, and that their lifelong careers will be marked by significant contributions to research, teaching and/or industrial applications. The fields of research supported by the Foundation are: Environmental Science, Renewable Resources & Water; Engineering; Physical & Materials Science; Life Sciences. Applicants should have an excellent academic track record. Prior research experience and publications in peer-reviewed international journals will be advantageous. Applicants must gain acceptance to the National University of Singapore, Nanyang Technological University or any Singapore-based research institutions before they can be considered for the SMF Scholarships. Successful applicants must not concurrently hold any other scholarships. Applications will be opened throughout the year.

[POSCO Visiting Fellowship Program 2006/2007](#)

The POSCO Visiting Fellowship Program, endowed by [POSCO](#), invites outstanding scholars and policy makers, principally from North America and also from Australia, New Zealand, and European countries, to engage in policy-relevant research on political, security, and economic issues in Northeast Asia, including Korea. During the year 1 March 2006 through 28 February 2007, the East-West Center proposes to invite seven visiting fellows. These fellows will spend one or two months each carrying out policy-related research on issues regarding Northeast Asia that are of common concern -- such as globalization, economic regionalism, economic restructuring, political change, and the changing East Asian security environment, including the Korean Peninsula. In particular, the Year 2006 POSCO Fellowship Program is intended to generate constructive and informative research on four important issues: the [development of South-North Korean relations and their implications](#); [the regional political and security order](#); [economic and political change and development](#); and [Northeast Asian economic cooperation](#). Deadline for applications: 31 December 2005.

[IASSIST Strategic Plan Publication Award](#)

IASSIST (International association for Social Science Information Service and Technology) seeks papers that address one or more of the issues, principles, and strategies for engagement in the following subject areas: IASSIST-related Educational Initiatives; Professional Development and Educational Opportunities of interest to IASSIST members; Educational outreach to research communities, including and beyond the social sciences, to promote data preservation and access. Papers should include recommendations for action or suggestions of specific projects that can be undertaken (or are underway) to further the education goals of IASSIST. Prospective submitters may wish to review the discussion on the IASSIST blog about the



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educational issues arising under the topic of the Accidental Data Librarian (available at <http://iassistblog.org/?cat=5>). Deadline for applications: 10 January 2006.

[Research Grants from the Smithsonian Tropical Research Institute](#)

The Smithsonian Tropical Research Institute invites requests for subsidies for predoctoral, postdoctoral and senior postdoctoral fellowships for research in, amongst other things, the following areas: Animal behaviour, ecology and environmental sciences with an emphasis on the tropics; Anthropology, including archeology; Earth sciences and paleobiology. Deadline for applications: 15 January 2006.

[United States-South Pacific Islands Scholarship Program](#)

The United States - South Pacific Islands Scholarship Program, funded by the [Bureau of Educational and Cultural Affairs](#) of the U.S. Department of State, is a competitive, merit-based scholarship program that provides opportunities for degree study at U.S. institutions of higher learning. Candidates from the following countries, who meet specific selection criteria, are eligible for the program: Cook Islands, Fiji, Kiribati, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, and Vanuatu. Deadline for applications: 1 February 2006.

[Invitation to compete for the 2006 FIG Congress Prize](#)

The Council of the International Federation of Surveyors (FIG) has decided to offer a FIG Congress Prize to young members of FIG member associations at the XXIII Inter-national FIG Congress in Munich. The value of the prize will be 1,500 Euro, together with complimentary registration and accommodation at the congress hotel from October 8th to 13th and a return airfare to and from Munich (economy class up to costs of at most 750 Euro). Eligible to compete for the prize are members of FIG member associations who have not reached the age of 36 by December 31st, 2006. The Congress theme is "Shaping the Change". The congress will gather experts from around the globe to discuss the challenges posed by these changes and to consider how surveyors can help to mitigate the impacts on society and the general public. Any paper submitted must relate to a surveying subject consistent with that theme. For more details please have a look at the web site under "Themes and Topics" (<http://www.fig2006.de/e/themes.htm>). The successful candidate will be invited by the President of FIG to attend the Congress. The prize will be presented during the opening ceremony. Deadline for applications: 15 July 2006.

Employment Opportunities

[Temporary Employment Register for Corporate Finance Branch](#), Canberra, Australia

CSIRO (Australia's Commonwealth Scientific and Industrial Research Organisation) seeking applications from energetic, ambitious students who would like to be placed on the Temporary Employment Register for the Corporate Finance Office. CSIRO offers excellent work experience for students looking for short term employment in the Finance Accounting Group. If required, flexible working hours are available for current students to attend lectures. Open to Australian Residents Only. Deadline for applications: 12 December 2005.

