



Spatial Data Infrastructure - Asia and the Pacific Newsletter

SDI-AP Newsletter

January 2005

Vol. 2, No. 1

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.

To subscribe to SDI-AP, please do so online at: <http://www.gsdi.org/newslist/gsdisubscribe.asp>
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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 25st of each month to: sdi-ap@gsdi.org so that we can include them in the newsletter.

We encourage you to forward this newsletter onto 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 and Kate Lance

Input to this Issue

Thank you to Carmelle Côté, ESRI (USA); and Calestous Juma, The Kennedy School's Belfer Center for Science and International Affairs (USA) for their contributions to this issue of the newsletter.

* Message from the Editor *

Best wishes to all for 2005. And thank you to everyone who provided news items in 2004.

For 2005 * **please** * I ask that each of you who appreciates the content of the SDI-AP newsletters to take the time to share news items for upcoming issues. It needn't take more than a few minutes to send a useful URL, workshop summary, or an announcement of an upcoming event.

The GSDI Association, in 2005, looks forward to your active engagement in the [SDI discussion forums](#), [8th International Conference on GSDI and FIG Working Week](#), maintenance of the [SDI Cookbook](#), [2005 GSDI Small Grants Program](#), [Intergraph International Grant Program](#), and [ESRI Global Map/GSDI Grant Program](#). By [joining the GSDI Association](#) (or renewing your membership), you'll provide resources to enable GSDI to continue its activities – *including the production of the SDI-AP newsletter*. If you can & would like help sponsor SDI-AP newsletter production directly, please contact sdi-ap@gsdi.org. Thank you.

SDI News, Links, Papers, Presentations

[Korea's GIS market steadily growing](#) [Source: Export America Global Newline Archives 04/2002]

Korea's Geographical Information Systems (GIS) market has been growing steadily, and it is estimated that it will grow annually at a very robust rate of 30 percent year through 2005. The total size of the GIS market in 2001 was \$363.1 million. This was projected to increase to \$456 million in 2002. Entering the 21st Century, Korea has bold plans to achieve a world-class level deployment of information technology (IT) with its governmental organizations taking the lead. In particular, geographic information systems (GIS) will play a central role in the Korean government's environmental monitoring and land management programs. The Korean GIS market is heavily dependent upon



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procurements by governmental entities. The Korean government is implementing the second phase of its 5-year National GIS (NGIS) plan that runs from May 2001 to May 2006. The total NGIS budget for 2002 was U.S. \$84.4 million. The Korean government considered road infrastructure, land management information and intelligent transportation systems (ITS) as the most urgent areas for GIS implementation allocating \$34.6 million to cover these three areas, which accounted for 41 percent of the total NGIS budget in 2002.

[Permanent Committee on Geographic Information for Asia and the Pacific \(PCGIAP\) Joint Workshop of Working Group 1 & 2](#), 7-8 September 2004, Chengdu, China

A joint workshop of PCGIAP WG1 and WG2 was held from September 7 to September 8, 2004 in Chengdu, China. The main objectives of this workshop were 1) to address the status of geodetic datums and availability in all countries for fundamental data and the potential use of regional data nodes as access points for geodetic data; 2) to discuss the possible establishment of a PCGIAP portal and a pan AP framework data set. About 54 people from 10 countries and regions participated this workshop, including Australia (2), India (4), Indonesia (5), Iran(1), Japan (5), Malaysia (1), South Korea (3), Vietnam (2), USA (1), China (20), Hongkong-China (1).

The principal [goal](#) of [Pakistan National Database And Registration Authority](#) is "to develop a sophisticated Data Warehouse environment with support for multiple database management systems at national level for use by authorized users/feeder agencies." In many organizations all over the world despite the availability of more and more powerful computers on everyone's desk and communication networks that span the globe, large number of executives and decision makers can not get their hands on critical information in time that already exists in organizations. This is classified as 'data in jail'. NADRA's [objective](#) is to go beyond the concept of 'data in jail'. For this purpose NADRA has created National Data Warehouse, which is integrated and interfaced with each of the databases other for optimum utilization by all users ensuring economy of effort and resources. NADRA was assigned the job of developing a comprehensive [GIS/LIS](#) to augment its vast data archive in National Data Warehouse. District maps down to Qanogo Halqa and Patwar Circle for rural areas at administrative level were made available in paper format and subsequently converted to GIS format to cover entire country. This spatial database has been enhanced with population and housing statistics at different aggregate levels and now different statistical dimensions, taken from NDW database are being linked to provide demographic trends in terms of location. At present NADRA is in process to enhance this geographic database to include urban areas, census blocks etc. NADRA is also working on NSDI to provide the public with availability and access to organized spatial data, and to improve and support the use of spatial information at community, local, state, and national levels for sustained development and economic growth. The first step to this end is the GIS web site of NADRA. This site provides with two kinds of maps - Dynamic and Interactive. Dynamic map utility presents the static map images with basic statistical information linked, while Interactive map utility provides the same map information with 'zoom' and 'pan' capabilities.

[Explore Qatar](#)

The Centre for GIS's popular mapping application on the web has full Arabic language support including display and printing of labels on the map. See, also, the Centre's [Map Sales Policy](#), [Prices](#), [Copyright](#)

[SDI email discussion lists \(and archives\)](#)

The Global Spatial Data Infrastructure Association (GSDI) has established several email discussion lists so that colleagues may more actively generate and participate in discussions about spatial data infrastructure activities.

Are you interested in discussing technical issues related to SDI developments? Then, join the [Technical Working Group](#) Discussion List.

Are you interesting in discussing legal, economic, social, institutional and ethical issues related to SDI developments? Then, join the [Legal and Economic Working Group](#) Discussion List.

There are also regional discussion lists: [SDI Africa](#) Discussion List - [SDI Asia and Pacific](#) Discussion List - [SDI Europe](#) Discussion List - [SDI North America](#) Discussion List - [SDI South and Central America and the Caribbean](#) Discussion List

You may subscribe to any of the new lists. All are welcome to subscribe. Initially you must click on and subscribe to each list individually. [Note that subscribing to any of these lists is separate from being on the SDI newsletter mailing list]. Once you are subscribed you will receive a confirmation message by email, to which you must reply. After that, you will receive email messages sent to the list by other subscribed members, and you will be able to send mail to the list from your subscribed email address.



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[Developing advocacy materials on statistics for development outcomes](#)

PARIS21 is currently developing advocacy materials to show how greater availability and use of good statistics can improve development outcomes. This is a necessary first step in making the case for (1) increased funding of statistics and statistical capacity building in developing countries, and (2) greater use of statistics in policy-making. To do this, PARIS21 needs your help. They are looking for good and bad examples of the availability and use or lack of use of statistics in relation to their impact on development outcomes. If you have relevant examples from your experiences in your country or institution, please send brief details to contact@paris21.org. [Note from SDI-AP Editor: *Here's an opportunity to emphasize the utility of GIS for spatial analysis and visualization of statistical data*]

PARIS21 will follow up with you for more detail if needed and will confirm with you before any examples are published. Anonymity will be maintained. The target audience is senior policy-makers in developing countries and development agencies, including Ministers of Finance and International Development Association deputies.

