

Global Spatial Data Infrastructure

Latin America and the Caribbean Newsletter

SDI-LAC

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Spatial Data Infrastructure-Latin America and the Caribbean (SDI-LAC) is a regional, monthly, and free, electronic newsletter from the [Global Spatial Data Infrastructure Association](#) (GSDI). It focuses on aspects related with Spatial Data Infrastructure, and on GIS, remote sensing, and data management issues, related with SDI in Latin America and the Caribbean. It aims to raise awareness, provide useful information to strengthen national SDI initiatives, and support synchronization of regional efforts.



Global Spatial Data Infrastructure

GSDI

[GSDI Definition](#)

The [Pan-American Institute of Geography and History](#) (PAIGH), member organization of GSDI, and the [Permanent Committee on Geospatial Data Infrastructure for the Americas](#) (PC-IDEA), promote SDI development in the region. The newsletter is prepared by PAIGH for GSDI.

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Message from the Editor

This SDI-LAC issue highlights the following updates: The **Global and Regional SDI** section comprises notes on GSDI 14 and AfricaGIS 2013; OGC call for comments on Land Information Domain Working Group charter and completion of 3D Portrayal Interoperability Experiment; New ISPRS officers for 2012-2016; and Call for Papers for International Journals and Symposiums. The **IGS section** includes comments on GSDI and IGS Bi-Monthly Global News. The **National SDI** segment informs on the Argentinean National Geographic Institute's SIG-250; the Bolivian SDI for the National Integrated Risk Management Information System; the Brazilian Academy-NSDI First Working Day; an Ecuadorian Invitation to SDI Working Day; Panamanian SDI Awareness workshops; the First Paraguayan National Geoportal; and the Peruvian CCIDEP 2012 National Spatial Data Policy. **Articles and Publications** of the month include a Colombian SDI Elementary Textbook; and articles on the *Metrics to Measure Open Geospatial Data Quality*, and *CityGML and The Netherlands' Open 3D Modelling Standard: Building the Open 3D Information Infrastructure for a Flat Land*. **Geospatial Research and Applications** underline a 3D model of Tobago to plan for impacts of climate change; 3-D Mapping of Isaac Water Levels; and the 3D CityEngine Web Viewer in ArcGIS Online. The **Training and Funding Opportunities** section encompasses calls for international initiatives, among them relevant internship, short course, and

workshop programs. Finally, several **Events taking place in the Americas** are listed in the last section.

Translation of SDI-LAC Portuguese is possible thanks to undergrad students from UNESP **Mateus de Barros Manhani** and **Esrom A. Rissate Júnior**, from UFPE **Caroline Martins** and the cartographic engineers: **Alexandre Scussel**, editorial assistant MundoGEO. **Annette Pic**, MSc in Remote Sensing; **Camila Bassetto Guedes**, advisor of the Operations Department of the DECEA; **Edilce Figueiredo Burity**, Technologist of IBGE/PE Geographic Information and Statistics; **Edmilson Martinho Volpi**, Natural Resources Secretary in SP; **Eduardo Freitas**, editor of the MundoGEO portal and magazine; **Flávio Porfírio**, UGP-Dam of the ITEP; **Juan Carlos Girona Mamani**, a consultant in Geotechnology and IT solutions for Geoinformation; **Rodrigo Quirino** Technologist of IBGE/RJ Geographic Information and Statistics; **Silvana Camboim** Professor at UFPR; **Silvane Paixão**, PhD in Land Administration and Land Information Management. Under the general coordination of Silvane Paixão and review of Eduardo Freitas.

Back issues of the newsletter are at the GSDI website: <http://www.gsdi.org/newsletters.asp>

Editor, Nancy Aguirre, Pan-American Institute of Geography and History (PAIGH), <http://www.ipgh.org>, cnaguirre@ipgh.org

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Input to this Issue

Daniela Ballari	University of Azuay, Ecuador
Santiago Borrero	Secretary General, Pan-American Institute of Geography and History, PAIGH, Mexico
Arturo Brun-Martinez	Architect, Colombia
Leonardo Jauregui	Vice Ministry of Civil Defense, GeoSINAGER, Bolivia
PK Joshi	Guest Editor <i>International Journal of Geoinformatics</i> , Professor and Head Department of Natural Resources, TERI University, New Delhi, India
Kate Lance	SERVIR, NASA/USRA Coordinator, Huntsville, AL, USA
Steve H.L. Liang	Assistant Professor, AITF-Microsoft Scholar in Open Sensor Web Department of Geomatics Engineering Schulich School of Engineering University of Calgary, Canada
Christy Pattengill-Semmens	Director of Science, Reef Environmental Education Foundation (REEF), USA
Brian E. Roberts	Chair Department of Geography and the Environment, University of Texas at Austin, USA

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Global and Regional SDI, News, Presentations

AfricaGIS 2013

GSDI 14



UNECA Conference Center, Addis Ababa, Ethiopia
November 4-8, 2013

GSDI 14 and AfricaGIS 2013: November 4-8, 2013

Source: Newslist GSDI by way of Santiago Borrero

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.

This combined conference is planned to take place in the UNECA Conference Center (http://new.uneca.org/uncc/home_uncc.aspx) in Addis Ababa, Ethiopia from November 4-8, 2013. Pre-conference and post-conference workshops, meetings and seminars will also be supported. The theme of the conference is "Spatially Enabling Africa in Support of Economic Development and Poverty Reduction."

AfricaGIS is the largest regularly occurring GIS conference in Africa with participants from the entirety of the continent. The GSDI World Conference moves across the globe to offer geospatial specialists in all parts of the world opportunities to better exchange ideas and learn from global peers in building spatial data infrastructure. For past conferences, see <http://www.gsd.org/gsdConferences>.



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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.

Consult the web site as the Call for Papers and details about the program, facilities and sponsorship opportunities become available. Website: <http://gsdi.org/gsdi14>

44th Meeting of the Directing Council of the PAIGH

Source: Santiago Borrero

The [PAIGH's National Section in Argentina](#) invites the Pan American community to attend the 44th Meeting of the Directing Council to be held from November 14-16, 2012 in Buenos Aires, Argentina. The following documents are available to interested parties: [draft agenda](#), [registration form](#), [accomodation](#), [location map](#) and [information for delegates](#). Within this framework, the "History of the Americas" Workshop will be held on November 12-13 (only by invitation) and the 5th Meeting of the CAF-PAIGH GeoSUR Program -the Geospatial Network for Latin America and the Caribbean, on November 14. Further information available upon request at: secretariageneral@ipgh.org



[Online Metadata Workshop of the GeoSUR Program](#)

Source: Santiago Borrero



The GeoSUR Program is currently offering to its participating agencies a distance e-learning workshop on metadata management. The workshop is being conducted from September 17th through October 21st, 2012 and it will cover 40 hours of effective training. The workshop agenda includes topics such as the use of metadata standards, introduction to SDI concepts, metadata creation and editing, implementation of metadata catalogs and registration with the GeoSUR Portal. The workshop is offered in Spanish.

The training is made possible thanks to the financial support provided by CAF - the Latin American Development Bank, administrative support by the Pan American Institute of Geography and History and technical support by the Spanish Geographic Institute (in Spanish IGN) and the Colombian Geographic Institute. The IGN offers the trainers, the teaching material and the technological platform that makes this training possible. There are 50 students registered from 16 countries from the LAC region. The practices are being developed under the platform Ibermatica.

