



# Spatial Data Infrastructure - Asia and the Pacific Newsletter



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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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 25<sup>th</sup> of the each month to [chan@usgs.gov](mailto:chan@usgs.gov), [sdi-ap@gsdi.org](mailto:sdi-ap@gsdi.org), so that we can include the items in the next newsletter.

PLEASE share this newsletter with colleagues and encourage them to subscribe themselves.

Back issues of the newsletter are at the GSDI website: <http://www.gsdi.org/newsletters.asp>  
Best regards, Changsup Han, Editor, [chan@usgs.gov](mailto:chan@usgs.gov).



## Input to this Issue

Thank you to Kate Lance, ITC (USA/the Netherlands), Markku Villikka (FIG Director), and Dongsoo Ha (NGIS team leader, Korea Ministry of Construction and Transportation) for their contributions to the issues of this Newsletter.

Have you signed up for the [GSDI News List](#)? It only takes a minute, and then GSDI can alert you of special news and announcements, and you will be notified when a new issue of the SDI-AP newsletter is available. The GSDI Association also hosts an [SDI-AP Discussion List](#) with intermittent announcements.

## SDI News, Links, Papers, Presentations

[First public e-consultation on five-year surveying and mapping master plan](#), Singapore

The Singapore Land Authority (SLA) has set its sight with bearings pointing towards establishing a Surveying and Mapping Infrastructure Strategy Map for Singapore. It is conducting its first public e-consultation on a five-year master plan (2007 – 2011) which maps out a strategic plan that covers an integrated survey network, differential GPS positioning network (also known as SiReNT), a precise leveling benchmark network and the Geoid Model. It also sets the directions and priorities for both the private and public sectors in their geospatial initiatives and activities. SLA hopes to create public awareness through this exercise. Ultimately, everyone who has a stake in positioning in Singapore would be able to reap the benefits of Singapore's surveying and mapping infrastructure system for various economic and social activities. Five goals of the strategic master plan:

- Data: To provide a reliable, accurate, updated, authoritative and easily accessible surveying and mapping infrastructure system with instantaneous 3D positioning capabilities at a reasonable cost to the user and provider.
- Technology: To harness leading-edge technologies in geospatial data acquisition, management, analysis and visualization for a relevant surveying and mapping infrastructure system.
- People: To continue to have competent and skilled officers manage Singapore's surveying and mapping infrastructure system.
- Usage: The private and public sectors use the system and its geospatial information extensively for various needs.



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- Connectivity: Singapore's surveying and mapping infrastructure system is connected to the world and consistent with international standards.

## [Nepal Consultative Meeting on Metadata Clearinghouse & National Geographic Information Networking](#)

Consultative Meeting on Metadata Clearinghouse & National Geoinformation Infrastructure Networking was organized by Survey Department, Ministry of Land Reform and Management (MLRM) in Kathmandu, Nepal on March 31, 2006. A total of 74 participants top executives of HMGN ministries and departments were invited from 13 Ministry and 28 Governmental Departments. The main objective of the meeting was to develop a strategy for populating the metadata /clearinghouse and building consensus to the stakeholders on how to build up a networking at institutional and technical level for the optimal use of geoinformation resources in Nepal. This was conducted as part of the [National Geographic Information Infrastructure Program](#) (NGIIP).

## [Indonesian National Coordinating Agency for Land Survey and Mapping \(Bakosurtanal\) offers disaster-free land map service](#)

Data packages containing information on disaster-free regions in Indonesia will be made available through a service provided by the National Coordinating Agency for Land Survey and Mapping (Bakosurtanal). It is hoped the service will help identify suitable, disaster-free locations for businesses, as well as for evacuation purposes when disasters hit. Bakosurtanal sent representatives to post-disaster areas, such as Nanggroe Aceh Darussalam and Nias in North Sumatra, to assist reconstruction teams with their mapping activities. A survey on evacuation routes around the volcanic Mt. Merapi in Central Java also has been conducted. Secretary General of the Regional Representatives Council, Siti Nurbaya Bakar spoke positively about the work that Bakosurtanal has been doing, but Siti indicated that the agency also has room for improvement, in particular with some of its operational aspects, including its data-gathering capabilities in covering the environment, agriculture and forestry. According to Siti, Bakosurtanal needs to coordinate more with other institutions to make their output better. "They are not coordinating enough with other government institutions. They should make the move and not go the other way," Siti said, adding that Bakosurtanal should make its data more accessible to other related institutions and individuals. "Many state officials are non-technical people. They need technical guidance to interpret the data and this should come from the agency." [Source: The Jakarta Post, National News, March 15, 2007]

## [Government of France providing assistance to Sri Lanka for the establishment of a Spatial Information System for Reconstruction Monitoring](#)

The Government of France has agreed to provide a concessionary loan up to Euro 6.5 million for the establishment of a Spatial Information System for Reconstruction Monitoring. The objective of the System is to provide large scale maps with GIS application to serve as information infrastructure base for reconstruction oriented GIS application development plans for priority township development in Sri Lanka. The development of the Systems will also involve in capacity building and technology transfer to the Urban Development Authority (UDA) and the Survey Department. The data base of this System will be housed at UDA with access to other relevant agencies. This satellite imagery GIS data base identifies risk areas tend to natural disaster and existing development pattern in the areas where rehabilitation and new development projects to be taken place. The French Government loan is extended at an interest rate of 1% per annum repayable in 20 years inclusive of a grace period of 10 years. [Source: GIS Development]

## [JICA Bhutan GIS/GPS seminar](#), 10 March 2007

On 10 March 2007, a GIS/GPS seminar was conducted by JICA Bhutan in Thimphu. Participants from the DSLR, PBC, BTL, DUDES, BBS, WWMP, MoA, Thimphu City Corporation and other agencies attended. Besides the presenters from DSLR, BPC and BTL two JICA experts presented a GIS case study in Japan for telecom resource management and principles of GIS/GPS and constrains in Bhutan. The experts noted that some of the constrains in Bhutan are inadequate data back-up, lack of GIS/GPS experts, inadequate hardware/software, non-availability of updated base maps and lack of data standards. The JICA Resident Representative elaborated JICA's programs in Bhutan. The Surveyor General, DSLR, in his key note address stressed the need for data standards to ensure flawless interoperability. He also pointed out that besides numerous constrains DSLR, as a sole surveying and mapping agency is striving to build a comprehensive National Spatial Data Infrastructure (NSDI). The participants expressed concerns, challenges and issues in the field of GIS/GPS. Mr. Dorji Tshering, Head of Topo Division, DSLR who is also the



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Secretary of [Centre for GIS Coordination](#) (CGISC) agreed that GIS/GPS practitioners should meet regularly to share problems and discuss GIS/GPS related matters in Bhutan.

## **NOAA Asian Remote Sensing Market Research Analysis Report**

Results of the 2006 NOAA's [Asian Satellite and Information Service Remote Sensing Market Research Project](#), are being released. The report will be posted on NOAA's [Satellite and Information Service website](#). At the conclusion of the survey, 408 surveys were completed across the following eight project sectors: Aerial Film, Aerial Sensor, Aerial Digital, Satellite, Software/Hardware, Commercial End User, Government, and Academic. NOAA's Satellite and Information Service has only had a small portion of the data analyzed and the remaining data is available for further analysis. The report finds that Asian governments' support of the Remote Sensing profession is critical to the continuing success of the research and development in their aerial and spaceborne programs. The pattern of government support in Asia matches that found in the [2005 Western Study](#) (which had an emphasis on US, Canada, and Europe).

## **[International Workshop on Good Land Administration: Its Role in Economic Development](#)**, June 27-29, 2007, Ulaanbaatar, Mongolia

This workshop will be the meeting point of the officials, academics, non-governmental organizations and private sector representatives working in the land administration sector in Asia and Europe. East & West will meet with the intention to establish a land administration sector network to share experiences between the Asian and European countries. There are 3 themes for discussion i) Good Governance – Good Land Administration, ii) Putting Land into Economic Process and iii) LIS in Place, What Next? The workshop will be on June 27 and 28 and the above three topics will be discussed. The workshop is being hosted by the Administration of Land Affairs, Geodesy and Cartography (ALAGaC), which was established in 2002. Deadline for abstracts extended: 2 April 2007. Contact: [info@la-east-west.mn](mailto:info@la-east-west.mn).

## **[Continental geochemical survey in Australia](#)**

Geoscience Australia will begin a program in the near future which is aimed at gathering detailed information about the geological makeup of Australia, specifically targeting possible locations for energy related minerals. The new regolith sampling program, known as the National Geochemical Survey of Australia (NGSA) project, forms part of the Australian Government's [Onshore Energy Security Initiative](#) was announced by the Prime Minister in August 2006. In a collaborative effort between Geoscience Australia and State and Northern Territory geoscience agencies, the NGSA will employ a cost-effective, ultra-low density sampling technique covering most of Australia to acquire actual mineral concentration measurements, especially for uranium and thorium.

## **[Australia's plans for new millimeter-level positioning system](#)**

Australia has released plans for a new system that has the potential to deliver millimeter-level positioning from satellite navigation systems across the whole Australian continent. Once in operation, it would be the first continent-wide, millimeter-level positioning system ever developed. The high level of accuracy would result in a dynamic datum - one that shifts due to the tectonic movement of the Earth's crust. The project aims to take existing skills and create an integrated system. Existing radio telescopes will be used to provide very long baseline interferometer. Two satellite laser ranging stations will be improved and gravity observatories will be upgraded. This new geodetic capability will be used to create a dynamic co-ordinate datum that will pin down the position of the continent with millimeter precision. Four of these state-based networks already exist. One aim of the project is to join these networks together and roll out this infrastructure across the entire country. The new nationwide network will then be used to make very accurate position data available to users.

