

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 GSDI 13 World Conference. The **Global and Regional SDI** section comprises notes on the UN Map; the Pan-American Technical Cooperation Projects 2013; Call for Papers for the Latin America Geospatial Forum 2012; the recent FGDC Metadata Summit; OGC Best Practice for Sharing Geographic Names; A Workshop on Socioeconomic Benefits of Geospatial Information; and relevant conferences taking place worldwide. The **National SDI** segment covers activities of Brazil, Chile, Colombia, Costa Rica, Jamaica, and Mexico including Work Plans, new Web Portals, a National Government Web Map, and new Technical Standards. **Articles and Publications** of the month comprise a paper on Environmental SDI technology; the ISPRS e-Bulletin Issue No. 1–2012; the Official Geodetic Reference System of Costa Rica; FORCLIM - Forests and Global Change. Volume 1; and 140 Taylor & Francis articles on climate change for free access. **Geospatial Research and Applications** underline the New SIRGAS Experimental Processing Centre in Chile; Early Maps of the Caribbean; the new Aerial Survey of Dominican Republic; the strategy of environmental Policies and Standards for the Capital District of Colombia; and Release of the Open Source GeoNode 1.1. The **Training and Funding Opportunities** section encompasses calls for international and national initiatives, among them Scholarships for Caribbean Nationals in Climate Change; OAS Course on Cadastral Management; CLIRSEN Courses

2012; the MundoGEO#Connect Award 2012; and the Travel Grant to for the ISPRS 2012 Congress in Australia. Finally, several **Events taking place in the Americas** are highlighted in the last section.

Translation of SDI-LAC Portuguese is possible thanks to undergrad students from UNESP **Matthew de Barros Manhani** and **Esrom A. Rissate Júnior** and the cartographers engineers: **Eduardo Freitas Oliveira**, MSc in GIS, editor of the portal MundoGEO and magazine InfoGNSS and InfoGEO Geomatics; **Silvane Paixão**, MSc in Geodetic Sciences and Geoinformation Technologies, PhD in Land Administration and Land Information Management; **Camila Bassetto Guedes**, advisor of the Operations Department of the Air Space Control (in Spanish DECEA), **Juan Carlos Girona Mamani**, a consultant in Geotechnology and IT solutions for Geoinformation, **Annette Pic**, MSc in Remote Sensing; **Edilce Figueiredo Burity**, MSc in Computer Systems and Technologist of IBGE/PE Geographic Information and Statistics. Under the general coordination of Silvane Paixão.

Back issues of the newsletter are at the GSDI website:

<http://www.gsd.org/newsletters.asp>

Editor, Nancy Aguirre, Pan-American Institute of Geography

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Input to this Issue

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Heather Stager	Project Manager, Partnership for Canada Caribbean Community Climate Change Adaptation (ParCA)

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Global and Regional SDI, News, Presentations



GGC 2012 (GSDI 13)

The GSDI World Conference (GSDI 13), 14th GEOIDE Annual Scientific Conference, Canadian Geomatics Conference (CGC 2012) and the 7th 3D GeoInfo Conference will be jointly held as the Global Geospatial Conference 2012 to take place at the Québec City Convention Center from May 14-17, 2012.

The conference now has a full slate of corporate sponsors, the exhibit space is completely sold out, a full program of technical and plenary sessions with additional poster and lightning round sessions is on course (presenter names will be posted in the first week of March) and keynote speakers from across the globe will be announced soon.

We look forward to seeing you in Quebec in May 2012.

Best regards, The Joint Conference Organizing Committee

Registration: <http://www.gsdi.org/gsdiconf/gsdi13/register.html>

Other useful links

Conference Website: <http://www.gsdi.org/gsdi13>

Program Overview: http://www.gsdi.org/gsdiconf/gsdi13/prog_overview.html

Past GSDI World Conference Proceedings: <http://www.gsdi.org/gsdiConferences>

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Past open access Books affiliated with the conference: <http://www.gsdi.org/openaccessbooks> (two books, a proceedings and a journal edition are being produced from this conference)

Other Important Dates: <http://www.gsdi.org/gsdiconf/gsdi13/dates.html>

Welcome to Sponsors for Global Geospatial Conference 2012

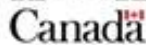
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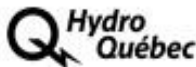
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The joint organizing committee of the Global Geospatial Conference 2012 is delighted to announce that the Gouvernement du Québec, Natural Resources Canada (GeoConnections), North West Geomatics Ltd., Boréal, Hydro-Québec, Intergraph, VIASAT GeoTechnologies and OpenGeo have joined TECTERRA and Esri / Esri Canada as sponsors for the Global Geospatial Conference 2012. It will be held at the Québec City Convention Centre from May 14-17, 2012.

The GOLD SPONSORS of this event are the Gouvernement du Québec and Natural Resources Canada (GeoConnections). The Gouvernement du Québec considers essential the contribution of the geographic knowledge in the State's projects. It is a key player in the acquisition, the production, the use and the broadcasting of geographic information, and it developed expertise and know-how internationally recognized. GeoConnections, a national partnership initiative led by Natural Resources Canada supports the integration and use of the Canadian Geospatial Data Infrastructure (CGDI), an online resource that improves the sharing, access and use of open geospatial information.

North West Geomatics Ltd., Boréal, Hydro-Québec, Intergraph and VIASAT GeoTechnologies are SILVER Sponsors for the 2012 conference. North West Geomatics Ltd. is dedicated to providing high-quality digital aerial imagery, LiDAR and related spatial data services to government agencies, the oil and gas industry, engineering firms, environmental consulting firms and other organizations. Boréal is internationally known for its exemplary solutions in management of social and environmental impacts of large international infrastructure projects such as those found in the mining and oil & gas industries. Hydro-Québec generates, transmits and distributes electricity, mainly using renewable energy sources, in particular hydroelectricity. Intergraph provides geospatially powered solutions to a wide range of industries. Now part of Intergraph, ERDAS provides integrated products for remote sensing, photogrammetry, and geospatial data management and delivery. Finally, VIASAT GeoTechnologies has been providing innovative geospatial solutions since 1991 such as Earth Observation services, remote sensing applied to geological surveys, infrastructure inventory, telecommunications network monitoring, and GNSS software.

Last but not least, let us highlight the collaboration of OpenGeo as a BRONZE Sponsor of the event. OpenGeo, a leading open source web-based geospatial software company that brings together expert developers, trainers, and implementation specialists from around the world to produce the OpenGeo Suite, a fully supported open source geospatial stack consisting of PostGIS, GeoServer, OpenLayers, GeoExt and GeoWebCache.

We welcome our sponsors and thank them for their contribution in the success of the 2012 Conference! We note that the exhibit space is now fully committed as well.

About Global Geospatial Conference 2012

Organized by the GSDI Association and GEOIDE Network, this conference will be covering the full range of practice, development and research experiences that advance the practice and theory of spatially enabling government, industry



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and citizens. The conference features prominent plenary speakers, workshops, technical tracks, a major industry exhibit, an industry showcase, and social events. Several publications will arise from the joint conference.

See <http://www.gsdi.org/gsdi13> and/or <http://www.geoide.ulaval.ca> for all the details.

Contact: Atiyeh Ghanbari, Communications Officer, GEOIDE Network atiyeh.ghanbari@geoide.ulaval.ca

UN Map

Source: <http://ggim.un.org/>

UN Cartographic Section (UNCS) is developing global multi-scale geospatial datasets (or UNmap) for rapid map production and web mapping in support to the Security Council and the Secretariat including UN field missions. Currently an interim version of UNmap in scales of 1:1, 1:5 and 1:10 million are in a final stage of completion and being used as primary geo-databases for UNCS and UN field missions. The purpose of UNmap is to develop and maintain a spatial data infrastructure (integrated with the datasets of UN international boundaries and SALB (Second Administrative level Boundaries) as well as UN Gazetteer) for UN needs that will provide a single homogeneous dataset of global geospatial features of the world for any mapping purpose. UNmap is a series of geo-databases for core mapping layers (international and administrative boundaries, coastlines, drainage, water bodies, roads, railways, airports, populated places and urban areas) in various scales (1:1-10 million for global coverage and 1:250K, 50K, 25K, 12.5K and 5K for UN field missions).