[Associate Professor/Professor Ocean modelling](#), Canberra, Australia

Australian National University wishes to appoint an internationally recognised leader in the field of ocean modelling at the Professorial (E1 or E2) or Associate Professor (D) level. This position will be held jointly in the Research School of Earth Sciences (Earth Physics group) and the Faculty of Science. This key position forms part of a new initiative in the marine sciences at ANU, focusing on the Southern Hemisphere oceans, and will complement and strengthen existing world-leading programs in geophysical fluid dynamics, palaeo-oceanography and climatology. The appointee will have a strong background in general circulation modelling of the oceans or coupled ocean-atmosphere, and will have an interest in using palaeoclimate data for the validation of models. The appointee will have both research and teaching responsibilities, and the appointee will act as the Marine Science Co-ordinator. An associated level A/B position is also available to be filled in consultation with the successful appointee. Closing Date: 9 December 2005.

[Assistant/Associate Professor in Geodesy](#), Calgary, Canada

The Department of Geomatics Engineering, in the Schulich School of Engineering at the University of Calgary, invites applications for the position of Assistant or Associate Professor (tenure track) in Geodesy, effective July 1, 2006. Applicants at the Assistant Professor level should have at least two years of post-



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doctoral, industrial, or equivalent experience to be considered. A PhD in science or engineering is required. Demonstrated expertise in geodesy is required. Research expertise in one or more of the following areas is desirable: satellite geodesy, satellite altimetry, airborne and space borne gravimetry and gradiometry, satellite oceanography, reference frames, geodynamics, potential field modeling, geodetic applications of InSAR, and advanced estimation and optimization methods. The position is expected to interface with all related disciplines of geomatics engineering and will conduct both teaching and research in geodesy and related areas. The applicant is expected to develop a strong research program and should be capable of attracting external funding for these research activities and graduate student support. Closing date: 15 December 2005.

Director General, Honiara, Solomon Islands

The Pacific Islands Forum Fisheries Agency (FFA) is a regional organisation established to co-ordinate regional fisheries policies and to promote the development of tuna resources to ensure that maximum benefits are achieved by its members from their tuna fisheries. FFA has a membership of sixteen South Pacific countries and one territory and currently employs approximately 52 staff with its head office in Honiara, Solomon Islands. The total proposed Agency budget for 2005 is approximately US \$ 7 million. Applications are invited for the position of Director-General from nationals of FFA member countries and territory. Applicants must receive the endorsement of their Government. The Director-General is responsible directly to the Pacific Islands Forum Fisheries Committee (FFC) for the high level management, direction, administration, control and efficient operation of the Agency. Applicants are required to have a proven record of achievement that demonstrates their ability to successfully undertake the above role and also substantial and successful relevant experience in a multi-discipline environment. Applicants should possess a demonstrated understanding of the social, economic and political aspirations of Pacific Islands peoples and proven ability to liaise with member and supporting Governments and organisations. A tertiary academic qualification in a relevant discipline is required. Closing date: 25 January 2006.

Assistant/Associate Professor Remote Sensing and Geographic Information Systems FOS,

Pathumthani, Thailand. The Remote Sensing and Geographic Information Systems Field of Study of our School of Advanced Technologies is inviting applications for filling up a new position at Assistant/Associate Professor level. The position is for a full-time faculty with the following responsibilities: To teach, guide and supervise student research at the Masters and Ph.D. level; To undertake research and contract project individually or in collaboration with other faculty members; To develop and conduct short courses and other training activities within the framework of RS&GIS outreach activities; To contribute to academic administration and the organizing of activities such as seminars, conferences, etc. The applicant must possess the following qualifications and experience: Ph.D. degree in remote sensing, geographic information systems, geoinformatics (geomatics) or other related fields; Considerable teaching and research experience in remote sensing, GIS, geoinformatics (geomatics) or other related fields of at least three years, preferably at post-graduate level at a reputable educational institution. Related professional working experience in the public or private sector would be an added advantage; Excellent record of publications in journals, research works, books, conferences, etc. Deadline for applications: 31 December 2005.

Director General Search, Bogor, Indonesia

CIFOR is seeking a dynamic and visionary leader to be its next Director General, starting in August 2006. CIFOR has a leading role to play through providing research-based information and advice on improved forestry practices, effective policies, sound governance and better institutions. CIFOR is a unique international center 'without walls', dedicated to working through partnerships at local, national, regional and international levels. You will: provide vision, executive leadership and scientific achievement; manage a decentralized, global, multi-cultural and multi-disciplinary organization; be expected to have excellent represent CIFOR and build trust and confidence with partners and donors; resource mobilization skills; have outstanding communication skills. Closing date: 15 January 2006.

Information Management Officer, Rome, Italy

Under the overall supervision of the Chief, WAICENT/Information Dissemination Management Branch (GILW), will participate in the development and implementation of Web publishing activities. In particular will: design, develop and maintain websites for FAO Interdisciplinary Activities; act as a focal point for Priority Areas for Interdisciplinary Action (PAIA) Secretariats and ensure that their needs for dissemination of information on the Internet are adequately addressed; participate in the design, development and support of an integrated multilingual publishing environment and assist in implementing improved workflow procedures



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for web publishing in the Organization following the Organization's standards and guidelines. Candidates should meet the following: University Degree in Agricultural, Political or Social Sciences, Communication, Journalism, or in a technical field related to Information; Three years of relevant experience in Web publishing, information management and hypermedia applications; Working knowledge of English, French or Spanish and limited knowledge of one of the other two. Closing date: 6 January 2006.

