Spatial Data Infrastructure Asia & the Pacific Newsletter

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Spatial Data Infrastructure – Asia and the Pacific (SDI-AP) is a free electronic newsletter from the Global Spatial Data Infrastructure Association (GSDI) which 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 synchronising these 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 and access archives of thematic or regional discussion lists please visit.

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Message from the editors

Welcome to the October issue of the newsletter.

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: Baek Wonkug for news feeds, Sean Lin and colleagues for the Chinese translation as well as Shivani Lal, *GIS Development*, *GeoSpatial World* and *Asia Surveying & Mapping* magazine for directly contributing to the newsletter.

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GSDI News

GSDI Global Citizen Award

The GSDI Association's Global Citizen Award recognizes globally an individual who has provided exemplary thought leadership and substantive worldwide contributions in (1) promoting informed and responsible use of geographic information and geospatial technologies for the benefit of society and/or (2) fostering spatial data infrastructure developments that support sustainable social, economic, and environmental systems integrated from local to global scales. The recipient receives a medallion and certificate to be presented at the global conference, and is invited to present a visionary speech. Following appraisal of the nominations and final selection by the awards committee, the winner has been selected and is Prof Jacqueline McGlade, former Executive Director of the European Environment Agency (EEA) for the past 10 years and long-time supporter of open data for environmental planning and monitoring. Since 2003, Prof McGlade has overseen a significant increase in the coverage and extent of data and information processed and analysed by the EEA/Eionet, and a doubling of the resources for the agency to support this work. Be sure to attend the conference to hear Jacquie's thoughts on the future, which are always stimulating.

Call for Expressions of Interest in Hosting GSDI 15 and GSDI 16 Conferences

The Global Spatial Data Infrastructure Association supports a major international geospatial conference every twelve to eighteen months. The conference is typically delivered in affiliation with another regularly held national, regional or global geospatial conference and/or with the support of a major sponsoring organization. The gathering is purposefully moved around and across the globe in order to accomplish the Association's purpose of promoting international cooperation and collaboration in support of local, national and international spatial data infrastructure developments that allow nations to better address social, economic, and environmental issues of pressing importance. The locations and proceedings of the past twelve world conferences.

The GSDI 14 World Conference will be held in Africa at the UNECA Conference Center, Addis Ababa, Ethiopia, November 4-8, 2013

Ideally GSDI 15 should be held within the time frame of November 2014 to May 2015 and GSDI 16 would be held approximately 12 to 18 months after that.

The GSDI Association is inviting expressions of interest to host either of these conferences. Affiliation with the GSDI World conference can bring international and global attention to a national or regional geospatial conference or Spatial Data Infrastructure initiatives, attract substantial international participation and sponsorship, and increase numbers of attendees overall.

While the GSDI Association can provide substantial support services, we try to work with a competent local organizing committee that is committed to working with broad geospatial stakeholder communities and which has a proven track record of supporting large geospatial events. Many tasks must be accomplished in preparing for a successful conference. The major conference planning and implementation tasks to be accomplished by the parties are open for negotiation. The specification of these tasks is typically set forth in a written agreement between the GSDI Association and a local legal entity such as a local hosting organization or government agency.

Because revenue from the GSDI World Conferences is an important contributor to the Association's overall budget, organizations proposing to host the next conference(s) should also provide a business case to support their proposal, indicating expected income, expenses and the cost- and revenue-sharing proposal.

Organizations or agencies interested in hosting the 15th or 16th GSDI World Conference should submit a written expression of interest of a maximum of four pages that must include:
- the name of the organization(s) or government agency(s) to serve as the local organizer for the conference,
- the name of the national, regional or global conference with which the GSDI World Conference would be affiliated (if any),
- the country, city and venue proposed for the conference (if known),
- the proposed approximate date for the conference,
- a short statement concerning the resources the local organizers would be able to contribute to the conference and past record in providing such resources,
- the facilities available for the event,
- the benefits to GSDI of affiliating with the organisation and/or event,
- other pertinent information bearing on the success of the conference, and

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- the name and contact details for further communications.

Please send your expressions of interest to mgallant@gsdi.org no later than 17 October 2013.

Proposers will have the opportunity to briefly present their expression of interest orally to the GSDI Council at its meeting on Sunday 3 November 2013 in Addis Ababa. A physical spokesperson is not required but highly recommended. Council members will vote on the proposals and thereby indicate the preferred options with which the GSDI officers should negotiate to select the organizers and locations for GSDI 15 and GSDI 16.

GSDI and IGS Global News, Issue 3 Volume 3 for 2013

GSDI 14 Conference Preparations

Preparations continue for the joint GSDI 14 World Conference and AfricaGIS 2013 Conference scheduled to be held in Addis Ababa, Ethiopia, at the UNECA Conference Center, November 4-8 2013 in partnership with GSDI Association, EIS-Africa, the International Geospatial Society, EiABC - Addis Ababa University and the United Nations Economic Commission for Africa (UNECA).

AfricaGIS is the largest regularly occurring GIS conference in Africa with participants from the whole continent. The GSDI World Conference moves to sites across the globe to offer geospatial specialists from all parts of the world opportunities to better exchange ideas and learn from peers in building spatial data infrastructure. For past conferences.

The selected theme of the conference is "Spatial Enablement in Support of Economic Development and Poverty Reduction" The pressing needs of African nations, their citizens, and the needs of economically disadvantaged nations generally are a particular emphasis of the conference and include such concerns as:

- sustainable development,
- economic development,
- business intelligence and business geographics,
- disaster prevention, warning, management, response, and recovery,
- alleviation of poverty and crime,
- lessening the digital divide including access to information technologies,
- ensuring food security,
- support of transportation, health and communication systems, and
- facilitating land ownership.

Substantial reduction in registration fees will be available for local participants, members of EIS-Africa and members of the International Geospatial Society who are from low income per capita nations. Substantial reductions in Exhibit and Sponsorship fees will be available for companies and agencies that are members of the GSDI Association.

This combined and fully integrated conference offers numerous opportunities for oral presentations and refereed and non-refereed publication outlets. We invite presentations covering the full range of practice, development and research experiences that advance the practice and theory of spatially enabling citizens, government, and industry. The conference theme is Spatial Enablement in Support of Economic Development and Poverty Reduction.

Past GSDI World Conference Proceedings. Past open access Books affiliated with the conference.

* JOIN the GSDI Association or International Geospatial Society to enjoy conference fee reductions! *

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Consult the web site for latest information and details about the program, facilities and Sponsorship opportunities. Come prepared to engage, learn and enjoy! More news on the conference in future issues!

International Geospatial Society (IGS) Free Memberships

At its recent meeting, the GSDI Board of Directors passed a motion that allows individuals in low and very low income nations to join the International Geospatial Society (IGS) by providing specific information of value to the global community in lieu of annual cash dues. To join, simply add your professional profile to the growing interconnected network of geospatial specialists across the globe. Benefits of membership in IGS are listed at http://www.igeoss.org/benefits. For further information, contact Harlan Onsrud, Executive Director, GSDI Association.