GEOSS AIP-5 - Call for Participation

Source: José Achache by way of Santiago Borrero



A Call for Participation (CFP) in the 5th Phase of the GEOSS Architecture Implementation Pilot (AIP) is now issued by the Group on Earth Observations GEO IN-05 Task Team. The CFP documents are available at: http://earthobservations.org/geoss_call_aip.shtml

This CFP invites GEO Members and Participating Organizations to participate in AIP-5 through activities such as:

- Societal Benefit Area Alignment and Support;
- Component and Service Contributions;
- Architecture and Interoperability Arrangement Development.

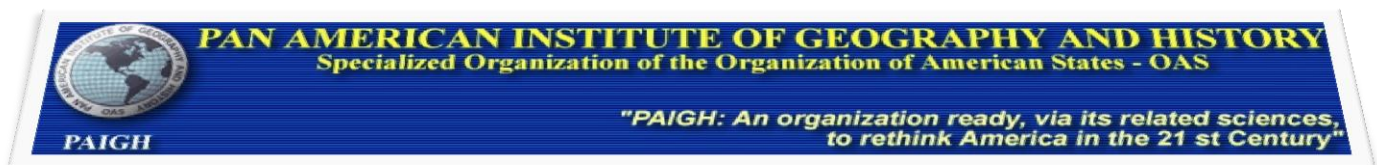
Responses to this CFP are requested by **6 April** 2012. Directions for preparing a response and a Master Schedule are described in the AIP-5 CFP Summary document. A Kickoff Workshop will be held at GEO Secretariat in Geneva on 3-4 May 2012.

Discussion and clarification of the CFP and planning for the AIP-5 Kickoff Workshop will be topics of weekly teleconferences. Agenda and logistics for these telecons are posted at <http://www.ogcnetwork.net/AIPtelecons>

To ask questions about the CFP, contact the IN-05 Task Coordinator, George Percivall, percivall@opengeospatial.org.

Pan American Technical Cooperation Projects 2013

Source: Santiago Borrero



The General Secretariat and the Commissions of PAIGH, call for submission of applications for the Technical Cooperation Projects 2013. These projects must be directly related to the implementation of "PAIGH's Pan-American Agenda 2010-2020" (<http://www.ipgh.org>) in which at least two of the Institute's Member States need to participate.

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This time, priority will be given to climate change related studies; mainly directed to increasing resilience of communities, improving risk perception and visualization, increasing local knowledge for spatial information production; and new land use related research and evaluation proposals.

Project Applications that support Member States of PAIGH on the following topics will also be considered:

- Planned development of their fundamental spatial databases and their interoperability
- Geographical analyses that encourage interdisciplinary approaches and regional integration in priority development areas
- Initiatives to promote innovative alternatives for Pan-American studies, and to inspire broader American history perspectives
- Projects aimed at the study and monitoring of geophysical processes

The whole application preparation, evaluation and approval process is by electronic means; therefore applications must be submitted to the relevant National Section (<http://www.ipgh.org/Directorio/Default.htm>) using only the Request for Pan-American Technical Cooperation Projects 2013 Form: http://www.ipgh.org/Cooperacion-Tecnica/Files_CT/Form_Solicitud-Proy_2013.doc. If a given project relates to a training course it must be submitted using the Form found at: http://www.ipgh.org/Cooperacion-Tecnica/Files_CT/Form_Cursos-IPGH_2013.doc. Project Application Deadline exclusively received at the General Secretariat is **April 30, 2012**.

For more information please visit: http://www.ipgh.org/Cooperacion-Tecnica/Files_CT/Conv_Proj_2013.doc

For clarification and/or concerns please contact: CooperacionTecnica@ipgh.org

CAF and PAIGH Convene the First Edition of GeoSUR Award

Source: <http://www.ipgh.org/>



The prize is awarded annually to two activities arising from the relationship of institutions involved with the [GeoSUR](#) Program regarding the best application of available data and use of services offered by this program. In the foreground, a data application or service development within the GeoSUR Program that bring innovation to the region will be recognized. A second award will be given to the application or service that stands out for its relevance to the achievement of GeoSUR Program objectives. Institutions or individuals in any country of Latin America and the Caribbean may participate. Application deadline is **June 29, 2012**. GeoSUR will announce the winners in the categories of "Innovation and Relevance" during the installation ceremony of the 5th GeoSUR Program Meeting, as part of the 45 Meeting of the Directing Council of the Pan-American Institute of Geography and History (PAIGH) that will take place on November 2012, in Buenos Aires, Argentina, thus highlighting the initiatives of institutions and active members of GeoSUR. Detailed Information may be found in the [GeoSUR Award Terms](#). For questions or clarification please contact: PremioGeoSUR@ipgh.org and/or SecretariaGeneral@ipgh.org

Latin America Geospatial Forum 2012: Call for Papers

Source: Latin America Geospatial Forum 2012 by way of Santiago Borrero



The 2nd Annual Latin American Conference and Exhibition on Geospatial Information, Technology and Applications (LAGF 2012 <http://lagf.org/2012/index.htm>) will take place on August 14-17, 2012 in Rio de Janeiro, Brazil, together with the Conference on Geospatial for Defense and Homeland Security "Geointelligence Latin America" (<http://lagf.org/geointelligence/index.htm>). With the theme Actionable Knowledge for Sustainable Development the conference will focus on an integrated approach to sustainability that can create tangible benefits economically, socially and environmentally. The 2nd Latin America Geospatial Forum shows the importance of Geotechnology in this context and brings the opportunity to present a large gamut of tools to make this possible. The call for papers is now open at: <http://lagf.org/2012/submitabstract.htm>

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[UNASUR Wants a Space Agency](#)

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

The defense ministers of the Union of South American Nations (in Spanish and Portuguese UNASUR) agreed to create a Space Agency and have commissioned a working group to design a training aircraft and an unmanned aircraft. The agreements are part of the Lima Declaration signed at the closing of a two-day meeting of the Defense Council of UNASUR attended by 12 ministers of the region. The defense ministers agreed to establish a South American Space Agency, but did not enter into details of the project at the closing of the meeting. The Argentine Minister of Defense, Arturo Puricelli, said that the region "needs access to outer space, for which costs must be diluted thus fostering the region's access prospects." All actions aim at strengthening mutual trust among UNASUR countries, according to the Peruvian Minister, Daniel Mora. The South American Defense Council of UNASUR is comprised by Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Guyana, Paraguay, Peru, Suriname, Uruguay and Venezuela.



[Summary of FGDC Metadata Summit is Available](#)

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



To see the summary of the October 27, 2011 Federal Geographic Data Committee (FGDC) Metadata Summit please go [here](#). All the materials related to the summit plus a link to the audio recording of the follow-up webinar hosted on December 7, 2011 are available through the FGDC website at <http://www.fgdc.gov/metadata/events/metadata-summit>.

For more information, contact: Viv Hutchison, USGS,

VHutchison@usgs.gov or Jennifer Carlino, USGS, jcarlino@usgs.gov.