Technical Officer, Canberra, Australia

The Geophysical Network collects synoptic data from national networks of field stations in support of GA's Earthquake, Nuclear Monitoring and Geomagnetic activities. Project staff develop and maintain the networks and remote communications and maintain the relevant corporate databases. An enthusiastic Electronics Technician is required to join the Geoscience Australia Earth Monitoring group (GEM) Geophysical Network. The successful applicant will work as part of a team and focus on the development and maintenance of the various data acquisition networks and communications infrastructure and work with clients on matters relating to this equipment. The occupant will, under general guidance, install and maintain earthquake and other geophysical monitoring equipment, power systems and the associated digital communications links and advise clients on all matters relating to this equipment. The successful applicant will have a degree, diploma or certificate in electronics with strongly developed analytical skills. Experience with remote geophysical and/or PC based equipment and digital communications systems will be an advantage. Closing Date: 16 December 2006.

Postdoctoral Research Scientist/Remote Sensing of Forest & Land Cover Change, University of Wisconsin. Department of Forest Ecology and Management seeks a post-doctoral associate who will collaborate on research examining the impacts of forest disturbance and land cover change on watershed dynamics using remote sensing and ground-based data. Image-derived estimates of disturbance from multiple data sources (including Landsat ETM+, SPOT, aerial photography, AVIRIS, EO-1 and MODIS) will be integrated with field- and/or lab-derived stream and ecosystem measures to estimate disturbance effects at primary study sites in the Appalachian Mountains and Ukrainian Carpathians. This work is part of a larger ongoing effort studying the effects of disturbance on stream hydrology and forest ecosystems at annual and decadal scales. Qualifications: a Ph.D. in geography, forest ecology, environmental science or a related discipline, with significant experience in the interpretation and analysis of remote sensing imagery using common or custom image processing and/or statistics software (e.g. Erdas Imagine, ENVI, SAS, S-plus, R). Programming experience (e.g., IDL) and strong quantitative skills are preferred. Closing date: until a suitable candidate is identified.

Research Fellow in Civil and Environmental Engineering, Sydney, Australia

The School of Civil and Environmental Engineering is seeking a Research Fellow with experience in the areas of groundwater geochemistry, groundwater geophysics and groundwater modelling to work on the Cotton Catchment Community CRC program to investigate surface water and groundwater interconnectivity on the Namoi River in northern New South Wales. The position involves designing field data collection programs, collecting the data and working on the interpretation and reporting of the data. The position is for 6 years and will be based at the Water Research Laboratory in Manly Vale. The successful candidate will join an existing team equipped with extensive field and laboratory equipment. Qualifications: a PhD in Groundwater Hydrochemistry and/or hydrogeology; ability to work unsupervised under field conditions; proven ability to use PHREEQC; experience with hydrogeological, geophysical and hydrochemical field studies and surveys and interpretation; drivers licence; demonstrated strong ability in research reporting, time management and problem solving; strong interpersonal skills. Closing date: 19 December 2006.

Director General, Honiara, Solomon Islands

Applications are invited for the position of Director-General from nationals of FFA (Pacific Islands Forum Fisheries Agency) member countries and territory. Applicants must receive the endorsement of their Government. The Director-General is responsible directly to the Pacific Islands Forum Fisheries Committee (FFC) for the high level management, direction, administration, control and efficient operation of the Agency. Applicants are required to have a proven record of achievement that demonstrates their ability to successfully undertake the above role and also substantial and successful relevant experience in a multi-discipline environment. Applicants should possess a demonstrated understanding of the social, economic and political aspirations of Pacific Islands peoples and proven ability to liaise with member and supporting Governments and organisations. A tertiary academic qualification in a relevant discipline is required. Closing date: 25 January 2006.



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[Logistics Manager](#), Indonesia

The International Rescue Committee currently seeks a Logistics Manager for its Indonesia Program. The Calang/Teunom-based Logistics Manager will provide oversight and leadership for the development, coordination, monitoring, and evaluation of the implementation of all logistical activities in Calang. The position is supervised by the Field Coordinator with technical support and oversight from the Senior Logistics Coordinator in Banda Aceh. Logistics Qualifications or Bachelor degree preferred; appropriate directly relevant practical experience will be considered. 2+ years managing logistics for emergency/rehabilitation operations in international settings. Strong computer literacy including MS Office applications. Closing date: 28 February 2006.

[Assistant/Associate Professor in Geodesy](#), University of Calgary, Canada

The Department of Geomatics Engineering, in the Schulich School of Engineering at the University of Calgary, invites applications for the position of Assistant or Associate Professor (tenure track) in Geodesy, effective July 1, 2006. Applicants at the Assistant Professor level should have at least two years of post-doctoral, industrial, or equivalent experience to be considered. A PhD in science or engineering is required. Demonstrated expertise in geodesy is required. Research expertise in one or more of the following areas is desirable: satellite geodesy, satellite altimetry, airborne and space borne gravimetry and gradiometry, satellite oceanography, reference frames, geodynamics, potential field modeling, geodetic applications of InSAR, and advanced estimation and optimization methods. The position is expected to interface with all related disciplines of geomatics engineering and will conduct both teaching and research in geodesy and related areas. The selected candidate must also have the capability and the flexibility to teach undergraduate fundamental engineering courses and is expected to register as a Professional Engineer or Geoscientist in the Province of Alberta. Closing date: 15 December 2005.