## **[Australia provides \\$3 million to Pacific island countries for weather events](#)**

Australia will provide \$3 million to Pacific island countries in a bid to help them improve their understanding of extreme weather events. The program will be run by Australia's Bureau of Meteorology (BoM) and will involve upgrading computer software and modeling to allow Pacific island countries to better plan for extreme weather events and climate change. Parliamentary secretary for foreign affairs Greg Hunt says it will improve the reliability of climate prediction. "The better weather information and the more self sufficiency our Pacific island neighbors have, the better [chance] they can give themselves in the short-term future and long-term future in terms of independence," he said. Ten Pacific islands will be part of the program including Kiribati, the Cook Islands, Vanuatu and Papua New Guinea.



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## [Launch of Abu Dhabi's first State of the Environment Report and Abu Dhabi Global Environment Data Initiative \(AGEDI\) Workshop](#), March 19-21, 2007

[The Abu Dhabi Global Environment Data Initiative](#) (AGEDI) is a collaborative response initiated by the UAE government to answer the important need to bridge the ever widening environmental data/information gap between developed and developing countries. It is improving the provision of high quality and comprehensive environmental data for decision making at the local, regional and global levels. It also is enhancing cooperation and coordination between decision-makers, planners, and policymakers. As part of the AGEDI initiative, the first [State of the Environment](#) (SOE) Report was prepared. The SOE Report covers the Emirate of Abu Dhabi and aims at supporting sustainable development by providing appropriate, sound, and policy relevant knowledge on the state of environment, its outlook and an action plan in the Emirate for policy makers and other stakeholders including public. The report is based on seven themes - atmosphere, water, land, coastal and marine, cultural heritage, biodiversity and waste. In addition to launching the SOE Report, the March AGEDI workshop provided an opportunity for an extended team of experts and partners to assess the current status of the AGEDI program and lay the groundwork for the next stage of implementation. [See: [Comprehensive study](#) issued on all aspects of life in Abu Dhabi, also see further details about [AGEDI geospatial portal](#), and [imagery database](#), highlighted in SDI-AP Vol. 3., No. 7 (July, 2006)]

## [The 23rd International Cartographic Conference](#), Moscow, Russia

The U.S. National Committee of the International Cartographic Association (ICA) invites you to submit your current publications of maps, atlases, and other cartographic products to the Cartographic Exhibition at the 2007 International Cartographic Conference in Moscow, Russia. US Map Exhibit items will need to receive by [April 1, 2007](#). The 23rd International Cartographic Conference will convene in Moscow the week of 4-10 August, 2007. The ICC Cartographic Exhibition is the premier international forum for displaying maps, atlases, and other cartographic products. It provides an excellent opportunity to feature the superior quality diverse range of American cartography. Awards will be given by an international panel of judges to products exemplifying excellence in cartography.

## [Ras Al Khaimah e-Government Authority pursuing Enterprise GIS Project](#)

The Ras Al-Khaimah e-Government Authority (JAE) recently agreed to develop and implement an Enterprise GIS turnkey solution. The Enterprise GIS solution for RAK is the vision of HH Sheikh Saud Bin Saqr Al Qassimi, Crown Prince and Deputy Ruler of Ras Al Khaimah. The Crown Prince envisions the emirate to adopt modern GIS and spatial technologies, which would enable better governance and continuous improvement of lifestyle of the residents of Ras Al Khaimah. The Enterprise GIS will be delivered through the RGIN network, by which various departments and users will be able to use the solution effectively for transacting governance and citizen-good information. The system consists of a suite of servers that manages the Web, Metadata, Application and Database Servers; the database engine is on Oracle Spatial. The ArcGIS Server provides the GIS suite for the total solution. Unique solutions for the defining a standard Spatial Framework for the geodatabase; direct ingest of AutoCad data layers and for quality evaluation of the database have been developed that provides the test-suite for the solution. The over AED 9 million-project will be completed in eighteen months. [Source: AMEInfo, March 12, 2007]

## [Presentations from Asian Institute of Technology Workshop on Spatial Data Infrastructure](#), 22-24 February 2007, Pathumthani, Thailand

A three-day Workshop on Spatial Data Infrastructure addressing the concepts, technical background, components of an SDI, including case studies and new initiative in Asia such as Sentinel Asia initiated by Japan Aerospace Exploration Agency (JAXA) and Digital Asia coined by Keio University, was held at the Geoinformatics Center of Asian Institute of Technology in February in Thailand. This Workshop was sponsored by JAXA and financial assistance was provided for some of the ASEAN member countries. A resource person includes number of international experts who are currently dealing with SDI issues, specifically in Asia-Pacific. Presentations included:

- ✓ Summaries from ASEAN countries: Brunei, Cambodia, Indonesia, Indonesia, Lao PDR, Malaysia, Philippines, Singapore, Thailand, Vietnam
- ✓ NSDI - Japanese Experiences Success and Failures
- ✓ Recent topics regarding ISO/TC 211 in Japan
- ✓ Digital Asia - Building Information Sharing Platform by Geo web services and Participatory GIS
- ✓ Sentinel Asia - Disaster Management Support System in the Asia-Pacific Region



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**[Discussion forum on Spatial Data Infrastructure at Map Middle East](#)**, 9-11 April 2007, Dubai, UAE  
This discussion forum on Spatial Data Infrastructure will review the status of SDI activities within the various organizations using geo-information at local and national levels. It also will provide an opportunity for industry representatives, academicians, policy makers and entrepreneurs from GIS related field to meet, exchange ideas and share experiences about Spatial Data Infrastructure to keep up the current momentum.

**[CEOS WGISS-23 Plenary Meeting & Remote Sensing Workshop](#)**, Hanoi, Vietnam, May 21-25, 2007  
The next Committee on Earth Observing Satellites (CEOS) Working Group on Information Systems and Services Meeting (WGISS-23) meeting is being hosted by Vietnam Remote Sensing Center, Ministry of Natural Resources and Environment. Contact: Ms. Nguyen Thi Tuyet, Head of International Relations and Project Management Department, Vietnam Remote Sensing Center (VNRSC), [vnpsc@vnn.vn](mailto:vnpsc@vnn.vn). Registration deadline: April 20, 2007.

**[OGC Joins W3C to help add Geospatial to the Web](#)**  
The Open Geospatial Consortium (OGC) recently became a member of the [World Wide Web Consortium](#), (W3C) a standards organization that develops interoperable technologies (specifications, guidelines, software, and tools) to lead the Web to its full potential. The OGC is participating in a W3C incubator activity focusing on semantic geospatial issues. W3C Incubator Activities facilitate rapid development, on a time scale of a year or less, of new Web-related concepts. The OGC and the W3C seek to collaboratively add geospatial functionality to the emerging Semantic Web in a manner that is consistent with existing and future OGC standards. OGC standards are the product of a successful 12-year open, international, and consensus-driven effort to overcome obstacles to geospatial interoperability. Interested parties are invited to participate in the [Geospatial XG public mailing list](#). OGC's members are also invited to provide input on W3C issues via the OGC W3C Liaison, Raj Singh, [rsingh@opengeospatial.org](mailto:rsingh@opengeospatial.org).

Notice: the **[3rd Ministerial Conference on Space Applications for Sustainable Development in Asia and the Pacific](#)** was scheduled for 5-10 February 2007 in Kuala Lumpur, Malaysia, but the host Government of Malaysia requested a postponement of the conference. Information on the new date will be communicated at this link in due course.

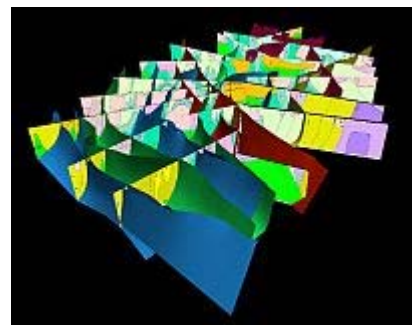
## GIS Tools, Software, Data

### **[Abu Dhabi Global Environment Data Initiative \(AGEDI\) map viewer](#)**

The AGEDI Geoportal promotes and facilitates access to quality environmental data, by providing integrated spatial information services on the internet. The Map Viewer tool allows users to interact with map services references in the metadata and to browse through the Environment Agency - Abu Dhabi (EAD) and international baseline datasets. The data holdings will be expanded to host data and services from other organizations who are partners of AGEDI.

### **[Tanami 3D map released](#)**, Australia

Mining and exploration companies interested in searching for mineral deposits in the Tanami Desert now have an improved 3D map to help them evaluate the region's likelihood for untapped gold and other mineralisation. The map has been developed by Geoscience Australia from information gathered in a deep seismic survey carried out in conjunction with the Western Australian and Northern Territory Geological Surveys under the Tanami Seismic Collaborative Research Project. The work included four regional seismic surveys extending 724 kilometres which provided information on the region's fault system and identified correlations between known ore deposits and specific regions of increased structural complexity. As a result of the work, Geoscience Australia has developed a significantly improved 3D map which will provide vital information on the deep structural architecture of the area to help with the evaluation of possible mineral deposits.



### **[Geology map of Northern Australian Territory available](#)**

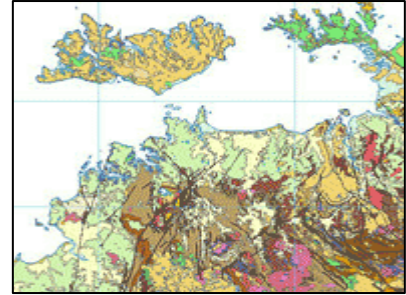
The latest installment of the 1:1 million digital geology of Australia, Surface Geology of the Northern Territory, is now available as a free download from Geoscience Australia. The map provides the most detailed,



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comprehensive and current geological map of the Northern Territory for explorers, resource managers and land use decision-makers. It is one of several products completed under the [National Geological Maps Project](#) which is compiling national scale information on Australian geology. The data is seamless within the NT and across State borders and has been compiled in collaboration with the Northern Territory Geological Survey, largely from the best available 1:250 000 scale mapping, complemented by more recent 1:100,000 and 1:500 000 regional province maps. The map is available as shapefiles and ESRI export files for use in most common GIS applications. Polygons and linework are fully attributed with geological unit names, ages and lithological.