Effective advocacy for statistics, both in terms of promoting evidence-based decision making as well as ensuring that statistical activities are properly financed and resourced, is crucial if the long-term vision of developing national statistical systems is to be achieved. While there may be greater awareness of the need for better data generally as a result of the emphasis on global monitoring including MDGs, and on national poverty reduction strategies, the case for further strengthening of official statistics still needs to be made with policy makers and data users at all levels. PARIS21 is in a unique position, not only to undertake advocacy itself at the international and regional level, but also to provide support and access to advocacy material to the managers of national statistical systems. On this page, users will find materials (e.g., videos, brochures, articles) that they can adapt for their own advocacy efforts.

[Humanitarian Early Warning Service](#)

The IASC Humanitarian Early Warning Service (HEWSweb) is an inter-agency partnership project aimed at establishing a common platform for humanitarian early warnings and forecasts for natural hazards and socio-political developments worldwide. The main objective of HEWSweb is to bring together and make accessible in a simple manner the most credible early warning information available at the global level from multiple specialized institutions.

[WSIS Thematic Meeting on Measuring the Information Society](#), Geneva, Switzerland, 7-9 February 2005

The WSIS Thematic Meeting on Measuring the Information Society is being organized under the umbrella of the Partnership on Measuring ICT for Development. It will bring together representatives from all countries involved in the statistical measurement of the information society, with the objective of:

Agreeing on a common list of ICT core indicators to be collected by all countries and harmonized at the international level, which will constitute the basis for a database on ICT statistics

Identifying and addressing the needs of national statistical offices (NSOs) in developing countries as regards technical assistance in the compilation of ICT indicators

Discussing mechanisms to quantify the relevance and contribution of ICT indicators towards improving development and achieving the Millennium Development Goals

Presenting ongoing work concerning the creation and maintenance of an international database on ICT indicators

The outcome of the meeting will provide practical suggestions on policies and programmes that help countries to measure ICT for policy-making. It will produce concrete recommendations to implement the Geneva Plan of Action in the area of ICT indicators for benchmarking and evaluating ICT access and use, as a practical input to the second phase of WSIS (Tunis, November 2005) and its follow-up. The report of the meeting will be presented at the WSIS PrepCom2, to be held in Geneva from 17 to 25 February 2005. **Potential participants should fill in the attached registration form** and send it to emeasurement@unctad.org as soon as possible, but no later than 2 February 2005.

[The third version of the Draft GEOSS 10-Year Plan Reference Document](#) (GEO 203-1) is now available to be downloaded from the front page of the [GEO website](#), on the upper right under the heading "About GEO." Review the cover note on the document carefully.

[U.N. Stresses Science and Technology for Economic Growth](#)

[Innovation: applying knowledge in development](#). UN Millennium Project, Task Force on Science, Technology, and Innovation, 2005. This pre-publication report is available online.



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'Early bird registration' for the [8th International Conference on Global Spatial Data Infrastructure](#) ends 31 January 2005. Any questions can be directed to: fig@fig.net.

GIS Tools, Software, Data

[Resolutions](#) and [Presentations from the workshop and seminars at the 19th ISO TC211 Plenary meeting](#) in Pallanza, Italy, October 7-8, 2004. [Standards in Action workshop - Geography Markup Language \(GML\) Standard - ISO Metadata and associated Standards - Results of OGC Web Services, Phase 2 Interoperability Testbed](#). Note as well a series of [slides on ISO/TC 211](#) that you may download for your convenience and use when presenting the work of ISO/TC 211 (July 2004).

[ISO/TC211 Approves OGC Web Map Service as International Standard](#)

The OGC's WMS Specification (now also ISO 19128) specifies protocols that provide uniform access by HTML clients to maps rendered by WMS enabled map servers on the internet. Software complying to the specification enables automatic overlay, in ordinary web browsers, of map images obtained from multiple map servers, regardless of map scale, projection, earth coordinate system, storage format, or vendor solution.

[IWMI Global Map of Irrigated Area \(1999\) Version b-release](#)

The Remote Sensing and GIS group at IWMI has released the Beta version of a [map of the irrigated area of the world](#). It has been produced using 20 years of data, at 10 day intervals, with 10 km pixel resolution (AVHRR), combined with: global 1km Spot Vegetation data (monthly); JERS 1 radar data (at 100m pixel scale), covering the main forest areas of South America and Central Africa; plus GeoCover 2000 data (nominally 15m, re-sampled to 150m). 628 unique land cover classes have been identified, and various innovative procedures and techniques have been used to classify them. Ground-truth data obtained in India, SE Asia, Africa and South America has been used to refine the classes. The Beta release map shows 53 irrigated classes, derived from the 628 classes in the master file. This Beta release is being disseminated to obtain feedback on the spatial accuracy and definition of irrigated areas. At the moment, we present only the spatial distribution of irrigated areas. Every irrigated area pixel has different degree (% area) irrigated. In order to establish this, IWMI is currently working on a sub-pixel decomposition technique which will precisely establish what percentage of a pixel is irrigated. The study will establish the precise areas irrigated season by season for the entire globe, taking each irrigated area class at a time. They have 2 unique methods under evaluation and are currently working to establish precise areas in version 1.0

-- In the meantime, IMWI would like your reactions on what they have mapped so far. Can you;

- (i) tell them where there should be irrigated area that is not shown on the map?
- (ii) identify places where the map shows irrigated area, but to your knowledge, none exists?
- (iii) note where there are specific areas, where you can identify irrigated area and its crop pattern in your locality? and
- (iv) say if the class groupings make sense to you, and whether you agree with them in locations that you know well? If they are incorrect, what do you think they should be?

Please note, the emphasis on "version- β " is to attract serious scientific comment, discussion and feedback. IMWI's goal is to have a comprehensive release of products, documents, statistics, and maps before the end of May 2005. See link for further details.

Version 1.2.1 of GeoNetwork OpenSource Released

[GeoNetwork OpenSource](#) is a web based Geographic Metadata Catalog System developed by FAO-UN, WFP-UN and UNEP. The system implements the ISO19115 Geographic Metadata and ISO 23950 (Z39.50) standards. Furthermore it provides an OGC-WMS client application [InterMap OpenSource](#) and integrates the [Deegree](#) OGC Web Map Server in its full installer version, including sample data. The application is available in three different forms: As an integrated application combining GeoNetwork metadata catalog, Intermap Web Map Services HTML client/viewer application and the lat/lon Deegree Web Map Server v1 with added time dimension.

As an integrated application combining GeoNetwork and InterMap.

InterMap has been released as a standalone WMS client application, running as an HTML webapp on a webserver.