OGC Seeks Comments on Land Information Domain Working Group Charter

Source: announce@opengeospatial.org



The Open Geospatial Consortium (OGC®) announces the formation of a new OGC Land Information Domain Working Group (Land Info DWG) to address CAD, Land Information System (LIS) and Geographic Information System (GIS) interoperability challenges facing industry domains concerned with the built environment. Organizations and individuals throughout the Architecture/Engineering/Construction (AEC) industry need to be able



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to exchange detailed civil and survey engineering data within that industry. They, and others in fields as diverse as environmental sciences and location marketing, also need to be able to use such data with geospatial data and geospatial applications. In general, geospatial systems have evolved from requirements for observation and analysis, whereas land information systems have evolved from requirements for design and legal property description. To meet this data exchange need, over the past 10 years a group of volunteer organizations and individuals developed the LandXML model and associated XML schema. LandXML is a non-proprietary standard for data exchange among the land development, civil engineering and surveying communities. Over 70 registered software products support LandXML, and many organizations around the world, such as the Australian Department of Lands, the Federal Aviation Administration (FAA) and the US Army Corps of Engineers, rely on LandXML as a data exchange format for mission critical activities. The goals of the Land Information DWG are to find the best approach for incorporating the LandXML schema into the OGC's standards base and to explore ways to incorporate land related information into OGC standards. This is the first time the OGC membership is tackling comprehensive integration of survey, civil engineering, and other land based data stored in CAD and GIS databases. This new work complements a legacy of activities in the OGC dating from the CAD-GIS DWG (now the [3DIM DWG](#)), the [CityGML Standards Working Group \(CityGML SWG\)](#), and other [OGC DWGs and SWGs](#). The draft charter can be downloaded from: https://portal.opengeospatial.org/files/?artifact_id=50172. Comments must be received by **15 October** 2012. Please send comments to Gene Roe (gene.roe at [lidarnews.com](mailto:gene.roe@lidarnews.com)).

OGC Completes 3D Portrayal Interoperability Experiment

Source: announce@opengeospatial.org

The Open Geospatial Consortium (OGC®) has completed the 3D Portrayal Interoperability Experiment (3DPIE). The 3DPIE was designed to test and demonstrate different approaches for service-based 3D visualization using the candidate OGC standards for 3D portrayal: the OGC Web 3D Service (W3DS) and Web View Service (WVS) Interface standards. Results have been published as an OGC Public Engineering Report (https://portal.opengeospatial.org/files/?artifact_id=49068). This report will provide the basis for further standardization efforts in service-based 3D portrayal. The OGC members participating in the 3DPIE worked to identify, test, and further develop technology standards and workflows for spatial data infrastructure that supports rapid visualization of very large and complex 3D geospatial data sets. The objective of the candidate W3DS and the WVS standards is to make it as easy to integrate and visualize 3D urban and landscape models in web applications as it is easy to integrate 2D maps in web applications. The 3DPIE clarified specifics of 3D portrayal services and provided a proof of concept as well as best practices and guidelines for the candidate standards' implementation, integration, and use. The experiments demonstrated the feasibility of 3D portrayal services using massive real-world 3D data, including a complete textured 3D city model of Paris. New image- and vector-based streaming and visualization methods have been integrated into established software products and research prototypes. By linking various solutions for serving geospatial 3D assets with web and mobile applications using the 3D portrayal services, interoperability was successfully demonstrated. Of particular interest is the Extensible 3D (X3D) Graphics International Standard, which is the open standard for real-time 3D communication developed and administered by the non-profit Web3D Consortium (www.web3d.org). Also, the upcoming HTML5 web standard was addressed by using WebGL and declarative X3DOM technology for directly embedding 3D spatial data in modern web browsers. Members of the Web3D Consortium worked to help identify key technological issues and develop common integration strategies. Prof. Volker Coors, one of the OGC representatives in the Web3D Consortium, comments: "I was really impressed by the results of the experiment, especially how well OGC services and Web3D technologies complement each other." The Web3D Consortium is a member-driven organization involved in many technical initiatives across the 4D value chain. The Web3D Consortium is a member-funded industry consortium committed to the creation and deployment of open, royalty-free standards that





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enable the communication of real-time 3D across applications, networks, and XML web services. Web3D works closely with the International Organization for Standardization (ISO) and has active projects with W3C, OGC, DICOM, IMS, KHRONOS, and MPEG standards-development organizations to maximize market opportunities for its membership. More information on Web3D Consortium membership is available at <http://www.web3d.org>

New ISPRS Officers for 2012 – 2016

Source: Santiago Borrero



The International Society for Photogrammetry and Remote Sensing (ISPRS) [e-Bulletin Issue No. 4 - 2012](#) is now available, and includes information on the New ISPRS officers for 2012-2016. During the XXII ISPRS Congress held in Melbourne, Australia from August 25 to September 1st, 2012 new officers for ISPRS were elected. The new Council and Technical Commission Presidents are:

President	Chen Jun (China)
Secretary General	Christian Heipke (Germany)
1st Vice President	Orhan Altan (Turkey)
2nd Vice President	Marguerite Madden (USA)
Congress Director	Lena Halounova (Czech Republic)
Treasurer	Jon Mills (United Kingdom)

The eight Technical Commissions are lead by:

TCP Comm I	Charles Toth (USA)
TCP Comm II	Songnian Li (Canada)
TCP Comm III	Konrad Schindler (Switzerland)
TCP Comm IV	Jiang Jie (China)
TCP Comm V	Fabio Remondino (Italy)
TCP Comm VI	Jianya Gong (China)
TCP Comm VII	Filiz Sunar (Turkey)
TCP Comm VIII	Vinay K Dadhwal (India)

Prof. Chen Jun, new ISPRS President, said during the closing session that while good ISPRS traditions will be kept, necessary reforms need to be implemented following the strategic plan. ISPRS is a society with a long history, high reputation and strong influence. But besides new opportunities it is currently facing grand challenges, such as strong competition and increasing demands of the society at large. The photogrammetry, remote sensing and geospatial information community has been continuously asking for more reliable, more accurate and more current information, more effective analysis and simulation, and more advanced visualization and representation. As the leading scientific society in this field, ISPRS should have a stronger scientific voice, closer collaboration with other organizations, and provide better service for society. A good team effort with open discussions, wise decisions and dedicated implementations is required. The new ISPRS officers will do their best and mobilize all necessary resources to achieve these goals.

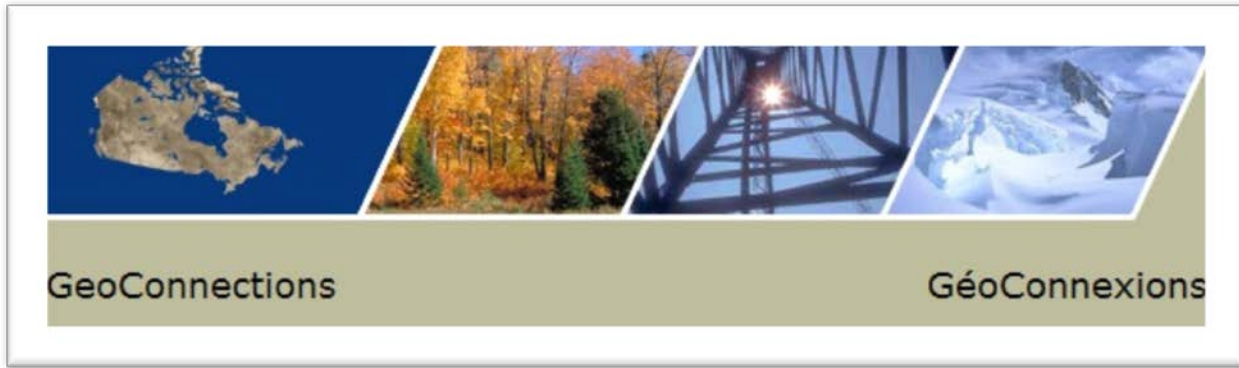
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Two Videos now Available on GeoConnections Website

Source: info-geoconnections

The GeoConnections Program (www.geoconnections.nrcan.gc.ca) invites you to learn more about the Canadian Geospatial Data Infrastructure (CGDI) by watching two videos available on the GeoConnections Website:



- "CGDI in Action" describes, in plain language, the infrastructure developed by GeoConnections, a program led by Natural Resources Canada.
- "CGDI Interoperability Pilot Project" highlights the collaboration, the concepts, the technology and the Open Geospatial Consortium (OGC) services behind the OGC Web Feature / Web Map Service partnership network, through the demonstration of a variety of scenarios involving closest-to source update, access and use of Canadian public geospatial data.

