

Spatial Data Infrastructure – Asia and the Pacific (SDI-AP) is a free electronic newsletter from the [Global Spatial Data Infrastructure Association \(GSDI\)](#) and is available in both English and Chinese language versions. The newsletter is produced for people interested in Spatial Data Infrastructure, GIS, remote sensing, and geospatial data issues in Asia and the Pacific. It aims to raise awareness and provide useful information to strengthen SDI initiatives and support the synchronisation of activities across the region. Support for the newsletter is also provided by the [Permanent Committee on Geographic Information for Asia and the Pacific \(PCGIAP\)](#), a regional forum to enhance cooperation in the development of a regional geographic information infrastructure. The newsletter is currently being produced for GSDI by the [Centre for Spatial Data Infrastructures and Land Administration](#) at the University of Melbourne.



To subscribe to SDI-AP use [this link](#). Back issues of the newsletter are at the [GSDI website](#). You can also sign up for [GSDI News List](#) to receive alerts of special news and announcements as well as notification of new issues of the SDI-AP newsletter. To subscribe to, and access archives of, thematic or regional discussion lists [please visit](#).

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Message from the editor

Welcome to the January edition of the newsletter. This is the first issue for the year and the editors wish our subscribers compliments for the festive season.

If you have news or information related to SDI, GIS, RS or spatial data that you would like to share with the community (e.g. workshop announcements, publications, reports, websites of interest etc.), [kindly send us the materials by the 25th of the each month](#) for your contribution to be included in the next newsletter.

Malcolm Park and Serryn Eagleson ([Editors](#)), at the [Centre for Spatial Data Infrastructures and Land Administration](#), The University of Melbourne.

Contributions

Thank you to the following people and organisations for their contributions to this issue: Paul Box, Kate Lance, and Baek Wonkug for news feeds, Jeremy Shen & Jeremy Huang for the Chinese translation, and Shivani Lal, *GIS Development, Asia Surveying Mapping Magazine* for directly feeding into the newsletter.

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SDI News, Links, Papers, Presentations

[Korea's OGC Interoperability Day Highlights Ambitious Geospatial Infrastructure Programs](#)

The Open Geospatial Consortium (OGC®) Korea Forum and the Korea Research Institute for Human Settlements (KHRIS) co-hosted an OGC Interoperability Day event on 18 November at the KHRIS facility in Gyeonggi-do, South Korea. The day-long program included talks by business, government and academic leaders on topics related to geospatial standardization and interoperability in the context of ubiquitous information services. The OGC Korea Forum is developing strategies for a seamless geospatial service network across Korea that seeks to organize resources from IT industry, government, mass market websites, public utility services, U-Cities and research groups to create a very large scale, high-density, nationwide geospatial information testbed.

Source: [OpenGeoSpatial](#)

[Discovering Australia's mineral resources](#)

New exploration concepts and technologies are being developed by researchers working through the Minerals Down Under National Research Flagship with the long-term aim of replenishing Australia's resource base. There are five streams of research contributing towards this aim the first of which is the development of a national geoscience data infrastructure that improves pre-competitive information exchange across industry and government. The accessibility and availability of geoscience information has enormous impact on the competitive position of Australia for exploration investment. In collaboration with the geological surveys, existing and new data types will be more easily integrated from multiple custodians using open standards. The improvements in national access will then be exploited through better data integration and new analysis techniques to improve exploration outcomes.

Source: [CSIRO](#)

[The Land Administration Domain Model \(LADM\) Is Becoming to an International Standard – the Proposal Passed Vote at the ISO TC211 Meeting](#)

FIG (International Federation of Surveyors) submitted in 2008 a proposal to develop an International Standard concerning the Land Administration Domain to the Technical Committee 211 on Geographic Information of the International Organisation for Standardisation (ISO/TC211). There was a positive vote on the draft at ISO TC 211 plenary meeting in Quebec City in November 2009 on forwarding the ISO 19152 Land Administration Domain Model as a Draft International Standard (DIS). An Editing Committee is working now on the DIS, which is expected to be available in March 2010. The final International Standard is expected in 2011. The FIG is an international, non-government organisation whose purpose is to support international collaboration for the progress of surveying in all fields and applications. [Read more.](#)

Source : [www.fig.net](#)

[From the INSPIRE Team](#)

We are delighted to inform you that the INSPIRE Forum Web 2.0 site is available [here](#)

The INSPIRE Forum Web 2.0 site is

- an open space for the exchange of information, best practice, news, opinions on issues relating to INSPIRE
- a meeting place to get to know professionals working in different countries and thematic areas
- a learning space where you can download tutorials, workshops, presentations and learn about and participate in upcoming workshops and conferences

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For a full list of the groups visit: < <http://inspire-forum.jrc.ec.europa.eu/pg/groups/world/> >
Source: The INSPIRE Team and Paul Box's iPhone

[Data sharing still a challenge for the Malaysain Geospatial Data Infrastructure.](#)

This article is based on a transcript from an interview with **Fuziah Bt. Hj. Abu Hanifah** Director, Malaysian Centre for Geospatial Data Infrastructure (MaCGDI), the interview discusses the background to the project as well as the progress and plans for the future. MaCGDI's main project is called MyGDI, the Malaysian Geospatial Data Infrastructure. The project started in 1998. At that time, they were known as National Infrastructure for Land Information System (NaLIS), and three agencies; Land Office, JUPEM, and the evaluation Office, were the focus. The land information data sharing was developed for only these three agencies but currently we have more than 100 agencies participating in our infrastructure, from the federal government and the local authorities.

Source: [GIS Development](#)

[Delhi launches Spatial Data Infrastructure portal](#)

Delhi has joined an elite group of cities such as New York, Washington, London, Paris and Tokyo, with the launch of an internet portal that provides detailed information on the capital's overground and underground utilities. The Rs 120 crore Delhi State Spatial Data Infrastructure Project (DSSDI) was inaugurated at the Delhi Pavilion in the India International Trade Fair. "The underground utilities comprising water, sewer, telephones, power lines etc have been mapped for the first time using state-of -the- art technology. The availability of underground utilities in digital form would enable the concerned line departments to undertake preventive maintenance programmes as well as locate the fault in the underground utility with precision," Ms Dikshit said. Developed countries have been using geo-spatial technology for long for enhancing transparency in the functioning of government departments.

Source: [NetIndia](#)

[Workshop on Geospatial Information for Developing Countries: Science and Technology](#)

The [Department of Computer Science & Engineering \(CSE\), IIT Bombay](#), and [Department of Computer Science, University of Minnesota](#), USA under the [Indo-U.S. Science and Technology Forum \(IUSSTF\)](#) have held a 3-day workshop on "Geospatial information for developing countries: Science and Technology" to discuss state-of-art in GIS technologies, understand the challenges in applying them to problems in developing nations, and set future research directions.

This 3-day Workshop brought together researchers, experts and professionals from computer science, geo-informatics, industry as well as large user organizations and Governmental departments to enable an understanding of the requirements of computational sciences in the domain of geo-informatics, especially in the current environment of 'data-rich' systems. Abstracts and papers from this workshop are available from [here](#).

Source: [Department of Computer Science & Engineering \(CSE\)](#)

SDI Spotlight

For this months spotlight feature the editors would like to recommend reading the [Geospatial Summary 2009](#) by Susan Smith and published in the GIS Cafe. The article provides an overview of trends that occurred during 2009 such as cloud computing, multi-core computing, visualization/simulation, democratization of geospatial, virtual websites, social networking and sustainability which will inevitably change the way geospatial information is implemented, stored and/or processed.

Source: [GISCafe](#)

The editors are actively soliciting contributions to the monthly "SDI Spotlight" feature for the January and subsequent issues.

GIS Tools, Software, Data

[Building Back Better: Aceh Province, Indonesia, Continues GIS Work Five Years after Tsunami](#)

December 2009 marks the fifth anniversary of the Boxing Day tsunami in Southeast Asia. This website provides an overview of the important role that GIS played in relief efforts. Easily the largest natural disaster in recent

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history, the 9.1-magnitude earthquake and resulting tsunami on December 26, 2004, brought incredible devastation to many coastal countries, particularly Indonesia. A wave 30 meters high hit the province of Aceh, on the northern tip of Sumatra. GIS maps acted as guides to affected areas and were used to coordinate emergency services and rebuilding.