The update fixes and improves a number of features.

added Spanish language (with credits to Miguel Angel Manso Callejo from EUIT. Topográfica UPM in Spain for the extensive translation work!!)

improved editor (automatic save before modifying of metadata structure)

fixes for UTF8 encoding in distributed search (fix on external library)



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some statistics functions added

contact details have been merged back into the metadata record (this requires running a script while performing the upgrade from version 1.2.0. Nothing has to be done on a fresh installation)

Improvements on the integrated InterMap OGC compliant and ArcIMS compliant map viewer.

Improved metadata support, time support and SLD support on InterMap.

more small fixes and improvements.

Links to operational nodes based on GeoNetwork OpenSource: [FAO GeoNetwork](#), [WFP-VAM SIE](#)

[GeoMedia Transportation Manager Offer for Universities - Are You Maximizing Opportunities to Collaborate with the Transportation Industry?](#)

Universities involved with the transportation industry look for ways to collaborate with their local departments of transportation. Recently, Intergraph Mapping and Geospatial Solutions learned that departments of transportation would be interested in collaborating with universities using GeoMedia technology. Intergraph encourages you to maximize opportunities in your state. Intergraph can help by providing the latest GeoMedia technology and support, and for qualified universities they will offer a GeoMedia Transportation Manager license.

Geospatial Research, Applications, Reference Material

[Online Presentations from Regional Workshop on the Use of Space Technology for Environmental Security, Disaster Rehabilitation and Sustainable Development](#), Tehran, Islamic Republic of Iran/UN Office for Outer Space Affairs, 8 – 12 May 2004

[International Development Association Grant to Kyrgyz Ministry of Ecology and Emergencies](#)

Includes equipping of a GIS Center and Emergency Response Center in Bishkek, for use in both disaster response and recovery efforts and in planning and designing hazard mitigation projects.

The [Ukrainian Land and Resource Management Center \(ULRMC\)](#) is working to implement remote sensing, geographic information systems (GIS), and Internet-based technologies and applications in the Ukraine and other countries in the region. The objectives of ULRMC are to encourage the development and use of civil remote sensing and GIS technologies, to assist in the establishment of national Ukrainian and Central European standards for the open exchange of data, to increase the interactions between the technical and information technology community and public policy makers in Ukraine, and to form public-private partnerships to produce information products for Ukrainian and regional consumers. To illustrate the relevant application of information technologies in achieving these objectives, ULRMC has undertaken several demonstration projects relating to ecological, natural resource, emergency situation, and health projects.

ULRMC has extensive new facilities and a state-of-the-art environment for remote sensing data exploitation and spatial information analysis. Real-time acquisition of over flights from the AVHRR and SeaWiFS polar-orbiting satellites are conducted daily at ULRMC. These data can be routinely processed and analyzed for a wide range of environmental and monitoring applications. ULRMC also provides a venue for the processing of other types of satellite and airborne image data. ULRMC specialists have access to extensive computer hardware and software capabilities for integrating acquired image data with other spatial environmental data and models to learn procedures for creating information products and decision-support tools. ULRMC staff has substantial expertise in all phases of data acquisition, image exploitation, data and information integration and analysis, and information product development.

[The Use of Remote Sensing Data for Drought Assessment and Monitoring in Southwest Asia](#)

This report describes the first results of the development of the near-realtime drought-monitoring and reporting system for the region, which includes Afghanistan, Pakistan and western parts of India. The system is being developed using drought-related characteristics (indices), which are derived from remote-sensing data. The indices include a deviation from the normalized difference vegetation index (NDVI) from its long-term mean and a vegetation condition index (VCI). The goal is to make the system available, via Internet, to all stakeholders in the region, including government agencies, research institutions, NGOs and the global research community. It may be used as a drought-monitoring tool and as a tool for decision support in regional drought assessment and management.



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Linking climate, water and civilization

A new study aims to provide new insights into the key relationships between climate, water availability and human activities in the semi-arid regions of the Middle East and North Africa (MENA). This study is getting under way at the University of Reading. The research will help shape our perception of the past, present and future of one of the most complex – and often troubled – parts of the world. With a major funding award of nearly £1,240,000 from the Leverhulme Trust, a team of Reading researchers, including meteorologists, hydrologists, geologists, archaeologists and geographers, will work together to assess changes in the hydrological climate in the MENA region and its impact on human communities. The one resource common to past and present activity is water, changing from a natural resource to a cultural commodity, and now having become the center of political tension. For more information, contact Craig Hillsley, University of Reading, c.hillsley@rdg.ac.uk or to learn more about the Leverhulme Trust, visit www.leverhulme.ac.uk

Training Opportunities

[IIASA Young Scientists Summer Program 2005](#)

IIASA's annual Young Scientists Summer Program (YSSP) is a three-month (June-August) research program for advanced students whose interests correspond with IIASA's ongoing research. The 2005 program starts on June 1, 2004 and ends on August 31, 2004. Applicants from all over the world are welcome. Students from countries in which IIASA has a National Member Organization (NMO) as well as students from non-NMO countries in both the developed and developing worlds are encouraged to apply. Deadline: 15 January 2005.

[New Online Course in Image Processing for Environmental Studies](#), begins January 10, 2005 and will be open for six months, Fredericton NB, Canada. Covers the use satellite images or aerial photographs for building GIS layers from your desktop. Organized by Prof. Dr. Brigitte Leblon, Faculty of Forestry, University of New Brunswick, bleblon@unb.ca. The image processing software used (Geomatica image processing software by PCI Geomatics Enterprises Inc.) will be available to students during the period of the course. The course is divided in 11 modules to be completed over a period of 6 months. At the end of the course, university certificates will be awarded.

[ITC 2005 Refresher Courses](#)

In 2005, ITC will organize ten refresher courses. Refresher Courses are short courses (mostly two weeks) organised for ITC alumni in their home countries or in their region and are meant to increase the impact and prolong the effect of earlier training. Colleagues and supervisors of an alumnus are also allowed to participate in (a part of) a Refresher Course. Furthermore, alumni of former DGIS and SAIL projects may participate. The Refresher Courses are mainly funded by the Netherlands Fellowship Programme (NFP). In 2005, the following refresher course in Asia will be organised: Vietnam - CASITA: Capacity building in Asia using information technology applications in disaster management. If you have any suggestions for refresher courses in your country, please contact the Bureau Project Services at bps@itc.nl

[GIS Training & International Scholarship Awards Program - The Society for Conservation](#)