OGC Advances Best Practice for Sharing Geographic Names

Source: OGC Updates by way of Santiago Borrero

Gazetteers provide valuable information about geospatial features, including their names, locations, and feature types. In fact, geographic names are the most common form of locational reference and are key to accessing, linking, and mapping other online information. Since this resource is so important, there's growing interest in sharing and updating geographic names across standard Web services interfaces. To meet this challenge OGC members have developed an updated approach for sharing geographic names - the OGC Gazetteer Service Best Practice. The OGC Gazetteer Service Best Practice specifies a type of Web Feature Service (WFS) that serves a Geography Markup Language (GML) Application Schema based on the information model in ISO's 19112 standard, hence a 'Web Feature Service – Gazetteer' (WFS-G). ISO 19112 defines the essential components of a gazetteer, and WFS-G combines this model with WFS's open capability for accessing and updating geographic features across the Web. The result is a WFS profile that can help advance seamless access to geographic names across many different organizations. The OGC Gazetteer Service Best Practices is available for public review at <http://www.opengeospatial.org/standards/requests/83>.

[Call for Participation - Socioeconomic Benefits of Geospatial Information](#)

Source: Marie-France Roussel



GeoConnections, together with the National Aeronautics and Space Administration (NASA), the Institute of Electrical and Electronics Engineers (IEEE), and the National Center for Atmospheric Research (NCAR) is organizing a Workshop on Defining, Measuring, and Communicating the Socioeconomic Benefits of Geospatial Information. The workshop will take place at NCAR, Foothills Campus, Boulder Colorado, June 12-14, 2012. Presentations covering the practice, development and research experiences on quantitative socioeconomic assessments including methodologies

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and metrics for assessing and communicating the value of geospatial information are welcome. The deadline for submission is **March 9, 2012**. Geospatial information contributes to decisions by government, the private sector, civil society and individuals. More effective use of this information is essential as issues are complex, and consequences can be critical for future economic and social development. Participants will represent a broad range of natural, social and economic sciences from government, academia, NGOs, and the private sector. For further information, call for participation and registration, see <http://www.Benefits2012.org> or contact Francoise Pearlman at francoise.pearlman@ieee.org.

[X TopCart 2012 and I Latin American Congress of Geomatics and Earth Sciences](#)

Source: Joaquin Segura-Martin by way of Santiago Borrero

The X Topcart 2012 and I Latin American Congress of Geomatics and Earth Sciences, aims to present key scientific and technical advances in the field of Surveying, Mapping and other related sciences. The event will be held in Madrid, Spain from 16 to 19 October 2012. Geographic Information Systems and Spatial Data Infrastructures are included within its ten subject areas. The event will bring together many people from Latin America and Spain in all areas related to Earth Sciences. This opens a wide space for technology exhibition and trade, and to discuss the advantages and disadvantages of implementing new procedures, through contrasting techniques and active coexistence between the various business and professional sectors. The event is co-sponsored by the Pan-American Institute of Geography and History (PAIGH). More information at: <http://www.top-cart.com/>.



2nd Call for Abstracts: ForestSAT 2012

Source: ForestSAT 2012 Steering, Science, & Organizing Committees by way of Santiago Borrero

A conference promoting science-based applications of remote sensing and other spatial data in forested systems will take place on September 11-14, 2012 in Corvallis, Oregon, USA. The purpose of ForestSAT 2012 is to promote scientifically-based understanding of how spatial analysis technologies can help describe and monitor forested systems. Recognized is an inherent need to integrate data from an array of remote sensing systems, and other spatial information, using a variety of approaches. Numerous uses of spatial data are relevant, from addressing the needs of local forest managers, to informing forest ecosystem models, to establishing monitoring systems in support of international agreements. Delegates to ForestSAT typically represent research organizations, universities, agencies, and the private sector. The second call for abstracts can be found in: <http://www.forestsat2012.com>. The deadline for abstract submission is **15 April 2012**.

SAGEO 2012: Spatial Analysis and Geomatics

Source: Ludo Engelen by way of Santiago Borrero



For the first time, the conference SAGEO 2012 will be held outside France, at the University of Liege (Belgium), on November 7-9, 2012. Reduced registration rates are available until March 31, 2012. All information (French and English versions) are available on the site: <http://www.sageo12.be/cms/>. Contacts: jp.donnay@ulg.ac.be - rbillen@ulg.ac.be

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IGS News, Links, Publications



International
Geospatial Society



The International Geospatial Society (IGS) is the individual membership arm of the GSDI Association and seeks individuals for membership that have geospatial, SDI, GIS or related professional or specialist interests. The Society enhances communications globally among individuals that are actively involved in promoting, developing, or advancing spatial data infrastructure and related concepts. Check out the Benefits of Joining ([English](#)) ([Spanish](#))

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National SDI, News, Links, Presentations

BRAZIL

Action Plan of the Spatial Data Infrastructure of Brazil is Available Online in Spanish, English and Portuguese

Source: Eduardo Freitas

The National Commission of Cartography (CONCAR) informs that the Action Plan for the Implementation of the National Spatial Data Infrastructure (the NSDI of Brazil) is now also available in digital form in Spanish and English. The National Spatial Data Infrastructure (NSDI) was legally established by the Presidential Decree No. 6666 of November 27th, 2008. This document was prepared by the Planning Committee of the National Spatial Data Infrastructure (CINDE) in 2010, and addresses the dimensions of the implementation of a Spatial Data Infrastructure (SDI), namely the organizational dimension, the technical dimension, and the human dimension. The corresponding files can be downloaded through the websites of CONCAR <http://www.concar.ibge.gov.br/> and/or INDE: <http://www.inde.gov.br/>



CHILE

[SNIT Executive Secretariat began Coordination in Regions](#)

Source: <http://www.snit.cl/>

This year as part of the goals set by the Executive Secretariat to the Regional Coordination Offices are the establishment of regional Land Information Management Units, and strengthening of the regions' capacity for geospatial information production, documentation and publishing. To this end, the SNIT (National Territorial Information Coordination System) has planned a full agenda of visits to regions for presenting the respective work plan. The agenda includes visiting regions such as O'Higgins, Magellan, Valparaiso, Coquimbo and Bio Bio, and conducting a coordination meeting in the Metropolitan Region.



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COLOMBIA

The Capital District of Bogota Spatial Data Infrastructure Launches New Web Portal

Source: Elieth Alina Hoyos

Last December 28 was issued the District Decree 653, 2011 "On Regulating IDECA". By this rule, the Mayor of Bogota regulated the operation of the Spatial Data Infrastructure for the Capital District (in Spanish IDECA), with respect to its coordination, and to



responsibilities of those who are part of it. The new Portal is expected to become the single point of access to geospatial information produced in the Capital District, promoting its online broadcasting, and fostering the use of metadata, web services, object catalogs and user manuals, among other strategies. Thus, it seeks to strengthen an information management "good practice culture". The portal includes the following:

- Access to standard-based, current, and anytime-anywhere available district geospatial information.
- Public access on-line services that allow simplifying transactions between organizations in order to share Bogotá's Capital District geospatial information
- District geospatial information discovery and access applications
- Specialized documentation to support Geographic Information Management Best Practices implementation.

Please log on to the new portal at: <http://www.ideca.gov.co>

COSTA RICA

[Design and Implementation of the National Territorial Information System](http://www.uecatastro.org/)

Source: <http://www.uecatastro.org/>

With the integration of the National Cadaster and Real Property Registry in Costa Rica under the legal reform of March 2009, which created the Land Registry, it became necessary to evolve into an integrated system of both spatial and alphanumeric databases, which is called SIRI (Land Registry Information System). Another information system, the National Territorial Information System (in Spanish SNIT) will complement SIRI. The SNIT will enable territorial information exchange between all institutions requiring it. SNIT is intended to be the territorial administration platform, so as to allow proper territorial planning, use and control. SNIT is required to be an open system for an easy and transparent data access contained therein, and will be web-based to ensure universal entrance to spatial data. Furthermore, the SNIT will enable a high degree of interoperability with other information systems, for it is intended to be standard-based for fostering such a condition. The SNIT is viewed primarily as a Spatial Data Infrastructure or SDI; therefore, it must be understood as the sum of policies, standards, organizations and technology resources that facilitate the collection, use and access of the country's georeferenced information. SNIT will have a national character and hence, will be significant in supporting both economic and social development decision making.