The videos are available in both Official Languages (English and French) and offer closed captions. To watch the videos, visit the GeoConnections Website at: <http://geoconnections.nrcan.gc.ca/18>. If you would like more information about the videos or about the GeoConnections program, please contact: Info@geoconnections.nrcan.gc.ca

Announcement of the new AGILE website

Source: Santiago Borrero

The Association of Geographic Information Laboratories for Europe (AGILE) council is very pleased to announce the new AGILE website which has been re-designed over the past months. The website can be reached at <http://www.agile-online.org/>. You will also find the webpages for the AGILE 2013 conference with all the information you need. Over the coming weeks and months the content will be updated and completed by the council.

Deadline Extension - GEOProcessing 2013: Call for Papers, Tutorials, Panels

Source: GEOProcessing 2013 by way of Santiago Borrero

GEOProcessing 2013, The Fifth International Conference on Advanced Geographic Information Systems, Applications, and Services will be held from February 24 to March 1, 2013 in Nice, France.

Sponsored by IARIA, www.iaia.org

General page: <http://www.iaia.org/conferences2013/GEOProcessing13.html>

Call for Papers: <http://www.iaia.org/conferences2013/CfPGEOProcessing13.html>

Submission page: <http://www.iaia.org/conferences2013/SubmitGEOProcessing13.html>

Submission deadline: October 12, 2012.





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Call for papers *International Journal of Geoinformatics*: Special Issue on “Climate Change”

Source: PK Joshi by way of Santiago Borrero

The planet Earth's climate has undergone drastic changes in the recent as well as distant past. It is anticipated to experience more radical alterations in the not-too-distant future also. Regardless of the standpoint one might have with respect to global warming, the footprints of climate change impact are detectable and more pronounced impacts are predicted. Wary observation and scrutiny of past records and accurate interpretation and integration of archived spatio-temporal variability observed might help finding scientifically calibrated and precise answers to questions of climate change.

Living in an age of readily and freely available information tools and techniques to solve issues of interoperability, and integrated hard and soft computing skills one is confident to generate different scenarios. The global access to internet right from mobile sets to desktop has generated unprecedented awareness and access to vast quantities of data and information for both producers and users of such knowledge. Such information could be pitched to respective users and communities. This calls for timely tapping of the strengths of earth observation systems and geospatial data processing capabilities to predict patterns and trends that could impact climate and natural resources including human beings. Considering the importance of climate change issues and availability of Geoinformatics (remote sensing, GIS, GPS and computers) to characterise it, *International Journal of Geoinformatics* is bringing out a special issue on “Climate Change” where topics on spatial-temporal analysis climate, monitoring and prediction, their linkages with various stakeholder, spatial variability and relationships between patterns and processes and their dynamics in the global change scenarios will be covered. The broad areas covered but not limited to climate change studies, analysis, information systems, change simulations, both in human manages and natural landscapes and linkages with mitigation and adaption options will be covered. Deadline for receiving the full manuscript is **October 30, 2012**. Contact: pkjoshi27@hotmail.com / pkjoshi@teri.res.in / [More information: http://j-geoinfo.net/](http://j-geoinfo.net/)



Call for Papers: 12th International Symposium on Web and Wireless Geographical Information Systems (W2GIS 2013)

Source: Steve H.L. Liang by way of Santiago Borrero



The 12th International Symposium on Web and Wireless Geographical Information Systems (W2GIS 2013)

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The Symposium will take place on April 4-5, 2013, in Banff, Alberta, Canada (<http://www.w2gis.org>). Full paper submission is due on **October 30, 2012**. Submission Page: <https://www.easychair.org/conferences/?conf=w2gis2013>. The recent advances on the developments of Wireless and Internet technologies have generated increasing interest in the diffusion and processing of geo-referenced data. Wireless and Internet devices also offer new ways of accessing and analyzing geo-spatial information. Consequently, new challenges and opportunities have been provided to the GIS research community. This Symposium is intended to provide an up-to-date review of advances in recent development of Web and Wireless Geographical Information Systems (W2GIS). It is the 12th in a series of successful events beginning with Kyoto 2001, and alternating locations between East Asia and Europe. This year, and for the first time, W2GIS will move to North America. We invite submissions that address both theoretical and technical issues of W2GIS. Accepted papers will be published in the Springer Lecture Notes in Computer Science series (pending approval). Each paper must be written in English, should be limited to 6000 words, and submitted in PDF file. Authors

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please see www.springer.com/lncs for formatting template. Each paper must include a short abstract and a list of keywords indicating subject classification. The full names and addresses of the authors should be printed only on the title page. The author who is the contact person should be identified as such. Acceptance of a paper means an obligation for at least one of the authors to attend the conference and present the paper. A selection of best papers will be considered.

Geospatial World Forum 2013

Source: Santiago Borrero

May 13th -16th, 2013 at Rotterdam, The Netherlands

(<http://www.geospatialworldforum.org/2013/index.htm>). Geospatial World Forum is a premier event for the global geospatial community showcasing state-of-the-art technology and its utility in the world economy. The conference aims at enriching the geospatial ecosystem, which comprises of the geospatial technology providers, users, policy makers and the academia with market intelligence, latest technology knowledge, success stories and capacity building. It is a confluence of a variety of activities in the form of plenary, symposia, seminars, workshops, panel discussions, dialogue and exchange forums – covering the vast gamut of technology, application, policy, use cases from across the world. Theme: Monetising Geospatial Value and Practices. You may submit abstracts on the following topics or any other theme related to geospatial technologies: Defence, Agriculture, City Management, Cadastre and Registration, Mining, Construction and Infrastructure, Banking and Insurance, Telecom, Smart Grids, Water Resources. Submit Abstract deadline: **October 15th**, 2012. Please write to papers@geospatialworldforum.org for paper submission related queries.



[TopCart 2012 / I Latin American Congress on Geomatics and Earth Sciences](#)

Source: Santiago Borrero

The X TopCart 2012 will be held from 16-19 October, 2012 at the Association of Technical Engineers in Topography of Spain. Its fundamental objective is to make scientific and technical advances regarding Topography, Cartography and other related sciences known. This event will bring together many specialists from Latin America and Spain from multiple fields connected to Earth Sciences. A wide space will be opened for technological and commercial exhibition, where there will be debate on the advantages and disadvantages of applying the new procedures, through proven techniques and active coexistence between the various business and professional sectors. The Congress is sponsored by the National Geographic Institute, the Cadastre of Spain and by the Pan American Institute of Geography and History. The congress agenda includes [10 thematic areas](#), identified by the best experts and professionals in the Geomatics and Earth Sciences field. The most relevant documents are [available here](#). For further information please contact: xcongreso@coit-topografia.es



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GeoNext: Why Where Matters?