Other

[Recycling Geospatial Information in Emergency Situations: OGC Standards Play an Important Role, but More Work is Needed](#)

Recent natural disasters in the US, the Caribbean and Asia have shown what we already knew in theory: there is an enormous amount of geospatial data of all kinds and formats, but it is often hard to find the right data at the right moment by the people who need the information for rescue work and recovery operations. This article, by Marian de Vries of Delft University of Technology, discusses how some of the standards now available from the OGC are helpful in getting at this challenge, and where work needs to still be done. [Source: Direction Magazine]

[GEOSS](#)

Much of the Japanese contribution to international remote sensing will be channelled through the Global Earth Observation System of Systems. GEOSS will be a permanent, world-wide, real-time Earth monitoring system. Kaoru Mamiya, the vice president of JAXA, the Japanese Space Agency, said in a keynote presentation to the Asian Conference on Remote Sensing in Ha Noi 7 November that GEOSS will be a front line defence against natural disasters, as well as making an important contribution to measuring the impact of climate change. Part of the system will consist of space-based earth observation. In the Japanese case, this will be the ALOS satellite. Mamiya said significant progress had already been made in organising mini-pilot projects in Japan, Sri-Lanka, the Phillipines and Nepal, using existing JAXA data. These have been organised in co-operation with the Asian Institute of Technology. [Source: Asian Surveying & Mapping]

[Accurate Positions in China](#)

Local surveying authorities are to establish wide area differential networks to underpin centimetre-level positioning in six of China's fastest growing regions. New networks will be established in Kuming, Shanghai, Wuhan, DongGuan, Tianjin and Beijing. The new installations follow the Shenzhen and Chengdu networks already implemented. All these networks will use Trimble VRS (Virtual Reference Station) technology. This is a network of differential base stations that provide corrections to mobile GPS receivers over a wide area. The network in Kunming is being implemented by Leica Geosystems, which is using its GPS reference station technology and GPS SpiderNET software to cover about a 6000 km² area. Leica says the average real-time dynamic positioning accuracy is 2.1cm in horizontal and 4.6cm in vertical and the effective GPS RTK baseline is at least 53km. Users can access the real-time network RTK correction data via GSM connection



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anytime anywhere. The system can also provide multiple accuracy level positioning services for different application needs. [Source: Asian Surveying & Mapping]

Conferences, Events

Items newly added to this listing of events since the last SDI-AP issue are marked ***NEW***

Date	Location	Event
December 2005		
1-2 December	Bangkok, Thailand	First International Symposium on Health GIS Main sub-themes of the symposium are: Health GIS Database; Healthcare Planning and Management; New Emerging Diseases – spatial causes and preparedness; Waterborne Diseases, Vector-borne Diseases; Telemedicine. Contact: healthgis@j-geoinfo.net
5-6 December	Washington DC, USA	GIS in Homeland Security: Interoperable Common Operational Picture The GIS in Homeland Security conference will address innovative management and decision-making applications of geo-spatial data. A focus will be directed at the role of GIS in the development of government agency and services management and homeland security applications. Contact: pgreenstein@marketaccess.org
6-9 December	Mesra, Ranch, India	25th Annual Convention and the National symposium on "Emergence of Geoinformatics for Development- Trends & Opportunities The symposium goal is to provide an opportunity to deliberate on applications of geoinformatics in allied sectors for development and appraisal of trends & opportunities in geoinformatics. Contact: Secretary@isrs2005.org .
8-10 December	Macres, malaysia	ISPRS Workshop On Spatial Planning & Decision Support Systems
12-14 December	Kuwait	Gulf First Urban Planning and Development Conference Abstract deadline: June 30, 2005. Contact: Gulf Urban Planning
12-15 December	Dubai, UAE	Gulf Traffic 2005 The use of GIS in transportation planning is now an essential part of the design and implementation of successful transport networks across the Middle East. There will be a dedicated one-day conference stream on the use of GIS/ Location based services within the field of traffic and transportation. To submit a suggested paper for review and possible inclusion, email Davyd Farrell – davyd.farrell@iirme.com . Gulf Traffic 2005 Brochure .
15-16 December	Lausanne, Switzerland	5th International Workshop on Web and Wireless Geographical Information Systems
18-22 December	Kuwait	International Conference on Industrial Pollution (ICIP 2005) Contact: icip@kisr.edu.kw .
27-31 December	Kuala Lumpur, Malaysia	International Statistics Conference "Statistics in the Technological Age" Deadline for abstracts: September 15, 2005
January 2006		
5-8 January	New York, USA	IPS-USA-2006
12-13 January	Hong Kong, China	First Asia-Pacific Conference for ESRI Users Contact: info@esrichina-hk.com
19-21 January	St. Petersburg, Russia	Seventh Annual Global Development Conference