## [ArcGIS for AutoCAD Free Download](#)

The availability of [ArcGIS for AutoCAD](#), a free AutoCAD application that allows CAD users to visualize and query [geographic information system \(GIS\)](#) data within the CAD environment without conversion. ArcGIS for AutoCAD accesses dynamic georeferenced [ArcGIS Server](#) map services and displays them in the AutoCAD drafting environment. "For the first time, CAD users will have a simple way to connect to GIS enterprise data," said Don Kuehne, ESRI product manager. "These users will benefit from the results of GIS analysis through georeferenced cartographic products inside AutoCAD's editing environment for context and reference without the complexities of conversion and translation." ArcGIS for AutoCAD requires ArcGIS Server 9.2 and AutoCAD 2007. To download ArcGIS for AutoCAD, visit [www.esri.com/autocadapp](http://www.esri.com/autocadapp) for more information.

## [APDIP and IOSN Releases Publication on Free/Open Source Software Network Infrastructure and Security](#)

Working via information networks such as the Internet, intranet and LANs has increased the possibilities of communicating with a wide range of individuals and communities across long distances. The free and open source software (FOSS) movement is both shaped by network information environments, in particular the Internet, and it has, at the same time, influenced these networks significantly. Although there are numerous benefits from being locally and globally networked there are also a number of critical factors involved in networking. Being able to respond to these risks demands a high level of network design and maintenance, making developing countries particularly vulnerable to these risks. Due to its high degree of flexibility, FOSS provides a cost saving and excellent platform for responding to these critical factors. The e-primer also contains useful tips on network planning, design and development, which will help to diagnose and solve problems that occur while running a network. This is especially helpful for network managers who are thinking about setting up or have already have set up a network using FOSS. This publication is part of the FOSS e-Primer Series produced by the International Open Source Network (IOSN). IOSN is an initiative of the UNDP Asia-Pacific Development Information Program and supported by the International Development Research Centre of Canada.

## [New management tool for East Australian graziers](#)

CSIRO has just released a new real-time information tool to help graziers in eastern Australia better cope with the impact of climate variations on pasture production. Primary producers from Rockhampton in Queensland across to Ceduna in South Australia and down to Tasmania can now access newly released satellite pasture growth data from the Pastures from [Space website](#). The Pasture Growth Rate (PGR) data on the website is from the previous weeks' climate records and satellite images which are merged to calculate how fast the pasture is growing at the national, regional, farm and paddock scale. PGR supports farmers in making management decisions like grazing rotation, feed budgeting, fertilizer application and other precision's techniques. Because the data is on the web, near real-time decisions can be made. [Source: WALIS eNews, February 2007]

## [16 million measurements taken by GLOBE students worldwide](#)

GLOBE is a worldwide hands-on, primary and secondary school-based education and science program. GLOBE promotes and supports students, teachers and scientists to collaborate on inquiry-based investigations of the environment and the Earth System. The GLOBE database is growing day by day and has become an important global resource for information. Everyday, GLOBE student data is consulted as a resource tool by students, scientists, and local officials. It is, in some parts of the world, the most comprehensive information being gathered about rainfall, land cover, water quality and other factors. With



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increasing frequency, GLOBE student data is being studied in local communities to help find solutions to perplexing environmental issues. GLOBE students are collecting and compiling data with increasing conviction that their work is important not only to their personal understanding of the environment, but to their communities and to the world.

## [NOAA long-term archive for international satellite-based observations of global, high-resolution ocean temperatures](#)

This effort, known as the [GODAE High Resolution Sea Surface Temperature](#) (GHRSSST) project, has a Long Term Stewardship and Reanalysis Facility in Silver Spring, Md., established by the NOAA National Oceanographic Data Center, and is making all of the satellite data available online. It rapidly and routinely delivers individual, as well as multi-sensor blended SST products with high accuracy and fine spatial resolution.

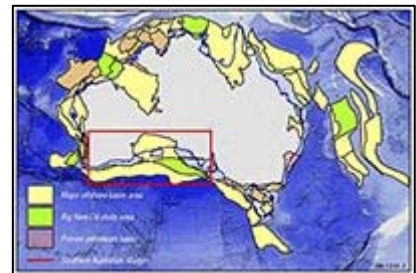
## [Best Practices - Modernizing Mapping Organizations' Workflow](#)

Learn how cartographers are using GIS tools to facilitate better workflows for data capture and compilation, data management, cartographic production, and quality assurance (ESRI, 2007).

### Geospatial Research, Applications, Reference Material

## [Frontier basin studies identify new exploration opportunities in Australia](#)

Australia remains underexplored for hydrocarbon resources, with only about 8000 wells drilled. Most offshore exploration has been in basins with proven potential: the Gippsland, Bass and Otway basins in southeast Australia; the Perth Basin on the southwest margin; and the Northern Carnarvon, Browse and Bonaparte basins on the northwest shelf. Seven major oil fields were discovered in the offshore Gippsland and Northern Carnarvon basins from 1960 to 1990 (Foster 2006). Until recently, numerous smaller discoveries in the Northern Carnarvon and Bonaparte basins have maintained our oil reserves. Vast frontier areas in offshore Australia remain unexplored and offer the potential for discovery of significant new provinces to maintain energy security. Geoscience Australia's role in the Big New Oil Program has been to acquire new datasets and apply integrated basin analysis to model petroleum systems and plays at a regional scale. The datasets underpinning these studies vary according to such factors as regional geology, exploration history, sea-floor geomorphology, and budget constraints. Two case studies from the southern Australian deepwater margin demonstrate how integrated basin studies are used to assess the petroleum prospectivity of frontier basins at a regional scale.



## [Urban Remote Sensing](#)

Remote Sensing generally refers to the science, technology and physical processes involved in the detection, analysis and interpretation of information collected without coming into physical contact with the object of interest. In the context of research and applications, urban remote sensing focuses primarily on understanding the physical properties and processes of urban environments and on the mapping and monitoring of urban land cover and spatial extent. These two objectives are related in the sense that it is necessary to understand the physical properties of the urban mosaic in order to rigorously define, map and monitor urban areas. The research presented here is primarily focused on the physical properties of a wide range of urban environments using passive measurement of optical reflectance and thermal emission as well as optical emission of nighttime lights. Comparative analyses of urban reflectance (visible and infrared color) and surface temperature allow us to develop robust criteria for distinguishing urban land cover from non-anthropogenic land covers. These analyses also provide important constraints on the physical properties that control mass and energy fluxes through the urban environment. These constraints are used as inputs to physical models of climatic, hydrologic and ecologic processes.

## [Journal of Spatial Science](#) - June, 2007 Abstracts

Abstracts for the June 2007 edition of the *Journal of Spatial Science*, formerly *Cartography and the Australian Surveyor & Geomatics Research Australasia* is available now. If you wish to subscribe to *Journal of Spatial Science* complete and return [the form](#) along with your remittance to: *Journal of Spatial Science* Editorial Board, PO Box 6836, East Perth WA 6892 Australia.

## [Satellite database to aid urban planning](#), India



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A total of 137 cities and towns in India have been covered under the National Urban Information System (NUIS) scheme to develop a spatial information database for urban planning, Minister of State for Urban Development Ajay Maken said. Maken said the scheme has two components - one is to meet the space requirements of urban planning and the second to develop a town level urban database. 'The NUIS scheme also aimed at establishing a comprehensive information system for planning, development and management of urban local bodies,' he informed the Rajya Sabha. The digital maps and geographic information system (GIS) databases are useful for preparation of master plans, zonal plans and detailed town planning schemes, Maken said. SOI has initiated procurement of satellite images for 65 towns in 16 states and images have already been received for five towns in two states.

## [Thailand National Biodiversity Database System with webMathematica and Google Earth](#)

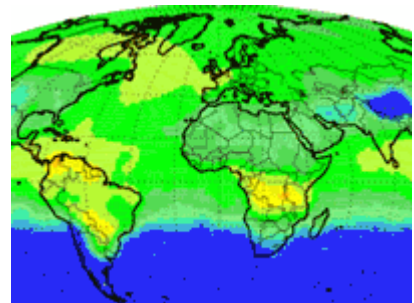
[National Biodiversity Database System](#) (NBIDS) has been developed for collecting Thai biodiversity data. The goal of this project is to provide advanced tools for querying, analyzing, modeling, and visualizing patterns of species distribution for researchers and scientists. NBIDS data record two types of datasets: biodiversity data and environmental data. Biodiversity data are species presence data and species status. The attributes of biodiversity data can be further classified into two groups: universal and project-specific attributes. Universal attributes are attributes that are common to all of the records, e.g. X/Y coordinates, year, and collector name. Project-specific attributes are attributes that are unique to one or a few projects, e.g., flowering stage. Environmental data include atmospheric data, hydrology data, soil data, and land cover data collecting by using GLOBE protocols. The authors have developed web-based tools for data entry. Google Earth KML and ArcGIS were used as tools for map visualization. webMathematica was used for simple data visualization and also for advanced data analysis and visualization, e.g., spatial interpolation, and statistical analysis. NBIDS will be used by park rangers at Khao Nan National Park and by researchers. [Transactions on Engineering, Computing and Technology, Vol. 19, January 2007] See also presentation [Thailand National Biodiversity Database System](#).

## [Participatory 3D modeling in Talibon, Bohol, Philippines](#) (pdf)

On February 28, one of the biggest 3-D models ever made in the Philippines was inaugurated at the Interpretive Center of Talibon, Bohol Philippines. The 3-D model comprises the vast Danajon Bank covered by 3 provinces and is considered the "center of center" of Philippine marine diversity. To the outside world, Danajon is best known as the only double barrier reef in the Philippines, and one of only three such reefs in the Indo-Pacific region. This fact is not widely known among locals, and among those who do know, there is little appreciation of what a double barrier reef is. A 3D model was identified as the best way to illustrate what Danajon Bank is and what it represents. See also: [A 3D Experience](#).

