



# Spatial Data Infrastructure - Asia and the Pacific Newsletter

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SDI-AP 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 efforts. 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 ([GSDI](#)) Secretariat 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 25<sup>st</sup> of each month to: [sdi-ap@gsdi.org](mailto:sdi-ap@gsdi.org) so that we can include them in the 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

## Input to this Issue

Thank you to Max Craglia, Department of Town & Regional Planning/Sheffield Centre for Geographic Information & Spatial Analysis, University of Sheffield; Won Gyu Choi, Korea Ministry of Construction & Transportation for their contributions to this issue of the newsletter.

## SDI News, Links, Papers, Presentations

[Map Asia 2005- First Announcement and Call for Papers](#), 22-25 August 2005. Jakarta, Indonesia

To meet the requirements of the Geo-informatics community in the Asian region, Map Asia 2005 raises a platform for the Asian Geo-informatics community to realize, recognize, and reveal the stages of dissemination of Geospatial Information for Empowering people. Every year Map Asia leverages an international initiative aimed to provide an apt platform for the convergence, sharing and use of Geospatial technologies. This year, Map Asia 2005 themes and focuses on ' Empowering people through Geospatial Information". Founded in the year 2002, Map Asia is the largest Annual Asian Conference and Exhibition in the field of GIS, GPS, Aerial Photography and Remote Sensing. Deadline for abstracts: 30 May 2005.

[The 42nd CCOP \(Coordinating Committee for Geoscience Programs in East and South East Asia\) Annual Session and the 46th CCOP Steering Committee Meeting](#), 19-20 September 2005. Beijing, China

CCOP in cooperation with the Government of People's Republic of China through the China Geological Survey, Ministry of Land and Resources will organize the 42nd CCOP Annual Session and the 46th CCOP Steering Committee Meeting on 13-18 September 2005 and 19-20 September 2005, respectively at the Minzu Hotel, Beijing, China. For more information on these meetings, you may download its Second Circular from this link: [http://www.ccop.or.th/pdf/events/2nd\\_circular\\_42AS&46SC\\_chn.pdf](http://www.ccop.or.th/pdf/events/2nd_circular_42AS&46SC_chn.pdf) Details of the meetings will be made available soon.



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**[Congress and Seminar Proceedings of 3rd FIG Regional Conference](#)**, 3-7 October 2005. Jakarta, Indonesia  
The 3rd FIG Regional Conference was organised by FIG, Ikatan Surveyor Indonesia and Bakosurtanal in Jakarta 3-7 October 2004. The conference was attended by more than 350 delegates from 33 countries including more than 120 international participants. [Proceedings](#) are available on the FIG web site.

**[11th EC GI & GIS Workshop](#)**, 29 June 2005. Alghero, Sardinia  
Over the last few years, the EC GI & GIS Workshop has focused on the Development of a European Spatial Data Infrastructure (ESDI) reviewing work in progress (Dublin 2002), user needs (Coruna, 2003), and the state of the art (Warsaw, 2004). This year's choice of theme: ESDI: Setting the Framework. The Workshop will be organized through a series of plenary sessions addressing common policy issues, and parallel sessions focusing in particular on applications / implementations of SDIs, and research issues.

**[Asian Disaster Preparedness Center \(ADPC\) attains inter-governmental status](#)**  
The Asian Disaster Preparedness Center (ADPC) announced that it has been granted Inter-governmental Organization status by the Royal Thai Government. The official signing of the charter with signatory states Thailand, Bangladesh, Cambodia, Nepal, Pakistan and the Philippines took place at a ceremony held at the Ministry of Foreign Affairs, Thailand on February 28, 2005. In his remarks, Dr. Surakiart Sathirathai, Minister of Foreign Affairs, said "This Charter will now pave a way for the ADPC's transformation into a fully-fledged regional organization with international status, both in terms of governance as well as activities".

**[Report on ANZLIC Metadata Workshops hosted by ANZLIC's Spatial Data Infrastructure Standing Committee](#)**  
The catalyst for the ANZLIC Metadata workshops was the recent release of the [Australian Government's recommended profile for ISO19115](#). Other jurisdictions have developed, or are in the process of developing, their own profiles for the new international geospatial metadata standard (ISO 19115:2003). The workshops explored the opportunity to harmonise these efforts. Issues covered at the workshops included: Alignment of current ISO19115 profile development activities. Is there a requirement for ANZLIC to develop a minimum profile for ISO19115 and ISO19139 based on the jurisdictional efforts to date? If so, how? Development of compliant metadata tools (including user functional requirements and involvement of vendors). Status of geospatial web services metadata implementation based on the Open Geospatial Consortium's OpenGIS® Catalog Services Specification 2.0 and ISO19119. Potential requirement for the linkage of "dataset" metadata and "web services" metadata and their companion data directories (e.g. ASDD) and service catalogs, based on the experience of several existing projects and following on from the ASDD Workshop held in Canberra in May 2004.

**[GML and Geo-Spatial Web Services Conference 2005](#)**, 18-22 July 2005. Vancouver, Canada  
GML Days 2005 is the fourth annual conference on the OGC Geography Markup Language (GML) and Web Services for GIS. GML is rapidly emerging as the world standard for the XML encoding of geographic information and is the foundation for the Geo-Web. GML is being applied to a wide range of geographic applications including homeland security & critical infrastructure protection, integrated land and resource management, location-based services, telematics and intelligent transportation systems, and oceanography. This conference is for people who are interested in GIS data interoperability or the application of web service technology. At GML Days 2005 you can learn about new GML and Web Service Technologies, advances in OGC specifications, and see new products and services in action. Deadline for abstracts: [27 May 2005](#).

**[Urban and Regional Information Systems Association \(URISA\) to Lead FGDC's Street Address Data Standard Effort](#)**  
The Federal Geographic Data Committee (FGDC) recently accepted a proposal submitted by the Urban and Regional Information Systems Association (URISA) to create a Street Address Standard. The objective of this effort is to create data content, classification, transfer, and quality standards for street addresses. URISA submitted a formal proposal to the Federal Geographic Data Committee (FGDC) to begin the work. The proposal was accepted. The results of this consensus-driven process will be submitted through the FGDC's formal standards approval process. If they are accepted, the Census Bureau will maintain the standards under the auspices of its duties as theme lead for the Federal Subcommittee on Cultural, Society, and Demographics.



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### [Galdos Systems Inc, InCom Korea delivers traffic information solution to Korea Telecom](#)

Galdos Systems Inc and InCom Korea today announced the delivery of an open standards based traffic information system. InCom Korea and Galdos Systems will be delivering to Korea Telecom a standards based solution enabling the real time delivery of routing and traffic information to customers through cell phones and PDAs. Basing solutions around widely accepted standards, in particular GML, enables providers to quickly and cost effectively both extend and enhance their offerings through alliances with data providers. These alliances can easily leverage and incorporate this shared information into larger packages being delivered to their customers. InCom Korea has integrated Galdos products with their own to deliver a comprehensive traffic information solution

### [Food Producers Go to Market with GIS](#)

Thanks to a collaborative effort between the University of Illinois Initiative for the Development of Entrepreneurship in Agriculture (IDEA), the Illinois Department of Agriculture, and the Illinois Council on Food and Agricultural Research (C-FAR), food producers, buyers, sellers, and distributors in Illinois now have an online marketing tool. The idea for an Internet marketing tool was an outgrowth of previous C-FAR projects exploring market opportunities for value-added meat products. The goal was to provide a one-stop shop for strategic marketing information for producers and food retailers alike. The goal of the project was to distill and organize the information into an easy-to-use interactive site using state-of-the-art mapping tools that would let users visualize strategic marketing information. The Web site, called MarketMaker ([www.marketmaker.uiuc.edu](http://www.marketmaker.uiuc.edu)), is an interactive site developed in ArcIMS and designed to find supply chain partners, improve knowledge of where food consumers are located, and determine how they make food-related purchasing decisions.

### [OGC to Begin Geospatial Semantic Web Interoperability Experiment](#)

The Open Geospatial Consortium (OGC) Review Board has approved the launch of the Geospatial Semantic Web (GSW) Interoperability Experiment (IE). The Interoperability Experiment will take several important steps towards the development of the Geospatial Semantic Web, where discovery, query, and consumption of geospatial content are based on formal semantic specification. The GSW will enable the meaning of geographic queries to be easily shared among different software systems and online services. Many pieces of the GSW puzzle have been under development in the last several years. This experiment aims to augment existing Web focused mapping specifications (OpenGIS(R) Web Feature Service and Filter Encoding) with a semantic query capability, through the definition of an ontology (a hierarchical structuring of knowledge) for the geospatial intelligence community. The experiment will explore an appropriate distributed architecture to support specific use scenarios. Currently nine organizations are participating in the Interoperability Experiment including players from the public, private and academic areas. Other interested parties are welcome to join the effort and should contact George Percivall at [gpercivall@opengeospatial.org](mailto:gpercivall@opengeospatial.org) for further details.