Source: [ESRI](#)

[ESRI releases MapIt 1.1](#)

ESRI released MapIt version 1.1. The release includes new capabilities, enhancements, and functionality that allow users to better visualise the connection between tabular data and its geographic properties. It also includes Microsoft Windows Azure and SQL Azure support for developing applications in the cloud.

Source: ESRI Press Release



[GIS for History](#)

Here is a useful web site on the use of GIS in history. This site gives history students and teachers the power of [GIS](#) to investigate critical moments in American history (for example, here's our [Great Migration map](#)). Each investigation provides an interactive GIS map for studying patterns in historical census data over a period of time, a collection of historical documents chosen to help put the data into historical context, and lesson plans created by teachers and university instructors. *GIS for History*© is a project of the University of Illinois at Chicago (UIC). It is supported by a "[We the People](#)" grant from the [National Endowment for the Humanities](#) ("[Bringing Historical Census Data Alive with GIS](#)"). The goal of the project is to create and share history curriculum materials and lesson plans using historical census data and primary source on-line documents, within a web-based GIS.

We gratefully acknowledge Wonkug Baek for bringing this website to our attention.

[Mapping climate change hot spots](#)

The mapmakers, in conjunction with a project led by the Economy and Environment Program for Southeast Asia (EEPSEA) based in Singapore, focused on 592 sub-national provinces or districts in Vietnam, Laos, Cambodia, Thailand, Malaysia, the Philippines, and Indonesia. Guided by an assessment framework developed by the United Nations' Intergovernmental Panel on Climate Change, they designed three preliminary maps, each illustrating a different category of climate-related information: Exposure, Sensitivity and Adaptive capacity. EEPSEA plans to update the map by taking account of new information and to refine it by using different assumptions and scenarios. Also, EEPSEA proposes to help selected local governments apply some of the study's recommendations to their own situations. In particular, it will train them to conduct their own economic research and vulnerability assessments, and to create their own local maps. The goal is to empower communities by providing them with the tools to inform, educate, and build understanding of the effects of climate change. [PDF version](#)

Source: Kate Lance

[New GIS tutorial site launched](#)

Operated by Anthony Calderon who has been involved with GIS for 12 years, GISHowto.com features tutorials in video format for a range of software programs such as ESRI's ArcGIS, ENVI, MapInfo and Google Earth. The site also hosts an event calendar and a forum for discussing GIS software issues. Explore: [GISHowTo.com](#)

Thanks to Wonkug Baek for bringing this item to our attention.

[China Vietnamese Land Border Issue Settled](#)

China and Vietnam have finally agreed on the land boarder between the two countries. A ceremony to mark the occasion was held 18 November in Beijing. The agreement comes after 10 years of surveying effort by the two sides.

Source: State Bureau of Surveying & Mapping and [Asian Surveying & Mapping](#)

[The maps that made Canberra](#)

Far-Sited: The Maps That Made Canberra exhibition, which is open Monday to Friday in the Maps Reading Room, celebrates 100 years since the naming of the national capital.

Presented in collaboration with the ACT Government and the Federal Attorney General's Department, the display features maps from the National Library's collection, the National Archives of Australia, the Canberra Museum and Art Gallery and the House of Representatives, Parliament of Australia.

Source: National Library of Australia

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[Indian state to deploy GPS to curb road accidents](#)

In an effort to reduce the number of road accidents in the hill state, primarily due to "human error", an Indian state government (Himachal Pradesh) is contemplating to install GPS in state-run and private buses.

Source: [GIS News](#) & [ZeeNews.com](#)

[ALSO TNRSP develops system to monitor road accidents](#)

A system to monitor road accidents is currently being tested by the Tamil Nadu Road Sector Project (TNRSP) wing, which will be operational by the second week of December. The Road Accident Data Monitoring System (RADMS) is part of the road safety component of the TNRSP, which is financed by a loan from the World Bank

Source: [GIS News](#) & [SiliconIndia.com](#)

[Australian airline Qantas expands GPS use in flights](#)

Qantas is expanding its use of the latest generation GPS-based navigation systems to some Melbourne flights that promises "a perfect flight path, gate to gate", which is expected to save oceans of fuel, tonnes of greenhouse gases, flying hours, time and money.

Source: [GIS News](#) & [Sydney Morning Herald](#)

[Monitoring rhinos geospatially](#)

Taking a cue from Kenya's Masai Mara National Park, the Assam forest department (India) has decided to prepare the janamkundali (database) of every rhino found in the state's national parks for a better understanding of the prized animal.

The Geographical Information System (GIS) and Global Positioning System (GPS) will be used to monitor the rhinos at the parks on a day-to-day basis.

Source: [GIS News](#) & [The Telegraph \(India\)](#)

[21st Century Explorers Return with Unique Data from Indian Ocean Seamounts](#)

A team of the world's leading marine experts, paired with scientists from the Indian Ocean region, have just returned from a six week research expedition above seamounts in the high seas of the Indian Ocean with a whole new understanding of seamount ecosystems. They gathered a very rich collection of data and specimens, including some strange-looking marine creatures.

The scientific survey was organized by IUCN and its partners to improve knowledge of seamounts across the southwest Indian Ocean ridge. Seamounts, underwater mountains of volcanic and tectonic origin, are known to be hotspots of biodiversity and attract a range of oceanic predators, including seabirds, whales and sharks. They also attract deepwater fisheries, as they host many species of commercial interest, most of which are very vulnerable to over-exploitation. The results of the research do not only have a scientific interest, but will help improve conservation and management of Indian Ocean marine resources.

Source: [V1 Media Newsletter](#)

[New set of Landsat imagery available](#)

A new collection of selected Landsat earth images worldwide, Global Land Survey 2005 (GLS2005), is now available for free download to any user around the globe.

Source: [USGS Press Release](#)

[BGS launches "googlerock" service](#)

The British Geological Survey (BGS) has published a series of interactive geological maps onto OpenGeoscience, an online portal that has been unofficially dubbed "googlerock."

The maps will be available to the public free of charge. This is the first time free maps containing such a level of detail have been published online

The map has an interface similar to Google maps, where users can drill down into geological information in a particular area. It also includes the free provision of offshore maps, earthquake location information and samples of ground stability hazard maps.

Source: <http://www.computing.co.uk>

[Australian 3-D Geothermal Map](#)

Geoscience Australia has produced a 3-D map covering the area between Queensland and South Australia. The area is known to have a high level of geothermal activity and such a map enables further investigation of the underground sources.

Source: [V1 Media](#) & [GeoScience Australia](#)

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News from abroad

"This section has been included to highlight some of the developments happening outside the region which demonstrate SDI in action.

Geospatial Line of Business

The U.S. Federal Geographic Data Committee announced on December 17, 2009 that all federal agencies now have access to a single ordering schedule for purchase of their geospatial software needs. Under a broad initiative supported by the Department of the Interior, Federal agencies will be able improve their efficiency and save taxpayers money by consolidating their purchases of geospatial software under the government-wide Geospatial Line of Business (LoB). An interagency team composed of representatives from across the Federal community worked with the U.S. General Services Administration SmartBUY Team to implement a multi-vendor Blanket Purchase Agreement. The new BPA will provide small, medium, and large government users a common portfolio of geospatial software technology options. For further information on activities: www.fgdc.gov/geospatial-lob.

Source: Wonkug Baek

USGIF Selected to Coalition of Geospatial Organizations

The United States Geospatial Intelligence Foundation (USGIF), a non-profit educational foundation dedicated to promoting the geospatial intelligence tradecraft and developing a stronger GEOINT Community, on December 21, 2009 announced it was unanimously voted into the full membership of the Coalition of Geospatial Organizations (COGO) during a meeting at the ASPRS/MAPPS 2009 Conference. COGO is a recently formed coalition of 16 national professional societies, trade associations and membership organizations in the geospatial field, representing more than 30,000 individual producers and users of geospatial data and technology. The purpose of COGO is to provide a forum for organizations concerned with national geospatial issues that will improve communications among member organizations and others; provide educational information on relevant issues for their respective memberships; align and strengthen their respective policy agendas; and facilitate development of strategies to address national issues.

Source: www.dailyfinance.com via Wonkug Baek

Mapyx releases Ordnance Survey Ireland digital maps

Mapyx releases the Ordnance Survey Ireland digital maps, making them the first digital mapping provider in UK joining OSi Ireland and OS Great Britain maps into the same products.