The [Society for Conservation GIS](#) will be offering GIS Training, focusing on the ESRI suite of GIS software, prior to and following the Eighth Annual SCGIS Conference, to be held from July 31 - August 2, 2005 at Monterey, California (USA). The SCGIS Conference, as in previous years, is scheduled to coincide with the ESRI User Conference in San Diego, California (USA) from July 25-29, 2005. The SCGIS conference will provide a venue to discuss and promote local and global conservation of natural and cultural resources through geospatial technologies as well as provide a venue to establish long lasting and productive partnerships with fellow conservationists. Conservation GIS users who require financial assistance to enable them to attend the SCGIS and ESRI User Conferences and GIS trainings can apply for limited, competitive scholarships. Scholarship funds will cover partial airfare, and waivers for SCGIS and ESRI User conference registration fees, as well as tuition for the pre and post conference GIS trainings. This year's training curriculum will be dictated by the skill-level of accepted applicants. All efforts will be made to accommodate the accepted applicants specific training needs. Scholarship application requirements are as follows: 1) Applicants must be affiliated with a non-profit conservation organization or a university conservation project in their region or country. Preference will be given to those who make a sincere effort to supply as much of their own funding for travel to the conferences as possible. Scholarship awardees will be required to present a talk and poster at the SCGIS Conference describing their conservation efforts and projects within their organization, present this talk and poster in



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the Conservation Booth/Area at the ESRI User Conference, and be available to volunteer to help run the SCGIS conference. Deadline for SCGIS conference scholarship applications is January 31, 2005. If you have any questions, contact: Charles Convis, Chair - SCGIS International Committee at ecp2@esri.com or Prashant Hedao, Co-Chair International Networks Committee at ecp10@esri.com or Alexander Yumakaev at scgis2005@yahoo.com. [Source: PPGIS.net]

Funding Opportunities, Awards, Support

[The World Bank Seeks Ideas for Environment Projects](#)

The Bank's Development Marketplace plans to award \$3 million for innovative, local projects that provide unique solutions to environmental challenges. The Development Marketplace 2005, with the theme of "Innovations for Livelihoods in a Sustainable Environment," reflects the Bank's determination to support local ideas that improve the lives of poor people while minimizing environmental degradation. The competition is open to civil society groups, social entrepreneurs, youth organizations, private foundations, academia, private-sector corporations and others. The maximum award will be US\$150,000 per proposal. Proposals will be accepted until January 21, 2005. [Guidelines for DM 2005 Competition](#).

[Netherlands Fellowship Programme \(NFP\)](#)

The Netherlands Ministry of Foreign Affairs awards a number of fellowships annually under the Netherlands Fellowship Programme (NFP), with the specific intention of assisting participants from developing countries. For detailed information on NFP fellowships, please contact the Netherlands Organization for International Cooperation in Higher Education (NUFFIC), P.O. Box 29777, 2502 LT The Hague, The Netherlands (e-mail: nuffic@nuffic.nl, <http://www.nuffic.nl/nfp/>). Deadline NFP applications ITC degree courses: 31 January 2005.

[New Zealand AID 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. Generally, 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 holds copies of NZAID Short Term Training Award application forms.

[Australian Development Scholarships](#)

Australian Development Scholarships provide opportunities for people from selected developing countries to undertake post-secondary level study in Australia. Citizens of countries listed at the website are eligible.

[Australian Development Scholarship Information Kit for 2005](#)

The annual ADS information kit contains general information on ADS, together with country specific profiles, a book listing TAFE and undergraduate courses, and a book listing postgraduate courses. The kit is designed to assist short-listed ADS applicants to make informed decisions on courses and institutions in Australia.

The application form is not included in the kit. It is only available from the local AusAID office (or its representative) and is for short-listed applicants only.

[AGROPOLIS - International Graduate Research Awards Program in Urban Agriculture](#)

AGROPOLIS is an awards program managed by the International Development Research Centre (IDRC) that supports innovative master's and doctoral level research. It aims to add to the body of knowledge of urban and peri-urban agriculture, and thereby to support interventions that address critical areas in the industry. The award will cover justifiable field research expenses to a maximum of Canadian \$20,000 per year. Award tenure corresponds to the period of field research, normally no less than 3 months and no more than 12 months. Up to 14 awards will be granted annually, with at least five awards supporting field research at the master's level. AGROPOLIS is intended primarily for researchers from developing countries, including those studying in a developed country and returning to the south after their studies. The research must be for a master's or a doctoral thesis. Researchers must be registered at a university — in the South or the North — that has training and supervisory expertise in the field of urban agriculture or fields relevant to urban agriculture. Deadline: 31 January 2005. Contact: AGROPOLIS@idrc.ca.



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[Co-financing water and sanitation actions with the ACP-EU Water Facility in African, Caribbean and Pacific \(ACP\) Countries](#) Note: originally the closing date was 17 January 2005. This was extended to 31 January 2005.
http://earth.esa.int/tiger/docs/EU_ACP_Water_Facility_guidelines.doc (français - lignes directrices)
http://earth.esa.int/tiger/docs/EC_ACP_Water_Fac_Annex.doc

[2005 United States - South Pacific Islands Scholarship Program competition](#)

The Program, funded by the Bureau of Educational and Cultural Affairs of the U.S. Department of State, is a competitive, merit-based scholarship program which provides educational opportunities for academically talented individuals from South Pacific countries to pursue bachelor's and master's degree study at U.S. institutions in fields that are directly relevant to development needs in the Pacific region. The Program is also intended to give participants opportunities to obtain a broader understanding of the United States. Competition is limited to citizens from the following countries: Cook Islands, Fiji, Kiribati, Niue, Papua New Guinea, Samoa, Solomon Islands, Tonga, Tuvalu, and Vanuatu. Deadline: February 1, 2005, for awards beginning in early August 2005.

[Russell E. Train Fellowships Program - Indonesia, Vietnam, Cambodia and Laos](#)

Effective policy, education, fieldwork, and other conservation initiatives depend on sound technical knowledge and skills. Through Russell E. Train Fellowships, EFN invests in the academic training of conservationists in Africa, Asia, and Latin America in a wide variety of disciplines so that they may gain the knowledge and skills necessary to manage natural resources in diverse and complex contexts. EFN supports both interdisciplinary and specialized studies and allows grantees to pursue opportunities wherever most appropriate, whether in one's home country or overseas. Train Fellowships assist individuals pursuing master's and doctoral degrees. All Train Fellows must have significant conservation experience, leadership potential in their fields, and a commitment to advance conservation in their home countries and regions. The application deadline in Indonesia is February 7, 2005, in Cambodia and Laos is February 1, 2005, and in Vietnam is February 28, 2005. [Application instructions](#).

[Changemakers Innovation Award](#)

The Changemakers.net has a contest underway now to find the best ways citizen sector organizations in any field have found to generate a "citizen base" for their successful and sustainable social change work. Five winners will each win a \$1,000 cash prize. Entries have already come in from Benin, Canada, Congo, India, Kenya, Malawi, Nepal, The Netherlands, Nigeria, Tanzanis, Tibet, the United States, and Vietnam. There you'll find articles of interest, citizen-based models of social change, along with contest submissions, guidelines, and an online form for contest submissions, which must be in English. The deadline for applications, comments, and rating contest entries is 14 January 2005.

[Bill & Melinda Gates Foundation Access to Learning Award](#)

Each year an award of up to US \$1 million is given to a public library or similar organization outside the United States that has an innovative program offering the public free access to information technology. Deadline: February 28, 2005.