### [First International Conference on Geospatial Semantics \(GeoS 2005\)](#), 29-30 November 2005. Mexico City

GeoS 2005 aims at providing a timely forum for the exchange of state-of-the-art research results in the areas of modeling and processing of geospatial semantics. Geospatial semantics play an important role for next-generation spatial databases and geographic information systems, as well as specialized geospatial web services. This conference will bring together researchers whose expertise will address such issues as: Theories for geospatial semantic information, Formal representations for geospatial data, Models and languages for geontologies, Alignment and integration of geontologies, Integration of semantics into spatial query processing, Similarity comparisons of spatial datasets, Ontology-based spatial information retrieval, Ontology-driven GIS, Geospatial Semantic Web, Multicultural aspects of spatial knowledge. Deadline for paper submissions: 25 May 2005.

### [Korea is to join the EU satellite-based navigation system project](#)

The Science and Technology Minister of South Korea, Oh Myung, is the latest to approve a plan to join the EU satellite-based navigation system project. The E3.4 billion (\$5.8 billion) project will rival the GPS within five years. South Korea will likely pay at least E5 million to participate in the project. Meanwhile, a group of Israeli companies - including the Defence Ministry's Rafael Armament Development Authority, the state-owned Israel Aircraft Industries, Orbit, and Rokar International - are also trying to participate in the Galileo project. The Israeli government has not asked for formal membership of the consortium, but it has promised US\$20 million (\$25.8 million) if the companies are approved. These moves follow declarations from China, India and Brazil that they will also invest in the system. This is despite the fact that India plans to develop its own augmentation system for the GPS and that China has plans



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to place GPS transmitters on geostationary satellites in order to provide a limited positioning capability. The European Union is embarking on a strategy that is quite different from the US. While the US has consistently refused to share ownership or control of the GPS, the Europeans are courting foreign governments. Their main selling point is that experience in engineering satellite positioning hardware will support billion dollar industries in associated companies. The Europeans are still undecided on who will run Galileo. The Galileo Joint Undertaking is the body established by the EU to implement the system. It is considering which of two consortia should run it on behalf of European taxpayers when it becomes operational. On 25 January, Eurely and iNavSat each delivered their bids. The joint undertaking evaluated both bids and so far has been unable to decide between them. [Source: Asian Surveying & Mapping]

### [Geospatial Information The Future Role of Government released by Land Information New Zealand \(LINZ\)](#)

As a first step in the strategy process, Land Information New Zealand (LINZ) released the discussion document Geospatial Information The Future Role of Government which mentioned some of the geospatial problems facing New Zealand on Thursday 4 November 2004 along with a geospatial online questionnaire. Feedback from 101 key stakeholders (Central Government, Crown Entities, Local Government and the Geospatial Industry) was received on the questionnaire. [Summary of Submissions Report](#) (pdf 669KB) summarising the outcome of the consultation is available. The report will be an important input into helping shape a geospatial strategy for Government.

## GIS Tools, Software, Data

### [GRASS 6.0.0 released](#)

GRASS 6.0.0, a Geographic Information System (GIS) used for geospatial data management and analysis, image processing, graphics/maps production, spatial modeling, and visualization is released. The improvements of the vector architecture cover the new 3D multiattribute, multilayer vector library, a modified NVIZ and a few database management tools. Raster and vector data interoperability is granted through the GDAL/OGR libraries which implement interfaces to OGC standards and common GIS data formats. GRASS 6.0 supports reading and writing large files (> 2GB) if it is possible in your operating system.

### [Free Geodetic Software developed by NGS](#)

National Geodetic Survey of US Department of Commerce released new CR8BB version 6.0. This new version of CR8BB has been reorganized slightly to make manipulating project information, station information, and survey measurements faster and easier. Some SERFIL functions have been expanded and the field checking is now less obtrusive. [Get the new version](#)

### [HighView - An image fusion and pan-sharpening tool](#)

HighView is an advanced image fusion and pan-sharpening software program. It successfully merges low-resolution multispectral bands with high-resolution panchromatic band of recent satellite images (e.g., QuickBird, IKONOS, and Landsat 7 ETM+). HighView can be widely used in various image application fields, such as defense intelligence, urban planning, 3-D visualization, environmental impact assessment, and land cover/use changes. [Download Now](#)

### [MapKing™](#)

MapKing™ provides road map on Pocket PC, PC that help traveler to find ones way. It is also a product of computing and mapping professionals in several major South East Asian Cities of different color, races and language. This is a multi-national co-operation product of companies with global horizon.

### [Free ScanMagic Remote Sensing Software](#)

ScanMagic is an software for viewing, analysis and processing remotely sensed data. It features a modern human-engineered graphic user interface. In most cases ScanMagic provides for the complete cycle of activities on preparation of remote sensing outputs without involving additional software tools. This application provides for the analysis of images of up to 4 GB in size in real-time viewing mode, for image re-projection on-the-fly, and for repeating rapid correction and visual evaluation of the image quality in the viewer with the actual time-demanding data processing only at the final stage.



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## **[Intergraph Boosts Open Spatial Enterprises with GeoMedia Version 6.0](#)**

Intergraph Mapping and Geospatial Solutions announced version 6.0 of its suite of GeoMedia(R) desktop and Web products for maintaining, integrating, analyzing and presenting geospatial data to enable an open spatial enterprise. Version 6.0 of GeoMedia adds and improves functionality that simplifies end-user access to enterprise geospatial information while focusing on increasing productivity for individual tasks and workflows, such as data capture, maintenance, analysis and presentation. Improvements include enhanced enterprise capabilities for easier deployment of spatial data, new Web Services that integrate geospatial data in mainstream business applications and an advanced map display environment for high-quality cartographic output. For related press images, visit <http://imgs.intergraph.com/pressimages>.

## **[Trimble Unveils Subfoot GPS Solution for Mapping](#)**

Trimble (NASDAQ: TRMB) introduced its next generation of high-accuracy Global Positioning System (GPS) receivers for Geographic Information System (GIS) data collection and mapping.

## **[Asian soybean rust warning system launched](#)**

Syngenta Crop Protection today launched an early warning web-based system to help growers protect their crops against Asian soybean rust, the disease which has persuaded some US farmers to reduce the number of acres planted with soy crops. The [RustTracker](#) will, according to its manufacturers, helps growers assess their potential for risk associated with rust by giving them the maximum level of information. The data will be collated from Geographical Information System (GIS) mapping technology, Syngenta's Syntinel spore traps, weather forecasts and USDA's sentinel plots, when they become available.

## **[Carbon Project Announces Success at First Open-Geospatial .NET Development Workshop](#)**

The Carbon Project announced that attendees from multiple organizations successfully completed the world's first training course to focus on applied Open-Geospatial Development. The course, Fundamentals of Open-Geospatial Development, was held on April 12-13 at Intergraph in Reston, Virginia. The training leveraged a new free geospatial development toolkit, CarbonTools™, to teach attendees how to rapidly develop open-geospatial applications and access hundreds of online geospatial resources. Based on the Microsoft .NET Framework, CarbonTools provides a API for accessing geospatial web services based on Open Geospatial Consortium (OGC™) specifications. The next Open-Geospatial Development workshop is scheduled for July 13-14, 2005 at Intergraph in Reston, Virginia. Topics to be covered include: an introduction to open-geospatial interoperability, Microsoft Visual Studio .NET and the CarbonTools source-handler-data™ architecture; hands-on exercises to use Geography Markup Language (GML) and OGC services from Intergraph, IONIC, CubeWerx and others; how to rapidly build an air-traffic control simulation using open-geospatial techniques and many others.

## **[Safe Software Announces New Product for Intergraph GeoMedia WebMap Users](#)**

Safe Software Inc announced a new product for Intergraph GeoMedia WebMap users: FME Data Server for GeoMedia WebMap. This product is based on the industry-standard FME core Spatial ETL (extract, transform, and load) technology. This solution enables GeoMedia WebMap users to gain direct access to spatial data in more than 130 different formats, including ArcSDE, Geodatabase, PostGIS, IBM DB2, MapInfo, AutoCAD, and many others. FME Data Server for GeoMedia WebMap takes advantage of Intergraph's GeoGraphic Data Objects (GDO) interoperability technology so that WebMap can now use even more geographic data without having to first translate it from its native format. FME Data Server for GeoMedia WebMap adds a new read-only warehouse connection type to GeoMedia. The FME connection type gives GeoMedia direct access to the FME's semantic data transformation processor and vast library of formats, substantially supplementing GeoMedia's built-in capabilities.

## **Geospatial Research, Applications, Reference Material**

### **[Statistical Indicators for Asia and the Pacific: Vol. XXXV, No. 1, March 2005](#)**

Statistical Indicators for Asia and the Pacific is a publication designed to provide up-to-date monthly data for the purpose of assessing the demographic and economic trends in countries or areas of the region. Data are presented in the form of time series on a monthly or quarterly basis, with selected series accompanied by charts. The publication has been offered in print since 1971. From 2004 onwards the publication is published electronically on a quarterly



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basis with an annual printed compendium made available to subscribers. Subscription information will be provided on this page in due course. In the meantime the electronic version is being developed; quarterly editions are made available in pdf format.