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23-25 January	Ostrava, Czech Republic	International Symposium: Informatics for Geoinformatics The goal of the symposium is to facilitate discussions between IT and GIT(GIS) researches and practitioners to support knowledge and technology transfer. Contact: www-gis@vsb.cz .
30 January – 1 February	New Delhi, India	Map India 2006 Map India 2006 is a response to the needs of the industry, the government, the research community and every individual's right for geospatial information science and applications. It remains dedicated to the mission of fostering the use and spread of technologies like GIS, GPS, Aerial Photography and Remote Sensing among communities. Deadline for abstracts: <u>10 November 2005</u> .
February 2006		
6-17 February	Kibbutz Ketura, Israel	Integrated Water Resources Management in the Middle East
13-14 February	Denver, U.S.A	International LIDAR Mapping Forum 2006 Originally scheduled to be held in New Orleans, LA., the venue has been moved to Denver as a result of the catastrophic events of hurricane Katrina. Additional information about the venue will be posted to this web site very shortly. Contact: organizer@lidarmap.org .
13-16 February * NEW *	Vienna, Austria	11th International conference on Urban Planning & Regional Development in the Information Society Theme: Sustainable Solutions for the Information Society. Contact: office@corp.at
14-15 February	Vienna, Austria	Workshop 3D Remote Sensing in Forest The workshop will serve as a forum: to demonstrate the potential of the new generation of data; to present new methods of data analysis; to evaluate both benefits and limitations of the new techniques for the forestry community; to discuss future needs. Deadline for abstracts: <u>10 October 2005</u> .
14-16 February	Ankara, Turkey	ISPRS Ankara Workshop 2006 Title: Topographic Mapping from Space with Special Emphasis on Small Satellites. Deadline for abstracts: <u>20 January 2006</u> .
19-22 February	Orlando, Florida	Integrating GIS & CAMA 2006 Conference
20-24 February	Phuket, Thailand	Post-Disaster Assessment and Monitoring of Coastal Ecosystems and Biological and Cultural Diversity in the Indian Ocean and Asian Waters
24-25 February	Cesky Krumlov, Czech Republic	International Map Trade Association (IMTA) Global Conference and Trade Show 2006
March 2006		
2-3 March		1st Workshop of the EARSeL Special Interest Group Urban Remote Sensing Theme-Urban Remote Sensing Challenges & Solutions: Following the increasing significance of urban growth as well as a rising number of urban agglomerations and world-wide mega cities, an expanding scientific community focuses on topics related to urban remote sensing research. Deadline for abstracts: <u>31 October 2005</u> .
9-10 March	Universiti Teknologi Malaysia	Asia GIS 2006 International Conference This international conference is co-organized by the Asia GIS Association (AGISA) and Universiti Teknologi Malaysia. Deadline for abstracts: <u>1 Oct 2005</u> .
16-22 March	Mexico	4th World Water Forum The main theme of the Forum will be "Local actions for a global challenge". A series of regional meetings will be held throughout the preparatory phase in order to identify good practices and learn lessons from shared experiences, as well as to support and encourage local commitments. Guiding principles, main objectives, framework themes and topic sessions available for comments in the concept paper .



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20-23 March	Al Ain, Abu Dhabi, United Arab Emirates	<u>6th International Conference on the Geology of the Middle East</u>
26-29 March	Dubai, UAE	<u>Map Middle East 2006</u> Jointly organized by GIS Development (India), Dubai Municipality (UAE) and CSDMS (India), the conference would embrace on all aspects of addressing 'Geospatial for All and All for Geospatial' in the context of present demands and fast-paced technological changes. Deadline for abstracts: <u>30 December 2005</u> .
27-29 March	Bonn, Germany	<u>The Third International Conference on Early Warning (EWC III)</u> The EWC III, which will bring together a wide variety of governmental and non-governmental actors, scientists and practitioners, aims to stimulate and help to implement concrete early warning projects on all continents to bridge existing gaps. Deadline for abstracts: <u>30 November 2005</u> .
27-29 March	Columbus, Ohio, USA	<u>GIS for Transportation Symposium 2006- Call for Presentations</u> Any person who may have information to share about current proposals and projects concerning GIS in Transportation may propose to present their information at the symposium. Deadline for abstracts: <u>21 October 2005</u> .
28 March-4 April * NEW *	Vienna, Austria	<u>United Nations Group of Experts on Geographic Names (UNGEGN) 23rd Session</u> The Sessions of the United Nations Group of Experts on Geographical Names are convened in three sessions within a period of five years.
29-31 March	Berlin, Germany	<u>Fifth International Symposium-Turkish-German Joint Geodetic Days</u> Symposium Motto is Geodesy and Geoinformation in the Service of our Daily Life: The Fifth International Symposium is a podium to demonstrate recent innovations, scientific and application-oriented results in the areas of Geodesy and Surveying Engineering; Laserscanning; GPS Applications; Photogrammetry; Remote Sensing and Cartography; Geo-Information Technology. Deadline for abstracts: <u>15 January 2006</u> .
30-31 March * NEW *	Zurich, Switzerland	<u>Inter disciplinary workshop on Management of Earthquake Risks</u> , Workshop for researchers and practitioners from all relevant fields of earth sciences, civil engineering and social and human sciences, involved in interdisciplinary projects on management of earthquake risks. Deadline for extended abstracts: <u>1 February 2006</u> .
April 2006		
April * NEW *	Bangkok, Thailand	<u>egov Asia 2006; The Asian e-Government Conference</u> the Asian e-Government conference, aims to provide a knowledge-sharing platform and a forum for policymakers, practitioners, industry leaders and academicians of Asia-Pacific nations to carry forward the e-Government vision of the region and consolidate them into actionable program, through collaborative learning and partnerships. Further details will soon be available at: <u>www.egov.csdms.in/events</u> . Deadline for abstracts: <u>15 January 2006</u> .
3-5 April	San Francisco, U.S.A	<u>Location Intelligence Conference 2006</u> , 3-5 April 2006. The 2006 conference will look to accelerate the understanding about how to "profit" from location technology to turn the plethora of business data into "location intelligence." Call for papers: <u>13 January 2006</u> .
20-22 April	Visegrád, Hungary	<u>9th AGILE International Conference on Geographic Information Science Shaping the future of Geographic Information Science in Europe</u> Contributions will be considered on all GI-related research themes. Deadline for abstracts: <u>15 December 2005</u> .