Outreach & Membership Committee

Committee vice-Chair, Roger Longhorn has joined the International Hydrographic Organization (IHO) Marine

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SDI Working Group (MSDIWG) and attended the Marine SDI Open Forum meeting in Copenhagen (remotely!) and the following two-day workshop of the MSDIWG, hosted by the Danish Hydrographic Service. The MSDIWG, which has existed since 2009, is setting its new workplan for 2013-2014 and is interested in developing a stronger relationship with non-marine SDI development initiatives at national, regional and global levels. Longhorn will explore this with the GSDI Board and Executive Committee at the next opportunity.

The Outreach & Membership Committee also manages the GSDI Group on LinkedIn, which has added seven new members in the past month, for a total of 229 members today. If you are not already a member of this group, please join today – and tell your friends! Visit http://www.linkedin.com to join, then find GSDI in the 'Groups' option, to join the group.

Technical Committee

Technical Committee Chair, Eric van Praag, Regional Coordinator, GeoSUR Program of the Latin American Development Bank (CAF), along with USGS, has nominated the GeoSUR Topographic Processing Service (TPS), built with ESRI´s AG Server 10.1, for the AAG Stanley Brunn Award for Creativity in Geography. See more news later in this issue.

The Technical Committee is also responsible for updating of the GSDI SDI Cookbook, a wiki maintained at: http://www.gsdidocs.org/GSDIWiki/index.php/Main_Page.

GSDI Member organisations, members of the GSDI Association Committees, Council and Board, and IGS members are involved in the many other regional and global initiatives on an on-going basis:
- Digital Earth (International Society for Digital Earth).
- Eye on Earth.
- Group on Earth Observations (GEO) / Global Earth Observation System of Systems (GEOSS).
- EuroGEOSS – GEOSS Project funded by the European Union.
- INSPIRE – Infrastructure for Spatial Information in the European Community.
- International Hydrographic Organisation – Marine SDI Working Group.
- UNESCO IOC – Marine/Coastal Spatial Data Infrastructure development.
- UNSD (Statistics Division) – UN-GGIM (UN Global Geospatial Information Management).
- UNGIWG (UN GI Working Group).
- UNESCO IOC – Marine/Coastal Spatial Data Infrastructure development.
- UNSDI – UN-GGIM (UN Global Geospatial Information Management).
- UNSDI – UNGIWG (UN GI Working Group).

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SDI News, Links, Papers, Presentations

Indonesia receives grant to build up geospatial information management
The Indonersian Geospatial Information Agency has received a US$ 331,646 Technical Assistance (TA) grant from the United States Government to further support the country's National Spatial Data Infrastructure (NSDI) and disaster management initiatives.
Source: FutureGov.asia

India: Draft request for proposals for Establishment of State SDI (Geo-portal & applications)
The Department of Environment Ecology and Remote Sensing is intending to establish a State Spatial Data Infrastructure (SSDI) with support from the Department of Science & Technology (DST), Govt. of India and the Government of Jammu & Kashmir. Pre-bid feedback is invited on the draft RFP:
See: Notice for pre-bid feedback on draft request for proposals for the Establishment of State SDI (Geo-portal & applications)
Deadline for responses: **CLOSED** September 15, 2013
Draft Request for Proposal – Establishment of State Spatial Data Infrastructure (J&K State Geo-portal), Clearinghouse and development of applications for users
The Department of Ecology, Environment & Remote Sensing, Government of Jammu & Kashmir will be seeking services of a qualified Geo-spatial consultant and Total Solution Provider for establishment of J&K State Spatial Data Infrastructure (J&K State Geo-portal) with state of art geospatial lab facility and clearing house, on a Turn-Key basis which would include supply of requisite hardware, software, software development, customization,

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installation and maintenance. Accordingly, the Department of Ecology, Environment & Remote Sensing will be inviting Total Solution Providers (TSPs) to submit bids in accordance with the Request for Proposal (RFP).
J&K State SDI - an overview
J&K State SDI Workshop on 'Application of Geo-informatics in Planning & Monitoring and Concept of Spatial Data Infrastructure'

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SDI Spotlight

This month's "Spotlight" feature has been held over

The editors remind our subscribers and readers that we welcome contributions for the *Spotlight* feature.

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GIS Tools, Software, Data

Mapper? Join the club!

OpenStreetMap is the worlds best map, built by over a million volunteers just like you. For nearly a decade, the project has been growing exponentially and it can be intimidating to get involved with such a large project
Map Club aims to be a friendly and supportive community to help people get more involved and productive with OpenStreetMap.
Our first member service is a friendly and productive mailing list. Map Club is just getting started, over time many more services and tools will be added. These will be prioritized by club members and paid for by memberships and may include things like activity summaries, editing tools, import-friendly servers (to fix up data before considering it for OSM), OSM evangelism (mapping parties, media, PR) and much more... Our long-term goal is to make sure OSM is complete, including address data and routing metadata.

PDF Maps 2.0 for iOS the ultimate travel companion!

Just in time for getting outside this fall or fall the busy fall data collection season, PDF Maps for iOS has just rolled out a major release – this version (2.) incorporates loads of great new functionality as suggested by the user community. Unique to the space, this is indeed the first and only geospatial PDF and GeoTIFF reader on Apple iOS for travel, outdoor activities or business purposes out in the field. Paired together with mobile devices that utilize GPS, such as an iPhone, the PDF Maps app provides constant access to geographic locations and even points of interest without the risk of losing reception due to cell tower proximity – making it the ultimate travel accessory for any activity in areas where internet bandwidth is not available or while roaming outside one's data zone. **PDF Maps homepage**
Source: GISuser blog

Tableau Public for Data Visualization

Tableau Public is a free data storytelling application. Create and share interactive charts and graphs, stunning maps, live dashboards and fun applications in minutes, then publish anywhere on the web. Anyone can do it, it's that easy—and it's free. Check out Tableau at http://www.tableausoftware.com/public/download
Thanks to AnyGeo blog for this tip

Sri Lanka to set up a national program to coordinate geospatial Information

Sri Lanka is taking measures to set up a national agency to coordinate geospatial data and information acquired by different agencies.
The government says that use of reliable geospatial information, which could exactly indicate the geographic location of a natural or constructed feature on earth such as a road, river, building, and allotment of land or a boundary of land, has become an integral part in socio-economic activities, disaster management, physical planning and in any type of development activities.

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See also: Sri Lanka: creation of national coordinating unit for sharing geospatial data

South Australia embraces Open Data

The South Australian government has joined the ranks of the federal government and other state governments after Premier Jay Weatherill mandated a new requirement for all government agencies to house their public data in a central portal to ensure that it is accessible to the community at large

Australia: report identifies shortages in surveying, geospatial and technical skills

A CRCSI-commissioned ACIL Tasman report, published in July 2013, finds that the shortages in surveying, geospatial and technical skills projected for Queensland and Australia will require a very significant increase in domestic supply if dependence on net migration of skills is to be avoided.

ACIL Tasman analysed customised and detailed Australian Bureau of Statistics (ABS) data from the 2011 Census (as well as the 2001 Census and the 2006 Census) to develop a picture of the surveying and geospatial workforce in Queensland, in terms of occupations, industries and qualifications.