[MERIT – UNU/INTECH PhD Programme](#), Maastricht, the Netherlands

MERIT and UNU/INTECH jointly offer a Ph.D. programme in Economics and Policy Studies of Technical Change in Maastricht, the Netherlands. The programme is designed for students who are interested in exploring the theoretical, institutional, and policy issues underlying technological change and in studying the role of technological change in fostering economic growth and development in both industrialised and developing countries. Supervision of the studies will be performed by scholars from both MERIT and UNU/INTECH, while the Ph.D. degree will be granted by the University of Maastricht. The programme begins in September with a curriculum of coursework on the economics, policy and institutional foundations of technological change. Courses will be led by internationally recognised experts from MERIT and UNU/INTECH. Following satisfactory completion of coursework, students write a proposal which, when accepted, leads to supervised dissertation research culminating in the award of a Ph.D. in Economics three to four years after commencing the programme. The tuition fee for this programme is Euro 5,000 per year. A limited number of fellowships will be available for exceptional students. For more information, contact: MERIT - UNU/INTECH Ph.D. Programme P.O. Box 616 6200 MD Maastricht The Netherlands, Email: PhD-program@merit.unimaas. The application deadline for the the September 2005 intake intake is 28 February, 2005.



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Employment Opportunities

[Capacity-building Officer - CGIAR – Challenge Program on Water and Food](#)

The CGIAR – [Challenge Program on Water & Food](#) (CPWF) wishes to appoint a Capacity-building Officer (CBO) to run the CPWF Capacity-building Office and be responsible for the design and implementation of the CPWF Capacity-building Strategy. The successful candidate will be based at the CPWF Secretariat, located at the [International Water Management Institute \(IWMI\)](#), Colombo, Sri Lanka, or with one of the partner institutions of the CPWF. CPWF is particularly interested in receiving proposals for placement through secondment of highly-qualified professionals, including an indication of institutional and logistical support that would accompany the secondment. Deadline: 31 January 2005 or until the position is filled.

[Readvertisement, Environment and Urban Sector Programme – Senior Urban Development Adviser](#), Bhutan
Danida (Danish Ministry of Foreign Affairs) seeks adviser for Environment and Urban Sector Programme – Senior Urban Development Adviser (N2). As a part of Denmark's support to the urban and environmental sectors in Bhutan you will advise the Ministry of Works and Human Settlement in Thimphu regarding urban and regional planning, drafting of urban legislation and the development of regional and urban management. Required: a relevant university/masters degree in Urban/Regional Planning and broad background in urban and regional planning. Experience with working within and assisting governments departments. Fluency in English is required. Applications with Reference no.: 29898-2004/BHU.05 indicated should be sent to Mercuri Urval A/S at muo@mercuri-urval.com, alternatively to the office address: Philip Heymans Allé 5, DK-2900 Hellerup, or faxed to: +45 39 45 65 78. Deadline: 6 January 2005, at 12.00 noon.

[Deputy Director](#), South Pacific Applied Geoscience Commission (SOPAC), Suva, Fiji Islands
Applicants should have sound understanding of the Pacific Islands region and should be capable of developing effective relationships with the member countries of SOPAC and with other Governments and organisations providing funding, technical and scientific support to SOPAC. In addition, the applicants should have a degree in one of the earth sciences or engineering; technical or research experience in geology, geophysics, or engineering; the ability to provide technical and managerial leadership, and to lead a multidisciplinary team effort. Deadline: 10 January 2005.

[GIS ESRI Tools Expert](#), Dhahran, Saudi Arabia
[GIS ESRI tools developer / Analyst](#), Dhahran, Saudi Arabia

[Part Time Trainee Programmer](#), Selangor Darul Ehsan, Malaysia
[ESRI South Asia \(Malaysia\)](#) is hiring a part time trainee programmer. Established in July 1990, the company is the consolidation of extensive expertise and resources of both the ESRI and Leica Geosystems distributors in Malaysia. The geospatial business market is anticipated to continue to grow in the years ahead, and they are looking for qualified and enthusiastic professionals to join their dynamic team. Qualifications: Major in Computer Science or Information Technology; must have a very good working knowledge of the current internet technology; proficient in C#, ASP.NET; familiarity with SQL Server 2000 will be an advantage. No deadline given

[Application Engineer](#), Selangor Darul Ehsan, Malaysia
[ESRI South Asia \(Malaysia\)](#) is hiring an Application Engineer. Established in July 1990, the company is the consolidation of extensive expertise and resources of both the ESRI and Leica Geosystems distributors in Malaysia. The geospatial business market is anticipated to continue to grow in the years ahead, and they are looking for qualified and enthusiastic professionals to join their dynamic team. Qualifications: Minimum of a Degree in Computer Science or related field; must have a very good working knowledge of the current internet technology; Strong programming background in C++ and Java is required; familiarity with development environment like Visual Studio .Net 2003, ASP.NET, Borland Jbuilder, and J2EE would be an added advantage; knowledge of the GIS technology and industry would be an advantage. No deadline given.

Short and Long-Term Positions - Innovative Resources Management, Worldwide
Innovative Resources Management, a Washington D.C. based non-profit specializing in economic development and natural resource management (NRM) projects, seeks to complement our database of consultants and candidates for potential short and long-term positions worldwide. They are looking for individuals with demonstrated skills and 5 or



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more years experience in the following fields: community-based NRM, landscape-level biodiversity conservation, stakeholder coalition building, rural economic development, sustainable agriculture, community forestry, institutional capacity building, natural product development, geographic information systems (GIS) and conflict mediation and training. Field experience, local languages and French or Spanish fluency desirable. Visit www.irmgt.com to learn about IRM's mission and work. Send CV and cover letter to Ms. Rachna Sundararajan at rachna@irmgt.com or fax to 202-293-8386. No phone inquiries accepted. Deadline: January 10, 2005.

GeoMedia International Internships

Real-world work experience is increasingly important in helping students take those critical first steps from the world of academia into the worlds of business and government. Intergraph is addressing this need with the GeoMedia International Internship program. Students are given the opportunity to undertake an internship within Intergraph's worldwide network of offices. The program is aimed at 'GIS application savvy' students interested in a 20-week internship at a leading global mapping and GIS organization. Students from Intergraph Registered Research Laboratories will receive priority consideration for positions.

Software Development Internship, Hoofddorp, The Netherlands

Position available for undergraduate or postgraduate student at Intergraph European Headquarters. Start date: Flexible; Duration: Six-month minimum. A software development internship position is open for an undergraduate or postgraduate student at Intergraph's European Headquarters in Hoofddorp, Netherlands. The intern will work in a multinational, dynamic environment and report to the senior software developer in Europe. The position requires working closely with the central development team at corporate headquarters in Huntsville, Alabama, USA. Requirements: fluent in spoken and written English; experienced in Microsoft Windows environment; good knowledge of Microsoft Visual Basic; Visual C++ is an advantage; good knowledge of RDBMS, DAO, SQL, and UML; ability to work in a flexible, multidiscipline and international environment. If you are a software development student looking for substantial work experience in a leading global organization and meet all of the above requirements, please contact Marek Vaculciak at marek.vaculciak@intergraph.com.