Source: [GIS News](#) and MapyxQuo

"GPS can track soil moisture, snow depth" says research

Traditional GPS satellite signals can be used to measure snow depth and even soil and vegetation moisture, according to a research team led by the University of Colorado at Boulder.

The researchers developed a technique that uses interference patterns that are created when GPS signals reflect off the ground — called "multi path" signals — and are combined with signals that arrive directly from the satellite.

Source: [GIS News](#) & [GIS News\(2\)](#) & *The Denver Post*

Introducing Atlas of Norway (norgesatlas.info)

On December 1st, the Norwegian Mapping Authority (NMA) launched a series of map services. The best and most detailed maps of Norway are now freely available. You can browse the maps in my new web application: norgesatlas.info (Atlas of Norway).

Source: [Thematic Mapping blog](#)

US University's robotic underwater glider reaches Spanish waters

The Scarlet Knight surfaced in Spanish waters last week and is on schedule, despite difficult currents, to reach its rendezvous site off the coast of Baiona, where celebrations are planned for Dec. 9.

The robotic underwater glider has traveled more than 4,000 nautical miles from New Jersey to Spain under the guidance of students and faculty from Rutgers's Institute of Marine and Coastal Sciences and with help from other students at partner universities in Europe.

Source: [NewJerseyNewsroom](#) & [The Melbourne Age](#) & [The NJ Star Ledger](#)

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[Launch of Natural Earth Provides Cartographer-Specific Data](#)

A new web mapping resource launched today that is designed to provide free vector and raster map data specifically for the use of cartographers. [Natural Earth](#) is an effort of volunteers that are supported by the North American Cartographic Information Society, with assistance from the University of Wisconsin-Madison cartography lab, Florida State University and others.

Source: V1 Media

[Award Winning European SDI Best Practice](#)

Source: V1 Media & Paul Box's iPhone

[The Geography of Recession \(USA\)](#)

There is an interesting map animation showing that it is important to marry the National Map with statistical abstract. According to the U.S. Department of Labor's Bureau of Labor Statistics, there are more than 31 million people currently unemployed. In the face of the worst economic upheaval since the Great Depression, millions of Americans are hurting. "The Decline: The Geography of a Recession," as created by labor writer LaToya Egwuekwe, serves as a vivid representation of just how much. [Click here](#) to view "The Geography of a Recession" and watch the deteriorating transformation of the U.S. economy from January 2007 to the most recent unemployment data available today. Also available at [YouTube](#).

Source: Wonkug Baek

[A new generation of US Geological survey \(USGS\) maps](#)

"US Topo" is the next generation of topographic maps from the U.S. Geological Survey. Digital US Topo maps are designed to look, feel, and perform like the traditional paper topographic maps for which the USGS is so well known. However, in contrast to paper-based maps, US Topo maps provide technical advantages that support faster, wider public distribution and enable basic, on-screen geographic analysis for all users. Arranged in the familiar 7.5-minute quadrangle format, US Topo maps are available free on the Web. Each map quadrangle is constructed in GeoPDF® format from key layers of geographic data — orthoimagery, roads, geographic names, topographic contours, and hydrographic features — found in [The National Map](#), a nationwide collection of integrated data from local, state, federal, and other sources. US Topo users can turn geographic data layers on and off as needed, zoom in and out to highlight specific features or see a broader context, and print the maps — in their entirety or in customized sections — on a wide variety of printing devices.

Source: www.usgs.gov

[New Web-portal with Russian Marine Area Satellite Monitoring Data is Now Open](#)

ScanEx Research and Development Center, the leading Russian company on the remote sensing market, opened the publicly accessible [web-portal](#) "Kosmosnimki – the Seas of Russia". The portal contains satellite and supporting information on environmental condition and shipping situation in the marine areas of our country obtained through satellite imagery in 2008-2009. The portal contains radar images of [RADARSAT-1](#) (Canada) and [ENVISAT-1](#) (European Space Agency), optical images of [SPOT](#) (France) and [Landsat 5](#) (USA) series spacecraft as well as data concerning characteristics and origin of oil pollution in the Baltic, Barents, White, Caspian, Okhotsk, Black and Japan Seas.

Source: www.scanex.ru

[Thanks to Wonkug Baek for bringing this item to our attention.]

[Competition between Microsoft v Google means we all win !!!!!](#)

Microsoft's **Bing Maps** and **Google Maps** continue their competition to offer the best online mapping. Recently, Microsoft launched Bing Maps Beta which not only retooled its mapping application with their Silverlight technology but also launched the release of Streetside. Also announced was the extended partnership of Microsoft with Navteq to supply 3D mapping data. The Google Geo Developers Blog has a post about the new aerial imagery available with API v2. The imagery is available with or without road overlays on top, and in each of the major compass directions (North, South, East and West). The imagery is currently only available in San Jose and San Diego but expect Google to roll out more cities quickly. The sure winner out of all of this competition is the user. More data, more imagery, better functionality, and better access to geographic information will lead improved mapping for the user.

Source: [GIS Lounge](#)

[Thanks to Wonkug Baek for bringing this item to our attention.]

[Rainforests to be monitored for illegal logging](#)

Environmentalists across the world are to be enlisted as armchair detectives to monitor satellite images of rainforests and report any illegal logging. The images will be frequently updated and anyone with internet

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access will be able to make instant comparisons with historical images and spot destruction of rainforest almost as soon as it happens. ...

The armchair detectives will be able to report their findings to an international agency being created to monitor whether countries are meeting their commitments to reduce deforestation. Any state found to have broken its pledge will lose its share of a new global fund established by rich countries to pay nations for leaving their trees standing.

The fund, called Reducing Emissions from Deforestation and Forest Degradation (REDD) and worth up to \$30 billion (£18 billion) a year, is due to be approved at the UN climate change summit in Copenhagen.

Google is helping to create the new online detective tool, which is likely to be launched next year.

Source: < <http://www.timesonline.co.uk> > & [GIS News](#)

[Home heat loss maps available online](#)

Home owners in West Yorkshire, UK, will soon be able to go online to see the heat loss from their property. Following airborne surveys by aerial mapping firm Bluesky, the property level thermal map together with high-resolution aerial photography are to be provided online by Calderdale Council. The council's relaunched Calderdale Maps Online service will offer interactive maps together with new features such as address look ups and find my nearest.

Source: [GIS News](#) & Bluesky Press release

[Hi-tech maps to improve demining operations](#)

Aside from body armour, metal detectors, prodders and a strong dose of courage, hi-tech maps are now an essential piece of kit for teams heading out to clear landmines

Source: [GIS News](#) & Reuters AlertNet

[Online access of Norwegian digital maps free-of-charge](#)

From 1 December 2009, internet users will be able to access digital map services free-of-charge on the state map sites. The manager of the Norwegian Mapping Authority, Anne Cathrine Frøstrup, stated that together with their partners, they released a new map service through the Norwegian Mapping Authority. It is accessible for everyone. She added that cartography is for the benefit of the society and is entirely in line with governmental policy of more openness.

Source: [GIS News](#) & eGovMonitor.com

[Online cartography with real-time information from the Web](#)

Microsoft now updates Bing Maps with Streetside eye-level views and a Twitter feed. Twitter Maps, displays Tweets originating from particular geographic locations include current traffic, live traffic video feeds...

Source: [GIS News](#) & MicroSoft Press release

[Mapping risks to human health](#)

A new study demonstrates how mapping software can be used to analyse data on heavy metal soil pollution in an urban environment. The researchers incorporated land use information to gain realistic estimates of potential risks to human health that could help inform land use planning.

Source: [GIS News](#) & EnvironmentExpert.com

[GEO Forest Carbon Tracking Portal Now Live](#)

The portal for the GEO Forest Carbon Tracking (FCT) Task was launched at the GEO-VI Plenary meeting in Washington DC and can now be viewed on-line at < www.geo-fct.org >. The portal allows users to visualize the FCT National Demonstrators, the relevant Validation Sites and the inventory of the coordinated acquisitions of satellite and in-situ data; maps and information resulting from the processing of the data will also be posted here when available. A [three-minute video describing the portal](#) is also available.