Surveys of the Queensland surveying and geospatial industry and Queensland Government agencies were undertaken to elicit views on likely future demand for surveyors and geospatial specialists in the state.

A demand projection model was developed using ABS Census data, data collected from the surveys and data from other sources. Three demand scenarios were analysed.
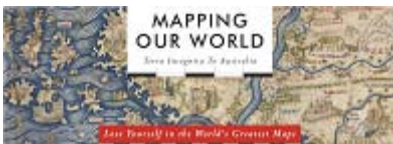
On the supply side, a simulation model was developed by Spatial Information Services to project the future supply of surveying and geospatial graduates based on historical trends and recent developments. The model allows five possible futures to be explored regarding the likely number of future graduates. Skills importation was also analysed.

The skills demand and supply models were then brought together to produce estimates of the surveying and geospatial skills gap to 2025, by type and level of qualification. Finally, potential options for addressing the skills gap were outlined and their implications examined.

Details on the demand, supply and skills gap modelling methodologies are discussed in the relevant chapters of this report.

The report can be downloaded from the CRCSI Resources page:

Mapping Our World: Terra Incognita to Australia

7 November 2013 - 10 March 2014, National Library of Australia, Canberra
A once-in-a-lifetime exhibition presenting the exploration and mapping of the known and unknown world, from the ancient world to Matthew Flinders' map of Australia in 1814. The exhibition will draw on the Library's rich collection of printed and manuscript maps, atlases and globes. It will be augmented by loans of outstanding manuscript maps from international library collections and some of the finest maps, globes and instruments from public and private collections across Australia.

The Structure Sensor Gains Backing to Capture 3D Interior Maps

Occipital is a start-up company that has designed a 3D scanning add-on for an Apple iPad that captures detailed 3D scans of its surroundings. The device is open source, with the ability for developers to modify and change to their purpose, and to be made accessible for any mobile device. The Structure Sensor uses twin infrared LED light sources to image and capture its surroundings. One advantage of the IR sensor is the ability to see in the dark.
Source: Asian Surveying & Mapping

The under-$100 3D Printer Getting A Kickstart – Peachy Printer

A Saskatchewan-based entrepreneur is quickly becoming a Kickstarter celebrity with his pitch to build a $100 3D printer.
Source: AnyGeo blog and Kickstarter and the Winnipeg Free Press

The Draft NSW Location Intelligence Strategy has been released for public comment.
The intention of the Draft NSW Location Intelligence Strategy is to coherently provide the mechanism of Government accountability and transparency in the delivery of unpacking the power of location intelligence.
The Draft Strategy identifies five initiatives designed to deliver our vision, objective and goals:
● Build awareness, capacity and capability
● Integrate governance and coordination

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● Identify and manage government location-based data
● Link NSW Government data to location
●Leverage whole-of-government location platforms and services
You are encouraged to read through the Draft Strategy and provide any feedback and/ or comments through the discussion forums and survey provided.
The 24 page PDF document can be downloaded.
Thanks to Ross Johnson for this item

Astrium's Pleiades Satellite Photographs New Island from Pakistan Quake
Pleaides the very high resolution satellite manufactured and operated by Astrium, photographed the new island of Zalzala Koh from its orbit 695km above the Earth on 26 September 2013.
Using the satellite image, the geo-information experts from Astrium Services have determined the dimensions of the new island 175.7 metres by 160.9 metres – giving a total surface area of 22,726m².
Source: Sensors & Systems

Australia's Outback Rover Helps Improve Accuracy of Earth Observation Satellites
A prototype autonomous vehicle, or rover, developed by CSIRO is helping scientists improve the accuracy of Earth observation satellites that provide valuable data to our mining and agricultural industries. Just as the Mars Rover Curiosity is gathering information about our neighbouring planet, CSIRO's affectionately nicknamed 'Outback Rover' is helping to calibrate satellites that provide clues to Earth's soil condition, mineralogy and vegetation.
Source: Asian Surveying & Mapping

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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.

How Lasers Will Give the U.S. East Coast Precise New Post-Sandy Maps
Ten months after Superstorm Sandy made landfall on the U.S. East Coast, causing over $65 billion in damage and bringing New York and New Jersey to a standstill, ….
… National Oceanic and Atmospheric Administration, the U.S. Geological Survey, and the U.S. Army Corps of Engineers begin a post-Sandy survey from Myrtle Beach to Montauk, its geological footprint remains largely unknown.
Revealing it, with the help of the laser surveying technology lidar, will be the first step of a program that will ultimately overhaul American cartography. By 2023, the USGS aims to have have the entire contiguous United States mapped with a margin of error of just a few centimeters.
Source: The Atlantic "Cities": Maps

UAE (Abu Dhabi): Crowdsourcing app to improve public services a huge success
In Abu Dhabi, citizens are now more empowered to make their communities a better place thanks to a new mobile application called CityGuard, which allows users to report any non-emergency civic issues by using their smartphones. CityGuard was developed by the Abu Dhabi government as part of its on-going efforts to drive citizen engagement by using ICT. It aims to be a collaborative platform where both citizens and the government can work together to improve public services and quality of life.
Users can easily make a report by taking a photo, video or audio of the incident by using their smartphones. The media files are then geotagged to help local authorities determine the exact location of the incident.
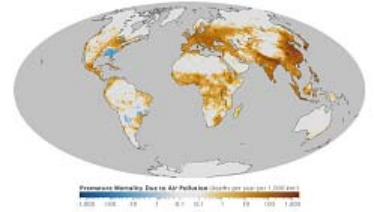The app is available for download free of charge for Blackberry, Android, and iOS platforms.
Source: FutureGov

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Where on earth are you most likely to die early from air pollution?

NASA provides the answer with this mortally serious view of the planet, and it is: *lots of places*. A new NASA map of the planet lays out the depressing geographies of smog and premature death.
Source: The Atlantic "Cities" Maps

Australian inventors help map Pisa tower

Scientists have used a hand-held 3D laser scanner to map the hard-to-reach nooks and crannies of Italy's Leaning Tower of Pisa, documenting vital information needed to repair the iconic building if it is ever damaged by earthquake or fire.

Zebedee, the award-winning mapping device invented by the CSIRO, features a laser scanner that rocks back and forward on a spring as its user walks along, continuously scanning the environment while a computer records the sensor data.

It allows researchers and historians to map cramped terrains like caves, mines and historical sites that have proved too difficult to map using existing technology, typically a bulky scanner mounted on a big tripod.
Source: The Conversation

Countries with high rates of homeownership are significantly less economically productive.

Source: The Atlantic "Cities" Maps

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Articles

Analyzing the Malfunction of a Vertical-lift Drawbridge

Vertical-lift drawbridges are unique structures. To provide clearance for vessels on waterways, the entire road or rail section is lifted vertically between two towers. Counterweights, equal to the weight of the road section, reduce the amount of mechanical force needed to move the section upward or downward.