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23-26 April	Tampa, Florida, USA	GITA's Annual Conference 29 This year's conference theme—No Barriers: Connected. Responsive. Prepared.—reflects the fact that professionals in geospatial technology must respond to growing business needs and prepare for dynamic situations. Contact: info@gita.org
27-29 April	Budapest , Hungary	Workshop on e-Governance, Knowledge Management and e-Learning Educational needs in e-Governance, solutions and trends in knowledge management and knowledge transfer, furthermore educational and training services in e-Learning will be on agenda. Deadline for abstracts: <u>9 January 2006</u> .
May 2006		
1-5 May	Reno, Nevada, U.S.A	ASPRS 2006 Annual Conference This conference, "Prospecting for Geospatial Information Integration," will focus on new capabilities and technologies. The Conference organizers will present an exciting program of interest to professionals in all aspects of remote sensing, geographic information systems, land and natural resources management, environmental management, photogrammetry, lidar and IFSAR, mapping, charting, and geodesy. Contact: doug.ramsey@usu.edu .
7-12 May	Rochester, New York, U.S.A	International Congress of Imaging Science (ICIS) 2006 ICIS '06 will provide a unique forum to discuss the latest developments across a wide range of imaging-related industries and disciplines. Deadline for abstracts: <u>1 November 2005</u> .
7-12 May	New Orleans, Louisiana USA	Intergraph 2006 Conference
8-11 May	Enschede, The Netherlands	The ISPRS Mid-term Symposium for Technical Commission 7 "Thematic Processing, Modelling and Analysis of Remotely Sensed Data", will bring together researchers, professionals, managers and decision makers to discuss the issues and latest trends and developments in remote sensing methodology. Deadline for abstracts: <u>15 December 2005</u> .
15-17 May	Aalborg, Denmark	25th Urban Data Management Symposium 2006 Contact: infoudms@udms.net
22-24 May * NEW *	Baden, Austria	3rd IAG Symposium on Geodesy for Geotechnical and Structural Engineering and 12th FIG Symposium on Deformation Measurements Contact: conf@pop.tuwien.ac.at
25-26 May	Orlando, Florida, USA	ISO/TC 211 22nd Plenary http://www.isotc211.org/
June 2006		
18-21 June	Ottawa, Canada	2006 GeoTec Event The GeoTec Event is the largest geospatial technology event in Canada and a world-leading technical conference in the geospatial technology industry. The conference theme, "Celebrating History and Innovation," marks the one hundredth anniversary of the Atlas of Canada and the twentieth anniversary of the event. Contact: mball@geoplacement.com
19-23 June	Vancouver, Canada	World Urban ForumIII Contact: Lars.Reutersward@unhabitat.org
27-30 June * NEW *	Tokyo, Japan	ISPRS Technical Commission VI Symposium Recognizing the importance of combining the latest e-Learning technology with traditional pedagogy, the International Society for Photogrammetry and Remote Sensing (ISPRS) Commission VI on "Education and Outreach" is organizing an international symposium on "E-Learning and the Next Steps for Education" jointly with the Japan Society for Photogrammetry and Remote Sensing (JSPRS). Deadline for abstracts: <u>31 January 2006</u> .
28-30 June * NEW *	Valenciennes, France	Ninth International Symposium on the 3D Analysis of Human Movement Deadline for abstracts: <u>30 January 2006</u> .