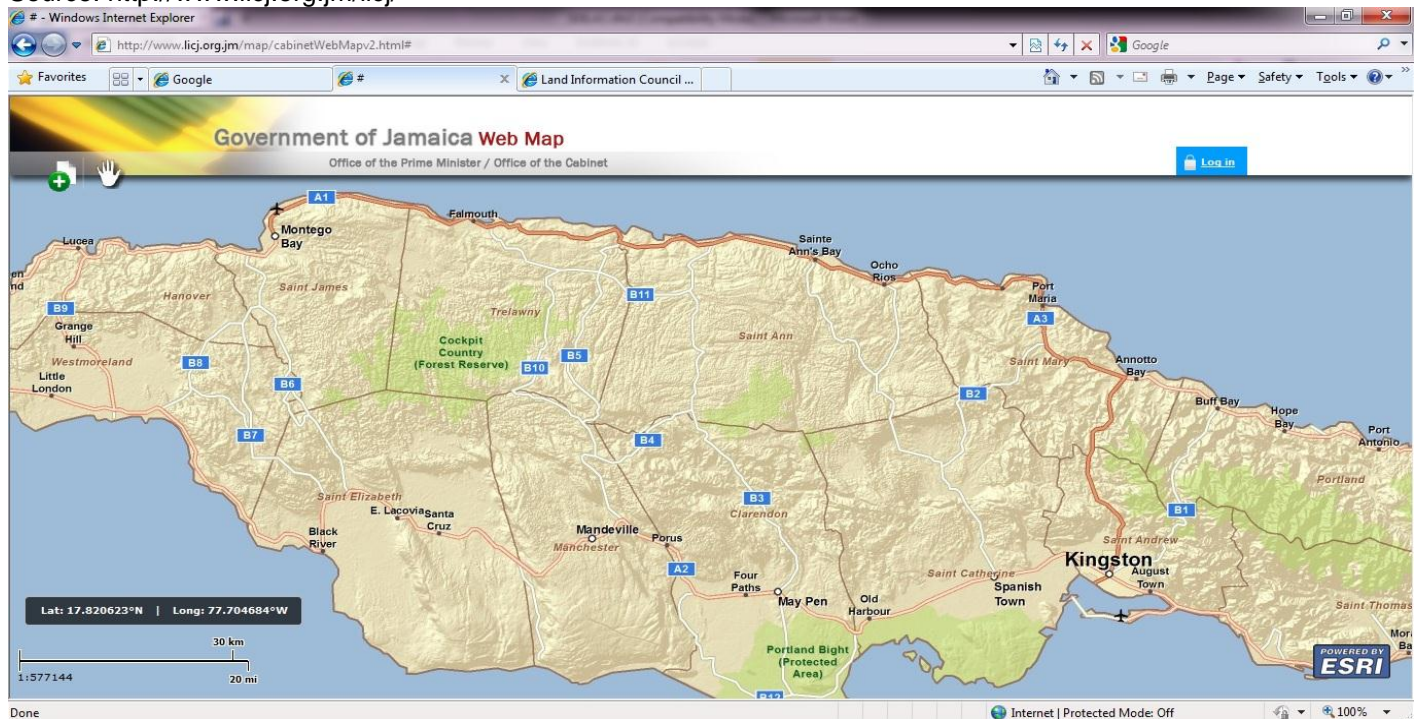
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JAMAICA

The Government of Jamaica Web Map

Source: <http://www.licj.org.jm/licj/>



The Government of Jamaica Web Map is now available through the home page of the Land Information Council of Jamaica (LICJ) (<http://www.licj.org.jm/licj/index.aspx>). The LICJ was established by Government in 1991 and is comprised of nine sub-committees. The Council is charged with the responsibility for coordinating and ensuring the implementation of the national land information policy and strategy and the national GIS network. The Council has begun to establish a framework to promote data sharing and to ensure compatibility among existing and proposed land information systems, in order to deliver better and more timely information to decision makers and users, through the collaborative efforts of land and land related agencies. The Jamaica National Spatial Data Infrastructure's vision is that "Geospatial data, products and services will be made available and accessible to all users to facilitate planning, sustainable use management and development of the islands resources thereby contributing to sustainable development and economic growth."

MEXICO

[New SNIEG Technical Standard Published](#)

Source: <http://www.snieg.mx/>

As for strengthening the National Statistical and Geographic Information System of Mexico (in Spanish SNIEG) the "Technical Standard for the Production, Acquisition and Integration of Cadastral and Registry data for Statistical and Geographical Purposes" was published in the Official Journal of the Federation, on January 16, 2012, and enforced the following day. The Technical Standard, that was approved by the Board of Governors on the 7th Session of December 6, 2011, is compulsory for State Units, and shall adopt provisions to contain it within three years from its enforcement. For its implementation State Units must conclude cooperation agreements with the INEGI (National Institute of Statistics and Geography) This standard promotes harmonization and uniformity in the production, acquisition and integration of cadastral and registry data for statistical and geographical purposes. This information will be part of the national cartographic database. [See the Technical Standards for Production, Acquisition and Integration of Cadastral and Registry data for Statistical and Geographical Purposes.](#)

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Articles and Publications of the Month

Environmental Spatial Data Infrastructure – Technology

Source: Ragnvald Larsen by way of Bruce Potter

Establishing the basics for handling environmental spatial data relies on someone organizing the data into repositories where it is stored and prepared for dissemination. This article points to how such a structure could be made using geoserver, geonetwork, WordPress, Geonode, Postgis and Linux. All modules have been chosen because of being open source. As a consequence this constellation is an excellent starting point for establishing thematic data infrastructures in developing countries. [The complete article may be found at: <http://www.mindland.com/wp/?p=27>]

ISPRS e-Bulletin Issue No. 1 - 2012

Source: <http://www.isprs.org/> by way of Santiago Borrero



Among other interesting subjects, this [Bulletin](#) contains Annual Reports of ISPRS Technical Commissions:

[Annual Report of ISPRS Technical Commissions I: Image Data Acquisition - Sensors and Platforms](#)

[Annual Report of ISPRS Technical Commissions II: Theory and Concepts of Spatial Information Science](#)

[Annual Report of ISPRS Technical Commissions III: Photogrammetric Computer Vision and Image Analysis](#)

[Annual Report of ISPRS Technical Commissions V: Close-Range Sensing- Analysis and Applications](#)

[Annual Report of ISPRS Technical Commissions VI: Education and Outreach](#)

[Annual Report of ISPRS Technical Commissions VII: Thematic Processing, Modeling and Analysis of Remotely Sensed Data](#)

[Annual Report of ISPRS Technical Commissions VIII: Remote Sensing Applications and Policies](#)

New MundoGEO magazine to browse and download: SDI in Latin America and the Caribbean

Source: MundoGEO

The new MundoGEO magazine, now bimonthly, is the result of the merger of InfoGNSS and InfoGEO magazines. See inside an interview with Santiago Borrero, Secretary General of the Pan-American Institute of Geography and History (PAIGH) on geospatial production organizations in Latin America and the Caribbean, SDI development, and the role of PAIGH in their promotion; and an article on the overview of *Spatial Data Infrastructure (SDI) in Latin America and the Caribbean* by Alexandre Scussel and Eduardo Freitas. This edition also includes a tutorial on Google Map Maker, articles on GIS in the 2014 World Cup, mapping update, spatial analysis, interoperability, geocoding of rural real estate, job market, etc. The editorial content of the new MundoGEO magazine is exactly the same as the MundoGEO print edition. The new journal is available [here](#) to both online "browse" and for download in pdf format (if the link does not work, please go to the URL <http://mundogeo.com/mundogeo66.php>).