As with other aging civil infrastructure, operational or structural problems may not be evident until something fails or malfunctions. During normal bridge open-close cycles, rubbing of a counterweight against a column was observed. This led to the suspicion that deformation of the tower structure had occurred, causing it to lean inward.

Surveying the complex tower structures to identify areas of deformation was not possible with conventional single-point instruments such as a total station. Laser scanning, however, can produce millions of accurate x,y,z points that can be used to build a highly accurate 3D model for analysis.
Source: LiDAR News newsletter

FIG Article of the Month - September 2013

In the FIG Article of the Month series high-level papers focusing on interesting topics to all surveyors are published. The paper can be picked up from a FIG conference or another event. The Article of the Month in September 2013 is written by Frank F. K. Byamugisha, World Bank: Improving Land Governance for Development: Opportunities and Challenges for the Survey Profession. This paper is an annotated version of a keynote addressed by Frank Byamugisha from the World Bank at the FIG Working Week, 6-10 May 2013 in Abuja, Nigeria.

The central message of the paper is that surveyors and other land professionals have an important role to play in improving land governance in Africa, which is critical to unlocking the continent's potential of abundant land to end extreme poverty and boost shared prosperity. For further information about land administration and reforms in Sub-Saharan Africa, Frank Byamigisha has just published the book Securing Africa's Land for Shared Prosperity. Download the book here.

ABSTRACT:
Surveyors and other land professionals have an important role to play in improving land governance in Africa, which is critical to unlocking the continent's potential of abundant land to end extreme poverty and boost shared prosperity. Improving land governance and ending extreme poverty within a 10 to 20 year period is not an

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insurmountable challenge if all key stakeholders work in partnership to scale up successful innovations and adopt global best practices. A new World Bank report proposes how to do this via a 10-point program of reforms and investments estimated to cost US$4.5 billion.

High-res gravity maps: a fundamental force for engineers

The value of acceleration due to gravity at the Earth's surface – denoted as "g" in textbooks – is normally given as 9.81ms2 – very simplistically, this means for each second a dropped object falls towards the ground, it accelerates at 9.81 metres per second.

But this value of 9.81ms2 isn't uniform across the surface of the Earth. In fact, in research recently published in Geophysical Research Letters, colleagues in Australia and Germany and the author showed it varies from around 9.764ms2 in the Andes region to 9.834ms2 near the North pole.

The gravitational strength varies because Earth is not a perfect sphere of homogenous (uniform) mass density.
Source: The Conversation

Opportunities for Increasing Societal Value of Remote Sensing Data in South Africa's Strategic Development Priorities: A Review by Paidamwoyo Mhangara and John O Odindi

South Africa Journal of Geomatics Vol. 2, No. 1 (2013) Full text (PDF)

Abstract

Despite the enormous capital required to fund remote sensing initiatives, governments worldwide are increasingly adopting earth observation technologies to optimise operational efficiency and societal benefit. However, the value of information derived from earth observation will increase substantially if augmented by socio-economic data within contextualised focus areas of direct societal relevance. Within the framework of the key strategic development priorities designed by the South African government, the objective of this paper was to review existing and emerging remote sensing applications and their relevance to South Africa's development priorities. Whereas there is potential for adoption of remote sensing techniques in other prioritised areas, this paper identifies health, crime analysis, rural planning and agriculture, natural resource management and physical planning as areas with considerable potential. However, to realise the set strategic priorities and outcomes, decision support systems that incorporate information derived from remote sensing should be maximised. To achieve this, it will be necessary to link patterns and processes from expert knowledge to emerging and existing societal challenges identified and to develop requisite policies of governance. The paper concludes that remote sensing technology has considerable potential to support sustainable socio-economic strategic priorities set by the South African government.

A geospatial cyberinfrastructure for urban economic analysis and spatial decision-making

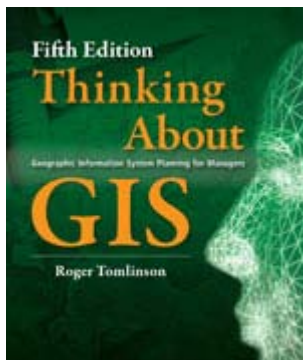ISPRS International Journal of Geo-Information 2, 413-431 (2013)
Authors: Wenwen Li, Linna Li, Michael F. Goodchild, and Luc Anselin

Abstract: Urban economic modeling and effective spatial planning are critical tools towards achieving urban sustainability. However, in practice, many technical obstacles, such as information islands, poor documentation of data and lack of software platforms to facilitate virtual collaboration, are challenging the effectiveness of decision-making processes. In this paper, we report on our efforts to design and develop a geospatial cyberinfrastructure (GCI) for urban economic analysis and simulation. This GCI provides an operational graphic user interface, built upon a service-oriented architecture to allow (1) widespread sharing and seamless integration of distributed geospatial data; (2) an effective way to address the uncertainty and positional errors encountered in fusing data from diverse sources; (3) the decomposition of complex planning questions into atomic spatial analysis tasks and the generation of a web service chain to tackle such complex problems; and (4) capturing and representing provenance of geospatial data to trace its flow in the modeling task. The Greater Los Angeles Region serves as the test bed. We expect this work to contribute to effective spatial policy analysis and decision-making through the adoption of advanced GCI and to broaden the application coverage of GCI to include urban economic simulations.
Keywords: cyberinfrastructure; conflation; OGC; WPS; WMS; WFS; provenance; spatial decision support (SDS); service chaining; urban economic simulation

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Books and Journals (including Videos and Web publications)

[Article on the update to the US NSDI Strategic Plan as well as discussion of the Geospatial Platform](#)

Thinking About GIS, 5th edition

the 5th edition of one of the most popular GIS / GeoTech books to ever hit the market, Thinking About GIS authored by Roger Tomlinson and published by [Esri Press.](#)

The fifth edition has been updated with new resources including case studies, tips, and terminology definitions that reflect the latest advances in GIS technology and information. The accompanying DVD includes examples and templates, exercises, and videos of the seminar Planning and Managing a GIS from the 2012 Esri International User Conference.

From the Esri Store: by Roger Tomlinson, Esri Press, 2013, 280 pages, ISBN: 9781589483484

Thinking About GIS: Geographic Information System Planning for Managers presents a planning model for designing data and technology systems that will meet any organization's specific needs. Designed for two primary audiences, senior managers who oversee information technologies and technical specialists responsible for system design, this book provides a common platform on which to conduct GIS planning. The fifth edition reflects the latest trends in geospatial technology and includes updated case studies. Exercises from Roger Tomlinson's course *Planning for a GIS* and a video of the "Planning and Managing a GIS" seminar from the 2012 Esri International User Conference are included on the accompanying DVD.

[3D Visualisation World](#) (May 2013 newsletter)

Manuel of Photogrammetry, Sixth Edition Now Available

The American Society for Photogrammetry and Remote Sensing (ASPRS) announces the Manual of Photogrammetry, Sixth Edition is now available for purchase through the ASPRS [Bookstore](#).

Under the leadership of J. Chris McGlone, PhD, CP, as Editor-in-Chief and George Y.G. Lee, Technical Editor, the Manual covers photogrammetry in depth, as well as its constituent technologies, providing the student, practitioner, or researcher with a single valuable reference resource.