Source: GeoNext Conference by way of Santiago Borrero



GeoNext (<http://www.geonext.com.au/>), Australia's newest conference for the myriad of users and creators of location-based information, with a particular focus on the next wave of geotechnologies, will run again in 2013, on the 27 February, at the Australian Technology Park in Sydney. A call for papers has just been launched - if you have a paper on big data, open government, indoor position, location and the cloud, location analytics, or map-making in the 21st century, and wish to have your paper seen by some of the freshest minds in the geo-community, we strongly encourage you to submit. Papers will be selected on the basis of

quality of abstract, originality, topicality, relevance and providing solutions to issues. The selection of papers will be made by the Program Committee, whose decision will be final. Presentation sessions are generally 20 minutes in duration, with additional time for questions. Applications to present a paper should be submitted before **19 October 2012**. [Sponsorships for GeoNext 2013](#) are also available. For more information, including how to submit, visit www.geonext.com.au/call-for-papers

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IGS News, Links, Publications



International
Geospatial Society



GSDI and IGS Bi-Monthly Global News

Source: Newslist GSDI by way of Santiago Borrero

Doctor Mabel Álvarez, President of the International Geospatial Society, presented the IGS in the GSDI monthly column in *GIM International* magazine's June issue - "The International Geospatial Society: A Young Initiative", repeated below:

The International Geospatial Society (IGS) (<http://www.igeoss.org/>) is the individual membership arm of the GSDI Association (<http://www.gsdi.org>). While only geospatial organisations may join the GSDI, the IGS permits individuals not attached to such organisations to become more fully engaged with peers from around the world. The IGS enhances communications globally among individuals who are actively involved in promoting, developing or advancing spatial data infrastructure and related concepts.

The International Geospatial Society initiative began in June 2009 during the GSDI 12 World Conference which was held in Rotterdam, The Netherlands. Through the GSDI Association, processes were developed for the election of the first IGS president and vice-president, each for a two-year term. This election was held electronically in the first half of 2010 and members from 50 different countries participated.

In recent years, many university graduates have completed a master's or PhD thesis on Spatial Data Infrastructure (SDI), Geographic Information System (GIS) and related topics. However, these documents are spread across many different locations which often makes them difficult to find. Because many IGS members are affiliated with universities and research centres, a collaborative project was launched to compile a list of such postgraduate theses produced



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from the year 2000 onwards. The entry for each thesis includes a complete citation (incorporating the author's name, title, institution and date), an abstract and, if applicable, a link to the openly available, full-text version of the document online. All entries were uploaded into the GIKNet document archive (<http://giknet.org/depot>) as an open access document prior to the IGS meeting that was held in May 2012 as part of the GSDI 13 Conference in Quebec City, Canada (<http://gsdi.org/gsdi13>).

Members of both the GSDI Association and the International Geospatial Society receive the GSDI's bi-monthly GSDI and IGS Global News publication, which is edited by Roger Longhorn, vice-chair of communications of the GSDI Outreach and Membership Committee [Current and past issues of the GSDI and IGS Global News in pdf format are available at <http://www.gsdi.org/newsletters#GSDI>]. A new, regular section has been added to each issue of GSDI and IGS Global News to present IGS members. In the March/April issue, the column entitled "IGS Member of the Month" contained profiles of two IGS members. This initiative has been very well received by IGS members, who have been invited to submit their profiles for sharing with the community.

Finally, I would like to take this opportunity to express my thanks for the support given by the GSDI board and for the collaboration of IGS members, whose contributions, ideas and suggestions are the lifeblood of the International Geospatial Society.

More Information about the IGS: Information about the GSDI Association can be found at www.gsdi.org. A short flyer outlining the benefits of International Geospatial Society membership is available in English at <http://bit.ly/Lc7pSL> and in Spanish at <http://bit.ly/KPCNXU>

This article appeared in *GIM International*, June 2012, vol. 26, no. 6. View the article online at: <http://www.gim-international.com/issues/articles/id1885-The International Geospatial Society A Young Initiative.html>

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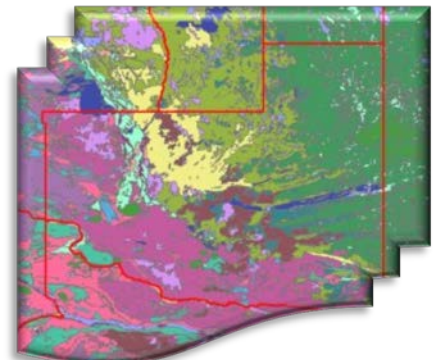
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ARGENTINA

[National Geographic Institute's SIG-250](#)

Source: <https://2mp.conae.gov.ar/>

The primary mission of the National Geographic Institute of Argentina is to characterize the country through official maps and ensure that the maps of Argentina that are drawn, entering or circulating in the country conform to that official maps. In this framework, the National Geographic Institute developed as official cartography (in Spanish SIG-250), a Geographic Information System of Argentina at scale of 1:250,000. This is composed of a series of 21 shapefile layers. All layers of the National Geographic Institute's SIG-250 are now available for download, and may be used with [2MP Software](#) and [SoPI](#). You may also download a [Technical Specifications](#) document.



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BOLIVIA

Spatial Data Infrastructure of the National Integrated Risk Management Information System of Bolivia

Source: Leonardo Jauregui



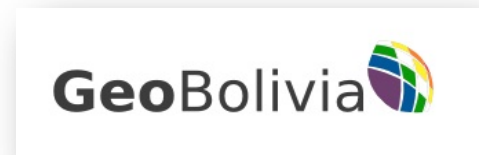
The World Bank is supporting the Pluri-national State of Bolivia, on fulfilling the goal of implementing a Spatial Data Infrastructure, starting up with a GeoNode platform to facilitate exchange and promote collaborative use of information between all components of the National Disaster Risk Reduction and Disaster / Emergency Attention System (in Spanish SISRADE). This project is implemented by the Deputy Minister of Civil Defense (in Spanish VIDECI) under the legal and institutional framework of the National Integrated Risk Management Information System (in Spanish SINAGER). To access to the site called Geosinager you may log on to: <http://geosinager.defensacivil.gob.bo>. In the first phase of this project, knowledge-producer, scientific and technical institutions such

as the National Service of Geology and Technical Mining (in Spanish SERGEOTECMIN), the Military Geographical Institute (in Spanish IGM), and the National Service of Meteorology and Hydrology (in Spanish SENAMHI), among others, are being engaged while implementing GeoNode. Moreover, activities are underway in order to involve other national sectors such as the ministries of Health and Sports, Education, Rural Development and Land, and Environment and Water within this initiative. In a third phase risk management units of state and municipal governments will be included, through the provision of a server and training events for the GeoNode Platform Management and Use.

[Internal Presentation on of GEORCHESTRA Installation](#)

Source: <http://www.geo.gob.bo/>

On September 13, a presentation of a French Free Software used to build Spatial Data Infrastructure (SDI) called "GEORCHESTRA", took place in La Paz, Bolivia; its installation process and potential importance to the GeoBolivia project was explained. This presentation was intended for the GeoBolivia Project staff. However, a schedule of presentations on the GeoBolivia Project's progress and objective compliance directed to other organizations and the general public is in progress.