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July 2006		
3-6 July * NEW *	Paris, France	ISPRS Commission 1 Symposium The main objectives of the symposium are : State of the art on sensors, platforms and data acquisition; Main issues for the present and technological developments for the future; Comparison and evaluation of systems, algorithms and methods. Abstracts deadline: <u>February 2005</u> .
2-7 July	Salvador, Brazil	The Seventh International Conference on Teaching Statistics (ICOTS-7) Contact: batanero@ugr.es
10-14 July	Vienna, Austria	GICON 2006 Theme: Geoinformation Connecting Societies. Submission of full paper: <u>9 December 2005</u> .
12-14 July	Vienna, Austria	ISPRS Technical Commission II Symposium This symposium will be held in parallel with the 12 th International Symposium on Spatial Data Handling and the Central European Cartographic Conference under the theme "Geoinformation Connecting Societies. Deadline for papers: <u>9 December 2005</u> .
13-17 July	Wollongong and Sydney, Australia	COAST - GIS 06 - 7th International Symposium on GIS and Computer Cartography for Coastal Zone Management . GIS for the coastal zone: Spatial Data, Modelling and Management; Extending the Spatial Data Infrastructure. Collaboration between the International Cartographic Association's Commission on Marine Cartography and the International Geographical Union's Commission on Coastal Systems
31 July – 4 August	Denver, Colorado, USA	2006 IEEE International Geoscience and Remote Sensing Symposium & 27th Canadian Symposium on Remote Sensing Theme: Remote Sensing – A Natural Global Partnership. Deadline for abstracts: <u>1 December 2005</u> .
August 2006		
7-8 August * NEW *	Kuala Lumpur, Malaysia	3D Geoinfo '06 Workshop The Workshop emphasizes on the third dimension. It is meant to be an interdisciplinary forum for leading researchers to present the latest 3D developments and 3D applications, to discuss cutting-edge 3D technology, to exchange research ideas and to promote international collaboration in this field. Deadline for abstracts: <u>1 April 2006</u> .
7-11 August	San Diego, California	2006 ESRI International User Conference and 4th Survey and GIS Summit ESRI software users are eligible to present papers and give project updates at the ESRI International User Conference. Abstract deadline: <u>2 December 2005</u> .
20-24 August	Taipei, Taiwan	8th International Symposium on Advanced Vehicle Control Deadline for abstracts: <u>1 November 2005</u> .
20-25 August	Santiago, Chile	IFIP World Computer Congress 2006 One of the goals of the International Federation for Information Processing (IFIP: www.ifip.org) is to strengthen relationships between researchers and industry representatives in the vast field of Information Technology (IT). Accordingly, the International Program Committee (IPC) plans to structure a strong and interesting program with special focus on IT industry needs and Transfer Technology. Deadline for abstracts: <u>15 January 2006</u> .
28-30 August * NEW *	Berlin, Germany	International Conference on GIS and Sustainable Development Deadline for abstracts: <u>30 January 2006</u> .
September 2006		
3-7 September	University of Haifa, Israel	ISPRS TC VIII Mid-Congress Symposium Theme: Remote Sensing Supporting Sustainable Development



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3-8 September	Liège, Belgium	<u>IAMG'2006 Annual Conference on Quantitative Geology from Multiple Sources</u> The aim of IAMG (International Association for Mathematical Geology) 2006 in Liège is to bring together all geodisciplines that share common problems in analyzing data from multiple sources. IAMG'06 will also host a joint symposium with the International Commission for Stratigraphy on "The geologic time scale analysis using orbital tuning" and will convene special sessions together with the Geological Remote Sensing Group and the International Society for Stereology and Image Analysis. Deadline for abstracts: <u>1 February 2006</u> .
4-8 September	Bangkok, Thailand	17th United Nations Regional Cartographic Conference for Asia and the Pacific (UNRCC-AP)/12th PCGIAP
12-15 September	Lausanne, Switzerland	<u>Geoinformatics 2006</u> FOSS4G 2006 is an international conference addressing geospatial data technologies developed by or of relevance to the Open Source community. The conference will bring together the <u>GRASS</u> , <u>MAPSERVER</u> and <u>EOGEO</u> communities, but seeks to be more broadly inclusive.
18-22 September	Yokohama City, Japan	<u>7th International Conference on Geosynthetics</u> (geotechnical engineering, environmental engineering, civil engineering, hydraulics, geology, etc.). Deadline for abstracts: <u>31 March 2005</u> .
19-22 September * NEW *	Bonn, Germany	<u>PCV (Photogrammetric Computer Vision) 2006</u> The goal of the work in Commission III is the design, development and evaluation of mathematical models and methods for automatic orientation and calibration of images, surface reconstruction, fusion of multi-modal data, processing and interpretation of laser range data, interpretation of images and image sequence analysis with the emphasis on integration of geometry, statistics and semantics, modeling of spatial objects and temporal events, modeling context, scale behaviour of appearance models, use of graphical models, especially Markov random fields and Bayesian networks. Deadline for papers: <u>27 March 2006</u> .
20-23 September * NEW *	Cairns, Australia	<u>Combined 5th Trans Tasman Survey Conference and the 2nd Queensland Spatial Industry Conference 2006</u> The theme of these Conference 2006, Land and Sea Spatially Connected - In a Tropical Hub, aims to demonstrate initiatives across the spatial industry, providing a forum for ongoing discussions and interaction relating to their applicability to the community. Deadline for abstracts: <u>3 March 2006</u> .
25-27 September * NEW *	Dresden, Germany	<u>ISPRS Commission V Symposium</u> Theme: Image Engineering and Vision Metrology. Deadline for papers: <u>1 April 2006</u> .
27-30 September * NEW *	Goa, India	2nd Gi4DM – Workshop on Disaster Management Contact: snayakad@sancharnet.in
27-30 September	Goa, India	<u>International Symposium on "Geospatial Databases for Sustainable Development"</u> The topics of this symposium will focus on, the terms of reference of commission IV; Geo datqabases and Digital Mapping and the scientific and technical activities of ISPRS Commission IV Working Groups; Spatial Data Infrastructure, Image Database and Spatial Information Management, Location based service, Web based geo information services and applications. Deadline for abstracts: <u>31 January 2006</u> .
October 2006		