The overall outline of this Sixth Edition is slightly modified from that of the Fifth Edition. The emphasis is again on digital methods and products, while material on film cameras and analog plotters has been deleted. The mathematical content has been further expanded, especially the treatment of replacement sensor models, along with discussions of digital image processing and computer vision algorithms.

SDI Cookbook update

The SDI Cookbook, in its wiki version, now has an updated Chapter 10 to reflect the latest slate of standards and popular version numbers. We seek contributing editors for the other Chapters to also bring them up-to-date. About three months prior to the next GSDI Conference we will seek to affix a date and snapshot the Cookbook into a "SDI Cookbook 2013" PDF version. By saving a PDF and giving it a date of publication, it will clarify the reference and citation of the document and provide a time context.

If you are interested in helping update any of the chapters, please contact [Douglas Nebert](#).

[GSDI and IGS Global News, Issue 3 Volume 3 for 2013](#)

[NewGeography website](#)

[Mapping London blog](#)

[LandScan: a news update from Land Information New Zealand, Issue 64 (March 2013)](#)
In this issue...
- International acclaim for the LINZ Data Service
- Property rights reputation remains high
- LINZ establishes Crown Land Centre of Expertise
- Location-based information to boost Canterbury recovery
- First new nautical paper chart produced in-house

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- LINZ takes learners on a geospatial adventure
- Stakeholder survey - thanks for your feedback

Borderlines blog from the New York Times

Countries are defined by the lines that divide them. But how are those lines decided — and why are some of them so strange? Borderlines explores the stories behind the global map, one line at a time.

by Frank Jacobs

Frank Jacobs is a London-based author and blogger. He writes about cartography, but only the interesting bits. His other blog is Strange Maps

Blog of **Ragnvald Larsen, geographer**

Geographer working with maps at the Norwegian Directorate for Nature Management. Part of his job is to contribute to development aid projects.

Steve Goldman's **Map Fodder** website

David Rumsay Map Collection

International Society for Digital Earth - August, 2012 Newsletter

Thoughts on the Geospatial industry, Open Standards and Open Source Cameron Shorter's blog

New Zealand - SDI Cookbook Chapter 6 – Government and Industry, moving forward.
Carnival Of The Geospatialists #3 - Musings and Down-Right Cool Things Shared by the Geo Faithful

Open Planet 5, the magazine published for the International gvSIG Conference is now available in electronic format

SDI Magazine

Technology & More (July 2013)

Mother Pelican: A Journal of Sustainable Human Development
The December 2012 issue has been published

LiDAR News, Vol 3, No 16 (September, 2013 Newsletter)

LiDAR News magazine (July-August, Vol 3, No 4, 2013)

Think Quarterly – Google's new on-line magazine

Coordinates monthly magazine - **PDF** (February 2013)

SERVIR-Africa community news

GISuser - GIS and Geospatial Technology News

National Geographic website

The Atlantic Cities website including Maps

Professional Surveyor magazine

The American Surveyor newsletter (September 18)

The American Surveyor Vol.10 No.9 (September 2013)

My Co-ordinates e-zine – August 2013 issue (PDF)

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UN-SPIDER Newsletter June 2013

UN SPIDER Updates August 2013

Thematic Mapping blog
Terrain mapping with Mapnik

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Just for Fun!

Book Lovers Will Adore These Neat New Maps

Emily Badger writes:
About a decade ago, I read a short essay that has stuck with me by Anne Fadiman, in which she neatly named an idea any book lover will probably recognize: You-Are-There-Reading, "the practice of reading books in the places they describe."

Fadiman had read John Muir in the High Sierras, read about early expeditions of the Colorado River while *on* the Colorado River, read *Eloise* with her daughter inside the Plaza Hotel in New York City. Her description of the particular joy of You-Are-There-Reading always comes to mind when I think about the connection between cities and books – cities as backdrops and characters, books as pathways to travel to cities you've never been – or when I stumble across a project like Infinite Boston, a virtual tour (and map!) of the real-life places in fictional *Infinite Jest*.

In my mind, I've been collecting a You-Are-There reading list of books (fiction and non) that in some way tap into the spirit of specific cities: *Devil in the White City* in Chicago, *A Man in Full* in Atlanta, *Midnight in the Garden of Good and Evil* in Savannah, Katharine Graham's *Personal History* in Washington, D.C. It's a wildly incomplete accounting of books I think would be great to read in those places (OK, you'd need a *really long* trip to Atlanta), or books outsiders could crack to understand these cities better.

But there are a lot of books I haven't read, and a lot of places I've never been (please share recommendations!). And so I was excited to come across a couple of mapping projects, linked via *Google Maps Mania*, that are doing a much more comprehensive job than I am of plotting the literal bookmarks (literature landmarks?) between reading and place.

The Book Globe is mapping Booker Prize winners and nominees (by setting, not author's location):
Source: The Atlantic "Cities": Maps

Poor Sales In India Force Maps Provider to Release Navigation App For Free

App developers are struggling to make money in India because of low credit card penetration, according to Michael Stencl, CEO of maps provider Sygic, which has now dropped the $5.58 fee to download its GPS navigation app. As Indian Android owners remain reluctant to purchase apps, mapping providers are turning to features such as offline availability to compete with Google, which has grown in stature since launching turn-by-turn navigation and live traffic updates for Indian smartphone users last year.
Source: Asian Surveying & Mapping and TechCrunch

Google's Street View travels to the Galapagos Islands

Google Maps' Street View team recently traveled to several locations in the Galapagos Islands, snapping panoramic views as they went. Using backpack-mounted cameras and underwater gear, they documented the unique diversity of the archipelago that helped inspire Darwin's theory of evolution. The government of Ecuador established the Galapagos National Park in 1959, setting aside 97% of the islands' land area for preservation. Collected here are images from Google's team as well as from other photographers, taking you on a virtual visit to these amazing islands.
Source: The Atlantic magazine

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Training Opportunities

Call for participation: 2014 MyCOE / SERVIR Initiative in Southeast Asia for Undergraduate and Graduate Students

DEADLINE NOVEMBER 3, 2013

The MyCOE / SERVIR Initiative in Southeast Asia is an 7-month fellowship program for undergraduate and graduate students in eligible countries* who are currently enrolled in any field at an institution of higher education in an eligible country. Students will propose to work with their own mentors/advisors on research ideas and plans that address themes of **Climate Change, Sustainable Landscapes and/or Watersheds** using geographic technologies. Students are invited to propose a research project and will be competitively selected on the basis of their long-term potential to contribute to these topics in the region. Proposals must also include an outreach component to share results with local communities, stakeholders, decision-makers and/or youth in the area.

The MyCOE / SERVIR program will provide students with customized capacity training in GIS, remote sensing, GPS, and/or spatial techniques to help them enrich their research. They will also receive professional development, have access to additional mentoring by international experts and engage in an online community with other fellows. Interested students must apply with a mentor who is willing to work closely with them throughout the duration of the program and attend the 10-day workshop hosted at the US Agency for International Development Regional Development Mission for Asia (RDMA) in Bangkok, Thailand in January 2014. The program provides travel support and research stipends for both students and their mentors. Please see full application instructions online.