### [Climate Forecast Applications for Disaster Mitigation in Indonesia, Philippines, and Vietnam](#)

This project seeks to strengthen national capabilities to manage impacts of climate fluctuations and reduce their impacts in Indonesia, Philippines, and Vietnam. The three countries experience a highly variable climate, with frequent droughts, floods and typhoons. Coupled with the generally high economic dependence on primary production, climate variability leads to serious impacts such as food and water shortages, population displacements, and disease outbreaks, with a disproportionate impact on the livelihoods and well being of the poorest people. Through this effort, International Research Institute for Climate Prediction (IRI) is collaborating with the Asian Disaster Preparedness Centre (ADPC) to develop end-to-end institutional systems that demonstrate improvement in climate-sensitive sectors in Indonesia, the Philippines and Vietnam. IRI and ADPC are piloting a key tool called Problem Analysis and Implementation Design (PAID). This is a framework for the participatory assessment of climate-related decision processes, the need for climate-related products, and the capacity building. PAID will provide the baseline data for designing implementation plans for the demonstration sites. At each demonstration site, working groups of local and national stakeholders are integrally involved in the PAID process.

### [Geographical clustering of prostate cancer grade and stage at diagnosis, before and after adjustment for risk factors](#)

by Ann Carroll Klassen, Johns Hopkins Bloomberg School of Public Health; Martin Kulldorff, Harvard Medical School and Harvard Pilgrim Health Care; Frank Curriero, Johns Hopkins Bloomberg School of Public Health. Spatial variation in patterns of disease outcomes is often explored with techniques such as cluster detection analysis. In other types of investigations, geographically varying individual or community level characteristics are often used as independent predictors in statistical models which also attempt to explain variation in disease outcomes. However, there is a lack of research which combines geographically referenced exploratory analysis with multilevel models. This publication used a spatial scan statistic approach, in combination with predicted block group-level disease patterns from multilevel models, to examine geographic variation in prostate cancer grade and stage at diagnosis.

### [Using spatial information to improve collective understanding of shared environmental problems at watershed level](#)

by Ivan Luiz Zilli [Bacic](#), David G. [Rossiter](#) and Arnold K. [Bregt](#). The decrease in stream water quality due to intensive agriculture is an environmental problem of concern in various parts of the world. This problem may not be appropriately addressed due to insufficient knowledge of its causes, in particular, the locations of the primary pollution sources and the relative magnitude of the problem under different management scenarios. This paper describes the provision of spatial information and the results of spatially explicit pollution modeling exercise to stakeholders in a participatory workshop, and evaluates the extent to which this information influenced decision-making. Both visualization and discussion caused major shifts in perception of the problem and suggestions for solutions. Participatory visualization of scenarios enhanced perception and increased understanding of the water pollution problem caused by intensive pig farming and stimulated the collective search for solutions.

### [Proceedings of FIG Working Week and 8th International Conference of the Global Spatial Data Infrastructure](#)

FIG Working Week 2005 and the 8th International Conference of GSDI was held in Cairo from 16 to 21 April 2005. The Organizing Committee consisted of the Egyptian Committee for Surveying and Mapping (ECSM), and the Egyptian Survey Authority (ESA), who together with FIG and GSDI were in charge of the arrangements of this successful and biggest ever FIG Working Week. The conference was attended by almost 900 participants from almost 80 countries. In the conference programme there were more than 400 papers and poster presentations in more than 50 technical sessions and 7 pre-conference workshops. In addition to opening and closing ceremonies there were three high profile plenary sessions. Updated proceedings are available at: [www.fig.net/pub/cairo](http://www.fig.net/pub/cairo), the updates include handouts out those ppt-files that were submitted in time. More information about the conference, to be available by 3 May 2005

### [The Use of Geo-Information Tools and Products in Participatory Land Use Planning \(PLUS\) in Rural Cambodia](#)

by Harald Kirsch. Declining natural resources and land conflicts have become a major problem in Cambodia. In order to counter these negative impacts on the livelihood of the rural population and the assets of the whole country, the application of new tools focusing on integrated long-lasting development is absolutely necessary.



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Participatory land use planning (PLUP) is a modern tool for sustainable management of natural resources in rural area. The implementation of PLUP in villages and communes takes place in 9 steps; getting started, preparation of field work, situation analysis of the community, identification and screening of options for land use changes, Creation of a village natural resources management committee, preparation of future land use plan, village regulations and detailed management plans, submission of the land use plan, the regulations and the management plans for official endorsement and approval, links to extension services and land registration, monitoring and evaluation.

[Total Spatial Information System-The Way Forward in Managing Urban Development Process](#) by Alias Abdullah, Muhammad Faris Abdullah and Muhammad Nur Azraei Shahbudin, International Islamic University Malaysia. The advancement in information and communication technology, particularly in relation to geographical information system, computer aided design, database management system, and facility management system, has provided the opportunity for urban government to adopt innovative and effective technologies to aid and improve the management and decision-making in urban development process. This paper discuss the four elements (organization, procedure, technology and data) that need to be taken into consideration when developing spatial information system for managing urban development process. Additionally, this paper also highlights the efforts of the International Islamic University Malaysia in developing its own spatial information system.

### Training Opportunities

[Regional Training Course on The Use of Geographical Information System and Remote Sensing for Coastal Zone Management](#), 4-15 July 2005. Bogor, Indonesia. BIOTROP- MIT (Master of Science Programme in Information Technology for Natural Resources Management) is planning to conduct a Training Workshop on the use of GIS and RS for Coastal Zone Management. The aim of this course is to provide participants with the opportunity to acquire skills and new developments in the field of data acquisition, data analysis and management in coastal zones using GIS and Remote Sensing. The target groups include managers and technical staff working in coastal zone management organizations, geological and soil survey organizations, environmental or planning agencies as well as university staffs. The training course fee for foreign participants is US\$750.00 to cover for tuition fee, food and accommodation, health insurance, training materials and supplies, field trip and other administrative costs. Indonesian participants are required to pay Rp 4,000,000.00, to cover all expenses. Selected participants may be provided partial scholarships from the SEAMEO Educational Development Fund. Deadline for applications: 6 June 2005

[TENTH POST GRADUATE COURSE IN "REMOTE SENSING & GEOGRAPHICAL INFORMATION SYSTEM](#), 1 October 2005-30 June 2006. Dehradun, India. The Center for Space Science and Technology Education in Asia and the Pacific announced 10<sup>th</sup> post graduate course in RS & GIS. This course is directed towards the following categories of professionals; University Educators, Natural Resources and Environmental Management Professionals and Specialists. Candidates should have master's degree in science or bachelor's degree in Engineering or equivalent qualification. Graduate level knowledge in mathematics and statistics is also required. The number of participants will be 20. The overall expenses for the course includes besides the international travel (to and from Dehradun), the course fee, living expenses and local tours as given below; Course fee (US\$6000), Local tours (US\$1200), Living expenses (US\$1100). For the current course, Government of India has offered to bear the course fee of US\$6000 per participant of the Asia-Pacific region selected by the Center. The center is also trying to obtain financial assistance for international travel for a limited number of participants of the Asia-Pacific region through agencies like UN Office for Outer Space Affairs. Last date of receipt of applications: 15 May 2005.

### [Customized Course for RS & GIS Training](#)

National Remote Sensing Agency (NRSA) of Government of India provides the special courses in the areas of Remote Sensing and GIS Applications organized upon request by user organisations. At least 12 trainees have to be sponsored for such courses. The course content and duration are designed based on the user requirements. Depending on the computer usage and the course duration, the fee is worked out. Those who are interested may contact course [coordinator](#) for details.



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**[Principles of Spatial Data Handling: Databases, GIS and Remote Sensing](#)**, 3 months from 3 October 2005. Enschede, The Netherlands. International Institute for Geo-Information Science and Earth Observation (ITC) has the course to provide the participants with a deepened understanding of the workings of spatial data and geo-information. The course takes the perspective of the process of producing geo-information from air- and space-borne devices, using various tools and techniques, arriving at geo-information sources for consumption by the human decision-maker. An important characteristic of the course is the extensive amount of practical exercises that have been set up in support of understanding the principles. This course is designed for: Professionals from organizations which are dealing with geo-spatial information such as national mapping organizations, national surveys, bureaus of statistics, national cadastres, and other providers for the national geo-information infrastructure, to name but a few. Academic background at BSc level in a field relevant to the course, or comparable industrial experience and Professional experience: in a field relevant to the course are needed. The tuition fee for this course is Euro 2,500. The Netherlands Ministry of Foreign Affairs awards a number of fellowships annually under the Netherlands Fellowship Programme (NFP). For more information on NFP fellowships contact the local Dutch Embassy or go to the NUFFIC web pages at <http://www.nuffic.nl/nfp/>. Application deadline: 1 August 2005, 1 June 2005 (NFP Fellowship Applicants).

**[Basic Course on Remote Sensing and GIS](#)**, 20 Jun - 01 Jul 2005. Pathumthani, Thailand  
GIS Application Center of Asian Institute of Technology has the international training course to provide the basic remote sensing & GIS techniques and spatial analysis skills to the participants for integrated watershed development and management. Beside fundamentals, the course will cover practical remote sensing and GIS applications using case studies from the Asia-Pacific region. The target groups include Agriculturists and Agricultural Engineers, Soil Conservation workers, Forestry Officials, Natural Resources Development Planners and Managers, Rural Development Workers and NGOs and Water Resource specialists. The tuition fee is US \$ 1,800. No deadline given.