## [First greenhouse gas animations produced using Envisat SCIAMACHY data](#)

Based on three years of observations from the SCIAMACHY instrument aboard ESA - Envisat, scientists have produced the first movies showing the global distribution of the most important greenhouse gases' carbon dioxide and methane's that contribute to global warming. The importance of cutting emissions from these 'anthropogenic', or manmade, gases has been highlighted recently with European Union leaders endorsing binding targets to cut greenhouse gases by at least 20 percent from 1990 levels by 2020. Further illustrating the urgency to combat global warming, Britain became the first country last week to propose legislation for cutting the gases. With climate change being the greatest environmental challenge facing the world today, numerous studies and results on greenhouse gases will be presented at the 2007 Envisat Symposium in Montreux, Switzerland, from 23 to 27 April.



## [New ESRI Press book chronicles \(U.S.\) federal government's GIS success stories](#)

Standards for Success: GIS for Federal Progress and Accountability recounts how geographic information system (GIS) technology helps United States federal agencies streamline work and save money while tackling diverse projects such as monitoring volcanoes and managing forests. This latest book from ESRI Press presents more than a dozen case studies showing how GIS sped up the analysis process, made sharing information easier, and presented a clearer picture of problems and options to solve them.

### Training Opportunities



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## Training Course for 2007, Pakistan Space & Upper Atmosphere Research Commission

- Training Course on Space Science & Applications for Students, 2 weeks

Aimed at imparting knowledge and creating awareness about the spin-offs of space science, technologies and applications to young students, such as remote sensing, GIS, space, atmosphere and environment applications. Application deadline: 30 May 2007, Starting date: 18 June 2007, Contact: [dh.rsa@surparco.gov.pk](mailto:dh.rsa@surparco.gov.pk)

- A Short Training Course on Impact of Solar Radiation on Earth, Ionosphere and Geomagnetic Field, 2 days

Main contents of this course are imparted of solar radiation on earth, Ionosphere regions and parameters, the geomagnetic field and its measurements, etc. Application deadline: 15 May 2007, Starting date: 25 July 2007, Contact: [dh.ssar@surparco.gov.pk](mailto:dh.ssar@surparco.gov.pk)

- Geographical Information System, 2 weeks

Aimed at imparting theoretical concepts and developing skills analysis using spatial databases and perform spatial analysis using GIS platform. This course will impart basic programming skills to develop customized applications as well as internet GIS too. Application deadline: 5 October 2007, Starting date: 20 October 2007, Contact: [dh.rsa@surparco.gov.pk](mailto:dh.rsa@surparco.gov.pk)

- Atmospheric Sciences, 4days

Satellite meteorology (Weather forecasting, Weather phenomenon, Detecting forest fires, Air, Sea, and Land Transportation, Supporting agriculture and fisheries), Global Climate Change, Natural hazards (Cyclones, Floods, Earthquakes, Forest fires and drought). Application deadline: 30 September 2007, Starting date: 27 November 2007, Contact: [dh.ssar@surparco.gov.pk](mailto:dh.ssar@surparco.gov.pk)

- Remote Sensing and Digital Image Processing, 2 weeks

Aimed at developing image processing concepts and algorithms to achieve various image processing tasks and exploring functionalities of various off-the-shelf commercial systems and comparison. Application deadline: 15 November 2007, Starting date: 3 December 2007, Contact: [dh.rsa@surparco.gov.pk](mailto:dh.rsa@surparco.gov.pk)

## ArcGIS 9.2 Training

People apply [geographic information system \(GIS\)](#) technology in many different ways, often limited only by their imagination. Training covers [ArcGIS Desktop](#), [ArcGIS Server](#), and [the geodatabase](#) in formats that include instructor-led courses in traditional classroom settings, Web-based seminars, a workbook, downloadable podcasts, and online self-study classes.

- [Migrating from ArcView 3.x to ArcGIS Desktop](#) (free Web course)
- [Introduction to Cartographic Representations in ArcGIS 9.2](#) (free Web training seminar)
- [Building Applications with ArcGIS Server Using the Microsoft .NET Framework](#) (free Web training seminar)
- [How ArcSDE Fits into ArcGIS 9.2](#) (free podcast)
- [Introduction to Geodatabase Replication at ArcGIS 9.2](#) (free Web training seminar)
- [Geodatabase Replication: An Overview](#) (free podcast)
- [Building Geodatabases](#) (instructor-led course)
- [Geodatabase Archiving: Introduction to Concepts and Capabilities](#) (free podcast)
- [Geodatabase Archiving: Working with Archived Data](#) (free podcast)

To learn more about these courses, seminars, and podcasts or other ArcGIS 9.2 educational opportunities, visit [www.esri.com/training](http://www.esri.com/training).

## The First GIS specialist Training Program in National Government Level in Korea

In order to secure the large amount of National GIS specialists the Korea Ministry of Construction and Transportation announced currently to select the proper training organizations, University, Special training organization, Research body or others. The training organizations choose by the Ministry will be funded total US\$ 500 thousand by the government budget during 10 months. The training will be done for government officers, Middle and High School's teachers, GIS specialists working in companies or organizations. The Educational organizations want to participate in this training program has to apply by April 20, 2007 to the Ministry.

## Spatial Data Analysis using S-PLUS andS+SpatialStats, Singapore, 12-13 June 2007

This 2-day professional development training Course is designed to show how S-PLUS can be used in the analysis of spatial data. Participants need not have familiarity with S-PLUS. However, the knowledge of some fundamentals of any statistical software will be useful. Basic knowledge of elementary statistics will be



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assumed. This course is not meant to teach the theory of statistical models or spatial statistics, but rather to use them and show how S-Plus can be used to fit and analyze them. Contact: [enquiry@eastasiatc.com.sg](mailto:enquiry@eastasiatc.com.sg).

## Funding Opportunities, Awards, Support

### [Jill Landsberg Trust Fund invites your donations now](#)

The Ecological Society of Australia Inc has established the Jill Landsberg Trust Fund, which will fund an ongoing postgraduate scholarship in the field of Applied Ecology. Donations are now invited from friends and colleagues who wish to further this cause. Jill Landsberg's outstanding contributions to ecology extended back 25 years. The common theme to Jill's ecological research interests was the conservation of biodiversity in landscapes managed mainly for primary production. She also made a significant contribution to the conservation of threatened species, through her long service on the Australian Government's Endangered Species Scientific Advisory Committee. The Jill Landsberg Trust Fund Donation Form - [download here](#) (PDF 180KB)

### [Short Term Training Awards, NZAID](#)

A wide range of short-term vocational and/or skills courses or work attachments within New Zealand are offered (duration may be up to one year). The Short Term Training Awards cover payment of fees, return economy air fares, an establishment grant, a basic living allowance and provision for health care. Costs and allowances are paid through a management services consultant. The STTA scheme, including country eligibility, is subject to ongoing review and amendment. Applicants should check their eligibility prior to lodging an application. NZAID reserves the right to reject any application, before it has been fully processed, in the event of country eligibility changes. [Viet Nam \(55k\)](#), [Philippines \(62k\)](#), [Timor-Leste \(75k\)](#), [Samoa \(61k\)](#), [Solomon Islands \(71k\)](#)

### [EWC-UHM Student Affiliate Program](#)

The EWC-UHM Student Affiliate Program was established to expand opportunities for involvement in the programs of the East-West Center. The Center works to promote greater understanding of the Asia-Pacific-U.S. community through cooperative education and research. This program offers full-time classified graduate students at the University of Hawaii at Manoa an opportunity to participate in the Center's educational program and to live in the Center's international residence halls. Student Affiliates are responsible for all expenses connected with their program. Submit completed application and supporting documents (including letters of reference preferably from academic referees and official University of Hawaii at Manoa transcript) to the East-West Center, Education Program, 1601 East-West Road, Honolulu, HI 96848-1601 by 4:30 p.m. on Friday, [April 6, 2007](#) for early consideration and by Friday, [June 8, 2007](#) for final consideration. Applications submitted by mail must be postmarked by the application deadline. For further information, see the [EWC-UHM Student Affiliate Program](#). Contact: Mendl Djunaidy, Associate Dean, [djunaidm@eastwestcenter.org](mailto:djunaidm@eastwestcenter.org)

### [Tsunami Regional Trust Fund now opened](#)

In response to the need for an effective regional disaster preparedness mechanism following the aftermath of the Indian Ocean Tsunami, UNESCAP established in late 2005 a regional multi-donor voluntary trust fund for early warning system arrangements in the Indian Ocean and Southeast Asia. At present, the Trust Fund counts on contributions from the Government of Thailand and Government of Sweden. This fund aims to support capacity building measures for the development of early warning systems for tsunamis in a multi-hazard content by supporting relevant prevention and preparedness activities through regional, sub-regional and national entities working in disaster management. Such activities will ultimately contribute to enhanced regional coordination and cooperation for natural disaster preparedness and prevention. All submitting organizations are required to fill out a Grant Application Form in order to apply for funding. Please click link below to access the [Application form](#). Application deadline: [15 April 2007](#).

### [Applications for Envirofund are now open, The Australian Government Department of the Environment and Water Resources](#)

Individuals and community groups across Australia are being encouraged to apply for grants of up to \$50,000 for local environmental projects as part of the latest round of the Australian Government Envirofund. Applications close at Friday [27 April 2007](#).

### [ACS NSW and IS NSW announce 2007 Excellence Awards](#)



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The annual NSW Excellence Awards for industry and the profession has been announced. Expressions of interest to enter will close on 31 May 2007 with the closing date for entries on 27 July 2007.