BRAZIL

[Academy-NSDI First Working Day](#)

Source: <http://www.inde.gov.br/>



The Chair of the National Commission of Cartography, through the Secretary of Strategic Planning and Investment of the Ministry of Planning, Budget and Management, hosted the First Working Day of the National Spatial Data Infrastructure for the Academy (in Portuguese INDE Academia), which was held on September 24-26, 2012, in Brasilia-DF, Brazil. This event aimed at increasing cooperation between academia, policy makers, and the coordination bodies of the National Spatial Data Infrastructure (in Portuguese INDE), allowing advancing discussions on teaching, development, research, and innovation issues,

associated with inclusion of territorial dimensions within public policy management in the context of INDE's development and improvement. This event permitted a rapprochement between demands of public officials for including territorial dimensions into public planning, and the academy's vision. It also fostered the identification of opportunities for INDE's research-lines expansion and diversification on matters of interest to the consolidation of INDE as a government platform for public policy monitoring and assessment. [Here is the event schedule.](#)



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ECUADOR

Invitation to Working Day on Spatial Data infrastructures: Geoinformation Available to Society

Source: Daniela Ballari by way of GeoSUR list

The University of Azuay and the Institute of System Studies Branch of Ecuador (in Spanish IERSE) are pleased to invite you to participate in the conference "Spatial Data Infrastructures: Geoinformation Available to Society", in which the Spatial Data Infrastructure (SDI) of the University of Azuay will also be presented. It will take place on October 18, 2012 at the campus of the University of Azuay in Cuenca, Ecuador. The goal of the conference is to create a space for dialogue to share experiences in the development of SDIs, analyze SDIs progresses in Ecuador, and identify courses of action for technical and scientific advancements in this field. Topics covered by presentations, although not exclusively, are:

- SDIs applications locally, provincially and nationally
- Experiences and lessons learned in the development of SDIs
- Successful geoinformation interoperability and exchange practices
- Geoinformation technology, economic and social exchange
- Geoinformation standardization and system interoperability solutions
- Applications for bringing geoinformation to society
- GeoWeb 2.0 and voluntary geographic information SDI applications

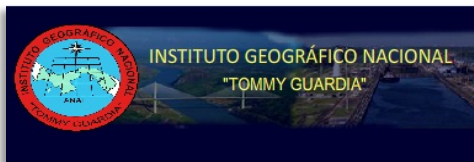
Attendance to the conference is free but registration is required by **October 5**, 2012 at dballari@uazuay.edu.ec



PANAMA

[IPDE Awareness Workshops](#)

Source: <http://ignpanama.anati.gob.pa/>



First awareness workshop on the Spatial Data Infrastructure of Panama (in Spanish IPDE), was held on July, 2012 with participation of 32 representatives of partner-state institutions including: the Panama Maritime Authority (in Spanish AMP), the Aquatic Resources Authority of Panama (in Spanish ARAP), the National Authority of Land Management (in Spanish ANATI), the Republic General Comptroller (in Spanish CGR), the Ministry

of Economy and Finance (in Spanish MEF), the Electricity Transmission Company (in Spanish ETESA), the Ministry of Agricultural Development (in Spanish MIDA), and the National Geographic Institute "Tommy Guardia". This workshop is the first of three workshops that will be taking place for the purpose of diffusing objectives and organization of the Panamanian Spatial Data Infrastructure.

PARAGUAY

[First Paraguayan National Geoportal](#)

Source: Kate Lance

The Itaipu Technological Park - Paraguay (in Spanish PTI-PY), through the Center for Geographic Information Innovation (in Spanish CIIG) and Data Center, in agreement with the Ministry of Planning (in Spanish STP), under the President of the Republic of Paraguay, are undertaking this important project. The design of the National Geoportal of Paraguay consists of a web based Spatial Data Infrastructure (SDI), that contains digital map data and related data primarily from Paraguay, allowing information visualization, query, editing, geoprocessing and download according to protocols, regulations and legislation to be determined. The national mapping acquis available in one place with formats that allow comparison between layers has several benefits such as: flexible and dynamic accessibility to all map information existing in the country's institutions; the accessibility of exclusive official versions; constant updating of information; visibility in the global village; potential comparison of various information and synergies; resource

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optimization; and ultimately, information safety and preservation. See also: [Paraguay to get its national geoportal soon](#). The portal is still a prototype and will be completed in phases. In the first phase, basic information from institutions will be processed into digital format. Users will have free access to this information. In the next stage, users will be given a provision to upload geo-referenced information. The geoportal will provide information regarding maps of political boundaries, water, educational institutions, hospitals etc., throughout the country. As of now, the agencies are compiling all the information available at the state level. The portal will contain digital map data and associated data of Paraguay (http://beta.geospatialworld.net/News/View.aspx?id=25412_Article)

PERU

[CCIDEP 2012 National Spatial Data Policy](#)

Source: <http://www.ccidep.gob.pe/>

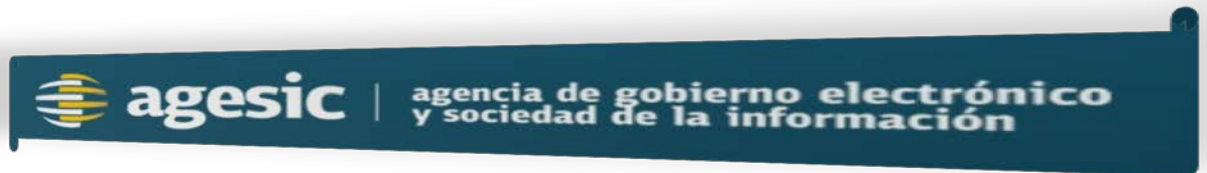


Introduction: Pursuant to the second agreement of the Permanent Coordinating Committee on Spatial Data Infrastructure of Peru (in Spanish CCIDEP) Meeting Minutes 003-2012, this document is a policy proposal to be implemented in the short term and that will guide the work of CCIDE during 2012. This document consists of five basic policies and their respective guidelines that will serve as a framework for actions and activities of CCIDEP and Working Groups. These policies have been developed on the basis of workshops held by the CCIDEP, the Policy Working Group, and various documentary records. Full document may be found [here](#).

URUGUAY

[Geographic Addresses Model of Uruguay](#)

Source: <http://www.agesic.gub.uy/>



Is now available the Uruguayan Geographic Addresses Model. This specification will allow implementation of geocoding services through a common scheme, achieving a high level interoperability of common objects and concepts. This Model seeks to standardize institutional geographical information in a way to unambiguously locate addresses, thus reducing costs and minimizing errors. A very important side is that having unified institutional information will help achieving data matching (interoperability). So far each agency developed own solutions to exclusively solve its particular issues. As a result of this situation autonomous solutions without a single criterion were developed, such that one address had more than one reference. This new Model is a guide for agencies to establish information production, update and maintenance guidelines. The Addresses Model has significant benefits including improved management and reduced costs for the institutions implementing it, plus inclusion of new geographic address-database services. [Download the Geographic Addresses Model of Uruguay](#).

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Articles and Publications of the Month

Elementary Textbook on Spatial Data Infrastructure

Source: <http://www.icde.org.co/>



The Colombian Spatial Data Infrastructure (in Spanish ICDE) is defined as an operational instrument through which policies, standards, organizations, and technology resources are integrated in order to facilitate national geographic information production, access and use to support decision-making in all public policy fields. In this sense, the ICDE comprises a set of strategies organized around main geographic information producer and user institutions that join forces to strategically guide the flow of this information in the country. This elementary textbook includes sections on ICDE, geographic information, standards, policies, information access mechanisms, and Institutional Strengthening. Full text may be found [here](#).