Source: V1 Media newsletter

[First American Spatial Solutions Finds \\$30B of Properties Exposed to Howard Hanson Dam Vulnerability](#)

First American Spatial Solutions, a member of The First American Corporation (NYSE: FAF) family of companies and a leader in spatial and natural hazard risk solutions, released a report today showing more than \$30 billion of property is at risk related to vulnerabilities of the Howard Hanson Dam which could cause significant flooding in King County, Washington. The potential flood exposure, based on the possible measures taken to avoid total dam failure, would impact up to 20 square miles in the Lower Green River Valley, the

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second largest warehouse and distribution center on the west coast. The findings exclude contents, business interruption and residential dislocation.

Source: V1 Media newsletter

[Esa satellite senses Earth's pull](#)

Europe's Goce (Gravity Field and Steady-State Ocean Circulation Explorer) satellite is returning remarkable new data on the way the pull of gravity varies across the Earth.

Scientists say its first maps clearly show details not seen in previous space and ground measurements.

Goce was launched by the European Space Agency in March from the Plesetsk Cosmodrome in north-west Russia.

Its information is expected to bring new insights into how the oceans move, and to frame a universal system to measure height anywhere on the planet.

Researchers who study geological processes, such as earthquakes and volcanoes, will also make use of the data.

The first maps built from Goce observations were presented at the American Geophysical Union's (AGU) recent Fall Meeting, the world's largest annual gathering of Earth scientists.

Source: [Herald de Paris](#) & [V1 media](#)

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Articles

[Geospatial Industry - On a positive pitch](#)

by [Bhanu Rekha](#), Associate Editor, GIS Development Pvt. Ltd.

United Arab Emirates, Bahrain, Saudi Arabia, Oman, Qatar and Kuwait - commonly referred to as GCC countries, form the chunk of Middle East market for geospatial industry. Several companies which started in the 1990s as distributors of major companies evolved to provide consultancy and customised solutions in a decade. Spacemaging Middle East, Vision Geoinformation solutions and Geolmage figure prominently on the list. While Geolmage started as the distributor of PCI Geomatics, Definiens, SpaceEyes and SPOT imagery, Global Scan Technologies started with a ground receiving station for satellite imagery, Space Imaging Middle East distributed LandSat and IRS imagery and Pictometry Middle East has recently been rechristened as Vision Geoinformation Solutions.

Providing consultancy and a gamut of geospatial services and solutions, the industry in Middle East shared its views and experiences with GIS Development. Here's what the industry has to say on various aspects.

Source: GIS Development Magazine (November 2009)

[Geographical Information System of Bidar District](#)

by [Mr. B. G. Kodge](#). & [Dr. P.S. Hiremath](#)

Abstract

This paper will help us to evaluate and visualize the statistical and analytical calculations, ratios of the past and requirements of future developments of Bidar district villages. The mapping of five different talukas (sub districts) including Bidar, Bhalki, Aurad(B), Basavakalyan and Humnabad is prepared with respect to all below said data attributes of villages in taluka wise. In this paper we have collected the data attributes like: villages names, villages population (distinctly for total, male and female population), primary schools, high schools, primary health centers, total area, transportation (state and national highways, train) , rivers/reservoirs etc in spatial database from 475 villages of Bidar district in Karnataka state of India. With the help of all collected data, we are visualized the spatial database for geographical information system of Bidar district (especially for Panchayat Raj and rural development)

Source: GIS Development Magazine (November 2009)

[How will geospatial technology help us adapt to climate change?](#) by Matt Ball

Source: V1 Media

[SatRef - What makes positioning infrastructure work](#) by [Simon Kwok](#), Chief Land Surveyor, Lands Department, Hong Kong Special Administrative Region

A satellite positioning infrastructure establishes the reference frame to integrate the spatial information of a region. It provides a link between the regional reference system to the global reference system. The

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infrastructure also helps users to improve accuracy of positioning, enhance efficiency, increase productivity and reduce the cost of operation. To make a satellite positioning infrastructure work and deliver the aforesaid outcomes, the organisation running the infrastructure should address the issues of quality assurance, risk mitigation, business continuity, legal requirements, training and growing an environment for innovation. The article discusses aspects based on the experiences gained from developing the Hong Kong Satellite Positioning Reference Station Network (SatRef) during the past decade.

Source: GIS News

[Web-based GIS and the future of participatory GIS applications within local and indigenous communities](#)

As resource managers search for strategies to meet the challenges posed by intense competition for scarce local resources, the implementation of Community-based GIS applications have become widespread. Besides mapping, the Participatory GIS (PGIS) projects create a peaceful medium for community groups and public officials to meet, exchange views and also learn to develop trust for each other. However, PGIS projects face many problems including the lack of basic supporting infrastructure and services. The adoption of the Internet as a platform for PGIS applications therefore raises concerns about the future of PGIS projects. While the Internet may open the participatory process, it can also hinder participation among local groups. In an era when PGIS applications have become important in the management of local resources, there is an urgent need to examine implications of the On-line PGIS project. Accordingly, the authors of this paper, Peter Kyem and James Saku, assess the potential benefits and drawbacks of on-line PGIS applications within local communities.

[Source: EJISDC (2009) 38(7): 1-16]

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Books and Journals

Hossein Mohammadi's PhD thesis **[The Integration of Multi-source Spatial Datasets in the Context of SDI Initiatives](#)** is available on-line.

[Towards a GIS-T database design and implementation for public transit planning: the case study of Dar-Es-salaam metropolitan city, Tanzania](#) (PDF, 3.93 MB)

ISEGI - MA Dissertation Geospatial Technologies (Erasmus-Mundus) (March 2009) by Ngereja, Zakaria Robert
In the last decade, we have witnessed tremendous advances and developments in the applications of Geographic Information Systems (GIS), in terms of technological hardware, software, methods, and data models. One of the applications that have attracted much attention in the use of GIS is the transportation sector mainly for planning, public transport routing, management and operations. This has made it important to have a unified or universal GIS-T standard data model, specifically, in the area of transportation applications. Several data models have been developed over the past 20 years, like the ArcInfo route system, National Cooperative Highway Research Program (NCHRP) Project 20-27, Federal Geographic Data Committee, Enterprise GIS-T data model and the UNETRANS data model to mention just few. This research project focused into the GIS-T database design and implementation for public transit planning and management in the Dar-es-Salaam City, and used part of the UNETRANS data model. As part of this research, the UNETRANS data model was thoroughly examined, and extracted useful elements useful for the geodatabase design of GIS-T for Dar-es-Salaam City. The outcome of the project is a designed GIS-T database model for Dar-es- Salaam and its prototype implementation in ArcGIS 9.3. In addition, an output of the network analysis for determining the closest bus stop to hospitals, shortest routes from an incident location as well as service are surrounding hospital facilities, and recommendations for future works are presented.

Source: Kate Lance

[Spatial data infrastructures model for developing countries: A case study of Nigeria](#)

ISEGI - MA Dissertation Geospatial Technologies (Erasmus-Mundus) (March 2009) by Onah, Chinonye Cletus
This research explores the basics of SDI, and investigates the National SDI of different countries. Further, the research analyses SDI implementation in developing country with specific reference to the National Geospatial Data Infrastructure (NGDI) of Nigeria. The research assesses the status and the milestones of NGDI implementation using key SDI components as assessment variables. These components were grouped into four classes: Policy and Legal Issues, Technical, Funding and People. A questionnaire survey via email was conducted on the stakeholders and users of geoinformation in Nigeria. From the analysis, the NGDI has an

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advantage of having a national policy backing its implementation and the establishment of the coordinating body. However, the lack of SDI directive and funding are major hurdles in the implementation of the NGDI making it lack behind most of the selected case study countries in other key components. Nigeria is also found to be applying a Mixed Model of NSDI implementation as both product model and process model are evident in the NGDI. In the real sense of access network and data sharing, NGDI is yet to be operational, though the project is going on.

[The Fourth Part of the World: The Race to the Ends of the Earth, and the Epic Story of the Map That Gave America Its Name](#) (2009) by Toby Lester

In 2003, the Library of Congress paid \$10 million for the only existing copy of the 1507 map that was the first to show the New World and call it America. Lester traces the map's journey to America over the next century in a majestic tribute to a historic work.

[Editor's Note: the link above (to Amazon.com) accesses a comprehensive review by Simon Winchester and provides an image of the map and details of the image – an interesting website to visit.]