## **Geo-Application Award 2007 - Joan Blaeu Prize**

Challenge of the Prize: the best SDI realization using [U.N. Spatial Data Infrastructure \(UNSDI\)](http://www.unguiwg.org/unsdi.htm), <http://www.unguiwg.org/unsdi.htm>, and [INSPIRE](http://inspire.jrc.it/), <http://inspire.jrc.it/>, principles with respect to sustainable regional development and rural knowledge society building. The best three applications will be awarded by certificate and trophy. Information about all eligible applications will be published on CDs and also on Conference pages, EFITA and UNSDI and INSPIRE pages. Deadline: April 15, 2007.

## **Employment Opportunities**

### **Resource and Environmental Economist**, Suva, Fiji

Applicants must have a degree in either economics, resource economics, environmental economics, institutional economics or equivalent academic background with relevant work experience on economic and policy analysis related to one or more of sectors or themes, such as forestry, water, climate change, renewable energy, fisheries and or agriculture, preferably in the Pacific. Priority will be given to applicants with a demonstrated ability to provide policy advice supported by sound and rigorous economic analysis in an interdisciplinary context, awareness and understanding of broader sustainable development and sectoral issues (for example, economic policy, population, social/human development) particularly as they relate to natural resource and environment management and sustainable development planning processes. Contact: [jobs@forumsec.org.fj](mailto:jobs@forumsec.org.fj), Application deadline: 11 May 2007.

### **Ron Lister Visiting Fellowship 2008**, University of Otago, NewZealand

Applications are invited for the Ron Lister Visiting Fellowship in the Department of Geography, from geographers in all fields of the discipline. Preference may be given to applicants working in the broad area of development studies, and/or to those with an interest in India and/or China. The Fellowship assists distinguished international scholars to spend time at the University of Otago teaching and researching in the Department of Geography. The Visiting Fellow will spend between four and six months in the Department of Geography, undertaking research and contributing to teaching in either the first or second semester. There are 13 weeks of teaching in each semester, with the first semester commencing on Monday 25 February 2008, and the second semester on Monday 7 July 2008. There is no application form. Those interested in being considered for the Visiting Fellowship should send a statement of interest, detailing their objectives and suitability for the post to: Professor Tony Binns, Email [jab@geography.otago.ac.nz](mailto:jab@geography.otago.ac.nz), Closing Date: Friday 4 May 2007.

### **Draftsman - AutoCAD with Exp in Road design**, Dubai, United Arab Emirates

Dubai/KSA is a Middle East based consulting company and looking to hire a Draftsman with experience in AutoCAD, Microstation, GIS and having Experience in Road Design. Contact: [dubaijobs314@yahoo.com](mailto:dubaijobs314@yahoo.com), [Apply](#), Application deadline: 26 May 2007.

### **Arc SDE Administrator**, Manama, Bahrain

MicroCenter in Bahrain is looking for Arc SDE Administrator who can work as Geodatabase and Oracle administrator and consultant and have relevant degree, total minimum 5 years & 2 years on Oracle/ArcSDE Administration experience, Oracle DBA Certification, and excellent working knowledge of Arc GIS. Contact: R D Ranjan, [microcenmew@yahoo.co.uk](mailto:microcenmew@yahoo.co.uk), Application deadline: 19 May 2007.

### **Senior GIS Specialist, Senior GIS Software Programmer/Developer**, Dubai, United Arab Emirates

Pictometry Middle East, the leading agency of visual intelligence in Dubai head quarter is looking for a Senior GIS Specialists, Senior GIS Software Programmer/Developer who has Bachelor's Degree in CIS, CS, CSE, Geography, GIS, or related field, 5 years of experience in digital imaging processing, GIS database, GIS/programming, database and CADD, and two years of experience in project supervision, and project development. Contact: [info@pictometry-me.com](mailto:info@pictometry-me.com), Application deadline: 6 May 2007.

### **Research Assistant (GIS)**, Laxenburg, Austria

The [TNT Program](#) is a research activity at IIASA that performs basic research in investigating patterns and possible impacts of the diffusion of new technologies in information, communication, transport and energy systems. In order to assist in its research activities the Program is seeking applications for the position of a



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Research Assistant. Masters (or comparable) degree in (economic) geography, regional development, Geographic Information and Management Systems, or similar discipline are needed. Proficiency with a range of GIS tools as well as programming ability for data combination, analysis, and extrapolation (e.g. in Visual Basic, or alternative platforms) is an absolute must. Closing date for applications: 1 May 2007. Contact: Walter Foith, [foithw@iiasa.ac.at](mailto:foithw@iiasa.ac.at)

**Lecturer (two positions)**, Enschede, The Netherlands

The Department of Geo-Information Processing (GIP) of the International Institute for Geo-Information Science and Earth Observation (ITC) invites qualified persons to apply for two full-time positions of Lecturer. GIP addresses and studies the technology and methodology of geo-information processing and infrastructure, to develop concepts and techniques for the modern geo-information society, helping to solve complex application problems. Selected candidates will develop and teach academic course components in geoinformatics courses. Tasks will be in education and training in regular course programs (at Diploma, Master and MSc level), and distance and contract education in situ. The educational formats applied are face-to-face tuition, lab exercise work and blended/distance learning.

- ✓ You will (co-)supervise, advise and instruct course participants in doing practical and project work and you will lecture in the fields of geoinformation engineering, spatial data infrastructure (SDI), institutional information systems, GIS operation, web services, spatial data and process modeling, computer programming and/or application development.
- ✓ You will also keep existing training materials up-to-date, suggest improvements and assist in developing new materials and in making the materials suitable for distance/blended learning.
- ✓ You will act as module coordinator in course programs at Diploma level.
- ✓ You may be asked to assist in executing advisory services in the same fields as in which you are teaching.

These vacancies are teaching positions in the strict sense. Deadline: 20 April 2007. Contact: Mr. Jeroen Jansen, [posecretariat@itc.nl](mailto:posecretariat@itc.nl)

**Assistant Professor, Geo-information and Governance**, Enschede, Netherlands

The Department of Urban and Regional Planning and Geo-Information Management (PGM) of the International Institute for Geo-Information Science and Earth Observation (ITC) invites qualified candidates to apply for an Assistant Professor position in Geoinformation and Governance. Candidates should have:

- ✓ PhD in geo-information science and communication technologies in public administration/management or a related field.
- ✓ Proven research and practical experience (preferably 5-10 years) in information management in the public sector.
- ✓ Practical experience in or affinity with information systems/infrastructure in public management (preferably) in developing countries.
- ✓ Knowledge of and skills in the application of geo-information and communication technology in public administration/management.

Deadline: 11 May 2007. Contact: [Mr. C.M. Paresi](mailto:Mr.C.M.Paresi)

## Other

### **Modern equipped Pilot Cities and Villages in Korea Selected for Livable City Project**

The Korea Ministry of Construction and Transportation held the Committee on Livable City on March 20th to designate 5 pilot cities and 25 pilot villages for the Livable City Project. Pilot city project will be led by municipal governments by forming network with residents, local universities, and research institutes to assess available natural resources of the cities and develop competitive advantage of each city. A total of 8 billion won will be provided to the pilot cities, with Ansan-si which ranked first getting 2 billion won and other 4 cities receiving 1.5 billion won each. Pilot village project will be promoted by residents themselves with a view to recognizing each region's identity and creating a pleasant living environment, high level internet system, well equipped GPS system, etc. The pilot villages were chosen for their measures to enhance residents' capabilities, cooperate with related organizations, and establish supportive system run by municipal governments. The competition for livable city pilot project was designed to better utilize cities' resources and cultural or artistic uniqueness and to boost urban competitiveness by the high developed IT technologies, instead of focusing on quantitative urban development. The pilot project is expected to induce interest of residents in creating a livable city and promote public involvement, so that the project can take



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root at early stage. Through consultations with related ministries, it will also institute a comprehensive support program to provide fund to the pilot cities starting 2008.

## [Korea signed an agreement with FAO to strengthen sustainable forest management](#)

The Republic of Korea signed an agreement with FAO promising to forge resources in order to strengthen sustainable forest management. The Republic of Korea decided to join an existing bilateral agreement between FAO and Japan to complement the resources. The two countries will work together to implement a five-year FAO project on monitoring, assessment and reporting of forest resources on sustainable forest management in Asia. The project aims to harmonize the existing multiple international and national reporting on forests in Asia, making it easier for national decision-makers to develop proper forest policies and to enhance efficiency of the forest management regimes in the region. Harmonization, improvement and strengthening of forest-related monitoring, assessment and reporting has, therefore, been called by most of the forest-related United Nations agencies, and intergovernmental and international non-governmental organizations. The Republic of Korea plans to send a visiting forestry expert to work in this field, in reflection of their commitment to sustainable forest management and to share and exchange knowledge and experience with FAO.

## [Copyright and Access to Knowledge: policy recommendations on flexibilities in copyright laws](#) (April 2006).

This study, supported by OSI together with IDRC, examines the copyright laws of 11 developing countries, revealing that public access to knowledge is being curtailed more than is necessary. Copyright and Access to Knowledge discloses that Bhutan, Cambodia, China, India, Indonesia, Kazakhstan, Malaysia, Mongolia, Papua New Guinea, the Philippines and Thailand have all expanded the scope of copyright protection what is, the works to be protected and the rights accorded to copyright owners beyond what is required by the international copyright treaties they have acceded to. In addition, they have not incorporated all the available limitations and exceptions that would have opened up access to knowledge. More insidious, however, is the legislative advice being provided by multilateral agencies such as the World Intellectual Property Organization (WIPO). WIPO's advice to developing countries contained in its Draft Laws on Copyright and Related Rights does not take full advantage of all the flexibilities available under the various international copyright treaties.