Metrics to Measure Open Geospatial Data Quality

Source: Kate Lance

Issues in Science and Technology Librarianship Winter 2012

Abstract: This paper explores measurement standards on the quality of open geospatial data with the purpose of optimizing data curation and enhancing information systems in support of scientific research and related activities. A set of dimensions for data quality measurement is proposed in order to develop appropriate metrics. This paper will explore the standards of measurement on the quality assessment of open geospatial data with the purpose of improving information infrastructure in support of scientific inquiries. It will examine some of the existing metrics created for the measurement of geospatial and other types of data, based on which new content and structure have been developed to adjust to the unique features of open geospatial data creation, acquisition, management and use. A well-defined standard on data quality may be applicable to the measurement of other stages and types of open data development, although minor variations may exist [The complete article may be found at: <http://www.istl.org/12-winter/article1.html>]

CityGML and The Netherlands' Open 3D Modelling Standard: Building the Open 3D Information Infrastructure for a Flat Land

Source: <http://www.directionsmag.com/>

Adding a third dimension to the National Spatial Data Infrastructure (NSDI) makes a lot of sense in a heavily populated country where two-thirds of the land is vulnerable to flooding. The Open Geospatial Consortium (OGC) City Geography Markup Language (CityGML) Encoding Standard is already in use in spatial data infrastructure programs in Germany, France, Malaysia, Abu Dhabi and other countries, where it provides an important platform for the transition from 2D to 3D data. The Netherlands, however, is the first country to have made CityGML a national standard. In this article we describe CityGML and look at how NSDI stakeholders in The Netherlands worked together to establish a national 3D standard that aligns to both the existing national 2D standards and the international OGC standard for 3D geoinformation, CityGML [Full article may be found at: <http://www.directionsmag.com/articles/building-the-open-3d-information-infrastructure-for-a-flat-land-ogc/276211>]



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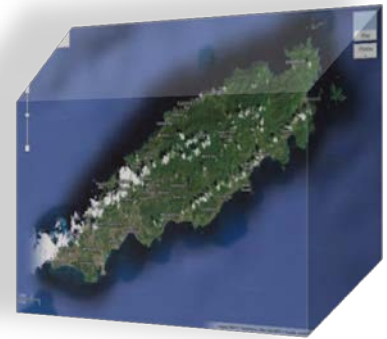
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Geospatial Research, Applications, Software, Data

[Residents of Tobago to Build 3D Model of their Island to plan for Impacts of Climate Change and Extreme Climatic Events](#)

Source: PPGis.net Blog

Over 200 residents of Tobago will come together in early October 2012 to build a three-dimensional model of Tobago. The process will contribute to formulating responses and develop action plans addressing the impacts of climate change and extreme climatic events. The process will be facilitated by the Caribbean Natural Resources Institute (CANARI), the University of the West Indies (UWI), the Tobago House of Assembly (THA), Division of Agriculture, Marine Affairs, Marketing and the Environment (DAME) and the Partners with Melanesians (PwM). The project is funded by the Technical Centre for Agricultural and Rural Cooperation ACP-EU (CTA), the United Nations Development Programme and the Global Environment Facility (GEF) Small Grants Programme (SGP). The project will pilot, for the first time in the region, the use of participatory three-dimensional modelling (P3DM). P3DM is a tool that can be used across the Caribbean islands to facilitate effective participation by local communities and other stakeholders in the identification of general policy priorities, as well as specific policies and actions needed on the ground to address the impacts of climate change and extreme climatic events. P3DM will allow the recognition of the value of traditional knowledge, increase capacity, facilitate coordination and collaboration across sectors, and build buy-in for implementation of plans for resilience to climate change and extreme climatic events.



[3-D Mapping of Isaac Water Levels](#)

Source: <http://www.usgs.gov/>



U.S. Geological Survey

A new technology is being deployed by U.S. Geological Survey scientists to map urban flooding caused by Hurricane Isaac. Called "terrestrial lidar," or "T-lidar", this new capability will enable scientists to collect highly detailed information in select population areas in Louisiana, Mississippi, and Alabama where the hurricane had the greatest impact. The portable instrument allows scientists to quickly generate 3-D maps of buildings, dams, levees and other structures, and can show areas of storm damage as well. In a four-to-five minute scan, the instrument collects millions of topographic data points in a full 360-degree view to quickly produce highly accurate topographic information and can map areas up to two-thirds of a mile away. The information gathered from this pilot project will be used by USGS to develop 3-D models of streets and structures, including the levels floodwaters reached, as well as current water levels in the form an interactive 3-D flood inundation map. The map will help identify where the potential threat of future floodwaters is greatest, and will help determine the extent of wind and flood damages caused by Isaac. "If a picture paints a thousands words, a T-lidar scan paints several million words to capture the fleeting aftermath of a hurricane's impact," said USGS Director Marcia McNutt. "The ability to rapidly preserve for posterity a quantifiable, three-dimension representation of storm damage is going to open the doors for new flood hazard science. Using terrestrial lidar in this fashion has the possibility of helping us quickly assess high-water marks, current water levels, and to some degree flood damage, in a very short time," said Athena Clark, director of the USGS Alabama Water Science Center. "We're always looking for better, more efficient and cost effective ways of advancing the science and this technology has some great possibilities."

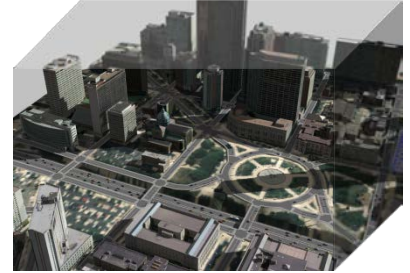
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[ESRI just got a Whole lot More 3D](#)

Source: Arturo Brun-Martinez

ESRI announced the availability of CityEngine Web Viewer in ArcGIS Online, allowing anyone with a WebGL-enabled browser to navigate and explore uploaded 3D cities and environments created in CityEngine 2012. It is, in a word, awesome. First, CityEngine is the software ESRI acquired when they bought Procedural, a move announced at 2011's user conference. It allows for the relatively rapid creation of 3D city models. It's used in everything from video games and movies to development proposals and visualization. Until now, though, the models basically resided on someone's desktop and it was difficult to share those models. With Web Viewer, all that changes. Now anyone with a WebGL-enabled browser can not only navigate the models in three dimensions, but you can now search for tagged objects, turn layers created by the modeler on and off so that you only see what interests you, even adjust the lighting to reflect the sun's position on a specific time of day on a specific day. It's potentially an incredibly powerful tool for any number of applications and professions, from architects to city planners to game development and plenty more.



[International Landsat Cooperators Meeted in Sioux Falls](#)

Source: <http://www.usgs.gov/>

As Landsat continues to circle Earth, international partners of the Landsat program in almost a dozen locations downlink and process the data, sharing images with a global community of scientists, engineers, and land managers. These partners meet annually for the Landsat Technical Working Group (LTWG) meeting, which will be held this year in Sioux Falls, SD, September 24-28. LTWG serves as a venue to discuss operational and technical issues and explore expanded opportunities for collaboration. This meeting, the twenty-first for the group, will concentrate on establishing reception, processing and distribution capabilities for the next Landsat satellite. The Landsat Data Continuity Mission (LDCM) is set for launch in early February 2013. The state-of-the-art imaging satellite—to be known as Landsat 8 once it successfully achieves orbit—will build on the 40-year record of Earth observations by the Landsat satellite series and greatly expand the program's capabilities to impartially record changes on the surface of the Earth.

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Training and Funding Opportunities, Awards

REEF Marine Conservation Internship Accepting Spring Applications

Source: Christy Pattengill-Semmens by way of Caribbean Coral Reef Group

Reef Environmental Education Foundation (REEF) is now accepting applications for the Spring 2013 Marine Conservation Internship. The internship is designed to provide in-depth experience in marine conservation and non-profit organizations. The program is geared to college-age individuals (Juniors, Seniors, recent graduates and graduate students). REEF Interns gain experience in community outreach, education programs, and field work including lionfish handling/collection and reef fish identification. Interns also have opportunities to scuba dive and volunteer with other marine conservation and non-profit organizations. The internship is unpaid, but a housing stipend is sometimes available.

The internship is based out of REEF Headquarters in Key Largo, Florida. Applications for internships starting in January of 2013 are due by **November 1st**. Please visit <http://www.reef.org/about/internships/application> for more information on the internship and how to apply.





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International Course on Groundwater Management

Source: CATHALAC_Educación

The course will be held on November 12th-16th, 2012. This course is designed to provide opportunity for participants to increase their knowledge in tools use for understanding, modeling and management of groundwater resources, both aspects of quantity and exploitation such as those related to the quality and protection of water resources.