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8-13 October * NEW *	Munich, Germany	<u>FIG Congress 2006, Intergeo 2006</u> The topics of the technical part of the congress will cover each of the ten commissions of FIG. The number of abstracts will be limited to up to two per author. All abstracts should be submitted by email to the FIG Office under fig@fig.net . Full papers are to be provided in English and include an English summary. An additional summary can be prepared in German and any other language. Deadline for abstracts: <u>15 March 2006</u> .
20-21 October * NEW *	Wuhan, China	<u>The 14th International Conference on Geoinformatics</u> The conference theme, the 21st Century's Geoinformatics, encourages diverse topics related to new philosophy, new technology and new solution to enrich the future development of Geoinformatics. Deadline for abstracts: <u>30 April 2006</u>
21-25 October	Sydney, Australia	<u>CAPAM Biennial Conference 2006</u>
October	Beijing, China	20th CODATA (<u>Committee on Data for Science and Technology</u>) Conference Contact: codata@dial.oleane.com .
November 2006		
3-11 November	Santiago, Chile	9th International Conference on Global Spatial Data Infrastructure organized by GSDI Association & Instituto Geográfico Militar . Theme: Geographic Information: Tool for Reducing Poverty. Deadline for abstracts: <u>2 May 2006</u> . Contact: gsdi9@igm.cl
7-8 November	Beijing, China	<u>2nd International Young Scientists' Global Change Conference</u> This offers a prestigious platform for young scientists to present their research findings to leading scientists in the field. It is intended to stimulate competition, encourage excellence, reward outstanding performance and foster the development of personal and institutional networks. Expression of interest form: <u>15 November 2005</u> .
9-12 November	Beijing, China	<u>Open Science Conference</u> Call for papers: <u>February - May 2006</u> .
14-15 November	Riyadh, Saudi Arabia	ISO/TC 211 23rd Plenary http://www.isotc211.org/
20-24 November	Canberra, Australia	<u>The 13th Australasian Remote Sensing and Photogrammetry Conference</u> The conference will feature pre-eminent practitioners and speakers from Australia and overseas presenting recent developments and future trends in remote sensing and photogrammetry. For more information, contact: arspc@icms.com.au
November	Singapore	2006 International Map Trade Association (IMTA) Global Conference and Trade Show Contact: imta@maptrade.org
December 2006		
January 2007		
February 2007		
March 2007		
April 2007		
17-20 April	Graz, Austria	<u>Ingenieurvermessung 2007 - 15th International Course on Engineering Surveying</u>
May 2007		
12-17 May * NEW *	Hong Kong, China	<u>FIG Working Week 2007</u> The theme of the conference, "Strategic Integration of Surveying Services", is linked to the role of FIG in building bridges between surveyors from different regions and cultures and between different surveying disciplines based on the FIG definition of a surveyor. Deadline for abstracts: <u>30 November 2006</u> .



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28-31 May	Padova, Italy	<u>5th International Symposium on Mobile Mapping Technology. Organized by FIG Commission 5, IAG and ISPRS</u> Mobile Mapping Summer School 28 May 2007 and the 5 th MMT Symposium 29-31 May 2007. Contact: naser@geomatics.ucalgary.ca .
June 2007		
25-27 June	Toronto, Ontario, Canada	3rd Gi4DM - Workshop on Disaster Management Contact: Dr. Jonathan Li, email: junli@ryerson.ca
July 2007		
2-13 July	Perugia, Italy	<u>IAG/IUGG Conference. IUGG XXIV General Assembly</u>
August 2007		
September 2007		
19-21 September	Munich, Germany	<u>Photogrammetric Image Analysis (PIA) 2007</u>
October 2007		
7-12 October	Christchurch, New Zealand	NZIS/South East Asian Survey Conference (SEASC) / CASLE Conference Contact: email: nzis@surveyors.org.nz
November 2007		
December 2007		

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