**[13<sup>th</sup> Community Based Disaster Risk Management \(CBDRM 13\)](#)**, 4-15 July 2005. Bangkok, Thailand  
This course is organized by Asian Disaster Preparedness Center (ADPC). This course will provide an opportunity for learners to acquire tools and obtain knowledge on how to design and implement programs for reducing disaster risks and vulnerability and building community capacity to promote a culture of safety. Through exercises and simulations, the learners will practice risk assessment and risk management planning. The learners will have a chance to know about globally acknowledged programs and projects on community based disaster risk management from leaders of these initiatives. It will cater to the competency and knowledge needs of operations level people who will be involved in designing and implementation of CBDRM projects and programs in their organizations (Local government departments, NGOs, INGOs, UN, IFRC, Emergency response agencies and or Private sectors). The course fee is US\$2000 per participant. The number of the class is limited to 30 and ADPC accepts learners on a "first come, first serve" basis. For more information, contact: [tedadpc@adpc.net](mailto:tedadpc@adpc.net)

**[Summer 2005 GeoDa Workshop](#)**, July 25-27, 2005. University of Illinois, Urbana-Champaign, USA  
This workshop is an introduction, no background in GIS or spatial statistics is required. It will be held in the state of the art multimedia teaching facilities of the College of Liberal Arts and Sciences at the University of Illinois, Urbana-Champaign. Lectures and demonstrations will be given in the mornings and hands on laboratory work will be carried out in the afternoons. There will also be an opportunity to discuss research problems with Dr. Anselin. Each participant will receive a CD containing the latest version of GeoDa, a tutorial, sample data sets and other supporting materials. The workshop is aimed at both new and more experienced users of the GeoDa software for spatial data analysis. The fee is \$1,200 per person (payable by credit card only). Web-based [registration](#) only (first come first served).

**[Free Geography 101 Online Course](#)**  
This is an online email course for the basics of geography. These lessons are designed to give geography enthusiasts a well-rounded overview of the discipline. This is also a resource for students of introductory geography courses. The lessons will come to you in the form of ten weekly email newsletters. Signing up at <http://geography.about.com/c/ec/1.htm>, first geography lesson will arrive soon.

**[Open-Geospatial Training "Fundamentals of Open-Geospatial Development"](#)**, July 13-14, 2005. Reston, VA, USA. This course is for professionals and students who want to quickly learn the basics of open-geospatial development. This class provides a solid foundation in open-geospatial development and the hands-on skills you



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need to get started now. In this course you'll learn the basics of OGC™ open-geospatial development using [CarbonTools 2](#). CarbonTools 2 is a free toolkit created by [The Carbon Project](#) that leverages the power of .NET and geospatial web services that implement [OGC™](#) standards. The course fee is \$1,095.00 if registered by 30 June 2005. For more information, contact [info@geoleaders.com](mailto:info@geoleaders.com)

## Funding Opportunities, Awards, Support

### [Applied Grants for Disaster Risk Reduction II Program Announcement](#)

The ProVention Consortium is sponsoring a second round of grants to support research on innovative disaster risk management and encourage competent young professionals dedicated to reducing disaster risk in developing countries. Awards will be made to proposals with the potential of making a significant contribution to the field. The selected projects will be awarded a maximum grant of US \$5,000 and must be completed within nine months of award under the guidance of a faculty advisor or a mentor who is a disaster professional. Proposals should focus on the links between disasters, development and the environment, and should fall into three general categories: (i) risk identification and analysis, (ii) risk reduction and (iii) risk sharing/transfer, with preference to be given to activities in the latter two categories. Candidate is national of a developing country. Students studying at international institutions in industrialized countries are not eligible. Candidate is student or professional staff member of organization addressing disaster risk management. Proposals must be received by 15 May 2005 using our e-mail: Grants2 <[dmc@engr.wisc.edu](mailto:dmc@engr.wisc.edu)>

### [New Zealand Development Scholarships \(NZDS\)](#)

The scholarships are for Postgraduate and Undergraduate (limited) study in New Zealand in areas of developmental relevance which will enable students to make a significant impact on return to their home countries. Applicants must be a citizen of an eligible developing country and not have New Zealand or Australian residence status or citizenship (excluding the Cook Islands). Applicants must have a B grade average (or higher) on your most recently completed tertiary qualification. Proposed study must be relevant to the development of your home country. New Zealand Development Scholarships cover tuition fees, enrolment/orientation fees, return economy travel, medical insurance, and an allowance to meet course and basic living costs. Applications close: 27 May 2005.

### [IFS Granting Programme](#)

The International Foundation for Science (IFS) Granting Programme is open for project proposals from developing country scientists who meet the [eligibility Criteria](#) and conduct research on the sustainable management of biological resources. An IFS Research Grant has a maximum value of USD 12,000. The Grant is intended for the purchase of the basic tools needed to conduct the proposed research project - equipment, expendable supplies, and literature - and to arrange fieldwork activities related to the proposed project. IFS is specifically targeting scientists in countries with developing science and technology infrastructures. IFS gives awards for excellence in research to chosen IFS Grantees. The most prestigious, the Sven Brohult Award, is worth USD 10,000 and is given once every 3 years. Two others, the IFS/Danida Award and the IFS Jubilee Award are given annually and have a value of USD 2,000. Project proposals are welcome at the IFS Secretariat throughout the year. For administrative purposes, there is two application deadlines, 30 June and 31 December. However, you are urged not to wait until the deadline - submit your application at least one month before. Deadline for applications: 30 June 2005.

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

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. Candidates apply to the nominating authority in their home country responsible for selecting candidates for study or training abroad under development country programmes. The nominating authority ([Pacific Islands](#)) holds copies of NZAID Short Term Training Award application forms. No deadline given.

### [World Bank Small Grants Program](#)

Created in 1983, the Small Grants Program is one of the few global programs of the World Bank that directly funds civil society organizations. With funds from the Development Grants Facility, the program is administered through the



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Country Offices. NGOs and other civil society organizations who are interested in participating in the Program should contact the [local World Bank Country Office](#). The purpose of the Small Grants Program is to strengthen the voice and influence of poor and marginalized groups in the development processes, thereby making these processes more inclusive and equitable. Thus, it supports activities of civil society organizations whose primary objective is civic engagement of the poor and marginalized populations. Deadline for applications: No deadline given.

### **Postgraduate Training Fellowships for Women Scientists in Sub-Saharan Africa or Least Developed countries (LDC) at Centres of Excellence in the South**

This fellowship programme is for female students in Sub-Saharan Africa or Least Developed Countries (LDCs) who wish to pursue postgraduate training leading to a doctorate degree at a centre of excellence in the South outside their own country. The general purpose of the scheme is to contribute to the emergence of a new generation of women leaders in science and technology, and to promote their effective participation in the scientific and technological development of their countries. Each fellowship will be offered for a maximum of three years and will cover travel expenses and a modest monthly living allowance, the amount of which will be determined in consultation with the host institution. The minimum qualification of applicants is an M.Sc. degree (or equivalent), or an outstanding B.Sc. honours degree, in the following fields of natural sciences: agriculture, biology, chemistry, mathematics, physics, medicine, earth & environmental resources and engineering & technological sciences. Deadline for applications: 30 May 2005.

### **Grants for Scientific Meetings Held in Developing Countries**

TWAS (Academy of Sciences for the Developing World) encourages the organization of high level international and regional scientific activities in developing countries by offering financial assistance to the organizers of conferences, workshops, symposia and special meetings held in these countries. The support is normally provided in the form of travel grants for principal speakers from abroad and/or participants from developing countries other than the country where the meeting is held. The amount provided normally does not exceed US\$3,000. TWAS only considers applications made by organizers of international and regional scientific meetings in developing countries. Organizers of international conferences to be held in developing countries may apply for grants to assist with travelling expenses of principal speakers who are unable to obtain sufficient funds from other sources and/or young participants from the region. Grants are offered for meetings in the following fields of natural sciences: agricultural, biological, chemical, engineering, geological and medical sciences. Deadline for applications: 1 June 2005

### **Endeavour International Postgraduate Research Scholarships (IPRS)**

Each year these highly competitive Australian Government scholarships are awarded to students commencing a research higher degree course. To be considered for an IPRS, applicants need to have an unconditional offer of a place in a research higher degree course (eg masters by research, PhD or other research doctorate) at the University of Melbourne. The University will probably award around 37 new IPRSs in 2005. IPRSs cover full tuition fees for each year of the course and the annual Overseas Student Health Cover (OSHC). Students awarded an IPRS by the University of Melbourne also normally receive a MIRS (living allowance). Students transferring with an IPRS from other institutions are not guaranteed an allocation of a MIRS. IPRS recipients must begin their studies by 30 September.

## Employment Opportunities

### **Human Geographer**, Alice Springs, NT, Australia

Commonwealth Scientific & Industrial Research organization (CSIRO) is seeking a mid-career, or senior, geographer with an established record in cross cultural and interdisciplinary research. Specifically, someone with experience in working in partnership with Indigenous communities in relation to the ecological, social, cultural and economic perspectives on landscapes and their management. The successful applicant will take a leadership role in developing research projects, involving case studies, in support of research capacity building in central Australia for effective institutions for sustainable Indigenous economic development. The appointee must fit into a small multidisciplinary research group in Alice Springs, demonstrate project leadership and the capacity to attract external funding. Applicants should have PhD or equivalent relevant experience, Established academic research record and field work



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experience relating to ecological, social, cultural and economic perspectives on landscapes and their management (particularly in relation to Indigenous peoples). Deadline for applications: 4 May 2005.