Summary of Official Geodetic Reference System of Costa Rica Now on Internet

Source: <http://www.uecatastro.org/>

Based on Executive Order No. 33797-MJ-MOPT of 30 March 2007 it was established the horizontal coordinate system for Costa Rica, called CR05, which is formalized and replaces the Lambert coordinate system, Ocotepeque datum. It will be the framework for all surveying, mapping, geodetic and cadastral works that have official status. The coordinate system CR05 is tied to the International Terrestrial Reference Frame, 2000 completion (in English ITRF00), reduced to the epoch 2005.83, which is the system definition time. The CR05 system is comprised by a network of 33 first order GPS stations (34 if we consider the ETCG point), distributed throughout the country; a network of a second that results of the first order network densification; third order densifications with geodetic coordinates referred to the WGS84

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ellipsoid; and grid coordinates defined by a Gauss-Krüger projection. The publication and additional information in PDF format may be downloaded at: <http://www.uecatastro.org/documentos/sgro/Sistema-de-referencia-CR05.pdf>

FORCLIM - Forests and Global Change. Volume 1: Species Distribution

Models. SDI Fundamentals. Argentina

Source: <http://www.idesf.santafe.gov.ar/>

First volume of the series that presents results of the project "Ibero-American Network for the study of forest ecosystems facing global climate change" (2008-2011); on forest ecosystems in Argentina, Bolivia, Colombia, Ecuador, Spain and Mexico. This volume deals with methods used in the project and results obtained on the Andean Patagonian forest in Argentina. The book may be downloaded for free: <http://www.bubok.es/libros/208369/FORCLIM--Bosques-y-cambio-global-Vol-1-Modelos-de-distribucion-de-especies-Fundamentos-de-las-IDE-Argentina>



Access over 140 curated articles on climate change for free (Taylor & Francis)

Source: Kayleigh Hellin by way of EU Overseas Forum

Taylor & Francis are offering free online access to over 140 climate change articles. Inspired by the recent United Nations Climate Change Conference which took place in Durban at the end of 2011; the journal Editors have handpicked a selection of related articles for you to enjoy for free. Follow this step-by-step guide to activate your access: 1. Sign in or register at www.tandfonline.com (new users will need to complete a short registration process and validate their account) 2. Go to <http://bit.ly/xg3ZIT> 3. Enjoy your free access



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Geospatial Research, Applications, Software, Data

[New SIRGAS Experimental Processing Centre](#)

Source: <http://www.sirgas.org/>



The Military Geographic Institute of Chile acts as a SIRGAS Experimental Processing Centre since GPS week 1670 (January 8, 2012). The main characteristics of this new Experimental Centre are:

Name: Instituto Geográfico Militar de Chile

Abbreviation: CHL

Processed stations: ALUM, ANTC, AREQ, AUTF, AZUL, BOGT, BRAZ, BRFT, CALL, CATA, CHPI, CONZ, COPO,

COYQ, CSLO, ESQU, GLPS, IQQE, ISPA, KOUR, LHCL, LPGS, MA01, MECO, MZAC, MZAE, OH12, PALM, PARC, POAL, POVE, PPT, RECF, RIO2, RIOP, RWSN, SALU, SANT, SAVO, SCRZ, SRLP, SVIC, TUCU, UCOR, UFPR, UNRO, UNSA, UNSJ, URUS, UYSO, VALP, VBCA, YCBA.

Software: Bernese 5.0, Windows

Team: Álvaro de Faria, Cristian Iturriaga, Cristian Mardones, Héctor Parra, and Víctor Piña

Early Maps of the Caribbean

Source: William C. Found by way of Bruce Potter

A collection of copies of selected early Caribbean maps (most of individual islands) from many world libraries visited by William C. Found over the past 30 years are now placed in the York University Archives for others to consult. The York Library has just posted a 90-page description of the 141 maps in the collection (with thumbnails), a text that explains how others can obtain their own copies directly from relevant sources (usually libraries). The collection would certainly be of interest to many researchers, since the maps include so much information regarding both the natural and cultural worlds between the late 16th and the early 19th centuries. Here is the link: <http://hdl.handle.net/10315/13674>

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[Cadastre will Conduct new Aerial Survey, Dominican Republic](#)

Source: <http://www.catastrolatino.org/>

The Dominican Republic is occupied in a long term development process. Through the 2010-2030 National Development Strategy the Government seeks to have an efficient, transparent and result-oriented public administration. Under this premise, the National Cadastre Directorate is promoting an institutional modernization that has exhausted its process during the years 2009-2010, in which it was proposed: a new law on land registration, the adoption of new technologies, team training, and updating processes / methodologies for cadastral activities. An international public tender was awarded the development of what will be the National Cadastre Project in the Dominican Republic - Phase I, comprising 395,000 cadastral units of the National District, Santo Domingo, Boca Chica, Juan Dolio and La Romana. This initiative will create a source of urban real estate cadastral information and will run for three years thus benefiting 1,956,233 inhabitants of the towns mentioned above.

[UTPL Delivers Geoinformation to CLIRSEN, Ecuador](#)

Source: <http://www.clirsen.gob.ec/>



Pursuant to the contract between the Technical University of Loja (in Spanish UTPL) and CLIRSEN (Center for Integrated Surveys on Natural Resources through Remote Sensing) in February 2012 UTPL delivered thematic maps and technical reports of studies conducted in the southern region, which covers seven counties in the province of Loja: Catamayo, Gonzanamá, Calvas, Sozoranga, Macara, Celica and Zapotillo, and three of the province of El Oro: Huaquillas, Santa Rosa, and Arenillas. These geoinformation includes the following topics: Geo-pedology and Geologic Hazards, Topographic Maps, Production Systems, Land Cover and Use, Infrastructure and Services, and Sociocultural and Economic Information. These information is part of the Project "Generation of geo-information for national territorial management at scale of 1:25,000." These studies are part of CLIRSEN's geoinformation collection, and will be delivered through SENPLADES (National Secretariat for Development Planning) to local governments.

[IPE Strategy in the District Department of Environment, Colombia](#)

Source: <http://www.ideca.gov.co/>

The strategy of Policies and Standards Implementation (in Spanish IPE), proposed by the infrastructure in the last quarter of 2011, and that was welcome by the District Secretariat of Environment, has facilitated geographic information management within this organization. In this case, the strategy has focused on production and metadata policies to facilitate the construction of technical specifications, and validation of existing metadata for the geographic levels of Water Quality, Air Quality, and Visual Quality. The objectives were met as they match with the organization priorities in terms of geographic information needs. The later was fostered by a joint agency task force that allowed establishing agreements for ensuring continuation of the process for this year. The Secretariat believes that this strategy has been effective since it allows transferring useful knowledge, encourages geographic information-management good practice, and promotes data access and sharing within the entire district community.



First Brazilian Satellite Completes 19 Years in Orbit

Source: INPE by way of Eduardo Freitas

After reaching 19 years in space, on February 9, SCD-1 satellite have completed 100,274 orbits around the Earth and traveled about 4,5 billion kilometers, which corresponds to 5,910 round trips to the moon. The SCD-1 is the first satellite developed by the National Institute for Space Research (in Portuguese INPE) and it is still operating and relaying information to the weather forecasting and watersheds monitoring, among other applications. The launch of SCD-1 by U.S. Pegasus Rocket in 1993 was the beginning of the operation of the Brazilian Data Collection System, now called National Environmental Data System (in Portuguese SINDA).

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Open Source GeoNode 1.1 Released

Source: Eduardo Freitas

Open source GeoNode 1.1 was released with many changes. GeoNode is an open source platform that facilitates the creation, sharing, and collaborative use of geospatial data. The project aims to surpass existing spatial data infrastructure solutions by integrating robust social and cartographic tools. At its core, the GeoNode has a stack based on GeoServer, Django, and GeoExt that provides a platform for sophisticated web browser spatial visualization and analysis. Atop this stack, the project has built a map composer and viewer, tools for analysis, and reporting tools.