See also & Marketing Research Internship with Intergraph European Headquarters, Hoofddorp, The Netherlands

Associate Professor (Terrestrial global hydrology and climatology), Montreal, Canada

McGill University Faculty of Science/Department of Geography is searching for an individual whose teaching and research will focus on modeling large basin, continental or global-scale movement of freshwater. We are particularly interested in someone whose research couples hydrology with changes in climate, land cover/use, and/or water utilization, and their effect on the freshwater hydrological cycle. The emphasis should be on geophysical controls, biogeochemical transfers, links with climate, and/or integration across scales in hydrological systems. In teaching, resolving the global water cycle and determining how human activity is altering this cycle is recognized as a "grand challenge" in the new inter-departmental undergraduate program in Earth System Science (ESS). The anticipated start date for the position is July 1, 2005. Review of the applications will begin in February 2005 and continue until the position is filled.

Full Professor (Land use and land cover change), Montreal, Canada

McGill University Faculty of Science/Department of Geography is searching for an individual whose teaching and research will focus on building a cross-scale understanding of the drivers and consequences of land use and land cover change. The ideal candidate will have a strong interdisciplinary approach to Earth System Science, integrating biophysical, ecological, economic, political and social processes in a manner that is consistent with the goals of programs such as the International Geosphere-Biosphere Programme (IGBP) and the International Human Dimensions Programme on Global Environmental Change (IHDP), which address the critical role of land use/cover change in Earth system functions through the Land Use and Land Cover Change Project (LUCC) and the new Global Land Project (GLP). Given the influence of land use/cover on climate change, the appointee's expertise would be an obvious asset to McGill's Global Environmental and Climate Change Centre. The anticipated start date for the position is July 1, 2005. Review of the applications will begin in February 2005 and continue until the position is filled.

Full Professor (Spatial Analysis and Decision Support), Amsterdam, the Netherlands

The Institute for Environmental Studies (IVM) of the Faculty of Earth and Life Sciences has a vacancy for the head of the Department of Spatial Analysis and Decision Support (SPACE) of IVM. The department head is expected to play



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a leadership role in the department and in the institute, to coordinate research, to supervise PhD students and to contribute to masters-level teaching. We are looking for a leading scholar with academic qualities of the highest level, evidenced in a PhD and internationally-refereed publications. Various disciplinary backgrounds would be considered, including physical geography, spatial planning, economics, policy sciences, information science and environmental sciences. The candidate should have a good reputation in national and international research networks, with a track-record in initiating and carrying out research projects and programmes. Candidates should be open to and motivated by cooperation with other disciplines. Management experience is preferred. Further information can be obtained from Prof. Frans Berkhout, tel. +31 (0)20 444 9525, e-mail: frans.berkhout@ivm.falw.vu.nl. Applications including a CV and a statement regarding the candidate's vision of the role should be sent before February 10, 2005 to Dr. J.M.R.M. Neutelings, Faculty of Earth and Life Sciences, Vrije Universiteit, De Boelelaan 1085, 1081 HV Amsterdam, e-mail: rob.neutelings@falw.vu.nl.

5 Senior Scientist/Research Professor Positions, Brookings (near Sioux Falls), South Dakota, USA
Geographic Information Science Center of Excellence (GIScCE) at South Dakota State University seeks five tenure-track positions at a rank appropriate to the candidate's qualifications to conduct research on the application of geographic information science/remote sensing in one of the following areas: Satellite Sensor Characterization and Calibration, Water Resources, Geostatistics and Geospatial Analysis, Quantitative Remote Sensing, Ecosystem Ecology. Required: earned PhD in appropriate field with a background in GISc/Remote Sensing and a demonstrated record of successful externally funded applied scientific research in area of specialty. The GIScCE is a new research collaboration between SDSU and the USGS EROS Data Center focusing on earth observation and monitoring. Screening of applicants begins February 1, 2005, and continue until the position is filled.

Other

Green miniAtlas - a quick reference for monitoring environmental performance across countries

With the goal of creating awareness of important development issues in students and youth, the World Bank has launched a new book, Green miniAtlas. The atlas contains easy-to-read maps, tables, and graphs highlighting key environmental data for over 200 of the world's economies. The information in the Green miniAtlas is a quick reference for monitoring environmental performance across countries. It links the environment to the broader development challenges of improving health, raising productivity, and fighting poverty. It is available in English, French, and Spanish.

UN Global E-government Readiness Report 2004 - available online

This year's report comprises two parts. Part I presents the UN Global E-Government Readiness Survey 2004 while Part II presents a special focus on what constitutes disparity in access to ICT. It delves into the issues of what constitutes a lack of access-for-opportunity or the 'access-opportunity divide', what defines it, what governs it and where the countries of the world are placed in terms of their access to ICTs. The Report proposes a taxonomy of countries according to their access opportunities. In doing so it posits the Access-for-Opportunity Framework: a structured re-thinking about accelerating 'real access' for all.

Reducing poverty or repeating mistakes? – a civil society critique of Poverty Reduction Strategy Papers

The report outlines the perspectives, positions and recommendations of PPPR partners in relation to PRSP process, PRSP policy contents, and implementation and monitoring of PRSPs. The detailed and wide-ranging critique given and the recommendations made are directed towards national governments, donors and civil society itself. The report is the result of a desk research study involving partner NGOs linked to the PPPR project in the following countries: Burkina Faso, Zambia, Mozambique, Cambodia, Vietnam, Bangladesh, Honduras, Bolivia and Nicaragua as well as AFRODAD, an organisation working at the continental level.

Launch of a new refereed e-journal: International Journal of Education and Development using Information and Communication Technology (IJEDICT)

A new refereed e-journal: International Journal of Education and Development using Information and Communication Technology (IJEDICT) has been launched. Articles in the first issue will be published early in 2005. The journal is published on the WWW as an open resource journal, i.e., with free and open access to all, but it has the status of commercially published journals by having an International Editorial Board and academic peer-reviewed articles. The



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journal concentrates on ICT in education and development in hitherto less developed parts of the world, e.g., developing countries (especially small states), and rural and remote regions of developed countries. It has a research section for academic, peer-reviewed articles, and a "studies from the field" section for edited (but not peer reviewed) case studies /reports. **Call for Papers** – IJEDICT is now calling for research papers, case studies, reports from the field, book reviews and other submissions you may wish to offer to this community. There is no set deadline - articles are published as soon as they have been reviewed and copyedited. For further details on how to submit your article, please visit the IJEDICT website. [Source: www.ppgis.net]