### Chief of Geospatial and Earth Monitoring Division

The Chief of Division is responsible for the strategic leadership and management of the Geospatial and Earth Monitoring Division's program(s) of geospatial and earth monitoring survey and their application to client needs. As a member of Geoscience Australia's Executive Board, the incumbent will also contribute to the overall strategic management of the agency. An appropriate degree of Doctor of Philosophy of an Australian university, or comparable overseas qualifications, or other comparable qualifications appropriate to the office. Closing date: 6 May 2005

### Associate GIS Engineer, Kunsan AB, South Korea

An Associate GIS Engineer with at least 2 years of work experience using Trimble GPS and ESRI GIS solutions is required to support the GeoBase program at Kunsan Air Base, South Korea. The Associate GIS Engineer is responsible for geospatial data production including field data collection using both resource/mapping and survey grade GPS. The Associate GIS Engineer must have B.S. Degree in a Scientific or Technical discipline or equivalent work experience. Two years of experience with GIS data development and GPS data collection. Experience with operation of ESRI ArcGIS client solutions (ArcMap, ArcCatalog, ArcToolbox) and Trimble GeoExplorer and 5800 RTK GPS solutions. No deadline given.

### GIS ESRI tools developer / analyst, Dhahran, Saudi Arabia

Applicants should have Bachelors degree in GIS Remote Sensing computer Science, Geography Information Systems or related field Master degree preferred. The position requires a minimum of 5 years of experience in Information technology. At least 3 years must be specialized in the analysis and design of GIS applications. Programming experience with Java for web based ArcIMS is required and Visual Basic for ArcGIS based applications. The successful applicant will develop and test GIS applications based on the defined user requirements and prepare required documentation including both program level and user level documentation, design and produce maps and other graphic products using ESRI suite of products (i.e ArcObjects, ArcIMS, ArcInfo, ArcPad etc) and provide technical assistance to user departments in implementing GIS projects including training employees in GIS procedures and software. No deadline given.

### GIS Applications Developer, Dhahran, Saudi Arabia

Comet Group of Companies is seeking GIS Applications Developer. The successful applicant will develop and test GIS applications based on the defined user requirements and prepare required documentation, including both program level and user-level documentation. He will also design and produce maps and other graphic products using ESRI tool set and maintain the enterprise GIS data model and enforce its standards. Bachelor's degree in GIS, Remote Sensing, Computer Science, Geography, Information Systems, or related field. Applicants should have Masters degree preferred. The position requires a minimum of ten years experience in Information Technology, of which at least five years must be specialized in the analysis and design of GIS applications. A minimum of 3 years experience in developing applications with ESRI ArcGIS 8.x or ArcIMS 3.x tool set is a must. Programming experience with Java for web based ArcIMS is required and Visual Basic for ArcGIS based applications. Deadline for applications: 8 June 2005.

### Executive Director of the International Human Dimensions Programme, Bonn, Germany

The International Council for Science (ICSU) and the International Social Science Council (ISSC) invite applications for the position of Executive Director of the International Human Dimensions Programme on Global Environmental Change (IHDP). the Executive Director will: facilitate the development, implementation and co-ordination of IHDP Science Projects and Joint Projects with the partner programmes; provide overall management of the IHDP Secretariat (about 10 persons); promote the establishment and/or strengthening of national and regional human dimensions committees and research programmes; ensure effective representation and links between IHDP and other relevant research programmes, especially IGBP, WCRP, DIVERSITAS, the ESSP, the sponsoring organisations (ICSU and ISSC), relevant entities of the United Nations system, as well as the international policy community and funding agencies; support the development and implementation of an information strategy which promotes networking within the human dimensions research community and wider practice community. The successful candidate will have an international research reputation in a relevant social science discipline and have



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experience and knowledge about the socio-economic, cultural, behavioural and institutional dimensions of the global environmental change research effort; have excellent skills in staff development, office management and financial management skills. Deadline for applications: 15 June 2005.

### Researcher-livelihood systems analysis, Colombo, Sri Lanka

International Water Management Institute (IWMI) requires a highly competent and motivated individual for the position of Researcher-livelihood systems analysis. The selected candidate will be responsible for developing and implementing research and capacity building activities on the livelihood systems of rural communities dependent on marginal lands and ecologically fragile environments. The incumbent will be expected to generate and support the dissemination of high quality research output. Applicants should have Ph.D. in a natural/social science discipline with a solid knowledge of ecosystems, natural resources management, and specialization in livelihoods analysis. Deadline for applications: 15 May 2005.

### Senior Applications Developer, Riyadh, Saudi Arabia

An advanced mapping project in Saudi Arabia seeks a senior mapping applications programmer to lead the software development team. Candidates must have a B.Sc. degree in computer science or a related discipline, and a minimum of five years of applicable work experience, at least two of which must be in a position of responsibility. Candidates must have experience in supervising all phases of software development projects, and be fluent in English. Solid knowledge of Microsoft development platforms and tools is essential. Experience in Visual Basic, Visual C++ (both versions of 6.0 and .NET platform), relational databases, and Internet programming is required. MCSD accreditation and experience with Bentley MDL programming are highly desirable. Experience in developing software for mapping and GIS applications is highly desirable. Contact: [admin@gdms.gov.sa](mailto:admin@gdms.gov.sa), Deadline for applications: 25 May 2005.

### Project Leader (GIS), New Delhi, India

Lepton Software Export and Research P. Ltd. seeks a Project Leader (GIS) to have Extensive knowledge with Spatial Data with AutoCAD, ArcGIS and Map/Info. Internet Technologies. Candidates should be a Diploma/BE/BTech in Civil/Remote Sensing/Geology/Geography from a reputed institute with consistently high academic record and 1-2 years of relevant experience. Knowledge of GIS software like ARC/INFO, MapInfo, AutoCAD and/or Micro Station is essential. Proficiency in GIS/Map data conversion/Digitization/QC. Knowledge of quality procedures is required. Contact: [info@leptonsoftware.com](mailto:info@leptonsoftware.com), Deadline for applications: 17 May 2005.

### Digital Photogrammetric Specialist, Riyadh, Saudi Arabia

An advanced mapping project in Saudi Arabia seeks a Digital Photogrammetric Specialist to both supervise and perform the stereocompilation of map features, DEM autocorrelation, DTM generation, and QC of DEM and feature data, in accordance with medium scale topographic mapping specifications. Candidates must have a B.Sc. degree in a mapping discipline, and a minimum of six years of applicable work experience, at least two of which must be in a position of responsibility. Candidates must have a solid knowledge of soft copy photogrammetric practices and procedures, topographic mapping principles, spatial databases and feature encoding, surveying datums and projections, and digital terrain modeling. Candidates must have good to excellent communication skills in English. Knowledge of photogrammetric and mapping/GIS products such as Leica Pro600, BAe Systems Socet Set, Z/I Imaging ImageStation application suite, Erdas Imagine, Bentley MicroStation and Geographics, and Integraph GeoMedia, are highly desirable but not mandatory. Contact: [admin@gdms.gov.sa](mailto:admin@gdms.gov.sa), Deadline for applications: 25 May 2005.

### GIS Programmer, Dubai, United Arab Emirates

Informap Production seeks a GIS Programmer to perform Programming in VB and ASP with SQL/Access, Ability to develop applications in ArcGIS/Arcview/MapInfo, ArcIMS site development and maintenance, Automate Data conversion projects, and Technical support for the production department. Candidates should have a Bachelors degree preferably in Engineering, 4 years experience in handling GIS projects, Good knowledge in ArcIMS, Arcview / ArcGIS and MapInfo products, and Willing to relocate to work in Dubai. Contact: [us@informap.ae](mailto:us@informap.ae), Deadline for applications: 27 May 2005.



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## Other

### [Laser-Scan Announces Strategic Alliances in Malaysia](#)

Laser-Scan announced partnership arrangements with MecSpatial and Espatial Resources Sdn Bhd. Effective from January 27th 2005, MecSpatial was appointed as Laser-Scan's exclusive distributor for its products in Malaysia. Laser-Scan is soon to announce a partnership on data in Malaysia with Espatial.

### [MAPINFO SECOND QUARTER EARNINGS PER SHARE INCREASES 71 PERCENT TO \\$0.12 ON REVENUES OF \\$35.5 MILLION](#)

MapInfo Corporation (Nasdaq: MAPS) today reported earnings per share of \$0.12 for the second fiscal quarter ended March 31, 2005, representing a 71 percent increase over the \$0.07 reported for the same period last year. Revenues for the quarter were \$35.5 million compared to \$31.4 million last year. Net income for the second quarter more than doubled to \$2.5 million compared to \$1.1 million in the second quarter of fiscal 2004.