Source: V1 Media

[eCARTO newsletter for December 2009](#)

Include a report on the recent ICC2009 conference run by the International Cartographic Association, followed by some general items on cartography.

Thanks to [David Fraser](#), National President - Mapping Sciences Institute, Australia (publisher of eCARTO)

[PhD Thesis, SMALL Savannah: An Information System for the integrated analysis of land use change in the Far North Cameroon](#) by Eric Fotsing

(Scientific Field: Fundamental Computer Science, Geographic Information and Environmental Sciences)

Available shortly from the [Leiden University](#) website.

SUMMARY: SMALL Savannah is a conceptual framework and tool designed to help the various stakeholders (including scientists, policy-makers and local farmers/herders) to achieve adaptive and sustainable land management in dry regions of West and Central Africa. This system combines 1) an observation/spatial analysis component for the representation of phenomena from various data sources, with 2) an explanation/prediction component for the analysis of land change processes and 3) a dynamic simulation component for the exploration of possible future trajectories. The key message of the thesis is an appeal for a more integrated, participatory and trans-disciplinary approach to reduce land degradation, biodiversity loss, poverty and achieve sustainable development through collective knowledge generation, management and sharing on natural resources and land use.

[OCHA Sri Lanka Map Atlas](#)

The UN Office for the Coordination of Humanitarian Affairs (OCHA) in Sri Lanka, in cooperation with the Urban Development Authority and the Survey Department of Sri Lanka, seeks to provide accurate maps of the country. Towards this end, OCHA has published the OCHA Sri Lanka Map Atlas.

The Map Atlas is a collection of all the main public map products created by OCHA Sri Lanka since 2005. Since it started its operations in Sri Lanka, OCHA has produced over 1,500 public maps using information on IDPs, humanitarian access, sectoral activities, 3W, administrative boundaries and emergency information among others. Users are offered both interactive and static maps with the possibility to browse through a full catalogue of all available products. Additional links to web based resources are also provided.

[Editors' note – this Atlas is a 3.5 gB download and produces a 'Windows' OS disk image suitable for burning a DVD !]

Source: Kate Lance

[URISA Journal Marks Ten Years of Open Access Publishing](#)

Ten years after announcing that electronic copies of the URISA Journal would be made freely available to teachers and learners everywhere via the World Wide Web, the Journal's electronic archives have become one of the richest collections of open educational resources in the geospatial field.

As of December 2009 there are 196 peer-reviewed articles in 40 issues of the URISA Journal freely available at < http://www.urisa.org/journal_archives >.

The Journal is one of only three journals listed by the Directory of Open Access Journals (<http://www.doaj.org>) under the keyword "gis," and it is the only one to be ranked among 46 leading geographic information science (GIScience) journals by Caron and colleagues in 2008.

Source: V1 Media newsletter

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Just for Fun !

[EARTH bags the Best Atlas award](#)

EARTH, the world's largest atlas was announced as 'Best Atlas' at the 24th International Cartographic Conference 2009 (ICC 2009) in Santiago, Chile on 21 November 2009.

Source: [GIS News](#) & Publisher's Press Release



[BBC TV programme honours Briton responsible for mapping of Canada](#)

Ray Mears is a man with a passion for the land and those who live closest to it, the world's hunter-gatherers. His heroes also include those whose exploits have not just put themselves on the map but actually made the maps. His latest BBC series follows those Britons who charted the wilderness of the North American continent.

Source: [V1 Media](#)

[Mapsorama.com](#) contains a wide range of maps from different locations around the world. There are a large number of Asian maps located on the site, and many are historical. Examples include: [Map of Cartagena de Indias](#), [Historic map of China](#), [The Berlin Wall](#), & [Linguistic map of Kenya](#).

Source: [V1 Media](#)

[Criminal "editing" of Google Maps](#)

Here's a new crime: "Editing with ill intent". A New Zealand woman was charged by police after she tampered with the business listing of seven Napier florists on Google Maps. Kendra Drinkwater, herself a florist, changed the business listings of her competitors on Google Maps using various aliases. She faces up to seven years in prison for her crime of "editing with ill intent" which caused loss to those businesses. This is the first such case in New Zealand of this type of crime according to Bill Crane, operations manager of the police electronic crime laboratory in New Zealand.

Source: [GIS Lounge](#) & the New Zealand [Dominion Post](#).

[Watch this Space – comparing Google vs Bing search engines](#)

by technology writer James Fellows

In the interests of science, I've undertaken various first-hand user testing experiments over the years. I haven't gone as far as did Cullen Murphy, then the Atlantic's managing editor, when he demonstrated that one could write [an entire article](#) without using the words "is," "are," or any other form of the verb *to be*.^{*} But, as a similar experimental stunt, I once wrote [an article](#) without touching a keyboard, relying strictly on voice recognition software to see how well it worked. (The software worked fine; unfortunately, I discovered that I couldn't think without using my fingers.) And I let Air Force pilots wring me out in a [deliberately-nausea-inducing](#) mock-combat drill in an F-15, just for the hell of it.

Results of the experiments: Cullen still uses "is"; I still use my fingers; and I have stayed far away from F-15s. Spurred by [this report](#) on the Atlantic's site about a new Bing-vs-Google flap (previously [here](#)), I have resolved to try another experiment. I will spend the next week, during which I must finish a "real" article, using only Microsoft's Bing to track down facts online, rather than my usual Google. After-action reports will appear here once I've turned in the "real" article. Necessary disclaimer: I have close friends at and various entanglements with both companies. **Watch this space.**

Source: The Atlantic Monthly

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Training Opportunities

[Demographic and Health Surveys \(DHS\) course in Kenya](#)

University of Nairobi Enterprises and Services Ltd is offering a professional short course on Demographic and Health Surveys for Health for June 21-25, 2010 in Nairobi, Kenya. The course provides an overview of the DHS surveys and how to use DHS data to improve health programs.

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Demographic and Health Surveys (DHS) are nationally-representative household surveys that provide data for a wide range of monitoring and impact evaluation indicators in the areas of population, health, and nutrition. Demographic and Health Surveys provide countries with a standardized tool to obtain indicators for the effective monitoring of national programs such as those on HIV/AIDS, health and family planning services available in a country.

[Contact: Prof. Mwanthi](#)

Source: Kate Lance

[Workshop for Asian GNSS](#)

Applications to be lodged by December 20

A workshop will be held in Bangkok to discuss the possibility of developing GNSS applications in Asia and the Pacific. The workshop follows discussions at APRSAF-15 which was held in Hanoi in December 2008. The Asia Oceania Regional Workshop on GNSS will be held 25-26 January 2010, just before APRSAF-16. The Asia-Pacific Regional Space Agency Forum (APRSAF) is an association of space agencies in the Asia Pacific region. The [GNSS workshop](#) will be jointly organised by the Satellite Positioning Research and Application Centre of the Japan Aerospace Exploration Agency, and the Geo-Informatics and Space Technology Development Agency in Bangkok. Further details are available from [here](#)

Source: [Asia Surveying and Mapping Magazine](#)

[Master of Spatial Information Science](#) at the [University of Melbourne](#)

The Master of Spatial Information Science is suitable for graduates of any discipline who are seeking an applied area for their theoretical skills or for those who have had some experience in the use of spatial information and want to become spatial practitioners in their field of specialisation.

[Forestry GIS User Group Opens for Membership](#)

ESRI has launched a new user group specifically for its forestry and timberland management customers. The newly formed ESRI Forestry Group (EFG) will build opportunities for foresters to learn about business solutions, network with like-minded professionals, and develop professional growth.

Source: Vector1Media

[UNIGIS MSc now in Australia](#)

The international UNIGIS MSc postgraduate degree is now offered in Australia through the UNIGIS study centre at the University of Canberra, ACT. Students are invited to enrol in a joint programme combining the capacities from the University of Canberra and University of Salzburg, Austria.

This new UNIGIS study centre is led by Prof. George Cho at the Institute of Applied Ecology, University of Canberra. It offers in-service distance education for professionals interested in GIS and Geoinformatics.

Courses towards the MSc will be launched with an on-site workshop in later in 2009 and lead students to recognized international academic degrees.