Conferences, Events		
Date	Location	Event
Items newly added to this listing of events since the last SDI-AP issue are marked *NEW*		
<b>April 2007</b>		
<b>1 April</b>	Sydney, Australia	<u><a href="#">Mapping &amp; 3D Information Extraction from High Resolution Sat. Imagery</a></u> , Contact: <a href="mailto:training@crCSI.com.au">training@crCSI.com.au</a>
<b>2-3 April</b>	Sydney, Australia	<u><a href="#">Australian Water Summit Sydney 2007</a></u> , Contact: Shahida Sweeney, <a href="mailto:shahida@acevents.com.au">shahida@acevents.com.au</a>
<b>2-5 April</b>	Amman, Jordan	<u><a href="#">6th International Symposium on Eastern Mediterranean Geology and 9th International Geological Conference of the Jordanian Geologists Association</a></u>
<b>4-6 April</b>	Hong Kong, China	<u><a href="#">Location Asia 2007</a></u> , Contact: <a href="#">Email</a>
<b>9 April</b> *NEW*	Bangkok, Thailand	<u><a href="#">DASFAA 2007 International Workshop on Spatial and Spatio-Temporal Data Management for Visualization, Analysis and Mining (SSTDM-VAM 2007)</a></u>
<b>9-11 April</b>	Dubai, UAE	<u><a href="#">Map Middle East</a></u> , Contact: <a href="mailto:info@mapmiddleeast.org">info@mapmiddleeast.org</a>
<b>14 April</b>	Bangalore, India	<u><a href="#">The 14th Session of the Asia-Pacific Regional Space Agency Forum (APRSF-14)</a></u>
<b>16-18 April</b>	Christchurch, New Zealand	<u><a href="#">23rd Population Census Conference 2007</a></u> , The conference will bring together the heads of the national statistical agencies in the Asia-Pacific region.
<b>16-18 April</b> *NEW*	San Francisco, U.S.A.	<u><a href="#">Location Intelligence Conference 2007</a></u> , contact: <a href="mailto:dbrookmeyer@racepointgroup.com">dbrookmeyer@racepointgroup.com</a>



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16-19 April	Ottawa, Canada	<a href="#">April 2007 OGC Technical Committee Meeting</a>
17-20 April	Graz, Austria	<a href="#">Ingenieurvermessung 2007 - 15th International Course on Engineering Surveying</a>
17-21 April <b>* NEW *</b>	San Francisco, U.S.A.	<a href="#">AAG 2007</a> , Contact: <a href="mailto:sheristach@conferencemanagers.com">sheristach@conferencemanagers.com</a> or <a href="mailto:meeting@aaag.org">meeting@aaag.org</a>
18-19 April	Moscow, Russia	<a href="#">Aerial and Satellite Methods and GIS in Silviculture and Forestry - 4th Russian Nation-Wide Conference</a> , (with international inputs), Contact: <a href="mailto:nlm@smtp.ru">nlm@smtp.ru</a> .
22-27 April	Abu Dhabi, UAE	<a href="#">Mecom2007, The Middle East Communications Exhibition &amp; Conference</a> , Telecommunications & ICT Summit 2007
23-25 April	Al-Khobar, Saudi Arabia	<a href="#">2nd National GIS Symposium in Saudi Arabia</a> Abstract deadline: <u>December 2, 2006</u> . Contact: <a href="mailto:info@saudigis.org">info@saudigis.org</a> .
23-27 April	Montreux, Switzerland	<a href="#">Envisat Symposium</a>
25-27 April	Novosibirsk, Russia	<a href="#">GEO-SIBERIA 2007 The Third International Exhibition and Scientific Congress</a> , E-mail: <a href="mailto:nenash@sibfair.ru">nenash@sibfair.ru</a> and <a href="mailto:geo-sib@ssga.ru">geo-sib@ssga.ru</a>
<b>May 2007</b>		
2-6 May	Noumea, New Caledonia	<a href="#">GeoHab 2007 - Marine Benthic Habitats of the Pacific and Other Oceans: Status, Use, and Management</a> , Contact: Yves LaFoy, <a href="mailto:yves.lafoy@gouv.nc">yves.lafoy@gouv.nc</a> , or Mary Power, <a href="mailto:mary@sopac.org">mary@sopac.org</a> . Abstract deadline: <u>31 January 2007</u> . Registration deadline: <u>28 February 2007</u> .
2-8 May <b>* NEW *</b>	Sofia, Bulgaria	<a href="#">International Geodetic Students Meeting – ISGM 2007</a> , Deadline for registration <u>15 April 2007</u>
5-6 May	Tainan, Taiwan	<a href="#">4th International Conference on Planning and Design (ICPD)</a> Abstract deadline: <u>1 November 2006</u>
5-9 May	Hanoi, Vietnam	<a href="#">5th International Conference on Research, Innovation &amp; Vision for the Future (RIVF'07) Information &amp; Communication Technologies</a>
8-11 May	Aalborg, Denmark	<a href="#">10th AGILE International Conference on Geographic Information Science</a> Deadline of full papers: <u>November 15, 2006</u> .
12-14 May <b>* NEW *</b>	Kuwait	<a href="#">International conference on Desertification Control in the Arid Region</a> , Contact: <a href="mailto:info-dcar@kisar.edu.kw">info-dcar@kisar.edu.kw</a> . Abstract deadline: <u>March 31, 2007</u> .
13-17 May	Hong Kong China	<a href="#">FIG Working Week 2007</a> Deadline for abstracts: <u>30 November 2006</u> . Deadline for full papers is <u>15 February 2007</u> .
14-18 May	Hobart, Australia	<a href="#">Spatial Sciences Institute Biennial International Conference</a> Abstract deadline: <u>1 September 2006</u> .
15-18 May	Taipei, Taiwan	<a href="#">5th Taipei International Digital Earth Symposium - TIDES 2007</a> , Abstract deadline: <u>December 31, 2006</u> , Contact: <a href="mailto:derc@mail.pccu.edu.tw">derc@mail.pccu.edu.tw</a> .
16-18 May	Istanbul, Turkey	<a href="#">ISPRS Commission VII WG2 &amp; WG7</a> , Conference on Information Extraction from SAR and Optical Data, with Emphasis on Developing Countries, Contact: Conference Secretariat, <a href="mailto:isprs2007ist@itu.edu.tr">isprs2007ist@itu.edu.tr</a>
19-23 May <b>* NEW *</b>	Seoul, Korea	<a href="#">FIG Commission 7 Annual Meeting and one-day open symposium "Good practice Cadastre and Land registry"</a>
20-23 May	New Orleans, US	<a href="#">1<sup>st</sup> Annual URISA GIS in Public Health Conference</a> , Organized by URISA (Urban and Regional Information Systems Association). Call for presentations will be published soon.
21-24 May	Nashville, TN, USA	<a href="#">Intergraph 2007</a>



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<b>21-25 May</b> <b>* NEW *</b>	Hanoi, Vietnam	<a href="#">CEOS WGISS-23 Plenary Meeting &amp; Remote Sensing Workshop</a> , Contact: Ms. Nguyen Thi Tuyet, <a href="mailto:vnpsc@vnn.vn">vnpsc@vnn.vn</a> . Registration deadline: April 20, 2007.
<b>23-25 May</b>	Toronto, Canada	<a href="#">3rd International Symposium on Geoinformation for Disaster Management (Gi4DM2007)</a> Abstract deadline: December 1, 2006. Contact: Dr. Jonathan Li, <a href="mailto:junli@ryerson.ca">junli@ryerson.ca</a> . ( <a href="#">Call for proposals</a> )
<b>26-28 May</b> <b>* NEW *</b>	Nanjing, China	<a href="#">15th International Conference on Geoinformatics (GEOINFORMATICS' 2007)</a> . Theme: Cartography, Spatial Analysis, And Visualization for Harmonious Society, Abstract deadline: March 31, 2007.
<b>27-29 May</b>	St.Petersburg, Russia	<a href="#">International Workshop on Information Fusion and Geographical Information Systems (IF&amp;GIS07)</a> Organized by The research group of object-oriented geoinformation systems.
<b>27 May- 9 June</b>	Jerusalem, Israel	<a href="#">e-Gov International Practice Seminar</a>
<b>28-30 May</b>	Saint Petersburg, Russia	<a href="#">14<sup>th</sup> Saint Petersburg International Conference on Integrated Navigation System</a> Contact: <a href="mailto:elprib-onti@telros.net">elprib-onti@telros.net</a>
<b>28-31 May</b>	Padova, Italy	<a href="#">5<sup>th</sup> International Symposium on Mobile Mapping Technology</a> Organized by FIG Commission 5, IAG and ISPRS. Mobile Mapping Summer School 28 May 2007 and the 5 <sup>th</sup> MMT Symposium 29-31 May 2007. Contact: <a href="mailto:naser@geomatics.ucalgary.ca">naser@geomatics.ucalgary.ca</a> .
<b>June 2007</b>		
<b>2-9 June</b>	Seoul, Korea	<a href="#">International Association for Impact Assessment Conference 2007 (IAIA07)</a> , Abstract deadline: January 31, 2007.
<b>3-6 June</b>	St. Petersburg, Russia	<a href="#">International Conference on Globalisation of Landscape Architecture: issues for education and practice</a> Contact: <a href="mailto:imelnichuk@peterlink.ru">imelnichuk@peterlink.ru</a> or <a href="mailto:ignatiem@lincoln.ac.nz">ignatiem@lincoln.ac.nz</a> . Abstract deadline: November 1, 2006.
<b>6-8 June</b>	Kuching, Sarawak, Malaysia	<a href="#">Rivers 2007: 2nd International Conference on Managing Rivers in the 21st Century</a> Solutions Towards Sustainable River Basins Deadline for papers submission: <u>January 31, 2007</u> . Contact: <a href="mailto:rivers2007@gmail.com">rivers2007@gmail.com</a> .
<b>7-9 June</b>	Prague, Czech Republic	<a href="#">FIG Commission 2 Workshop – Scientia Est Potentia – Knowledge is Power</a>
<b>12-13 June</b>	Bangalore, India	<a href="#">Location India 2007, 3rd International Conference and Exhibition on Vehicle Tracking, Location Intelligence and Surveying</a>
<b>12-15 June</b>	Seoul, Korea	<a href="#">13<sup>th</sup> PCGIAP Annual Meeting</a> Contact: PCGIAP Secretariat: <a href="mailto:sec@pcgiap.org">sec@pcgiap.org</a>
<b>12-18 June</b>	Okinawa, Japan	<a href="#">21st Pacific Science Congress</a> , Theme: Diversity and Change: Challenges and Opportunities for Managing Natural and Social Systems in Asia-Pacific. Abstract deadline: <u>January 15, 2007</u> . Contact: PSC Secretariat, <a href="mailto:psc21@to.jim.u-ryukyu.ac.jp">psc21@to.jim.u-ryukyu.ac.jp</a> .
<b>13-15 June</b>	Enschede, Netherlands	<a href="#">WG II/7 Workshop 5th International Symposium on Spatial Data Quality</a> Submission of abstract: <u>15 November 2006</u> , Early registration deadline: 15 March 2007.
<b>14-16 June</b>	Istanbul, Turkey	<a href="#">RAST 2007 3<sup>rd</sup> International Conference on Recent Advances in Space Technologies</a> , E-mail: <a href="mailto:yucel@nik.com.tr">yucel@nik.com.tr</a>
<b>16-19 June</b>	San Diego, California	<a href="#">7th Annual ESRI Education User Conference</a>
<b>16-19 June</b>	San Diego, California	<a href="#">5th Annual Survey and GIS Summit</a>
<b>18-21 June</b>	San Diego, California	<a href="#">27th Annual ESRI International User Conference</a>
<b>20-27 June</b>	Yokohama, Japan	<a href="#">Geoinformation Forum Japan 2007</a> Contact: <a href="mailto:geoforum@jsurvey.jp">geoforum@jsurvey.jp</a> .