### [RMSI Breaks Ground with Model GIS-Enabled City](#)

The LAVASA Corporation Limited, a company set up for the purpose of developing a hill station lake township near Pune in India, has commissioned RMSI to design and develop its Geo Spatial Infrastructure. Spread over 9000 acres of lush green hills, lakes and forests, the development of this ultra-modern real estate is supported by GIS and other enabling technologies in the community's earliest stages. The first phase of GIS is bringing users from varying backgrounds from site engineers, architects, urban planners, design teams, project managers, environmentalists, tourism professionals and salesmen to a common geo spatial platform. Users can access this web enabled GIS to view, query spatial / non-spatial data, create reports, and link documents to spatial features. 3D visualization and Spatial Analysis tools through ArcScene and Spatial Analyst allow users to get valuable 3-Dimensional analytical capabilities towards site selection and slope analysis. RMSI and LAVASA are jointly working to define the road map for GIS implementation which charts out the components of the system from a present web-based GIS and a Document Management System to a municipal automation system to manage utility networks, generate utility billings, enable automated building permissions workflows, link customer relationship management (eCRM) systems, and build organizational ERP systems. [Source: Directions Magazine]

## Conferences, Events

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

Date	Location	Event
<b>May 2005</b>		
8-11 May	Riyadh, Saudi Arabia	<u><a href="#">ISPRS WG I/4 International Conference on Advanced Remote Sensing for Earth Observation - Systems, Techniques, and Applications</a></u> Abstract submission deadline: January 15, 2005.
9-12 May	Singapore	<u><a href="#">ICCSA2005 - Workshop on Spatial Analysis and GIS: Local or Global?</a></u> Conference theme: Computational Methods, Algorithms and Applications.
16-17 May <b>* NEW *</b>	Tokyo, Japan	<u><a href="#">World Summit on the Information Society (WSIS) Thematic Conference on the Ubiquitous Network Society</a></u> Contact: <a href="mailto:barrett@hq.unu.edu">barrett@hq.unu.edu</a>
17-19 May	Halifax, Canada	<u><a href="#">8th International Conference on Remote Sensing for Marine and Coastal Environments</a></u>
17-20 May	Hannover, Germany	<u><a href="#">ISPRS Hannover Workshop 2005 - High- Resolution Earth Imaging for Geospatial Information</a></u>
18-20 May	Seoul, Korea	<u><a href="#">GIS KOREA 2005</a></u> Contact: <a href="mailto:yoonsb@mocet.go.kr">yoonsb@mocet.go.kr</a> .



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<b>18-20 May</b>	Hanoi, Vietnam	<a href="#">9th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-05)</a> will provide an international forum for researchers and industry practitioners to share their new ideas, original research results and practical development experiences from all KDD related areas including data mining, data warehousing, machine learning, databases, statistics, knowledge acquisition and automatic scientific discovery, data visualization, causal induction and knowledge-based systems. Proceedings will be published by Springer Verlag as a volume of LNAI series. The deadline of papers submission is <u>22 December 2004</u> .
<b>18-21 May</b>	Bali, Indonesia	<a href="#">11<sup>th</sup> Permanent Committee on Geographic Information for Asia and the Pacific (PCGIAP) Meeting</a> Contact: <a href="mailto:m-ito@gsi.go.jp">m-ito@gsi.go.jp</a>
<b>21-25 May</b>	Dubai UAE	<a href="#">11th GCC e-Government Forum</a> . Deadline for proposals for papers/presentations: <u>April 6, 2005</u> . <a href="http://www.datamatix-dubai.com/agenda/participation_egov5.pdf">http://www.datamatix-dubai.com/agenda/participation_egov5.pdf</a>
<b>22-26 May</b>	Alger, Algeria	<a href="#">United Nations - Algeria - European Space Agency Seminar on the Use of Space Technology for Disaster Management: Prevention and Management of Natural Disasters</a> Contact: Mme Raechelle Newman: <a href="mailto:raechelle.newman@unvienna.org">raechelle.newman@unvienna.org</a> .
<b>23-27 May</b>	Ulaanaatar, Mongolia	<a href="#">3rd International Congress Environmental Change in Central Asia</a> Contact: Dr. Michael Walther, <a href="mailto:MWaltherUB@magicnet.mn">MWaltherUB@magicnet.mn</a>
<b>24-27 May</b>	Sesimbra, Portugal	<a href="#">ISESS 2005 (International Symposium on Environmental Software Systems)</a> ISESS 2005 is the latest in a series of conferences and workshops that, since 1995, have provided a forum for presenting and discussing effective information processing techniques for environmental prediction and monitoring. Deadline for abstracts: <u>November 5, 2004</u> .
<b>24-27 May</b>	Seoul, Korea	<a href="#">Sixth Global Forum on Reinventing Government- Toward Participatory and Transparent Governance</a>
<b>30 May – 2 June</b>	Estoril, Portugal	<a href="#">GIS Planet 2005</a> Contact: <a href="mailto:planet@gisplanet.org">planet@gisplanet.org</a> Deadline for 1 <sup>st</sup> round of submissions has been extended until <u>December 9, 2004</u> .
<b>30-31 May</b>	Shanghai, China	<a href="#">5th Global Forum on City Informatization in the Asia-Pacific Region (CIAPR V)</a> Contact: <a href="mailto:jjjie@apcity.org">jjjie@apcity.org</a>
<b>31 May – 3 June</b>	Brest, France	<a href="#">International Marine Data and Information Systems Conference</a>
<b>31 May – 3 June</b>	Borås, Sweden	<a href="#">ForestSAT2005 - Operational Tools in Forestry Using Remote Sensing Techniques</a>
<b>June 2005</b>		
<b>4-5 June</b> <b>* NEW *</b>	Gifu Prefecture, Japan	<a href="#">13th Environment Congress for Asia and the Pacific (ECO ASIA 2005)</a>
<b>6-10 June</b>	Stockholm, Sweden	<a href="#">ISO/TC 211 20th Plenary</a> Contact: Jörgen Wyke, Swedish Standards Institute, <a href="mailto:jorgen.wyke@sis.se">jorgen.wyke@sis.se</a>
<b>8-17 June</b>	Vienna, Austria	<a href="#">Committee on the Peaceful Uses of Outer Space: 2005</a>
<b>9-11 June</b>	Istanbul, Turkey	<a href="#">2nd International Conference on Recent Advances in Space Technologies (RAST 2005)</a> Contact: <a href="mailto:rast2005@hho.edu.tr">rast2005@hho.edu.tr</a>
<b>13-15 June</b> <b>* NEW *</b>	Dushanbe, Tajikistan	<b>Second Regional Meeting on Integrated and Transboundary Initiative on Sustainable Land Management in the High Pamir and Pamir-Alai Mountains, Central Asia</b> Contact: <a href="mailto:pachova@hq.unu.edu">pachova@hq.unu.edu</a>
<b>13-16 June</b>	Ottawa, Canada	<a href="#">5th International Conference on 3-D Digital Imaging and Modeling (3DIM2005)</a> Contact: <a href="mailto:3DIMconf@nrc-cnrc.gc.ca">3DIMconf@nrc-cnrc.gc.ca</a>
<b>16-18 June</b>	Minneapolis, MN USA	<a href="#">Open Source Geospatial '05 – MUM3/EOGEO</a> Call for Presentation Deadline: <u>April 15, 2005</u>
<b>20-24 June</b>	St. Petersburg, Russia	<a href="#">31st International Symposium on Remote Sensing of Environment</a> "Global Monitoring for Sustainability and Security"



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20-24 June	Singapore	<a href="#">ISPRS WG IV/7 Meeting with AOGS2005</a> Deadline for abstracts: February 15, 2005. Contact: <a href="mailto:info@asiaoceania-conference.org">info@asiaoceania-conference.org</a>
21-22 June	Yinchuan, Ningxia, China	<a href="#">Rural and Sustainable Development in West China</a> . Deadline for abstracts: April 10, 2005.
21-22 June	Bonn, Germany	<a href="#">First International Workshop on Next Generation 3D City Models</a>
21-25 June	Hong Kong	<a href="#">5th Conference on Protected Areas of East Asia</a> - "Sustainable Management of Protected Areas for Future Generations" ( <a href="#">second circular</a> )
23-25 June <b>* NEW *</b>	Pathumthani, Thailand	<a href="#">International Symposium on Floods in Coastal Cities Under Climate Change Conditions</a> Contact: Dr. Dushmanta Datta, < <a href="mailto:rnus@ait.ac.th">rnus@ait.ac.th</a> >
26-28 June	Abbottabad, Pakistan	<a href="#">ESDev-2005 - First International Conference on Environmentally Sustainable Development</a> Abstracts due: January 31, 2005.
26-29 June	Bangalore, India	<a href="#">Bringing Space Benefits to the Asia-Pacific Region</a> organized by the the <a href="#">Indian Space Research Organisation</a> and the <a href="#">International Institute of Space Law</a> . Contact: ISRO, <a href="mailto:lochan@isro.org">lochan@isro.org</a> , IISL, <a href="mailto:secretary@iafastro-iisl.com">secretary@iafastro-iisl.com</a> .
27-29 June	Nanchang, Jiangxi, China	<a href="#">International Workshop on Advanced Watershed Modeling, Water Resources Management, and Complex Environment System Studies</a>
27-29 June	Honolulu, Hawaii, USA	<a href="#">2005 AWRA Summer Specialty Conference - Institutions for Sustainable Watershed Management: Reconciling Physical and Management Ecology in the Asia-Pacific</a>
29 June 2005 <b>* NEW *</b>	Alghero, Sardinia	<a href="#">11th EC GI &amp; GIS Workshop</a> Theme: "ESDI: Setting the Framework"
30 June – 2 July	Ubon Ratchathani, Thailand	<a href="#">International Conference "Transborder Issues in Greater Mekong Sub-region"</a> Deadline for abstracts: April 20, 2005. A total of 15 scholarships will be available to presenters from Lao PDR, Vietnam, Cambodia, Thailand and China's Yunnan province. Scholarships include accommodation, transportation, and per diem.
<b>July 2005</b>		
2-7 July <b>* NEW *</b>	Auckland, New Zealand	<a href="#">SRTL-4: The Fourth International Research Forum on Statistical Reasoning, Thinking, and Literacy</a> - The Forum's theme is "Reasoning about Distribution".
3-6 July	Southampton, UK	<a href="#">Cambridge Conference: The Exchange</a> – to be held at Ordnance Survey's head office in Southampton, UK. With a greater emphasis on networking and round-table discussions, CC:The Exchange is designed to strengthen relationships between national mapping organization senior representatives and to complement the 2007 Cambridge Conference. Contact: <a href="mailto:nmonetwork@ordnancesurvey.co.uk">nmonetwork@ordnancesurvey.co.uk</a>
4-7 July	Darwin, NT, Australia	<a href="#">The North Australian Remote Sensing and GIS - NARGIS 2005 – Applications in Tropical Spatial Science</a> Contact: <a href="mailto:gmesser@norgate.com.au">gmesser@norgate.com.au</a> . Deadline for abstracts has been extended; it is now 4 March 2005.
6-8 July	London, United Kingdom	<a href="#">9<sup>th</sup> International Conference Information Visualization</a> Contact: <a href="mailto:IV05@graphicslink.demon.co.uk">IV05@graphicslink.demon.co.uk</a>
9-16 July	La Coruña, España	<a href="#">XXII ICA International Cartographic Conference</a> .
10-15 July <b>* NEW *</b>	Sydney, Australia	<a href="#">IWSM 2005-20<sup>th</sup> International Workshop on Statistical Modelling</a>
17-22 July	Budapest, Hungary	<a href="#">ICHC (International Conference on the History of Cartography) 2005</a> "Changing Borders"
18-22 July <b>* NEW *</b>	Vancouver, Canada	<a href="#">GML and Geo-Spatial Web Services Conference 2005</a> Deadline for abstracts: 27 May 2005.
18-23 July	Tours, France	<a href="#">International Union for the Scientific Study of Population - XXV International Population Conference</a>