[New UNOSAT collaborative mapping initiative wins support of George Soros' foundation](#)

Source: <http://www.unitar.org/>



Another innovative project involving collaborative mapping and cyberscience will see the light this year thanks to support from the Open Society Foundations. The Foundations, established by George Soros, have the mission “to increase public access to knowledge, facilitate civil society communication, and protect civil liberties and the freedom to communicate in the digital environment.” The new project, dubbed ForestWatchers, is one of the fostered applications of the Citizen Cyberscience Centre (CCC), created to serve as incubator of innovative ideas in cyberscience and collaborative distributed thinking. ForestWatchers was born from an idea floated by UNOSAT experts, that of mapping actual deforestation in Brazil. The project partners include the Brazilian National Institute for Space Research (INPE), the Federal University of São Paulo (UNIFESP), and the Federal University of Western Pará (UFOPA). The aim of the initiative is to use citizen-based collaborative computing to sustain a deforestation monitoring system based on satellite imagery analysis and crowd-sourcing. The project is designed to generate both research results and operational output: in the first year the plan is to evaluate the benefits and limitations of public participation via the Web in this sort of exercise; during the second year, the project will switch to production mode, providing volunteer-assisted deforestation assessments. The project will be launched publicly to coincide with the Rio+20 events planned in Brazil in 2012, to emphasize the importance of public participation in climate science.

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Training and Funding Opportunities, Awards

Scholarships and Bursaries Call For Caribbean Nationals in Graduate Studies in Climate Change

Source: Heather Stager



The CARIBSAVE Partnership is pleased to offer scholarships and bursaries in various areas related to Climate Change at the University of the West Indies and the University of Waterloo, Canada for Caribbean Nationals under the Partnership for Canada-Caribbean Community Climate Change Adaptation (ParCA) Project. This critical component of the project provides an opportunity to build capacity in the Caribbean region to increase resilience to climate change. Applications should be sent via email to: The Office of Research, The University of the West Indies: pvcresearch@cavehill.uwi.edu and must be copied to The CARIBSAVE Partnership: hr@caribsave.org When applying please include ‘ParCA’ as Subject in the email. Closing date for this round of applications is **19 March 2012**. More information [here](#).

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OAS Course on “Introduction to Cadastral Management”

Source: Mike Mora by way of Santiago Borrero

Registrations are open until **April 12**, 2012, for the fifth edition of the “Introduction to Cadastral Management” course, offered by the Organization of American States through its Department for Effective Public Management, Ministry of Political Affairs. The course is intended for public managers and people with positions in public administration; professionals, scholars and students in areas related to the matter of the course who are interested in using it as a tool to improve governance. The course will be taught entirely online for seven weeks from May 15. The OAS will benefit all participants with a partial scholarship.

This Call is found at: <http://portal.oas.org/LinkClick.aspx?fileticket=UJSyPpsdLG0%3d&tabid=1826>

Registration form is found directly at: <http://preinscripcion.aulacapacitacion.com.ar/content/view/65>

For more information, questions or concerns please contact formación@oas.org or visit: <http://www.cursos.oea.org>

“gvSIG User” Course in Cartagena, Colombia

Source: gvSIG News Office

The Naval Cadet School “Admiral Padilla”, gvSIG Association, and Innovatig, organize a certificate gvSIG User course in the city of Cartagena, Colombia. The course lasts 32 hours beginning on **March 19**, 2012 and will be held in the GIS Laboratory of the Naval Academy in Cartagena, Colombia. The course will be officially certified by gvSIG Association and the Naval Academy. Registration is required through the Naval School “Admiral Padilla”. For more information please contact: sig@enap.edu.co or jose.pallares@yahoo.com.

CLIRSEN Courses 2012

Source: <http://www.clirsen.gob.ec/>

The course program of the Center for Natural Resource Surveys by Remote Sensing (in Spanish CLIRSEN) on remote sensing, GIS and its applications, to be held in **March and April** 2012 in Guayaquil and Quito, Ecuador is at:

http://www.clirsen.gob.ec/clirsen/index.php?option=com_content&task=view&id=266&Itemid=91



The First Phase of MundoGEO#Connect Award 2012 begins

Source: Eduardo Freitas

MundoGEO#Connect LatinAmerica 2012, the largest gathering of geotechnology industry in Latin America, is taking place at the Frei Caneca Convention Center in Sao Paulo (SP), Brazil, from May 29 to 31, announces the opening of the first phase of the MundoGEO#Connect Award 2012, which will recognize professionals, institutions, companies and preferred brands in the industry. In addition to new categories, a difference in this year's award is the sponsorship of Garmin, a global manufacturer of navigation systems GPS.

The award ceremony will be held on May 29, the first day of the MundoGEO#Connect LatinAmerica 2012 event. Altogether there are 22 categories, separated into professional, social networks, institutions, companies and brands. The first phase, which will go thru March 30, users, experts and decision makers in the sector of geotechnology will indicate who the finalists should be. The second phase will be held in April. The winner of each category will be chosen by the community from the most voted ones in the first phase.

Check out the categories of the 2012 MundoGEO#Connect Award:

Best of the Brazilian geo industry: Personality of the year; Best educational institution; Preferred public institution; Best geo twitter; Best social network group Company with an outstanding presence on social networks; Best junior geo company; Best marketer; Best satellite images company; Best mapping company; Best Location Based Services (LBS) company; Best company of geodesy and topography equipments; Best GIS software company; Best image processing software company; Best solutions developer company.



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Most distinguished international brand: Topographic and geodetic GPS; Total stations; Commercial GIS; Open Source GIS; Image Processing; Satellite images; Geospatial data interoperability.

In the first edition of MundoGEO#Connect Award, held in June 2011, one of the spotlights was Luiz Paulo Souto Fortes, the head of geosciences at the time of the Brazilian Institute of Geography and Statistics (in Portuguese IBGE), which won the award of the professional of the decade in the geotechnology field. The National Institute for Space Research (in Portuguese INPE) was also recognized as the best teaching and research institution.

"MundoGEO#Connect Award, since its creation, aims to draw attention to professionals, institutions and companies through recognition of its own community," said Eduardo Freitas, technical coordinator of MundoGEO#Connect Latin America. "For the second edition, we received several suggestions, some of which have become new categories such as the best Twitter profile on geotechnology and the best junior company in the industry," he concludes.

Please vote using the form available at: <http://mundogeconnect.com/2012/menu-superior/premio/primeira-fase> the system allows you to vote on options for a single time, by confirming your vote by email

Travel Grant to Participate in the 22nd ISPRS Congress in Melbourne, Australia

Source: <http://www.isprs.org/>



EI ISPRS Congress will take place from 25 August to 1 September 2012 in Melbourne Australia, jointly funded by The ISPRS Foundation and the Australian Organizing Committee. Application must be completed and send not later than **7th March** 2012, by email to: Congress Director Cliff Ogleby at: isprs2012@icms.com.au. The application form may be found [here](#).