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27-29 June <b>* UPDATED *</b>	Ulaanbaatar, Mongolia	<a href="#">Good Land Administration</a> – Its Role in the Economic Development, Abstracts deadline: <u>2 April 2007</u>
<b>July 2007</b>		
2-6 July <b>* NEW *</b>	Wellington, New Zealand	<a href="#">Antarctica: 50 Years on the Ice</a> – Just the Tip of the Iceberg
2-13 July	Perugia, Italy	<a href="#">IAG/IUGG Conference. IUGG XXIV General Assembly</a>
4-6 July	Auckland, New Zealand	<a href="#">Pacific Asia Conference on Information Systems (PACIS)</a> , Submission deadline: <u>March 3, 2007</u> .
4-6 July <b>* NEW *</b>	Porto, Portugal	<a href="#">13<sup>th</sup> Edition of the EC GI &amp; GIS Workshops</a> , Contact: Rui Pedro Juliao, Prof. Dr. <a href="#">Rui Pedro Juliao</a>
5-7 July	Yokohama, Japan	<a href="#">Geoinformation Forum Japan 2007</a> , Contact: <a href="mailto:geoforum@jsurvey.jp">geoforum@jsurvey.jp</a>
10-12 July	Kuching, Malaysia	<a href="#">5th International Conference on IT in Asia (CITA '07)</a> , Theme: Social computing: engaging communities. Abstract deadline: extended to <u>December 31, 2006</u> .
10-13 July	Hong Kong	<a href="#">4th International Conference on Population Geographies</a> Abstract deadline: <u>20 December 2006</u> .
13 July <b>* NEW *</b>	Brisbane, Australia	<a href="#">Spatial Information for Water Resource Management Workshop</a> , Abstract deadline: <u>May 7, 2007</u> .
15-20 July	Cambridge, England	<a href="#">Cambridge Conference for national mapping organisations</a>
19-20 July <b>* NEW *</b>	Sydney, Australia	<a href="#">Banksia Forum</a> , Contact: <a href="mailto:banksiaforumrego@emgevents.com.au">banksiaforumrego@emgevents.com.au</a>
25 July	Christchurch, New Zealand	<a href="#">Transport 2007</a>
30 July – 4 August	Bangkok, Thailand	<a href="#">Asia Oceania Geosciences Society, 4th Annual Meeting</a> , Abstract deadline: <u>15 February 2007</u> , Contact: <a href="mailto:info@asiaoceania.org">info@asiaoceania.org</a>
<b>August 2007</b>		
1-3 August	Beijing, China	<a href="#">7th International Workshop of Geographical Information System</a> , Contact: <a href="mailto:iwgis@ireis.ac.cn">iwgis@ireis.ac.cn</a>
4-10 August	Moscow, Russia	<a href="#">XXIII ICA International Cartographic Conference</a> Contact: <a href="mailto:info@icc2007.com">info@icc2007.com</a> .
12-14 August	Khanty- Mansijsk, Russia	<a href="#">INTERCARTO-INTERGIS 13 Sustainable Development of Territories: GIS Theory and Practice</a> , Contact: <a href="mailto:svy@npc-monitoring.ru">svy@npc-monitoring.ru</a>
14-15 August <b>* NEW *</b>	Canberra, Australia	<a href="#">Spatially Enabled Government Conference</a>
14-16 August <b>* NEW *</b>	Kuala Lumpur, Malaysia	<a href="#">Map Asia 2007</a> , Abstract deadline: <u>15 May 2007</u> . Contact: <a href="mailto:info@mapasia.org">info@mapasia.org</a>
15-21 August	Honiara, Solomon Islands	<a href="#">PaciNET 2007</a> Deadline for registrations of interest: <u>April 30, 2007</u> . Contact: <a href="mailto:rajnesh.singh@gmail.com">rajnesh.singh@gmail.com</a>
18-24 August	Chun-cheon, Korea	<a href="#">9th Asian Urbanization Conference</a> , Abstract deadline: <u>March 31, 2007</u>
20-24 August <b>* NEW *</b>	Yellowknife, N.W.T.Canada	<a href="#">IPY GeoNorth 2007 - First International Circumpolar Conference on Geospatial Sciences and Applications</a>
21-22 August <b>* NEW *</b>	Petaling Jaya, Malaysia	<a href="#">Geography 2007 Conference</a> , Contact: Prof. Dr. Hamirdin Ithnin, <a href="mailto:geogconference07@um.edu.my">geogconference07@um.edu.my</a> .
28-29 August	Urumchi, Xinjiang, China	<a href="#">ISPRS Workshop on Updating Geo-spatial Databases with Imagery &amp; 5th ISPRS Workshop on DMGIS (1<sup>st</sup> call)</a> Deadline for abstracts: <u>1 February 2007</u> . Deadline for extended abstracts: <u>February 1, 2007</u> . Contact: Dr. Jie JIANG, <a href="mailto:jjie@nsdi.gov.cn">jjie@nsdi.gov.cn</a> , <a href="mailto:jiangjie_263@263.net">jiangjie_263@263.net</a> .



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<b>29 August - 1 September</b>	Bakosurtanal; Jakarta	<a href="#">2nd Indonesian Geospatial Technology Exhibition</a>
<b>Early August</b>	Beijing, China	<a href="#">7th International Workshop of Geographical Information Systems (IWGIS'07)</a> , Deadline for papers: January 1, 2007.
<b>September 2007</b>		
<b>3-6 September</b>	Brisbane, Australia	<a href="#">10th International River Symposium and Environmental Flows Conference</a> Abstract deadline: 31 January 2007.
<b>5-6 September</b>	Shangri-la, Hongkong	<a href="#">Location Asia 2007</a> , Contact: <a href="mailto:info@location.net.in">info@location.net.in</a>
<b>6-8 September</b>	Helsinki, Finland	<a href="#">Seminar on Compulsory Purchase and Compensation</a> , Organised by FIG Commission 9.
<b>8-11 September</b>	Lijiang, China	<a href="#">1st International Symposium on Geospatial Health</a> , Theme: Geospatial Health and Control of Fish-borne Parasites in Asia
<b>10-13 September</b>	Chengdu, China	<a href="#">The Fourth International Conference on Debris-Flow Hazards Mitigation</a> Organized by ICIMOD. Call for papers (Submittal of manuscripts for peer review): August 15, 2006.
<b>12-14 September</b>	Warsaw, Poland	<a href="#">21st ENVIROINFO 2007</a> Environmental Informatics Meets Systems Research
<b>17-18 September</b>	Beijing, China	<a href="#">5th International Conference on Current and Future Trends in Bridge Design, Construction and Maintenance</a>
<b>17-23 September</b>	Guangzhou and Three Gorges, China	<a href="#">2nd International Conference of GIS/RS in Hydrology, Water Resources and Environment (ICGRHWE'07) &amp; 2nd International Symposium on Flood Forecasting and Management with GIS and Remote Sensing (FM2S'07)</a> , Abstract deadline: March 31, 2007. Contact: <a href="mailto:hydrolab@zsu.edu.cn">hydrolab@zsu.edu.cn</a> .
<b>19-21 September</b>	Munich, Germany	<a href="#">Photogrammetric Image Analysis (PIA) 2007</a>
<b>19-23 September</b>	Melbourne, Australia	<a href="#">2007 Conference on Spatial Information Theory (COSIT)</a> Contact: Stephan Winter, <a href="mailto:winter@unimelb.edu.au">winter@unimelb.edu.au</a> .
<b>21-24 September</b>	Nanjing, China	<a href="#">APAC 2007: The Fourth International Conference on Asian and Pacific Coasts</a> Abstract deadline: December, 15, 2006. Contact: <a href="mailto:jfge@nhri.cn">jfge@nhri.cn</a> .
<b>24-27 September</b>	Victoria, Canada	<a href="#">2007 Free Open Source Software For Geospatial (FOSS4G) Conference</a>
<b>24-28 September</b> <i>* NEW *</i>	Budapest, Hungary	<a href="#">XIII ISM Congress</a>
<b>25-27 September</b>	Chengdu, China	<a href="#">WG VII/6+7 Joint Conference on Techniques &amp; Applications of Optical &amp; SAR Imagery Fusion 'Mapping without the Sun'</a> Contact: Jixian Zhang, <a href="mailto:zhangjx@casm.ac.cn">zhangjx@casm.ac.cn</a> .
<b>October 2007</b>		
<b>2-5 October</b>	Quebec City, Canada	<a href="#">GeoCongress Quebec 2007</a> Histoire de voir le monde and General Assembly of the Federation des Geometres Francophones
<b>7-12 October</b>	Christchurch, New Zealand	<b>NZIS/South East Asian Survey Conference (SEASC) / CASLE Conference</b> Contact: email: <a href="mailto:nzis@surveyors.org.nz">nzis@surveyors.org.nz</a>
<b>16-19 October</b>	Dongying City, China	<a href="#">3rd International Yellow River Forum (IYRF)</a> Sustainable Water Resources Management and Delta Ecosystem Maintenance, Abstract deadline: October 31, 2006. Contact: <a href="mailto:iyrf@yellowriver.gov.cn">iyrf@yellowriver.gov.cn</a> .
<b>22-24 October</b>	Beijing, China	<a href="#">4th International Conference on Agriculture Statistics (ICAS-4)</a> World Bank Fund Application for <a href="#">this Conference</a> , Contact: <a href="mailto:icas4@stats.gov.cn">icas4@stats.gov.cn</a> .
<b>28 October - 1 November</b>	Perth, Western Australia	<a href="#">2nd IWA - ASPIRE</a> , Contact: <a href="mailto:aspire@awa.asn.au">aspire@awa.asn.au</a>
<b>28 October - 2 November</b>	Rajasthan, India	<a href="#">12th World Lakes Conference</a> Contact: <a href="mailto:dalwani@taal2007.org">dalwani@taal2007.org</a> , <a href="mailto:info@taal2007.org">info@taal2007.org</a>