The official language for this initiative is English.

Eligible Countries: Thailand, Cambodia, Vietnam, Burma, Laos

*Please note that to be eligible, all participants must be citizens of one of the eligible countries **AND** also be studying (students) or working (mentors) and residing in the same or another of the eligible countries.*

For more information.   *Inquiries*

10th International Society for Photogrammetry and Remote Sensing (ISPRS) Student Consortium & WG VI/5 Summer School

Theme: Geospatial Science for Monitoring of Environment for Sustainable Development
29 October - 2 November Addis Ababa, Ethiopia **Online registration**.

With the main theme "Geospatial Science for Monitoring of Environment for Sustainable Development," the conference will bring together researchers, policy makers, and practitioners from developed and developing countries to share insights into the challenges and opportunities of geospatial science & technology and application in solving these world challenges. The event will showcase cutting-edge research from around the world, focusing on themes of equity and risk, learning, capacity building, methodology, and possibly investment approaches in geospatial applications. It will explore practical adaptation policies and approaches, and share strategies for decision making from the international to the local scale.

Event topics:
    Change Detection
    Food Security
    Agriculture Monitoring
    Land Cover/Use
    Disasters Monitoring

All courses, except the technical trip and social events, include class lectures and discussions. Some of the courses will also offer practical instrument operations and lab exercises. Detail program and schedules will be published on the web site.

Important Dates
    Online Registration Closes: 10th September 2013
    Fee Transfer/ Participation Confirmation: 30th September 2013
    Registration at Venue/ Accommodation: 28th October 2013
    Technical Visit: 1st November 2013

Fees:
    All Students: 100 US Dollars
    ISPRS SC Members: 90 US Dollars
    Above 35 years: 120 US Dollars

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Spatial Data Infrastructure
Asia & the Pacific Newsletter

Limited scholarships for participation at the ISPRS Summer School are available for undergraduate students from Eastern African Universities

Free webinar recording: Open Source Software in Commercial GIS Sofware Applications
Presenter: Michael Rosen, LizardTech Seattle, WA US, Held July 26, 2013

PennState EDU Introduces Maps and the Geospatial Revolution Online Training

An amazing new effort from Penn State (PSU) kicks off this week in the form of a massive, online EDU offering – enter Maps and the Geospatial Revolution. In just 6-9 hours a week, students can enjoy this online offering and learn how advances in geospatial technology and analytical methods have changed how we do everything, and discover how to make maps and analyze geographic patterns using the latest tools. The course is led by PSU instructor, Anthony Robinson. Geospatial Gurus may find the course a little simple but anyone else is encouraged to take part. See the course program.
Thanks to GISUser blog AND **Meet the Man Who Wants to Teach the World to Make Maps** above

UNIGIS distance learning MSc - registration open for fall 2013

Interested students and professionals from Central Asia will again have the opportunity to enhance their qualifications and to improve their career prospects: the UNIGIS MSc in 'Geographic Information Science & Systems' as well as the 'UNIGIS professional' certificate are offered via online distance learning to active professionals and graduates aiming at making GIS and Geoinformatics the basis for their current and future jobs.
The globally recognized UNIGIS qualifications are offered in Central Asia in a cooperation between the University of Salzburg's Z_GIS competence centre and the Austria-Central Asia Centre for GIScience - ACA*GIScience. Degrees and certificates are awarded from the University of Salzburg, Austria. The UNIGIS study programmes for Central Asia are based on English language online materials with support from instructors in local languages.
Registration now is open for the fall 2013 intake of students, starting in October. Enquiries and a brochure for Central Asian students is available online.

Arizona State University GIS Lab

A good place to get a sense of where the geographic information system (GIS) field is headed is Lattie F. Coor Hall at Arizona State University in Tempe, Ariz. That's the home of the 30-credit-hour Masters of Advanced Study in GIS (MAS-GIS) Program within ASU's School of Geographical Sciences and Urban Planning. Here, students are exposed to not only the latest GIS concepts but also ever-evolving technologies.
Source: The American Surveyor

Free Webinars on Solving Data Challenges

Sign up for future webinars and view past recorded webinars

Course Spotlight: Master of Spatial Information Science

The University of Melbourne Course Spotlight: Master of Spatial Information Science
Spatial information is an essential and indispensable part of any economy's infrastructure. It is needed in all walks of life and on many scales, with applications in land tenure systems, environmental modelling, food production, disaster management, climate change modelling, engineering, architecture and urban planning. Current industry shortfalls in spatial information practitioners combined with a growing demand in Australia and internationally, ensure graduates a range of well-paid job opportunities.
Find out more about the Master of Spatial Information Science, as well as our scholarship opportunities.

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Funding Opportunities, Awards, Grants

2013 International Data Rescue Award in the Geosciences
The final submission deadline is October 10, 2013.
IEDA (Integrated Earth Data Applications) and Elsevier Research Data Services are organizing an International Data Rescue Award in the Geosciences.

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Members of the international geosciences community who have worked on efforts that advance preservation and access of research data, particularly dark data, are invited to share their work and the varied ways that these data are being processed, stored, and used.

In establishing the Data Rescue Award, IEDA and Elsevier Research Data Services hope to showcase the breadth, depth and diversity of existing initiatives for disclosing research data within the geosciences, and encourage new developments in this direction. As a side effect, they hope to encourage the establishment of a multi-disciplinary community across all areas of the geosciences to discuss the multitude of tools and methods that are being developed to rescue data from oblivion, and stimulate the sharing of knowledge, tools and standards pertaining to make research data re-usable across various earth and environmental sciences domains.

Details of the judging criteria and a link to a submission template can be found on the Data Rescue Award website.

For more information, please contact one of the two organizers:

Anita de Waard, VP Research Data Collaborations, Elsevier Research Data Services
Kerstin Lehnert, Director, Integrated Earth Data Applications

Singapore Government launches app competition

The Singapore Government announced the launch of Apps4SG, an app development competition promoting the use of government data in developing innovative applications. **The Competition is open to all Singapore residents**.

To be eligible for the competition, a developer must create either a mobile or web-based application featuring the use of at least one government dataset.

The government is offering three attractive cash prizes to winners - the first prize is SG$10,000, the second SG$5000, and the third SG$3000. In addition, all apps will be eligible for consideration to receive seed funding. The government will provide free cloud services to each participating team.

Participants are encouraged to participate in hackathons to get a headstart in conceptualizing ideas and prototypes. Apps that are developed from these hackathons can be submitted to Apps4SG.

Health Up! - May 2013

Environment Up! - April 2013

Apps4SG Hackathon - June 2013

Workshops on app development and government data will be organized for participants to attend.

Register your interest with us and be kept informed! http://www.data.gov.sg/apps4sg/reg.aspx

Submission deadline: October 1, 2013.