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<b>24-29 July</b>	San Diego, CA, USA	<a href="#">ESRI International User Conference</a>
<b>23-26 July</b>	San Diego, CA, USA	<a href="#">Third Annual Survey and GIS Summit</a> This conference bridges the gap between surveying, engineering, and GIS practitioners.
<b>25-29 July</b>	Seoul Korea	<a href="#">IEEE/IGARSS 2005</a> The Geoscience and Remote Sensing Society annually sponsors the International Geoscience and Remote Sensing Symposium (IGARSS). Deadline for abstracts: 21 January 2005. <a href="#">IEEE GRSS Student Prize Paper competition</a> application due: 21 January 2005.
<b>26-28 July</b>	Xiamen, P. R. China	<a href="#">4th International Conference on Environmental Informatics (ISEIS2005)</a> Deadline for abstracts: December 30, 2004; Contact: <a href="mailto:xwang@ryerson.ca">xwang@ryerson.ca</a>
<b>26-29 July</b>	Beijing, China	<a href="#">International Conference on Computer Graphics, Imaging and Visualization (CGIV05)</a> Contact: <a href="mailto:cqiv05@graphicslink.demon.co.uk">cqiv05@graphicslink.demon.co.uk</a>
<b>31 July – 2 August *NEW*</b>	Monterey, California	<a href="#">Society for Conservation GIS Annual Conference</a>
<b>31 July – 2 August</b>	Cleveland, Ohio, USA	<a href="#">4th Annual Public Participation GIS (PPGIS) Conference</a> . Deadline for abstracts: <u>March 11, 2005</u> .
<b>August 2005</b>		
<b>8-13 August</b>	Brisbane, Australia	<a href="#">22nd International Union of Forest Research Organizations (IUFRO) World Congress</a>
<b>17-19 August</b>	Toronto, Canada	<a href="#">13th International Conference on GeoInformatics</a> Theme: "Coping Disasters across Continents". Jointly organized by the International Association of Chinese Professionals in Geographical information Science (CPGIS) and the International Association of Chinese Professionals in Globe Positioning Systems (CPGPS).
<b>22-24 August</b>	Mestre-Venice, Italy	<a href="#">International Workshop 3D-ARCH'2005</a> 3D Virtual Reconstruction and Visualization of Complex Architectures
<b>22-26 August</b>	Cairns, Australia	<a href="#">Dynamic Planet 2005: "Monitoring and Understanding a Dynamic Planet with Geodetic and Oceanographic Tools"</a> A Joint Assembly of the IAG, IAPSO and IABO. Deadline for submission of abstracts: 23 April 2005.
<b>22-26 August</b>	Copenhagen, Denmark	<a href="#">2nd International Workshop on Geographic Information Management (GIM '05)</a> in conjunction with DEXA 2005 and EGOV 2005. Submission of full papers: March 04, 2005.
<b>22-25 August *NEW*</b>	Jakarta, Indonesia	<a href="#">Map Asia 2005</a> Theme: "Empowering people through Geospatial Information" Deadline for abstracts: <u>30 May 2005</u> . Contact: <a href="mailto:info@mapasia.org">info@mapasia.org</a>
<b>25-26 August</b>	Beijing, China	<a href="#">ISPRS WG II/7: 4th International Symposium on Spatial Data Quality</a> Deadline for abstracts: <u>February 28, 2005</u> .
<b>27-29 August</b>	Beijing, China	<a href="#">ISPRS WG II/1,2,7, VII/6 International Symposium on Spatial-temporal Modeling, Spatial Reasoning, Spatial Analysis, Data Mining &amp; Data Fusion (STM'05)</a> Deadline for abstracts: <u>February 28, 2005</u> .
<b>29-30 August</b>	Vienna, Austria	<a href="#">Joint Workshop of ISPRS and the German Association for Pattern Recognition</a> 'Object Extraction for 3D City Models, Road Databases and Traffic Monitoring - Concepts, Algorithms, and Evaluation'. Deadline for papers: <u>April 15, 2005</u>
<b>30 August-2 September</b>	Vienna, Austria	<a href="#">27th Annual Meeting of the German Association for Pattern Recognition (DAGM2005)</a> Deadline for papers: <u>April 4, 2005</u> Contact: <a href="mailto:dagm05@rip.tuwien.ac.at">dagm05@rip.tuwien.ac.at</a>
<b>September 2005</b>		
<b>5-9 September</b>	Stuttgart, Germany	<a href="#">50<sup>th</sup> Photogrammetric Week</a>



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6-8 September	Bologna, Italy	<a href="#">River Basin Management 2005</a> River Basin Management 2005 is the third conference in the series which marks the growing international interest in the planning, design and management of river basin systems -- including all aspects of hydrology, ecology, environmental management, flood plains and wetlands.
7-9 September	Brno, Czech Republic	<a href="#">EnviInfo 2005 - Informatics for Environmental Protection - Networking Environmental Information</a> Deadline for abstracts: February 1, 2005.
7-9 September	Trier, Germany	<a href="#">1st International Conference on Remote Sensing &amp; Geomatics in the Assessment and Monitoring of Land Degradation &amp; Desertification (RGLDD)</a> Deadline for papers: March 31, 2005, Contact: <a href="mailto:rglidd@uni-trier.de">rglidd@uni-trier.de</a>
7-10 September	Nairobi, Kenya	<a href="#">Mapping for Change: International Conference on Participatory Spatial Information Management and Communication</a> Contact: <a href="mailto:pgis2005@itc.nl">pgis2005@itc.nl</a>
7-11 September	Zaragoza, Spain	<a href="#">6<sup>th</sup> International Conference on Geomorphology</a> Deadline for abstracts: March 1, 2005.
11-14 September	Penang, Malaysia	<a href="#">8th International Asian Planning Schools Association Congress</a> . The theme for this conference is Cities for People. <a href="#">Abstracts</a> due 1 March 2005.
12-14 September	Enschede, the Netherlands	<a href="#">ISPRS Workshop - Laser Scanning 2005</a> Deadline for paper submission: April 15, 2005.
12-16 September	Mumbai, India	<a href="#">Global Forum for Health Research 2005 (Forum 9)</a> . The theme of the forum will be poverty, equity and health research. Abstracts should highlight research to reduce inequities in health, and health research through effective action on the social determinants of health. Deadline for abstracts: 31 March 2005.
15-16 September	Montreal, Canada	<b>ISO/TC 211 21st Plenary</b> <a href="http://www.isotc211.org/">http://www.isotc211.org/</a>
16-17 September	Cambridge, U.K.	<a href="#">GEOMED 2005</a> is the fifth international, interdisciplinary conference on geomedical systems. GEOMED brings together statisticians, geographers, epidemiologists, computer scientists, and public health professionals to discuss methods of spatial analysis, as well as present and debate the results of such analyses. Deadline for abstracts: 15 May 2005.
19-20 September <b>* NEW *</b>	Beijing, China	<a href="#">The 42nd CCOP (Coordinating Committee for Geoscience Programs in East and South East Asia) Annual Session and the 46th CCOP Steering Committee Meeting</a>
20-22 September <b>* NEW *</b>	Tel Aviv, Israel	<a href="#">6<sup>th</sup> International Local Authorities Confronting Disasters and Emergencies (LACDE) Conference</a>
25-26 September	Kathmandu, Nepal	<a href="#">International Symposium on Landslide Hazard in Orogenic Zone, Himalaya to Island Arc in Asia</a>
25-27 September	Magdeburg, Germany	<a href="#">Second International ICSC Symposium on Information Technologies in Environmental Engineering (ITEE'2005)</a> The deadline for submission of papers is: February 28, 2005.
26-28 September	Kuwait	<a href="#">Kuwait First International Remote Sensing Conference &amp; Exhibition</a> Deadline for abstracts: June 30, 2005
27 September – 1 October	Torino, Italy	<a href="#">XX CIPA (International Scientific Committee for Documentation and Architectural Photogrammetry) Symposium</a> "International cooperation to save the world's cultural heritage"
30 September – 2 October	Adelaide, Australia	<a href="#">Australian and New Zealand Association of Planning Schools (ANZAPS) 2005 Conference</a>
<b>October 2005</b>		
3-5 October	Vienna, Austria	<a href="#">7<sup>th</sup> International Conference on Optical 3-D Measurement Techniques</a> Contact: <a href="mailto:conf@pop.tuwien.ac.at">conf@pop.tuwien.ac.at</a>