Source: <http://www.unigis.net>

[Trimble Seminars](#)

Trimble will launch a new series of web seminars for people with an interest in GPS and GIS. They will be offered every 4-6 weeks. The schedule for upcoming Webinars includes: an introduction to the new Yuma rugged tablet computer and VRS. Visit the [Trimble website](#) for more information.

Source: [Asian Surveying & Mapping](#)

[Web Map Gallery](#)

[Web Map Gallery](#) | [Contribute Web Map](#)

Web Map Gallery is a resource for readers to see what others geospatial professionals have created. We encourage you to contribute to the gallery so that all may benefit from the breadth of geospatial applications now being used in many industries. Please feel free to use the link "Contribute Web Map" above to add your own Internet-based mapping application with as much information as necessary to explain your contribution.

Source: [Directions Magazine](#)

[GIS software training by ESRI](#)

ESRI now offers access to more than 40 beginning, intermediate, and advanced instructor-led GIS courses through a variety of training alternatives and venues including

- Video teleconferencing training at the ESRI learning centers
- Virtual Classroom **online training delivered to students' own workplaces or home computers**

Source:

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[ESRI Training Program](#)

ESRI in Singapore has released its training schedule for the first part of 2010, up to next February. Seats are reserved on a 1st-come, 1st-served basis, upon registration. Training prerequisites will be as indicated in the course notes. For course outlines, contact [ESRI](#) direct.

Funding Opportunities, Awards, Grants

[MapGuide Project Sponsorship Program](#)

The MapGuide Project Steering Committee is pleased to announce the MapGuide Open Source Project Sponsorship and Donation program. This program provides a source of funding to help ensure the continued success of MapGuide Open Source. The full details of the program are available at

<http://mapguide.osgeo.org/sponsorship>.

Source: [OSGeo](#)

[NAVTEQ Global LBS Challenge](#)

The NAVTEQ Global LBS Challenge is focused on driving the development and visibility of innovative location-based solutions (LBS) for wireless devices. The Global LBS Challenge has become the premier event in the wireless industry and a global symbol of LBS innovation and opportunity. From business applications to sports, travel and security, integrating the accuracy and richness of NAVTEQ digital map data facilitates the discovery of the next wave of LBS using dynamic positioning technology.

Winners are chosen by a panel of distinguished judges in each of five regions. Since the launch of the NAVTEQ Global LBS Challenge, over 32% of the finalist companies have gone on to receive venture capital funding or launched commercially-distributed applications, many on major wireless carriers.

Further information on the registration process is available from [here](#)

Thanks to Kate Lance & Wonkug Baek for this update on the Challenge:

UPDATE: [Eight new sponsors for NAVTEQ LBS Challenge](#) Microsoft, Intel, Digital Globe, Alcatel-Lucent, Atlas CT, Imagination Technologies and Mobile Distillery are the new added sponsors to the list. Previously announced sponsors were HTC, Blackberry, deCarta, DeviceAnywhere and Tanla. These sponsors are contributing to a prize pool valued at over \$10 million, mostly made of professional licenses (maps, geospatial platforms, software testing tools, etc).

Source: NAVTEQ

[Earn a PhD in Fuxin](#)

Professor Xu Aigong is seeking PhD students to study under him at Liaoning Technical University in Fuxin, China. His subjects of interest include geodesy and geomatics, GNSS, GIS and intelligent transportation systems. Students may be eligible for support under the 2010 Liaoning Provincial Government Scholarship Program. Email [Prof. Xu](#) for details

[CaGIS invites applications for 2010 scholarship](#)

Cartography and Geographic Information Society (CaGIS) has invited applications for the 2010 scholarship programme. CaGIS sponsors two scholarships to students whose research and accomplishments support the mission of CaGIS. The scholarships recognise academic achievement and encourage the continuing success of outstanding cartography, GIS, and geographic information science (GIScience) students. The scholarships also recognise achievement or potential for achievement in original research advancing the specific disciplines of cartography or GIScience. Winners are selected based on academic achievement, particularly in the calendar year prior to the award. Applications are reviewed by the CaGIS Scholarship Committee.

-CaGIS Masters Scholarship Award (\$500): It is to be granted to a student enrolled in, or accepted into, a Masters' degree programme during 2009 or 2010.

-CaGIS Doctoral Scholarship Award (\$1000): This award is to be granted to a student enrolled in, or accepted into, a PhD degree programme during 2009 or 2010.

Applicants can visit < <http://www.cartogis.org/awards/> > for complete application procedure. Applications must arrive no later than 5:00pm CST on January 15, 2010.

Source: <http://www.cartogis.org/> & GIS News

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Employment Opportunities

[GIS Specialist, Vanuatu](#)

Deadline: 7 January 2010.

The Government of Vanuatu is seeking to engage a GIS Specialist to assist in one of the priorities of the AusAID-supported Governance for Growth (GfG) program - the development of a GIS database to facilitate energy planning in Vanuatu. The consultant will be responsible for providing advice on the framework for collecting raw data, structuring and geo-referencing the data; developing a GIS database which meets project requirements; and developing the design of planning products using features such as themes and layers to facilitate energy planning in Vanuatu. In addition, s/he will also be responsible for providing training to Government of Vanuatu staff to enable them to maintain and update the database.

The position is an **80 days contract position** with an anticipated commencement date in January or February 2010. It is expected that the consultant will spend at minimum 50 days working in-situ in Vanuatu during his/her engagement. The consultant will report jointly to the Government of Vanuatu and AusAID through the Principal Energy Officer, Energy Unit, the Access Power Project Coordinator and the Director of the GfG Program.

Source: Kate Lance

Spatial Jobs Online (Australia) Because of tight application closing dates the editors provide these websites for employment seekers to access directly: < <http://www.spatialjobs.com.au/> > and < <http://www.GISjobs.com.au> >

[Looking for a GIS - Geomatics Job in Canada?](#)

Here are some links: 1) [Geomatics Canada Job Site](#); 2) [GeographyJobs.ca](#); 3) [GoGeomatics Canada](#); 4) [Geomatics Employment Center](#)

Source: V1 Magazine

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Conference Proceedings

[FOSS4G Videos and Presentations online](#)

Presentations, videos and posters from the international conference for Free and Open Source Software for GeoSpatial are now online. So if you missed the conference, or couldn't attend all the sessions, you now have a second chance to participate. In particular, I strongly recommend viewing Paul Ramsey's thought provoking and entertaining [keynote speech](#), "Beyond Nerds Bearing Gifts: The Future of the Open Source Economy", . Almost all presentations, tutorials and workshop material has been collected, and we have videos of 2/3 of all the presentations.

- Presentations, workshops and tutorials and videos are linked from [abstract descriptions](#) & [Videos](#) & [Posters](#) & [Ignight Spatial lightening talk videos](#) & [Photos](#).

Source: [FOSS4G Press Release](#)

From the FOSS4G Conference in Sydney, Australia (from Asian Surveying & Mapping magazine)
[In Praise of FOSS](#)

Paul Ramsey lit up the FOSS4G conference in Sydney this morning (21 October) with a rousing talk on the near-term future of free and open source software, especially geo-information software. His argument: there is less difference between free and proprietary software than you think.

[Anzlic to Endorse CC](#)

The peak body in the Australian and New Zealand spatial industry -- Anzlic -- is expected to endorse Creative Commons as the basis of sharing data sets. That's according to a presentation by Warwick Watkins to the FFOSS4G conference, which is being held in Sydney this week.

[Further Coverage](#) and [even more coverage](#) from Directions Magazine blog

[18th United Nations Regional Cartographic Conference for Asia and the Pacific](#) (Bangkok, 26-29 October 2009)

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[Presentations from 23rd Committee on Earth Observation Satellites \(CEOS\) Plenary Meeting](#)

(Phuket, Thailand, November 3-5, 2009)

[Agenda and Presentations.](#)

Source: Kate Lance

[SuperMap User Conference 2009 Proceedings now available](#)

SuperMap has now put the conference proceedings on line.

[Emerging GIS Landscapes in Central Asia](#)

The 3rd successful Central Asia GIS Conference was concluded by conference chairs Akylbek Chymyrov and Josef Strobl from the Austria-Central Asia Centre for GIScience < <http://www.aca-giscience.org> > on August 28 at the University of Construction, Transportation and Architecture in Bishkek, Kyrgyz Republic. The two-day conference program brought together speakers from Central Asian countries with their counterparts from Central Europe, with representatives from Russia, India, Iran, USA and several other countries making this a truly international event.