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Employment Opportunities

Post-Doctoral Associate in Climate Sciences - OU South Central Climate Science Center

Source: Leslie Armstrong by way of Santiago Borrero

In cooperation with the U.S. Geological Survey, the South Central Climate Science Center at the University of Oklahoma in Norman, Oklahoma, is seeking a recent Ph.D. graduate interested in advancing the understanding and evaluation of statistical downscaling for climate impacts research. This post-doctoral associate will examine the strengths and limitations of multiple statistical downscaling techniques by quantitatively assessing the extent to which downscaled datasets add value to output from state-of-the-art global climate models. This researcher will be an employee of the University of Oklahoma; will be located at the Geophysical Fluid Dynamics Laboratory in Princeton, New Jersey; and will work closely with principal investigators at the Geophysical Fluid Dynamics Laboratory of the National Oceanic and Atmospheric Administration (NOAA). The maximum term of this appointment is 30 months. Applicants must have a Ph.D. in atmospheric sciences, applied statistics, or a related field. Applicants are asked to submit vitae, a statement of research experience

and interests, and names and contact information of at least three academic references to Dr. Berrien Moore, College of Atmospheric and Geographic Sciences, 120 David L. Boren Blvd., Norman, OK, 73072. For further information about the position, please contact Dr. Berrien Moore at berrien@ou.edu. More information at:

<http://som.ou.edu/jobs.php?jobID=955>

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Other

CaMPAM Management Capacity Assessment of Coral Reef MPAs in the Caribbean

Source: Europe Overseas Forum

The Peer-to-Peer Learning Workshop on Sustainable Finance Strategies for Marine Protected Areas was held at the 64th Annual Gulf and Caribbean Fisheries Institute (GCFI) Meeting in Puerto Morelos. Marine protected Area (MPA) managers from nine Caribbean nations and territories came together to share experiences related to sustainable finance strategies for MPAs. They presented their experiences in developing and implementing site level business plans and sustainable finance mechanisms. Participants are now working on follow-up activities to implement new approaches to financing learned at the event and to further build site-level capacity for the sustainable financing of MPAs. The event was the first follow-up activity to the CaMPAM Management Capacity Assessment of Selected Coral Reef Marine Protected Areas in the Caribbean (for the full report please see <http://campam.gcfi.org/CapAssess/CapacityAssessmentReport2011/index.html>). The report also includes the site assessment of British Virgin Islands, Saba, St Eustatius, Turks and Caicos. For further information please contact Emma Doyle at emma.doyle@gcfi.org.



Sustainable Smallholder Agriculture: Feeding the World, Protecting the Planet

Source: <http://www.ifad.org/>

What promise will Rio herald for agriculture? As the international community prepares for Rio+20 in June 2012, Dr. Lindiwe Majele Sibanda, Chief Executive Officer of the Food, Agriculture and Natural Resources Policy Analysis Network (FANPRAN), speaks about the prospects for elevating the role of agriculture in the climate talks. Dr. Sibanda presents her views on what global policy and investment changes are needed to ensure that smallholder farmers in developing countries can play a central role in meeting the multiple challenges of increasing their production to ensure food security while preserving the natural environment and coping with the effects of climate change. Dr. Sibanda discusses the ways in which smallholder agriculture is impacted by resource scarcity and climate change – and how farming can and must become environmentally friendly. A leading supporter of the Farming First campaign, Dr. Sibanda advocates a holistic approach to sustainable agricultural development.

Climate Change Threatens Tropical Birds

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



Climate change spells trouble for many tropical birds -especially those living in mountains, coastal forests and relatively small areas- and the damage will be compounded by other threats like habitat loss, disease and competition among species. That is among the conclusions of a review of nearly 200 scientific studies relevant to the topic. The review was scheduled for online publication on February in the journal *Biological Conservation* by Cagan Sekercioglu, an assistant professor of biology at the University of Utah. There are roughly 10,000 bird species worldwide. About 87 percent spend at least some time in the tropics, but if migratory birds are excluded, about 6,100 bird species live only in the tropics, Sekercioglu says. He points out that already, “12.5 percent of the world's 10,000 bird species are threatened with extinction” - listed as vulnerable, endangered or critically endangered by the International Union for Conservation of Nature.

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Americas: Conferences, SDI Events

12th International Congress on Surveying, Cadastre, Geodesy and Geomatics 2012

Source: <http://www.uecatastro.org/>



XII Congreso Internacional de Topografía, Catastro, Geodesia y Geomática: "La era digital de la profesión"

The Congress will be held on September 20-22, 2012 in San Jose, Costa Rica, under the theme "The profession's digital age." This year, the theme of the Congress will be the transformation undergone by Topographic Engineering, especially the technological advances that have "digitized" the professional practice. Among the topics to be discussed during the conference are included: Geospatial Data Storage Platforms, Use of Global Positioning Systems, Development of Geomatics Engineering, 3D simulation: Application Infrastructure, and Evaluation Platforms. For more details, please contact Adriana Monge, Secretary Organizing Committee of the Congress amonge@cfia.cr or Fressy Arguello in farguello@imagencomunica.com. To register please enter the web site and fill in the respective form <http://colegiotopografoscr.com/congreso2012/>. The agenda of the congress may be found at: <http://www.uecatastro.org/documentos/xii-citcg-2012/Temario.pdf>

Symposium SELPER 2012: Earth Observation for a Green Co-developed World

Fuente: <http://www.selper2012.com/en/>



Abstract submission deadline: June 4, 2012
contact@selper2012.com www.selper2012.com

SELPER 2012 will take place on November 19-23, 2012 in Cayenne, French Guiana. Deadline for Abstract submission is **June 4, 2012**. SELPER invites remote sensing experts from Latin America to meet and discuss the role of earth observation in global environmental governance and the green economy at the SELPER 2012 symposium. The SELPER 2012 symposium objective is to highlight Latin American remote sensing work in the area of setting and monitoring new policy targets for global environmental governance, eradication of poverty, and the green economy. More information at: <http://www.selper2012.com/en/>. Contact: contact@selper2012.com

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MARCH 2012

1 *NEW*	Bogota, Colombia	Working Table - Bogota DC Reference Map Geographic Object Catalogue
5-9	Honolulu HI, USA	Hawaii Pacific GIS Conference
5-9	Asunción, Paraguay	27th Session of the Latin America and the Caribbean Forestry Commission (LACFC)
6-7 *NEW*	Ciudad de Mexico, Mexico	International Seminar on Statistical and Geographical Information for Better Water Management
7-8	Redlands CA, USA	ESRI California, Hawaii, Nevada Regional User Conference
8 *NEW*	Webinar, USA	Getting Rolling in 2012 with HTML5 and ESRI Technology
8 *NEW*	Webinar, USA	iVAULT ArcGIS 4.4 release!
12-15	Atlanta GA, USA	Fifth International Conference on Information and Communication Technologies and Development (ICTD2012)
12-15	San Antonio TX, USA	GIS/CAMA Technologies Conference

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NEW 13-15	Cartagena, Colombia	Colombia Oil and Gas Summit and Exhibition
14-17	Paraná, Argentina	6th Latin American Geographic Colloquium "The New Latin American Regional Settings from a Geographic Perspective" Contact: infomesvicoloquio@uader.edu.ar ; http://www.technology-conference.com/
NEW 19-23	Austin, Texas	OGC Technical Committee Meeting (TC/PC)
19-23	Sacramento CA, USA	ASPRS 2012 Annual Conference
19-23	Sacramento CA, USA	Imaging and Geospatial Technologies - Into the Future
21-23	Asunción, Paraguay	II National Congress of Agricultural Sciences: Integration, Competitiveness and Sustainable Development
NEW 22	Webinar, USA	Maximize ROI: Integrate Your iCity Financial Data to iVAULT Web-Based Mapping
22-23	Mar del Plata, Argentina	Regional Working Days of Current and Potential gvSIG Users
22-23	Lima, Peru	19th Geomatics International Congress: GeoExpo 2012
24-27	Palm Springs CA, USA	ESRI Partner Conference
25-28	Arlington VA, USA	15th Annual AAAE GIS Conference and Exposition
26	Palm Springs CA, USA	ESRI Developer Summit
29	Webinar, USA	GIS and Social Media Integration
NEW 29-30	Washington DC, USA	MAPublisher Training