Singapore government introduces geospatial scholarship

The Singapore government has introduced the government on Friday introduced the Singapore Geospatial Scholarship, the first of its kind in the island nation. Senior Minister of State for Law and Education, Indranee Rajah, made the announcement on Friday last week. Rajah said the scholarship would be jointly conferred by several public agencies, and will meet the increasing demand for geospatial professionals for the industry. The scholarship is for undergraduate and postgraduate studies. More information is expected to be release later in the year. Ms Indranee noted that Geospatial Information Systems and Technology (GIST) touches many aspects of daily life, such as getting road directions on the smart phone, and providing live traffic condition updates. It is also used in monitoring dengue clusters, and managing issues such as climate change and disaster response

Channel NewsAsia

Ideas Challenge

The Ideas Challenge is at the core of the GMES Masters competition. It invites students, entrepreneurs, start-up companies and SMEs to submit their ideas for an innovative commercial use of GMES to a secure online database on the GMES Masters website. The best idea for a commercially viable business idea using GMES data will be rewarded. The winner will be rewarded with a cash prize of EUR 10,000 as well as the chance to get his idea further developed in one of the six ESA Business Incubation Centres (BICs). The incubation package has a value of up to EUR 60,000.

ESA App Challenge

The European Space Agency (ESA) will award the ESA App Challenge to the best application idea for the usage of GMES on mobile phones. Proposals shall address one or more GMES main thematic areas (land, marine environment, atmosphere, climate change, emergency management). ESA is looking for ideas that can

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be implemented quickly into a profitable business. The application should consist of a base app containing info and news on GMES, as well as one or more specific content modules that provide relevant location-based data to users in real time. The winner will be considered for support by one of the six European Space Agency's Business Incubation Centres (ESA BICs) across Europe (value up to EUR 60,000).

European Space Imaging High-Res Challenge

European Space Imaging (EUSI) is Europe's leading provider of Very High-Resolution (VHR) satellite data. EUSI will award the best application idea using the most advanced VHR satellite data. Application ideas which are easily implementable, sustainable, cut costs and create efficiencies are of high interest. Participants are required to submit detailed application ideas including business concepts. The winner will be awarded a data package of EUSI satellite data worth up to EUR 20,000 for use in further developing the winning application.

DLR Environmental Challenge

DLR is looking for new applications in Earth observation, especially proposals addressing the mapping of the environment and climate. Ideas for using Earth observation to manage sustainable supplies of energy are also welcome. In addition to any kind of non-satellite geoinformation, proposals should be based on existing or imminent Earth observation satellite data that is available either for free or under commercial terms. The product or service generated from the idea should support either professionals from organisations and companies in environmental assessment, or the general public and consumer-oriented markets. Both regional and global applications and services are possible. Innovative ways to link the service with users are especially encouraged. The ideas should also describe a realistic scenario for their implementation involving either the general public or commercial benefits. The winner(s) will receive a voucher for a workshop or initial coaching according to what further realisation of the idea requires.

Best Service Challenge

The Best Service Challenge invites service providers to upload profiles of their existing services within the main thematic areas of GMES to the GMES Masters competition website. The Best Service Challenge aims at increasing the awareness of existing Earth Monitoring Services and their benefits to European citizens. The winner of the Best Service Challenge will benefit from a substantial satellite data quota made available with financial support by the European Commission.

T-Systems Cloud Computing Challenge

T-Systems will award the prize for its Cloud Computing Challenge to the best GMES application or service idea that will make use of the cloud computing model Infrastructure-as-a-Service (IaaS) to provide Earth observation data on demand via user-oriented web portal or mobile devices. T-Systems will assist the winner in getting the awarded project off the ground. They will support the winner to realise an innovation project, which could lead to a long-term partnership.

Challenge to spur the geospatial industry

The Singapore Land Authority has launched OneMap Challenge that seeks to promote the development of innovative map-based desktop and mobile applications by businesses and the community.

The OneMap Challenge provides a platform for application developers to showcase their creativity through the apps they develop to an increasingly tech-savvy population and enterprises, including those represented by the Association of Small and Medium Enterprises (ASME) which is one of the competition promotion partners. The Challenge also aims to facilitate collaborations between potential business partners for creating location-based apps that are useful for business enterprises and the general community.

With two top prizes of $20,000 cash each and other attractive prizes up for grabs, the OneMap Challenge is divided into two categories – Web Applications for applications that run on web browsers and Mobile Applications for those that run on smart phones, tablets and other portable devices.

Visit http://www.sla.gov.sg/OneMapChallenge to learn more about OneMap Challenge and check out the OneMap Facebook page at www.facebook.com/OneMap.

Source: Geospatial World and SLA press release

Employment Opportunities

New career resource (now in its second month) at **GeoJobsBIZ**. There's been about 200 opportunities listed and the growth has been steady in visits and users. If you need to recruit Geo/Tech talent hopefully you'll give it a shot and those of you simply browsing for a new gig so you can tell the boss to go take a hike perhaps there's something here for you. Good luck!

GIS Job Board Launches New Website: www.gisjobboard.com
New Site Provides Employers and Job Seekers Tools to Post and Search Jobs and Resumes in the GIS and Geospatial Disciplines
GIS Job Board has launched a new website specifically dedicated to GIS and other geospatial disciplines. The new site makes it simple for employers and job seekers to post and search for jobs and resumes. The site was created to serve the growing needs of the GIS community and help with recruiting and job seeking efforts.
Visitors also have the option to view the site in a different language if they choose, making it easier for them to have access to the content
Registered users can receive jobs or resumes by email. They can also flag jobs and resumes as well as save searches, setup resume alerts, and save resumes and jobs. Users have the capability of private messaging other users in case they ever want to communicate with someone.
For more information about GIS Job Board, please visit their website at **www.gisjobboard.com**

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Conference Proceedings

2013 Esri International User Conference Paper Sessions

International Symposium on Land Cover Mapping for the African Continent - June 25-27, 2013.

Proceedings: GMES & Africa Water Resources Management Workshop, May 14-15, 2013, Abuja, Nigeria
The "GMES and Africa" process was launched by the Maputo Declaration, signed on 15 October 2006. The initiative aims to strengthen and further develop infrastructure for a more coherent exploitation of Earth Observation data (space and in-situ), technologies and services in support of the environmental policies for sustainable development in Africa and ACP countries.
The GMES & Africa Water Resources Management Workshop (the 2nd GMES & Africa workshop) was organized through the BRAGMA FP7 project and was co-financed by the European Union in the framework of the joint Africa-EU Strategy and by the host organisation NASRDA. It was attended by over 60 participants from over 30 African countries and included representatives of the AUC, AMCOW, ECOWAS, EAC, CEMAC and NEPAD. The Workshop was furthermore attended by representatives from the EU and EU financed supporting projects in Africa and the European Space Agency. The background of the African technical representatives, as proposed by the AUC, was very broad and ranged from members of various (trans-boundary) water resources implementation organizations to members from various national universities, as well as the NASRDA, which also acted as the Workshop local organizing committee.
See: Report on the 2nd GMES and Africa Workshop on Water Resources Management (PDF)
Note: a 3rd GMES & Africa workshop focusing on Long Term Management of Natural Resources will be held June 25-26, 2013, in Sharm el-Sheikh, Egypt.