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

Conferences, Events

Date	Location	Event
January 2004		
6-8 January	Goa, India	11th International Conference on Management of Data (COMAD 2005) COMAD 2005 will focus on new developments in the principles and practices related to data management. The conference will bring together researchers, practitioners, developers and users to present and discuss emerging trends, concepts, techniques, technologies and experiences in data management.
10-14 January	Port Louis, Mauritius	International Meeting for the 10-year Review of the Barbados Programme of Action for the Sustainable Development of Small Island Developing States (had been scheduled to take place from 30 August to 3 September 2004, but was postponed to these dates).
12-15 January * NEW *	Kyoto, Japan	(MPMD-2005) International Conference on Monitoring, Prediction and Mitigation of Water-Related Disasters . Contact: Kaoru Takara, Secretary-General, MPMD-2005, mpmd2005@rdp.dpri.kyoto-u.ac.jp
17-20 January * NEW *	United Nations, New York, NY	OGC Technical and Planning Committee Meetings
18-21 January	Brussels, Belgium	6th Meeting of the Group on Earth Observations and the 3rd Meeting of the Earth Observation Summit
18-22 January	Kobe-Hyogo, Japan	Second World Conference on Disaster Reduction ISDR Secretariat, in collaboration with several partner organizations, is currently engaged in the ten-year review of disaster reduction activities since the first World Conference on Natural Disaster Reduction, which took place in Yokohama, Japan in 1994. The overall objective of the Second World Conference on Disaster Reduction is to increase the commitment for implementation of disaster risk reduction at all levels and in particular its integration into development planning processes. The review process will culminate in the Second World Conference on Disaster Reduction. Contact: Helena Molin Valdes, Senior Officer, International Strategy for Disaster Reduction, molinvaldes@un.org
24-28 January * NEW *	Bangkok, Thailand	19th Asia Pacific Advanced Network (APAN) Meetings Earth Monitoring Working Group Workshop - Asia Pacific Disaster Warning and Response - to explore ways to improve the dissemination of geospatial data related to disaster warning and response in the Asia Pacific region
24-28 January	Bangkok, Thailand	High-level conference of Asia-Pacific statisticians (APEX 1) (forum proposal)
30 January – 2 February	Abu Dhabi, UAE	Environment 2005
February 2005		
3-5 February * NEW *	New Delhi, India	Delhi Sustainable Development Summit - DSDS 2005 - Beyond Universal Goals: steering development towards global sustainability
5-7 February	Kuwait	1st International Conference on Geographic Information Systems Deadline for Abstracts: <u>December 8, 2004</u> . Contact: dr@promedia-international.com



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7-9 February	New Delhi, India	Map India 2005 Contact: info@mapindia.org Abstract deadline: 15 December 2004.
11-12 February * NEW *	Islington, London, U.K.	International Map Trade Association (IMTA) Europe, Africa and the Middle East (EAME) Conference and Trade Show
26 February – 1 March	Cairo, Egypt	1st International Conference Exhibition on Geo-Resources in the Middle East and North Africa The three main themes being considered are Oil and Gas Resources, Water Resources, and Mineral Resources
28 February – 5 March	Sri Lanka	Commonwealth Forestry Conference Financial support to developing country participants Limited funds are being made available by UK DFID and The Commonwealth Foundation to support attendance at the Commonwealth Forestry Conference for participants from developing countries.
March 2005		
1-2 March	Gaza, Palestine	First International Conference of Science and Development (ICSD-I) Contact: scienceconf@mail.iugaza.edu
2-4 March	Bali, Indonesia	12th ESRI South Asia User Conference
6-9 March	Denver, CO, USA	Geospatial Information & Technology Association (GITA)'s 2005 Annual Conference and Exhibition . This prestigious event will present an exciting technical program, including one-and-a-half days of in-depth seminars followed by two-and-a-half days of educational sessions. This year's conference theme, Crossing Boundaries, is designed to address the boundless opportunities that geospatial information technology presents to organizations.
7-11 March * NEW *	Baltimore, Maryland, USA	American Society for Photogrammetry & Remote Sensing (ASPRS) 2005 Annual Conference - Geospatial Goes Global: From Your Neighborhood to the Whole Planet
8-10 March * NEW *	Munich, Germany	Munich Satellite Navigation Summit 2005
14-16 March	Phoenix, Arizona, USA	Joint Conferences on Urban Remote Sensing – 3rd International Symposium on Remote Sensing and Data Fusion over Urban Areas (URBAN 2005) and 5th International Symposium on Remote Sensing of Urban Areas (URS 2005)
21-23 March	Delft, the Netherlands	First Symposium on Geo-Information for Disaster Management
25-26 March * NEW *	Taipei, Taiwan, R.O.C	1st International Conference on Information Management and Business (IMB 2005) Paper Submission Due: January 3, 2005
28-30 March	University of Aizu, Japan	Workshop on Databases in Networked Information Systems (DNIS) In conjunction with the 4th International Workshop on Databases in Networked Information Systems (DNIS 2005) - Access and Visualization of Dynamic Content. The workshop will focus on data semantics and infrastructure for information management and interchange. It is being co-sponsored by University of Aizu, Department of Computer Software. Database Systems play a central role in the evolving information systems.
28-31 March	Tokyo, Japan	4th International Symposium on Digital Earth
29 March – 1 April	Shanghai, China	The Seventh Asia Pacific Web Conference APWeb'05 is the seventh in a series of international conferences on WWW Technologies. APWeb'05 aims at bringing together researchers and practitioners from both academic and industry to exchange knowledge on WWW-related technologies and new advanced applications.
29 March – 1 April * NEW *	Hong Kong, China	IEEE International Conference on e-Technology, e-Commerce and e-Service
April 2005		
3 - 4 April	Tokyo, Japan	15th International Workshop on Research Issues on Data Engineering



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4-6 April * NEW *	Frascati, Italy	OGC Technical and Planning Committee Meetings - http://www.opengeospatial.org/events/?page=events
5 - 8 April	Tokyo, Japan	<u>The 21st International Conference on Data Engineering (ICDE 2005)</u>
7-9 April * NEW *	Lviv, Ukraine	<u>9th International Scientific Conference - Modern Achievements in Geodetic Science and Industry</u>
8-9 April	Tokyo, Japan	<u>International Workshop on Privacy Data Management</u> In conjunction with <u>21st International Conference on Data Engineering (ICDE 2005)</u>
16-21 April	Cairo, Egypt	<u>FIG Working Week & 8th International Conference on Global Spatial Data Infrastructure</u>
17 & 21 April	Cairo, Egypt	<u>12th International Steering Committee for Global Mapping Meeting</u>
18-20 April	Beijing, China	<u>10th International Conference on Database Systems for Advanced Applications (DASFAA 2005)</u> An annual international forum for academic exchanges and technical discussions among researchers, developers and users of databases from academia, business and industry. The conference will promote research and development activities in database field among participants and their institutions from Pacific Asia and the world as well.
21-22 April * NEW *	Bangkok, Thailand	<u>2005 International Symposium and Exhibition on Best Practices in Mass Appraisal</u> The event will provide a forum for investors, professionals, academics, practitioners, and policy makers working in the areas of commercial and residential real estate appraisal, computer-assisted mass appraisal (CAMA), and geographic information systems (GIS) to exchange ideas on best practices in mass appraisal around the world.
23-25 April * NEW *	Dubai, UAE	<u>Map Middle East 2005</u> Email: info@mapmiddleeast.org
26-28 April	San Francisco, CA, USA	<u>GeoSpatial World 2005</u>
May 2005		
8-11 May * NEW *	Riyadh, Saudi Arabia	<u>ISPRS WG I/4 International Conference on Advanced Remote Sensing for Earth Observation - Systems, Techniques, and Applications</u> Abstract submission deadline: <u>January 15, 2005</u> .
9-12 May * NEW *	Singapore	<u>ICCSA2005 - Workshop on Spatial Analysis and GIS: Local or Global?</u> Conference theme: Computational Methods, Algorithms and Applications.
18-20 May	Hanoi, Vietnam	<u>9th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD-05)</u> 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> .
24-27 May	Sesimbra, Portugal	<u>ISESS 2005 (International Symposium on Environmental Software Systems)</u> 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> .
24-27 May	Seoul, Korea	<u>Sixth Global Forum on Reinventing Government- Toward Participatory and Transparent Governance</u>
30 May – 2 June	Estoril, Portugal	<u>GIS Planet 2005</u> Contact: planet@gisplanet.org Deadline for 1 st round of submissions has been extended until <u>December 9, 2004</u> .
June 2005		