Participants received a copy of the conference proceedings at registration (jointly published by KSUCTA and Salzburg University's Centre for Geoinformatics), this volume and further information is available from the conference website at www.aca-giscience.org/gisca.

[Map Africa 2009 Conference Report and Proceedings now available](#)

Source: Kate Lance

[7th FIG Regional Conference: Spatial Data Serving People \(Hanoi\)](#)

Presentations from the 7th Regional FIG Conference are now available from the conference website:

<http://www.fig.net/pub/vietnam/>

Source: [FIG](#)

[GEOINT 2009 Symposium Coverage](#)

The United States Geospatial Intelligence Foundation's GEOINT Symposium (Oct 19-22, San Antonio, TX) underwent a major transformation this year. Historically a conference offering a broad suite of geospatial solutions, it now emphasizes satellite imaging and specifically this year, the exploitation of full motion video (FMV). There seemed to be less of a focus on pure GIS technology, but a heavy concentration on remote sensing. Editor in Chief Joe Francica provides a recap of the technology offered by the conference exhibitors. Source and Links [Directions Magazine](#) with a further updated [link](#)

[ESRI Health GIS Conference Update](#)

Redlands, California — October 13, 2009 — Identifying deficiencies in health and human services delivery and achieving better outcomes using geographic information system (GIS) technology were major themes during the 2009 ESRI Health GIS Conference. An update on the outcomes of the conference is available from [here](#).

Source: [Geoconnexion](#)

[5th gvSIG Conference](#)

We would like to inform you of the availability of presentations, posters and articles presented during the 5th gvSIG Conference which under the motto "We keep growing" brought together 500 attendees from 27 countries.

Videos of presentations and workshops will be published shortly, in Spanish as well as in English.

[1] <http://jornadas.gvsig.org/comunicaciones/reports>

[2] <http://jornadas.gvsig.org/descargas/magazine>

[3] <http://jornadas.gvsig.org/descargas/live-dvd-1>

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Conferences, Events

For upcoming events of global or major international interest, please visit the [upcoming conference list](#) on the GSDI website.

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FIG 2010 Pre-Congress Program

Online registration is now open for the FIG surveying congress to be held in Sydney, 11-16 April 2010. A local surveyor, John Brock, has arranged a history seminar on the two days leading up to the congress (9-10 April). Technical tours have also been organised, including a boat trip to historic Fort Denison.

Source: [Asia Surveying and Mapping Magazine](#)

The editors welcome news of conferences & events from the newsletter subscribers

Date	Location	Event
January 2010		
January 6–8	Redlands, California	The first GeoDesign Summit. Geodesign brings geographic information system (GIS) technology into any type of design process such as developing a community project or conducting scientific research. Participants will introduce the first generation of geodesign concepts, technologies, and tools, drawing from the international group's experience in a variety of disciplines.
17 – 20 January “NEW”	Abu Dhabi, UAE	GIS in Oil & Gas
19-21 January	Epicentre, Gurgaon	MapIndia 2010 The organisers of Map India 2010, the 13th conference and exhibition on geospatial information technology and applications in India, have issued a call for abstracts for the conference. It will be held 19 - 21 January 2010 at Epicentre, Gurgaon. The conference theme is 'Defining a geospatial vision for India'.
25-26 January	Bangkok, Thailand	The first Asia Oceania Regional Workshop on GNSS will be held in Bangkok, Thailand, January 25-26, 2010, just prior to the 16th Asia Pacific Regional Space Agency Forum (APRSAF). The GNSS workshop will be jointly organised and co-sponsored by the Satellite Positioning Research and Application Center (SPAC) of Japan, the Japan Aerospace Exploration Agency (JAXA), and the Geo-Informatics and Space Technology Development Agency (GISTDA). For more information, see the GPS World website below. http://www.gpsworld.com/events/asia-oceania-regional-workshop-gnss-9067
25 – 27 January “NEW”	London	DGI 2010 (Defence Geospatial Intelligence)
26-29 January	Phuket, Thailand	16th Session of Asia-Pacific Regional Space Agency Forum APRSAF – 16 (2010) APRSAF Secretariat c/o Japan Aerospace Exploration Agency 1-6-5 Marunouchi, Chiyoda-ku, Tokyo 100-8260 Japan APRSAF-16 Leaflet (PDF 190KB) Click here to subscribe/un-subscribe to APRSAF News Mail Email
February 2010		
2-4 February	Torino, Italy	Gi4DM 2010 Call for Papers Organisers of the International Symposium on Geo-information for Disaster Management (Gi4DM 2010) have issued a call for papers related to the conference theme, 'Remote Sensing and Geo-Information for Environmental Emergencies'. Invitation is also open for contributions covering crisis management in any phase.

15-17 February	Kochi, India	<p>Societal Applications in Fisheries and Aquaculture using Remote Sensing (SAFARI) Symposium</p> <p>The SAFARI initiative (Societal Applications in Fisheries and Aquaculture using Remote Sensing) is organising an international symposium on Remote Sensing and Fisheries. The symposium will address a number of themes including Operational Use of Remote Sensing for Fish Harvesting; Ecosystem Indicators to assess Fish Health, Growth and Recruitment; and Implications of Climate Change on Fisheries, amongst others.</p> <p>Abstracts should be submitted electronically no later than October 15, 2009.</p> <p>Limited funds for travel expenses will be available to assist selected participants in their efforts to attend the symposium.</p>
March 2010		
3 – 5 March	Gold Coast, Australia	<p>ESRI Asia Pacific User Conference and OZRI 2010</p> <p>The theme for the conference is GIS: extending the reach. ESRI Australia clients, ESRI users and distributors from around the Asia Pacific region are invited to share their knowledge and experience by submitting an abstract based on the conference theme. The event incorporates OZRI 2010, ESRI Australia's national client conference.</p>
3 – 5 March “NEW”	Denver, Colorado, USA	<p>International LiDAR Mapping Forum (ILMF10) Conference Programme (pdf)</p> <p>For more information contact</p>
22 – 24 March	Abu Dhabi, UAE	<p>Map Middle East 2010 Contact</p>
23 – 26 March	Kyushu Sangyo University, Fukuoka, Japan	<p>Fifth International Workshop on "Geographical Analysis, Urban Modeling, Spatial Statistics" GEOG-AN-MOD 10 in conjunction with The 2010 International Conference on Computational Science and its Applications (ICCSA 2010)</p> <p>Important dates</p> <p>10 November, 2009: Deadline for full paper submission</p> <p>7 December 2009: Notification of acceptance</p> <p>8 January 2010: Deadline for Camera Ready Papers</p> <p>March 23-26, 2010: ICCSA 2010 Conference</p> <p>For further information or questions, please send an e-mail to: Giuseppe Borruo (University of Trieste, Italy) or Beniamino Murgante (University of Basilicata, Italy)</p>
April 2010		
11-16 April	Sydney, Australia	<p>International Federation of Surveyors (FIG) Congress 2010 Contact email</p> <p>The deadline for submission of abstracts is 22 September 2009. Alternative URL:</p> <p>FIG 2010 Pre-Congress Program</p> <p>Online registration is now open for the FIG surveying congress to be held in Sydney, 11-16 April 2010. A local surveyor, John Brock, has arranged a history seminar on the two days leading up to the congress (9-10 April). Technical tours have also been organised, including a boat trip to historic Fort Denison.</p>
12-13 April	Melbourne, Australia	<p>The International Symposium on Coastal Zones and Climate Change (ISCZ) will be held 12-13 April, 2010 at Monash University in Australia. The coastal zone will house 75 per cent of the world population by 2025. However, coastal zones face severe socio-economic and environmental problems, of which rising sea level is just one. The symposium is sponsored by the Asia Pacific Network for Global Change Research.</p> <p>Contact - Registration queries</p> <p>Email: Irene.Thavarajah@adm.monash.edu.au</p>