Australia: AURIN Training Update
Between the 1st and 3rd of May over 35 participants representing 15 partners agencies took part in a training and information session on the Australian Urban Research Infrastructure Network (AURIN) portal and demonstrator projects conducted as part of the North West Melbourne Data Integration Project. This project has been delivered through the Centre for Spatial Data Infrastructures and Land Administration and jointly funded by the Australian National Data Service (ANDS) and AURIN.

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Spatial Data Infrastructure Asia & the Pacific Newsletter

Click here to view the latest Demonstrator video, showcasing the latest eTools and data available through the AURIN Portal.

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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 – as this conference list will be reserved for conferences within or with specific interest to the Asia Pacific Region.

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

Call for Expression of Interest to host AARSE 2014 and future Conferences
Call for Expression of Interest to host the 10th biennial International Conference of the African Association of Remote Sensing of the Environment (AARSE) in October 2014 and future Conferences.

Date	Location	Event
October 2013		
8-10 October	Ankara, Turkey	**APSCO 5th International Symposium on Satellite Remote Sensing (RS) and Geographic Information System (GIS) Development in the Asia-Pacific Region** Abstract deadline: July 15th, 2013.
15 – 17 October	Coombe Abbey, Warwickshire, UK	**1st call for papers** for the **9th International Workshop of the EARSeL Special Interest Group (SIG) on Forest Fires**. The workshop is organised by the University of Leicester with support from the Laboratory of Forest Management and Remote Sensing, Faculty of Forestry and Natural Environment, Aristotle University of Thessaloniki. Contact **EXTENDED** deadline for abstract submission is 15 April 2013.
20-24 October **25-30 October**	Bali, Indonesia	**34th Asian Conference on Remote Sensing 2013** **9th ISPRS Student Consortium and WG VI/5 Summer School**
23-25 October	Beijing, China	**United Nations International Conference on Space-based Technologies for Disaster Management - "Disaster risk identification and response"**. Please submit your application for participation online until 10 August 2013. In the context of the Conference the International Training Programme "Flood Risk Mapping, Modelling and Assessment using Space technology" will be organised for 25 participants of the conference. The organisers will be able to provide financial support to a limited number of participants. Only participants/experts representing a country and/or an organisation engaged in developing a long-term partnership with UN-SPIDER will be considered for the funding support. Those who request funding support must express their government's or organisation's intention to develop a work programme with UN-SPIDER in the coming years. The support will defray the cost of travel (round-trip ticket – most economic fare – between the airport of international departure in their country of residence and Beijing) and/or room and board expenses during the duration of the event. If you have further questions about the conference, contact Mr. Shirish Ravan, Telephone: (+86) (10) 6353 3527

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		For specific questions related to the registration process **contact Ms. Liu Jing**, Telephone: **(+86) (10) 6353 3527**
28 - 30 October	Tehran, Iran	**2nd Meeting of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific** (UN-GGIM-AP) Theme: NGIA's roles in successful disaster response The 2nd Plenary Meeting of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP) is being hosted by the National Cartographic Center of Iran under the theme of National Geospatial Information Authorities' (NGIAs') Roles in Successful Disaster Response. The theme was chosen based on a common understanding and recognition that strengthening regional capacities for disaster response is critical as Asia and the Pacific region is the most disaster-prone region in the world. The intensity and frequency of natural disasters are likely to increase due to environmental degradation, population growth, urbanization and climate change. Considering such circumstances, it is very important for us to meet and discuss disaster response and develop strategies in a coordinated manner. In addition, global trends in the spatial web services will be discussed under the sub theme of The Latest of Spatial Web Services Provided by NGIAs. As the number of Spatial Web Services by NGIAs is increasing in the region, the sharing of experiences and lessons learnt in this area is expected to be beneficial to all participants
29-30 October "NEW"	Phuket, Thailand	**Thailand - GEOS 2013: Geological and Earth Science**
November 2013		
4-8 November **"UPDATED"** **Program details released**	Addis Ababa, Ethiopia	**GSDI 14 and AfricaGIS 2013:** The GSDI Association, EIS-Africa, the International Geospatial Society, and the United Nations Economic Commission for Africa (UNECA) are pleased to announce a close partnership in offering the joint GSDI 14 World Conference and AfricaGIS 2013 Conference. The theme of the conference is **Spatially Enabling Africa in Support of Economic Development and Poverty Reduction**. **IMPORTANT DATES** Deadline for Submission of Abstracts:15 May 2013 Deadline for Submission of Full Papers for Refereed Outlets: 15 May 2013 Deadline for Submission of Full Papers for Non-refereed Outlet: 1 Sept 2013 Deadline for Full Conference Registration Payment for All Presenters: 15 Sept 2013
13-16 November	Skopje, FYRoM	**International Conference on Spatial Data Infrastructures and Spatial Information Management 2013** e-mail
December 2013		
2–5 December	Bellvue, Washington, USA	**Institute of Navigation (ION) Precise Time and Time Interval Meeting**
3–6 December	Hanoi, Vietnam	**Asia-Pacific Regional Space Agency Forum (APRSAF-20)** Theme: Values from Space - 20 Years of Asia-Pacific Experiences

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		APRSAF-20 is being jointly organized by the Vietnam Academy of Science and Technology (VAST), the Ministry of Education, Culture, Sports, Science and Technology of JAPAN (MEXT), and the Japan Aerospace Exploration Agency (JAXA).
16–19 December	Ahmedabad, India	**AGSE 2013 - "Geospatial Momentum for Society and Environment"** Organizers: - Dr. Anjana Vyas (CEPT University, India) Dr. Josef Behr (Stuttgart University, Germany) **Important Dates** Last date of Abstract Submission: 20th June 2013 Last date of Full Paper Submission: 07th September 2013 End of Early Bird Conference Registration: 31st September 2013 **Contact**
2014		
April 2014		
7-9 April **"NEW"**	Canberra, Australia	**Research@Locate'14** **Held in conjunction with LOCATE 14**
7-9 April **"NEW"**	Canberra, Australia	**LOCATE 14 - Conference and Exhibition**
May 2014		
5-9 May	Geneva, Switzerland	**Geospatial World Forum 2014** **CALL for ABSTRACTS** – to be submitted by November 1, 2013 Notification of Acceptance: November 15, 2013 Contact: info@geospatialworldforum.org
21-23 May	Thessaloniki, Greece	**5th International Conference on Geographic Object-Based Image Analysis** (GEOBIA 2014).
June 2014		
16–21 June **"NEW"**	Kuala Lumpur, Malaysia	**XXV FIG Congress: Engaging the Challenges – Enhancing the Relevance** **IMPORTANT DATES** **Peer Reviewed Papers** Deadline for authors to submit **full papers:** November 1, 2013 First notification to authors of acceptance: December 19 **Non Peer Reviewed Papers** Deadline for authors to submit **abstracts:** December 1 Confirmation to authors of acceptance of **abstracts:** January 31 Call for Papers

To subscribe to SDI-AP, please do so online. To contact please email the editors.
Global Spatial Data Infrastructure Association.

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

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