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<b>28 October - 2 November</b>	Christchurch, New Zealand	<a href="#">9<sup>th</sup> South-East Asian Survey Congress</a>
<b>November 2007</b>		
<b>6-8 November</b> <b>* UPDATED *</b>	Kuala Lumpur, Malaysia	<a href="#">International Symposium &amp; Exhibition on Geoinformation/Global Navigation Satellite System (ISG/GNSS 2007)</a> Contact: Dr. Md. Nor Kamaruddin, <a href="mailto:md.nor@fksg.utm.my">md.nor@fksg.utm.my</a> , Deadline for abstracts: <u>30 April 2007</u>
<b>8-10 November</b> <b>* NEW *</b>	Hong Kong SAR, China	<a href="#">4th International Symposium on LBS and TeleCartography</a> . Organised by Department of Land Surveying and Geoinformatics of the Hong Kong Polytechnic University and the Vienna University of Technology and co-sponsored by ICA and IAG commissions.
<b>12-15 November</b>	San Jose, Costa Rica	<a href="#">6<sup>th</sup> FIG Regional Conference</a>
<b>12-16 November</b>	Kuala Lumpur, Malaysia	<a href="#">28th Asian Conference on Remote Sensing (ACRS 2007)</a> , Abstract deadline: <u>July 16, 2007</u> . Contact: <a href="mailto:acrs2007@macres.gov.my">acrs2007@macres.gov.my</a> .
<b>13-16 November</b>	Kuala Lumpur, Malaysia	<a href="#">WG I/6 Workshop on Earth Observation Small Satellites for Remote Sensing Applications</a> Contact: Mazlan Hashim, <a href="mailto:mazlan@fksg.utm.my">mazlan@fksg.utm.my</a>
<b>15-17 November</b>	Riaydh, Saudi Arabia	<b>WG VII/7 Workshop</b> , Contact: Sultan Al Sultan, <a href="mailto:rsensing_2004@yahoo.com">rsensing_2004@yahoo.com</a>
<b>21-24 November</b> <b>* NEW *</b>	Cairns, Australia	<b>Hydro 2007 &amp; Trade Exhibition - Focus on Asia</b> : Meeting the Interface Challenges of the Littoral Zone. Ocean Mapping Group – Multibeam Echosounder Course, Contacts: <a href="mailto:john.maschke@hydro.gov.au">john.maschke@hydro.gov.au</a>
<b>24-26 November</b>	Kuwait	<a href="#">3rd Annual GIS Conference and Exhibition</a> , Postponed from February to November.
<b>27-29 November</b>	Taipei, Taiwan	<a href="#">2007 Conference on Urban Disaster Reduction</a> Abstract deadline: <u>31 March 2007</u>
<b>December 2007</b>		
<b>4-6 December</b>	Moscow, Russia	<a href="#">3rd International conference "Earth from space - The Most Effective Solutions"</a> Contact: <a href="mailto:conference@scanex.ru">conference@scanex.ru</a> . Abstract deadline: <u>September 20, 2007</u> .
<b>10-12 December</b> <b>* NEW *</b>	Bahrain	<a href="#">2007 Middle East Spatial Technology Conference &amp; Exhibition</a> , Abstract deadline: <u>28 February 2007</u> .
<b>12-14 December</b> <b>* NEW *</b>	Delft, Netherlands	<a href="#">3D Geoinfo07. 2nd International Workshop on 3D Geo-Information</a> : Requirements, Acquisition, Modeling, Analysis, Visualization. Contact: <a href="mailto:3Dgeoinfo07@tudelft.nl">3Dgeoinfo07@tudelft.nl</a>
<b>January 2008</b>		
<b>January</b> <b>* NEW *</b>	Valencia, Spain	<a href="#">Commission 3 Annual Meeting and Workshop "Spatial Information in Environmental Management"</a> , Organized by FIG Commission 3
<b>12-15 January</b> <b>* UPDATED *</b>	Jinju, Korea	<a href="#">6th International Symposium on City Planning and Urban Management in Asian Countries</a> , Deadline date of abstract: <u>15 April 2007</u> .
<b>February 2008</b>		
<b>5-8 February</b>	Sydney, Australia	<a href="#">Global Workshop on High Resolution Digital Soil Sensing &amp; Mapping</a> , Contact: <a href="mailto:viscarra-rossel@usyd.edu.au">viscarra-rossel@usyd.edu.au</a> .
<b>March 2008</b>		
<b>10-14 March</b>	Perth, Australia	<a href="#">WALIS International Forum 2008 - Management of Geographic Information</a> , Contact: David Lee Steere, <a href="mailto:davidls@walis.wa.gov.au">davidls@walis.wa.gov.au</a> .
<b>May 2008</b>		
<b>10-14 May</b> <b>* NEW *</b>	Lisbon, Portugal	<a href="#">13<sup>th</sup> FIG Symposium on Deformation Measurements and Analysis (WG 6.1) with the 4<sup>th</sup> IAG Symposium on Seodesy for Geotechnical and Structural Engineering (SC 4.2)</a> – Measuring the Change



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<b>June 2008</b>		
<b>14-19 June</b> <b>* NEW *</b>	Stockholm, Sweden	<b><u><a href="#">FIG XXXI General Assembly and Working Week</a></u></b> Contact: FIG Office, <a href="mailto:fig@fig.net">fig@fig.net</a> .
<b>July 2008</b>		
<b>1-5 July</b>	Beijing, China	<b><u><a href="#">Spatial Accuracy 2008</a></u></b> Contact: <a href="mailto:accuracy2008@spatial-accuracy.org">accuracy2008@spatial-accuracy.org</a> .
<b>3-11 July</b>	Beijing, China	<b><u><a href="#">XXI ISPRS Congress</a></u></b> Contact: Chen Jun, <a href="mailto:congressdirector@isprs2008-beijing.org">congressdirector@isprs2008-beijing.org</a> .
<b>3-11 July</b>	Beijing, China	<b>4th International Symposium on Geospatial Information for Disaster Management (Gi4DM 2008)</b> , Contact: Sisi Zlatanova, <a href="mailto:s.zlatanova@otb.tudelft.nl">s.zlatanova@otb.tudelft.nl</a> .
<b>August 2008</b>		
<b>5-15 August</b> <b>* NEW *</b>	Oslo, Norway	<b>33rd International Geological Congress (IGC)</b>
<b>September 2008</b>		
<b>29 September–3 October</b>	Darwin, Australia	<b>14<sup>th</sup> Australasian Remote Sensing &amp; Photogrammetry Conference (ARSPC)</b>
<b>September (tbc)</b>	Nanjing, China	<b>4th World Urban Forum</b> , Organized by UN-Habitat.
<b>May 2009</b>		
<b>3-8 May</b> <b>* NEW *</b>	Eilat, Israel	<b><u><a href="#">FIG Working Week and XXXII General Assembly – New Horizons across the Red Sea – Surveyors Key Role in Accelerated Development</a></u></b> , Contact: <a href="mailto:fig@fig.net">fig@fig.net</a>
<b>August 2009</b>		
<b>2-15 August</b> <b>* NEW *</b>	Rio de Janeiro, Brazil	<b><u><a href="#">XXVII General Assembly of the International Astronomical Union</a></u></b>
<b>April 2010</b>		
<b>9-16 April</b> <b>* UPDATED *</b>	Sydney, Australia	<b><u><a href="#">International Federation of Surveyors (FIG) 2010</a></u></b> , Contact: <a href="mailto:info@isaust.org.au">info@isaust.org.au</a>
<b>April/May 2010</b>		
<b>April/May</b> <b>* NEW *</b>	Marrakech, Morocco	<b>FIG Working Week and General Assembly</b>
<b>May 2010</b>		
<b>May</b> <b>* NEW *</b>	Hong Kong	<b>FIG Working Week 2012</b>

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