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		Contact - Further Queries Email: Charlotte.Fisher@sci.monash.edu.au
April 13-15, 2010 “NEW”	Toronto, Ontario	GeoTec 2010 - Increasing Productivity, Potential and Profits Call for Presentations – 2010 GeoTec Event DEADLINE EXTENDED! - Submissions due December 7, 2009 Contact Kathleen Hastings.
14-16 April	Zahedan, Iran	4th International Congress of the Islamic World Geographers (ICIWG2010) Abstract deadline has passed. This congress is a chance for scholars across Iran and the world to exchange ideas and offer solutions in order to address obstacles facing the Islamic world and furthermore achieve sustainable development. Information Technology advances, especially in Information Management as well as new technologies in Geographic Sciences such as Geographic Information System (GIS) and Remote Sensing (RS), are very important to the geography community. Contact.
25-29 April	Phoenix, Arizona	2010 GITA Email
April 26-28 “NEW”	Al-Khobar City, Saudi Arabia	The Fifth National GIS Symposium and Exhibition. Featuring a state-of-the-art exhibit, plenary, keynote, and technical sessions, the symposium will bring all stakeholders in the geospatial domain – academia, researchers, students and the industry – onto one platform for interaction, sharing and discussion on various topics such as collaboration on spatial technology and experiences gained. For further details, check the website.
27-28 April	Singapore	Spatially Enabled Government Asia – Singapore – 2010 Spatially Enabled Government Asia will focus on the strategies for data management and data sharing.
26-29 April	Sendai, Japan	PICES Symposium , an international symposium on Climate Change Effects on Fish and Fisheries: Forecasting Impacts, Assessing Ecosystem Responses, and Evaluating Management Strategies. Abstract submission deadline: November 30, 2009 Financial support application deadline: January 15, 2010
28-29 April	Kuala Lumpur, Malaysia	The 6th International Remote Sensing and GIS Conference and Exhibition (MRSS 2010) is being organised by the Malaysian Remote Sensing Society (MRSS) and Universiti Putra Malaysia. It is scheduled for 28-29 April, 2010 at PWTC in Kuala Lumpur. MRSS has issued a call for papers for the conference. Abstracts must be submitted by 10 January, 2010. Contact E-mail (Attn: Ms Nuraini Bt Abdul Thalib) ASIA GIS 2010 Conference further details to be announced
Date to be announced May 2010	Taipei	ASIA GIS 2010 Conference further details to be announced
17-21 May 2010 “NEW”	Chicago, USA	The 2010 International Symposium on Collaborative Technologies and Systems (CTS 2010) Contact contact one of the Symposium's Co-Chairs: Bill McQuay or Waleed W. Smari . Workshop on Sensor Web Enablement 2010 (SWE2010) As part of The 2010 International Symposium on Collaborative Technologies and Systems (CTS 2010) Abstract Submission Deadline: December 18, 2009 Paper Submission Deadline: January 8, 2010 Notification of Acceptance: February 7, 2010

		Registration & Camera-Ready Paper Due: March 1, 2010 Note that the workshop paper submission deadline is different from that of the CTS 2010 main conference.
20-21 May 2010 “NEW”	Taipei, Taiwan	<u>7th Taipei International Digital Earth Symposium (TIDES) 2010</u> Abstract deadline: December 31, 2009. This year’s theme is “Digital Earth for the New Generation Towards a Green Earth”, and topics are related to the fields of Earth Observation & Technology, Social Science & Education, and Environmental Change & Strategy. The focus through these discussions is to upgrade Digital Earth education for the young generation and attract more young people to become involved in Digital Earth study, to help restore the balance now missing in our relationship with the Earth. Contact
26-28 May	Hong Kong	The <u>14th International Symposium on Spatial Data Handling</u> Organisers are inviting abstracts related to the theme Theory, Modelling and Concepts in Geospatial Information Science. The event will explore topics such as digital cartography, data modelling for social science and interoperability. The deadline for abstracts is 31 August. Pdf flyer available at <u>International Symposium Announcement</u>
27 – 28 May “NEW”	Bishkek, Kyrgyz Republic	<u>Fourth Central Asia GIS Conference (GISCA 2010)</u> Water: Life, Risk, Energy and Landuse Contact: <u>Dr. Akylbek Chymyrov</u> Tel: +996 (312) 545602
June 2010		
9-11 June	Washington, DC USA	<u>The First International Conference on Computing for Geospatial (Com.GEO 2010)</u> Important Submission Deadlines Full and Short Papers February 19, 2010, Courses Proposal February 19, 2010 Tech Talks Abstract March 22, 2010, Invited Sessions Proposal January 25, 2009 Workshops Proposal January 25, 2009
9-11 June	Nottingham, United Kingdom	<u>The British Cartographic Society Annual Symposium 2010</u> ‘Talking With Maps’ The closing date for submissions is Friday 8th January 2010. Successful submissions will be notified by no later than Friday 22nd January. Proposed titles and abstracts of no more than 300 words should be submitted to: <u>Mr P Jones</u> , Chair of Programme Committee, Defence Geographic Centre, Hotine 141, Elmwood Avenue, Feltham, Middx, TW13 7AH.
21-24 June	Yogyakarta, Indonesia	<u>9th GISDECO Conference</u> Theme: Applying Remote Sensing and GIS in Disaster Management Abstract deadline: 15 January 2010. The conference aims to encourage the use of geospatial information in disaster and risk management as well as a basis for spatial planning and regional development. Contact: <u>Dr. Richard Sliuzas, ITC</u> For practical matters: <u>Dr. Projo Danoedoro</u> , PUSPICS Faculty of Geography, Gadjah Mada University,
July 2010		
5 – 7 July	Vienna	<u>100 Years ISPRS: Call for Papers</u> Organisers of the ISPRS Commission VII Symposium (5-7 July 2010, Vienna) are inviting papers relating to the theme, 100 Years ISPRS – Advancing Remote Sensing Science. They are particularly seeking contributions that critically review major research areas in

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		remote sensing. The deadline for full-paper review is 28 November 2009. The deadline for abstract-only review is 28 February 2010.
6-9 July	Salzburg, Austria	<p>GI Forum 2010</p> <p>The organisers of the GI Forum 2010 in Austria have issued a call for papers for the conference, which will be held 6-9 July. The conference theme is spatial assessment and analysis of vulnerability. Workshops will be held prior to the conference on 6 July. email</p> <p>IMPORTANT DATES</p> <p>Full papers for publication in the conference proceedings and oral presentation February 1, 2010</p> <p>Extended abstracts for discussion session February 1</p> <p>Extended abstract for poster presentation June 7</p> <p>Workshop presentation February 19</p> <p>Registration deadlines</p> <p>Early registration – until May 28, 2010</p> <p>Online registration – until June 25</p> <p>On-the-spot registration commences July 6</p> <p>The GI Forum pass provides access to the AGIT Symposium and AGIT Expo as well.</p>
12 – 16 July	San Diego	<p>30th Annual ESRI User Conference</p> <p>Call for papers & presentations – Abstract deadline closed 6 November</p> <p>ESRI invites users to tell their GIS story by sharing their experiences with GIS and presenting during a moderated session at the 2010 ESRI International User Conference (ESRI UC).</p>
September 2010		
1-3 September	Paris	<p>PCV2010</p> <p>PCV 2010 will be held in next year. It is an ISPRS selective conference covering all the aspects of computer vision and image analysis dealing with geographic data. PCV focuses on the processing of images and 3D point clouds, acquired from satellites, aircraft or from street level acquisition systems.</p> <p>Important dates: 1 March, 2010: for peer reviewed papers; 1 April: abstracts of non peer-reviewed papers. 31 August is tutorial day. Conference dates are 1-3 September, 2010. Website</p>
October 2010		
18 – 22 October	Singapore	<p>GSDI 12 World Conference – Realising Spatially Enabled Societies</p> <p>In conjunction with the 16th PCGIAP Annual Meeting.</p>
November 2010		
8 – 11 November	London	<p>The 5th International Conference for Internet Technology and Secured Transactions (ICITST-2010)</p> <p>Technical Co-Sponsored by IEEE UK/RI Communications Chapter, Contact</p> <p>IMPORTANT DATES</p> <p>Full Paper Submission: May 31, 2010?</p> <p>Extended Abstract (Work in Progress) Submission: April 01, 2010</p> <p>Proposal for Workshops and Tutorials: April 30, 2010?</p> <p>Notification of Workshop and Tutorial Acceptance: March 15, 2010</p> <p>Proposal for Industrial Presentation: April 30, 2010</p> <p>Early Registration Deadline: January 01 to July 31, 2010</p> <p>Late Registration Deadline: July 31 to November 08, 2010</p>
“NEW”		

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