The course is in classroom theory and practice and develop large

sections of drill and practice in the use of specialized software using real cases. The course involves two modules, each module consists of topics of interest to the proper management of groundwater. It is aimed at professionals from diverse disciplines related to integrated water management, with the component of groundwater from the point of view of exploration and exploitation of resources to supply for population, industrial and mining exploitation and resource protection to overexploitation, timely diffuse pollution, seawater intrusion, etc. Online registration:

<http://www.cathalac.org/en/education/education-news/register-now> (Select the groundwater management course). For further information please contact CATHALAC Education Division: educacion@cathalac.org



UN-SPIDER International Expert Meeting on Crowdsourcing Mapping for Disaster Risk Management and Emergency Response

Source: UN SPIDER by way of Santiago Borrero



This is to remind you that there is only one more month left to apply for the UN-SPIDER International Expert Meeting on Crowdsourcing Mapping for Disaster Risk Management and Emergency Response from 3rd to 5th December 2012. If you are interested in the meeting, please apply before 19th October 2012:

<http://www.un-spider.org/event/5689/2012-12-03/united-nations-international-expert-meeting-crowdsourcing-mapping-disaster-risk>. UN-SPIDER is organizing the International Expert Meeting on Crowdsourcing Mapping for Disaster Risk Management and Emergency Response with the aim of connecting Volunteer and Technical Communities with the space industry as well as the disaster management community. Crowdsourcing mapping is a constantly evolving and interdisciplinary field combining many areas of expertise, including the need to access and use space-based technologies. With its mandate to promote the use of space-based information UN-SPIDER is ideally positioned to serve as a bridge between national institutions responsible for disaster management and other end users as well as space solution experts, in order to create synergies and support the establishment of networks during this Expert Meeting. If you are an expert currently working in any of the relevant areas (disasters, crowd-sourcing mapping, space-based information) and would like to participate in the meeting please do consider applying to this meeting by **19th October** 2012 (Application Deadline). Please note that attendance will be strictly limited to 110 experts. The organizers will be seeking a geographical balance as well as equal representation from the three communities.

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Employment Opportunities

Grinnell College Tenure-track Position in GIScience and International Development

Source: Brian E. Roberts



GRINNELL COLLEGE



The Global Development Studies Concentration at Grinnell College will be conducting a search this fall to fill a tenure-track position in international development and GIScience. We are quite open concerning the particular area of focus within international development, but do want someone trained in a social studies discipline or an interdisciplinary program with a social studies focus. The successful candidate will teach an introductory course in GIS as well as courses in the interdisciplinary global development studies concentration and possibly one of the major departments. Applications can be submitted online at <https://jobs.grinnell.edu>. Candidates will need to upload a letter of application, curriculum vitae, transcripts (copies are acceptable), statement of teaching philosophy, proposed course descriptions, statement of research interests, teaching evaluations (if available), and three letters of references.

Leadership Opportunity with Amazon Watch

Source: larc-l@lists.iisd.ca



Amazon Watch (<http://amazonwatch.org>) is seeking candidates for its new Deputy Director position in San Francisco, USA. This is a leadership opportunity with a growing advocacy organization. Amazon Watch is seeking an entrepreneurial, savvy, hands-on manager as the Deputy Director (DD) to join in continuing the organizational vision and growth. As Amazon Watch expands its programs, the DD will be a key contributor. Based in the San Francisco Headquarters, the DD will lead the strategic planning process and be responsible for managing and directing the development, finance, and operations departments to deliver effective support to the program and communications teams and to indigenous and local communities in the regions of the Amazon where the organization works. The ideal candidate will have a proven track record of financial management in a non-profit context as well as knowledge of development processes and systems. The DD will have the skills to effectively partner with staff and consultants to develop budgets, conduct scenario planning, and build systems to scaffold organizational growth. All applicants must be legally authorized to work in the United States. Founded in 1996, Amazon Watch is a nonprofit organization that protects the rainforest and advances the rights of indigenous peoples in the Amazon Basin. It partners with indigenous and environmental organizations in campaigns for human rights, corporate accountability and the preservation of the Amazon's ecological systems. Amazon Watch has led the way in a number of groundbreaking victories for indigenous peoples' rights and the environment through leading effective campaigns, educating corporations and the public, and strengthening the capacities of indigenous committees. Please send resume and cover letter about why you would like to join this team and why you are the best candidate for the job to: Helena Brykarz, Contract Recruiter, Global Recruitment Specialists, PO Box 7382, Berkeley, CA 94707, Tel: 510-527-3316, E-mail: hbrykarz@globalrecruitment.net URL: www.globalrecruitment.net

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Other

[A Gallery of Amazing Species](#)

Source: Arturo Brun-Martinez

The International Union for Conservation of Nature (IUCN) Red List of Threatened Species™ is a rich information source on more than 60,000 species of animals, plants and fungi. The small selection of species on this map represents the IUCN Red List's breadth of geography and diversity. The IUCN Red List of Threatened Species™ is widely recognized as the most comprehensive, objective global approach for evaluating the conservation status of the world's species. The IUCN Red List objectively assesses species and their risk of extinction based on measurements of population size and/or geographic range, and their trends in the past, present and/or future. Species listed as Critically Endangered, Endangered and Vulnerable are collectively described as "Threatened".



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Americas: Conferences, SDI Events

[ESRI users Latin American Conference](#)

Source: <http://www.ign.gob.ar/>

The event will take place on **October 4-5** in Buenos Aires, Argentina. Aeroterra and ESRI invite participation of two days of GIS presentations where you may interact with users from around the region and learn from ESRI'S experts on ArcGIS technology improvements. The aim of the conference is to strengthen GIS knowledge and skills, talk to ESRI products' specialists, and explore different GIS topics through a variety of technical presentations. For more information please log on to: <http://www.aeroterra.com/lauc2012/>

[Third Brazilian gvSIG Working Days "Free Technology: Sustainability and Management Assurance"](#)

Source: gvSIG News Office



[3rd Brazilian gvSIG Working Days](#) will take place on **October 18**, 2012 in Sao Paulo (Brazil). Under the slogan "Free Technology: Sustainability and Management Assurance", this event represents the third formal meeting of gvSIG users and developers organized in Brazil. More information in the [Communications Section](#). Contact: jornadas.brasileiras@gvsig.org

[United Nations/Chile Workshop on Space Technology Applications for Socio-Economic Benefits](#)

Source: Kate Lance



The United Nations/Chile Workshop on Space Technology Applications for Socio-Economic Benefits will take place on **November 12-16**, 2012 in Santiago, Chile. It is hosted by the Naturales Resource Information Center (in Spanish CIREN) of Chile, co organized by The International Society for Photogrammetry and Remote Sensing (ISPRS) and The National Aeronautics and Space Administration (NASA) of the United States of America, in partnership with Secure World Foundation. The overall objective of the workshop is to increase awareness among policy makers and planners on the socio-economic benefits of utilizing space technology. The workshop will contribute to international cooperation by providing opportunities to exchange in-depth information on Space Technology Applications for Socio-Economic Benefits. Specific objectives for this workshop are to:

- Share information on research and application studies that have demonstrated the use of space technology for societal benefit;

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- Address principles and mechanisms for enhancing national, regional, and international cooperation in space technology development and applications;
- Demonstrate the benefits of various space technology applications for priorities highlighted by the RIO+20 United Nations Conference on Sustainable Development: energy, cities, food, water, oceans, and disasters; and
- Promote integration of space solutions into national development agenda, including building institutional and governance frameworks.

The workshop will lead to the development of collaborative projects ideas, that while addressing specific societal issues confronting individual member states or regions, are applicable globally; the identification of research activities in the context of decision-making that would benefit from space solutions; and the development of a strategy for building institutional capacity to integrate space solutions into the national development agenda.