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6-8 October	Hong Kong	<a href="#">The First International Symposium on Cloud-Prone and Raining Areas Remote Sensing (CARRS 2005)</a> will be held at the Chinese University of Hong Kong, Organized by the Joint Laboratory for GeoInformation Science of Chinese Academy of Sciences and the Chinese University of Hong Kong. Abstract Deadline: <u>February 1, 2005</u> .
9-12 October	Kansas City Missouri, USA	<a href="#">URISA's 43rd Annual Conference</a> Abstract deadline extended to: <u>February 11, 2005</u>
9-13 October	Bonn, Germany	<a href="#">6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community</a>
11-13 October	Kitakyushu, Japan	<a href="#">12th Session of the Asia-Pacific Regional Space Agency Forum (APRSAF-12)</a>
14-15 October	Kitakyushu, Japan	<a href="#">UN/IAF Workshop on Space Education for Sustainable Development</a> To review a number of education and capacity building initiatives that are being carried out by various entities through international cooperation and to look for ways to build synergies among them.
14-16 October	Hangzhou, China	<a href="#">ISPRS International Workshop on "Service and Application of Spatial Data Infrastructure"</a> The workshop is a joint workshop of ISPRS working groups, i. e. WG IV/ 1 "Spatial Data Infrastructure", WG IV/ 8 "Spatial Data Integration for Emergency Services" and Inter- Commission WG II/ IV "Dynamic and multi-dimensional Systems and Applications", together with Permanent Committee on GIS Infrastructure (PCGIAP) WGs, The CEOS Working Group on Information Services and Systems (CEOS- WGISS), Global Spatial Data Infrastructure Association (GSDI) and ISO/ TC211 AG on Outreach.
15 October	Beijing, China	<a href="#">ISPRS Workshop in conjunction with ICCV 2005</a> - "Towards Benchmarking Automated Calibration, Orientation and Surface Reconstruction from Images" <a href="#">ICCV 2005</a>
16-21 October	Fukuoka, Japan	<a href="#">56th International Astronautical Congress</a> "Space for the Inspiration of Mankind"
17-20 October	Bilbao, Spain	<a href="#">41st Annual International Society of City and Regional Planners (IsoCaRP) World Congress</a> Expected deadline for papers: <u>end of April 2005</u> .
17-21 October	China, P. R.	<a href="#">27th ICSU Assembly</a> . Organised by the International Council for Science (ICSU).
23-27 October	Sioux Falls, South Dakota, USA	<a href="#">Pecora 16 - "Global Priorities in Land Remote Sensing"</a> Deadline for abstracts: <u>February 15, 2005</u> .
25-29 October	Kusadasi, Turkey	<a href="#">MEDCOAST 2005 (7th International Conference on the Mediterranean Coastal Environment)</a> Coastal systems and conservation issues; Integrated coastal management; Sustainable development of coastal areas; and Coastal engineering, modelling, decision support systems and data management.
31 October - 2 November	Wuhan, China	<a href="#">4th International Symposium on Multispectral Image Processing &amp; Pattern Recognition</a> Abstract Deadline: <u>February 15, 2005</u>
<b>November 2005</b>		
3-4 November	Sofia, Bulgaria	<b>International Symposium on Modern Technologies, Education &amp; Professional Practice in Geodesy &amp; Related Fields</b> Contact: <a href="mailto:milev@bas.bg">milev@bas.bg</a>
19-23 November	Kuwait	<a href="#">7th Gulf Water Conference - Water in the GCC - Towards an Integrated Water Resources Management (IWRM)</a> ( <a href="#">Arabic</a> ) Contact: <a href="mailto:gwater7@kisir.edu.kw">gwater7@kisir.edu.kw</a>



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<b>21-25 November</b>	Bandar Seri Begawan, Brunei Darussalam	<a href="#">8th South East Asian Surveyors Conference (SEASC)</a> . Contact: <a href="mailto:survey@brunet.bn">survey@brunet.bn</a> Full paper submission: <u>2 September 2005</u> . Contact: <a href="mailto:secretariat@seasc2005.org.bn">secretariat@seasc2005.org.bn</a> .
<b>23-25 November</b> <b>* NEW *</b>	Jakarta, Indonesia	<a href="#">Asia Europe Environment Forum (ASEF) Conference</a> -"1/3 of Our Planet: What Can Asia and Europe Do for Sustainable Development?"
<b>29-30 November</b> <b>* NEW *</b>	Maxico City, Maxico	<a href="#">First International Conference on Geospatial Semantics (GeoS 2005)</a> Deadline for paper submissions: <u>25 May 2005</u> .
<b>28 November – 2 December</b>	Khon Kaen, Thailand	<a href="#">First international symposium on the Management of Tropical Sandy Soils for Sustainable Agriculture - a holistic approach for sustainable development of problem soils in the tropics</a> Submissions of abstracts due by <u>28 January 2005</u> .
<b>30 November – 2 December</b>	Moscow, Russian Federation	<a href="#">2<sup>nd</sup> International Conference Earth from Space – the most effective solutions</a> Abstract deadline: <u>August 1, 2005</u> .
<b>December 2005</b>		
<b>12-14 December</b>	Kuwait	<a href="#">Gulf First Urban Planning and Development Conference</a> Abstract deadline: June 30, 2005. Contact: <a href="#">Gulf Urban Planning</a>
<b>12-15 December</b>	Dubai, UAE	<a href="#">Gulf Traffic 2005</a> 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 – <a href="mailto:davyd.farrell@iirme.com">davyd.farrell@iirme.com</a> . <a href="#">Gulf Traffic 2005 Brochure</a> .
<b>27-31 December</b> <b>* NEW *</b>	Kuala Lumpur, Malaysia	<a href="#">International Statistics Conference “Statistics in the Technological Age”</a> Deadline for abstracts: September 15, 2005
<b>January 2006</b>		
<b>February 2006</b>		
<b>24-25 February</b>	Cesky Krumlov, Czech Republic	<a href="#">International Map Trade Association (IMTA) Global Conference and Trade Show 2006</a>
<b>March 2006</b>		
<b>16-22 March</b>	Mexico	<a href="#">4th World Water Forum</a> 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 <a href="#">concept paper</a> .
<b>April 2006</b>		
<b>May 2006</b>		
<b>25-26 May</b>	Orlando, Florida, USA	<b>ISO/TC 211 22nd Plenary</b> <a href="http://www.isotc211.org/">http://www.isotc211.org/</a>
<b>June 2006</b>		
<b>July 2006</b>		
<b>13-17 July</b>	Wollongong and Sydney, Australia	<a href="#">COAST - GIS 06 - 7th International Symposium on GIS and Computer Cartography for Coastal Zone Management</a> . 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
<b>31 July – 4 August</b>	Denver, Colorado, USA	<a href="#">IEEE/IGARSS 2006</a>
<b>August 2006</b>		



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<b>September 2006</b>		
<b>18-22 September</b>	Yokohama City, Japan	<a href="#">7th International Conference on Geosynthetics</a> (geotechnical engineering, environmental engineering, civil engineering, hydraulics, geology, etc.). Deadline for abstracts: <u>31 March 2005</u> .
<b>October 2006</b>		
<b>9-13 October</b>	Santiago, Chile	<b>9<sup>th</sup> International Conference on Global Spatial Data Infrastructure</b> organized by <a href="#">GSDI Association</a> & <a href="#">Instituto Geográfico Militar</a> Contact: <a href="mailto:godi9@igm.cl">godi9@igm.cl</a>
<b>October</b>	Beijing, China	<b>20<sup>th</sup> CODATA (Committee on Data for Science and Technology) Conference</b> Contact: <a href="mailto:codata@dial.oleane.com">codata@dial.oleane.com</a> .
<b>November 2006</b>		
<b>14-15 November</b>	Riyadh, Saudi Arabia	<b>ISO/TC 211 23rd Plenary</b> <a href="http://www.isotc211.org/">http://www.isotc211.org/</a>
<b>November</b>	Singapore	<b>2006 International Map Trade Association (IMTA) Global Conference and Trade Show</b> Contact: <a href="mailto:imta@maptrade.org">imta@maptrade.org</a>

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