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6-10 June * NEW *	Stockholm, Sweden	ISO/TC 211 20th Plenary Contact: Jörgen Wyke, Swedish Standards Institute, jorgen.wyke@sis.se
20-24 June	St. Petersburg, Russia	31st International Symposium on Remote Sensing of Environment "Global Monitoring for Sustainability and Security"
26-29 June * NEW *	Bangalore, India	Bringing Space Benefits to the Asia-Pacific Region organized by the the Indian Space Research Organisation and the International Institute of Space Law . Contact: ISRO, lochan@isro.org , IISL, secretary@iafastro-iisl.com .
27-29 June	Honolulu, Hawaii, USA	2005 AWRA Summer Specialty Conference - Institutions for Sustainable Watershed Management: Reconciling Physical and Management Ecology in the Asia-Pacific
July 2005		
3-6 July	Southampton, UK	Cambridge Conference: The Exchange – 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: nmonetwork@ordnancesurvey.co.uk
4-7 July	Darwin, NT, Australia	The North Australian Remote Sensing and GIS - NARGIS 2005 – Applications in Tropical Spatial Science Contact: gmesser@norgate.com.au . Deadline for abstracts has been extended; it is now 4 March 2005.
9-16 July	La Coruña, España	XXII ICA International Cartographic Conference .
18-23 July * NEW *	Tours, France	International Union for the Scientific Study of Population - XXV International Population Conference
24-29 July	San Diego, CA, USA	ESRI International User Conference
23-26 July * NEW *	San Diego, CA, USA	Third Annual Survey and GIS Summit This conference bridges the gap between surveying, engineering, and GIS practitioners.
25-29 July * NEW *	Seoul Korea	IEEE/IGARSS 2005 . The Geoscience and Remote Sensing Society annually sponsors the International Geoscience and Remote Sensing Symposium (IGARSS). Deadline for abstracts: <u>21 January 2005</u> . IEEE GRSS Student Prize Paper competition application due: <u>21 January 2005</u> .
26-28 July * NEW *	Xiamen, P. R. China	4th International Conference on Environmental Informatics (ISEIS2005) Deadline for abstracts: <u>December 30, 2004</u> ; Contact: xwang@ryerson.ca
August 2005		
22-26 August	Cairns, Australia	Dynamic Planet 2005: "Monitoring and Understanding a Dynamic Planet with Geodetic and Oceanographic Tools" A Joint Assembly of the IAG, IAPSO and IABO. Deadline for submission of abstracts: <u>23 April 2005</u> .
23-25 August * NEW *	Jakarta, Indonesia	MapAsia Conference - http://www.mapasia.org/
September 2005		
6-8 September	Bologna, Italy	River Basin Management 2005 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	EnviroInfo 2005 - Informatics for Environmental Protection - Networking Environmental Information Deadline for abstracts: <u>February 1, 2005</u> .
11-14 September	Penang, Malaysia	8th International Asian Planning Schools Association Congress . The theme for this conference is Cities for People. Abstracts due <u>1 March 2005</u> .
25-26 September	Kathmandu, Nepal	International Symposium on Landslide Hazard in Orogenic Zone, Himalaya to Island Arc in Asia



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25-27 September	Magdeburg, Germany	Second International ICSC Symposium on Information Technologies in Environmental Engineering (ITEE'2005) The deadline for submission of papers is: February 28, 2005.
October 2005		
6-8 October * NEW *	Hong Kong	The First International Symposium on Cloud-Prone and Raining Areas Remote Sensing (CARRS 2005) 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: February 1, 2005.
9-12 October * NEW *	Kansas City Missouri, USA	URISA's 43rd Annual Conference Abstracts due: February 1, 2005
9-13 October	Bonn, Germany	6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community
14-16 October	Hangzhou, China	ISPRS International Workshop on "Service and Application of Spatial Data Infrastructure" 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.
17-21 October	China, P. R.	27th ICSU Assembly . Organised by the International Council for Science (ICSU).
November 2005		
21-25 November	Bandar Seri Begawan, Brunei Darussalam	8th South East Asian Surveyors Conference (SEASC) . Contact: survey@brunet.bn Full paper submission: 2 September 2005. Contact: secretariat@seasc2005.org.bn .
28 November – 2 December	Khon Kaen, Thailand	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 Submissions of abstracts due by 28 January 2005.
30 November – 2 December * NEW *	Moscow, Russian Federation	2nd International Conference Earth from Space – the most effective solutions Abstract deadline: August 1, 2005.
December 2005		
2006		
16-22 March 2006	Mexico	4th World Water Forum The main theme of the Forum will be "Local actions for a global challenge". A series of regional meetings will be held throughout the preparatory phase in order to identify good practices and learn lessons from shared experiences, as well as to support and encourage local commitments. Guiding principles, main objectives, framework themes and topic sessions available for comments in the concept paper .
13-17 July 2006	Wollongong and Sydney, Australia	COAST - GIS 06 - 7th International Symposium on GIS and Computer Cartography for Coastal Zone Management . GIS for the coastal zone: Spatial Data, Modelling and Management; Extending the Spatial Data Infrastructure. Collaboration between the International Cartographic Association's Commission on Marine Cartography and the International Geographical Union's Commission on Coastal Systems
9-13 October 2006	Santiago, Chile	9th International Conference on Global Spatial Data Infrastructure organized by GSDI Association & Instituto Geográfico Militar Contact: gSDI9@igm.cl



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Please mention SDI-AP in any correspondence you may have on items in this issue.

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Kate Lance & Oh Sung Kwon, Editors
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<http://www.gsdi.org>

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