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OCTOBER 2012

1	Houston TX, USA	Fall 2012 Meeting: New Positioning Techniques
1-3	Buenos Aires y Luján, Argentina	Geographic Information Systems 2012. Applications in Planning and Land Management
1-3	Bogotá, Colombia	Latin CACS/ISRM Conference
1-5	Medellín, Colombia	Latin American Conference on Informatics
1-4	Portland OR, USA	URISA's Annual Conference for GIS Professionals
1-12	Cartago, Turrialba, Costa Rica	First International Course on Using the SWAT Model as a Tool for Hydrographic Basin Management
3-5	Guadalajara, México	WODES 2012
4-5	Buenos Aires, Argentina	19th ESRI Users Latin-American Conference
4-5	Entre Ríos-Concordia, Argentina	26th Forest Working Days of Entre Rios-Concordia
8-11	Orlando FL, USA	GEOINT 2012 Symposium
8-12	Guayaquil, Ecuador	Seventh Latin American Conference on Objects and Learning Technologies
9-11	Hanover NH, USA	INTERGEO Conference and Trade Fair 2012
10-12	Rio de Janeiro, Brazil	8th International Conference Virtual City and Territory
10-13	Oakland CA, USA	North American Association for Environmental Education (NAAEE) 41st Annual Conference
11-12 *NEW*	West Palm Beach FL, USA	19th Annual South Florida GIS Expo
15-17	Dallas TX, USA	Field Service Interactive
15-19	Santiago del Estero, Argentina	14th Humboldt International Meeting "The Deglobalization Time"
16-18	Athens GA, USA	2012 Georgia URISA Geospatial Conference
17-20	La Plata - Buenos Aires, Argentina	11th INTI International Conference La Plata 2012
17-20	Medellin, Colombia	Americas Regional Conference IFLA 2012: Border: Landscapes Alert
18-20	Santiago, Chile	UC-ICA Latin-American Conference
18	Sao Paulo, Brazil	3rd gvSIG Brazilian Working Days / Contact: jornadas.brasileiras@gvsig.org
18 *NEW*	Cuenca, Ecuador	Conference on Spatial Data Infrastructures of the University of Azuay: Geo-information available to society / Contact: dballari@uazuay.edu.ec
22	Houston TX, USA	Oil and Gas Pipeline Conference
22-24 *NEW*	Montreal, Canada	World Congress on Information Technology (WCIT 2012)

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22-23	Guayaquil, Ecuador	First Latin America Congress of Free and Open Source GIS (Latin OSGIS)
23-24	Punta del Este, Uruguay	34th International Conference on Data Protection and Personal Privacy in Uruguay
23-25	Atlanta GA, USA	12th Annual Outage Response and Restoration Management
23-25	Mérida, Venezuela	2nd Venezuelan Congress of Geographic Information Systems GIS (COVESIG)
23-26	Montevideo, Uruguay	V Congress ALAP 2012, Transitions in Latin America and the Caribbean. Demographic Changes and Social Challenges and Future
24-25	Santiago, Chile	2nd ESRI User Meeting Chile
24-26	Buenos Aires, Argentina	3rd International Congress and 10th Latin America and the Caribbean Symposium "The region forehead the challenges generated by the crisis and emerging paradigms in the international and regional levels. Historical analysis, economic and sociopolitical (CEINLADI)
24-26	San Francisco CA, USA	The World Congress on Engineering and Computer Science 2012
24-28	Ibagué, Colombia	6th International Course on Tools for Monitoring Carbon Abduction in Land Use Systems
Oct. 28 – Nov. 1	Tampa FL, USA	MAPPS/ASPRS 2012 Specialty Conference
29-31	Concepción, Chile	SIRGAS Meeting 2012

NOVEMBER 2012

1-4	Vancouver BC, Canada	37th Annual Meeting of the Social Science History Association "Historical Geography and Histories of Capitalism"
5-7	San Diego CA, USA	SI World 2012 - Situational Intelligence
5-7	Las Vegas NV, USA	Trimble Dimensions User Conference
5-9	San Miguel de Tucuman, Argentina	26 Scientific Meeting (AAGG2012) and First International Workshop on Geomatics
5-9	Santiago and Temuco, Chile	Symposium "Identities in Production: Production and Identified Movements Between Indigenous Peoples and Ethnic Minorities and Race in Latin America" Further Information: Dr. Luis Fernando Angosto Fernández (luis.angosto-ferrandez@sydney.edu.au), and Dr. Sabine Kradolfer (kradolfer.sabine@gmail.com).
7 *NEW*	São Paulo SP, Brazil	Webinar on Georeferencing and Rural Properties Certification
7-9	Cuenca, Ecuador	IEEE Latincom 2012
8-9	Atlanta GA, USA	MAPublisher Training
8-9 *NEW*	Huntsville AL, USA	GEO Huntsville
11-13	Bogotá, Colombia	III National Scientific Congress on Disaster Management and Administration (in Spanish CONGESAD 2012) . Operational response models.
12-14	San Miguel de Tucumán, Argentina	II International Seminar on Micro-territoriality in the Cities
12-16 *NEW*	Santiago, Chile	United Nations/Chile Workshop on Space Technology Applications for Socio-Economic Benefits
12-16	Montego Bay, Jamaica	URISA's Caribbean GIS Conference
14-15	Bogotá, Colombia	4G Conference and Latin American Exhibition
14	Buenos Aires, Argentina	5th Meeting of the CAF-PAIGH GeoSUR Program -the Geospatial Network for Latin America and the Caribbean
14-16	Buenos Aires, Argentina	44th Meeting of the Directing Council PAIGH
14-16	Buenos Aires, Argentina	Second National Working Days on Research and Teaching in Geography Argentina (2nd JONIDGA) and 8th Working Days on Research and Extension from Geographical Research Center (8th JIECIG)
16	Santiago, Chile	Third Colloquium "Geography, Social Movements and Territory" of the 4th Seminar on Critical Geography " Gladys Armijo Zuniga," - "Social Geography and Transformative Critical Pedagogy in Action"
17-19	Berkeley, USA	Fourth International Conference on Science and Society
19-23	Cayenne, French Guiana	Symposium SELPER 2012: Earth Observation for a Green Co-developed World Contact: contact@selper2012.com
26-29	Montevideo, Uruguay	8th FIG Regional Conference
27-29	Las Vegas NV, USA	Autodesk University
Nov. 4 - Dec. 4	Buenos Aires, Argentina	FIG Commission 7th Annual Meeting



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DECEMBER 2012

4-5 <i>*NEW*</i>	Washington DC, USA	Geographic Information Systems (GIS) in Transportation Safety
5	Buenos Aires, Argentina	FIG Commission 7 International Symposium
27-29	Las Vegas NV, USA	IMTA (Americas) 2012 Strategic Planning Session

YEAR 2013

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JANUARY 2013

13-14	Vancouver, Canada	Ninth International Conference on Technology, Knowledge and Society
24-25	Redlands CA, USA	Geodesign Summit

FEBRUARY 2013

11-13	Denver CO, USA	International LIDAR Mapping Forum
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APRIL 2013

1-5	Havana, Cuba	V Cuban Convention on Earth Sciences - Geosciences 2013
4-5 <i>*NEW*</i>	Banff, Alberta, Canada	The 12th International Symposium on Web and Wireless Geographical Information Systems (W2GIS 2013)
9-13	Los Angeles CA, USA	2013 AAG Annual Meeting

JUNE 2013

18-20	Sao Paulo, Brazil	MundoGEO#Connect LatinAmerica 2013
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JULY 2013

To be determined	Lima, Perú	14th Latin American Geographers Meeting (EGAL), Lima 2013, " Latin American Regional Knowledge Gathering "
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