APRIL 2012

2-4	San Francisco CA, USA	Where 2.0
2-4	San Francisco CA, USA	O'Reilly Where: The Art and Business of Location
2-5	Dallas TX, USA	Computerworld – SNW Spring 2012
NEW 10-12	Washington DC, USA	WhereCon 2012
11-13	Buenos Aires, Argentina	7th Aquarius SAC-D Science Meeting
11-13	Sacramento CA, USA	CalGIS: 18th Annual California GIS Conference
NEW 14-17	Parana, Entre Rios, Argentina	6th Colloquium on Latin American Geography
14-17	Los Angeles CA, USA	2012 American Planning Association National Planning Conference
15-18	Loveland CO, USA	25th Annual GIS-T 2012 Mainframe to Mainstream - 25 Years of Progress
UPDATED 16-18	Loveland CO, USA	GIS-T 2012: GIS for Transportation Mainframe to Mainstream - 25 Years of Progress
16-19	Las Vegas NV, USA	Optimizing Customer and Product Support Through Remote and Proactive Service Models
16-20	Mar del Plata, Argentina	XIX Latin American Congress and XXIII Argentine Congress on Soil Science
16-20	Havana, Cuba	Congress INFO 2012 - 12th International Congress on Information
17-18	Atlantic City NJ, USA	MapFrame East Coast Regional Seminar
19-20	Ottawa ON, Canada	MAPublisher Training
19-21	Bahía Blanca, Argentina	IX National Conference on Physical Geography Contact: geografafisica@uns.edu.ar
NEW 21-24	Ciudad Juárez, México	CIPEU2012
22-25	Vancouver, Canada	9th International Conference on Information Systems for Crisis Response and Management- ISCRAM 2012
22-26	Kansas City MO, USA	MAGIC - 2012: Mid-America GIS Symposium
24-25	Las Vegas NV, USA	MapFrame West Coast Regional Seminar
25-28	Cordoba, Argentina	XI National and VIII Latin American Congress on Surveying Contact: seceventos@agrimcba.org.ar
26-27	San Miguel de Tucumán, Argentina	3rd Tucuman GIS Working Days
26-27	Tunja, Boyacá, Colombia	First International and 2nd National Seminar on Geomatics, Environment and Hydraulics
Apr. 30 – May 2	Houston TX, USA	ESRI Petroleum GIS Conference

MAY 2012

2-5	Villa Carlos Paz, Córdoba, Argentina	11th National and 8th Latin American Congress on Surveying
7-9	Rio de Janeiro RJ, Brazil	GEOBIA 2012: Geographic Object-Based Image Analysis Contact: geobia2012@dpi.inpe.br

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7-9	Calgary Alberta, Canada	Conference GeoAlberta 2012
7-11	Bogotá, Colombia	XII International Symposium on Geo critique
8-9	Bloomington IN, USA	2012 Indiana GIS Conference
8-10	New Orleans LA, USA	CTIA Wireless 2012
14-17	Rio Claro-SP, Brazil	Brazilian Congress About Natural Disasters
NEW		
14-17	Quebec City, Canada	GSDI-13: Spatially Enabling Government, Industry and Citizens
14-18	Havana, Cuba	V Latin American Congress on Territorial Studies (in Spanish CIETA)
NEW		
15-17	Ontario, Canada	Canadian Hydrographic Conference (CHC2012)
17-18	Denver CO, USA	MAPublisher Training
22-23	Grantville PA, USA	The 2012 PA GIS Conference
22-23	Washington DC, USA	Location Intelligence Conference/Oracle Spatial 2012
22-25	Ciudad de Mexico, Mexico	First International Conference on Government Statistics, Public Security, Justice and Victimization
NEW		
26-27	Tunja, Colombia	I International and II National Seminar on Geomatics, Environmental and Hydraulics
NEW		
May 28-Jun. 1	Mendoza, Argentina	XI Argentine Congress on Meteorology Contact: blazquez@cima.fcen.uba.ar
29-31	São Paulo, Brazil	MundoGEO#Connect: "Sharing Information for a Better World" Contact: connect@mundogeo.com
May 30-Jun. 1	Washington DC, USA	UCGIS 2012 Spring Symposium

JUNE 2012

3-6	Salvador Bahía, Brazil	33rd Inter-American Congress on Sanitary and Environmental Engineering AIDIS
4-5	Bogotá, Colombia	Andean Geomatics 2012
4-6	Rio de Janeiro RJ, Brazil	UN Conference on Sustainable Development (commonly called Earth Summit 2012) or 'Rio+20'
4-7	Las Vegas NV, USA	Hexagon 2012
6-8	Villa de Leyva, Colombia	6th Symposium of the Latin American and Caribbean Society of Environmental History - SOLCHA
11-15	Savannah GA, USA	URISA Leadership Academy
12-13	Buenos Aires, Argentina	First Latin-American Congress on Urban Ecology - Challenges and Development Scenarios for Latin American Cities
NEW		
12-14	Boulder CO, USA	Call for Participation - Socioeconomic Benefits of Geospatial Information Contact: francoise.pearlman@ieee.org
NEW		
14-15	Buenos Aires, Argentina	First International Course on Urban Ecology
14-15	Chicago IL, USA	Location Intelligence for Enterprise USA
18-20	Salvador de Bahía, Brasil	Seventh International Conference on "Geographical Analysis, Urban Modeling, Spatial Statistics" GEOG-AN-MOD 12
NEW		
18-21	Salvador de Bahía, Brasil	The 2012 International Conference on Computational Science and its Applications (ICCSA 2012)
NEW		
24-27	Chicago IL, USA	4th Urban Street Symposium
25-29	Buenos Aires, Argentina	Sixth Congress on Cartographic Science

JULY 2012

1-3	Reston, VA, USA	COM.Geo 2012 The 3rd International Conference on Computing for Geospatial Research and Application
7-12	San Diego CA, USA	The Survey Summit
16-20	New Orleans LA, USA	2012 Coordinate Metrology Systems Conference (CMS)
NEW		
21-24	San Diego CA, USA	ESRI Education User Conference
21-24	San Diego CA, USA	ESRI Homeland Security Summit
22-24	San Diego CA, USA	ESRI Business Summit
23-27	San Diego CA, USA	ESRI International User Conference 2012
26-27	San Diego CA, USA	MAPublisher Training

AUGUST 2012

6-9	Memphis TN, USA	URISA/NENA Addressing Conference
13-15	UN (New York)	Second Session of the Committee of Experts on Global Geospatial Information Management
NEW		

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14-17	Río de Janeiro, Brazil	Latin America Geospatial Forum 2012
14-17	Rio de Janeiro, Brazil	Latin America Geospatial Forum 2 nd Annual Latin American Conference and Exhibition on Geospatial Information, Technology and Applications.
16-17	Rio de Janeiro, Brazil	Conference on Geospatial for Defense and Homeland Security: Geo-Intelligence Latin America
23-24	Porto Alegre, Brazil	Seminar "Sharing Environmental Data in Latin America"

SEPTEMBER 2012

5-8 *NEW*	Pittsburgh, PA, USA	14th ACM International Conference on Ubiquitous Computing - UbiComp 2012
9-11	Albuquerque NM, USA	IMTA (Americas) 2012 Conference and Member Showcase
9-13	Lake Buena Vista FL, USA	National States Geographic Information Council Annual Meeting
11-14	Corvallis OR, USA	ForestSAT 2012: A Conference Promoting Science-based Applications of Remote Sensing and other Spatial Data in Forested Systems
13-14	Philadelphia PA, USA	MAPublisher Training
17-18	Daytona Beach FL, USA	6th Annual CFGIS Workshop
18-21	Alta Gracia, Cordoba, Argentina	Argentinean Congress of Remote Sensing 2012
20-22 *NEW*	San Jose, Costa Rica	12th International Congress on Surveying, Cadastre, Geodesy and Geomatics 2012
24-28	Montevideo, Uruguay	XIX ISTRO Conference and 4th Meeting of the Uruguayan Society of Soil Science . More: http://www.congresos-rohr.com/istro2012
Sep. 30 – Oct. 3	Long Beach CA, USA	Autovation 2012
Sep. 30 – Oct. 4	Portland OR, USA	URISA's Annual Conference for GIS Professionals
Sep. 30 – Oct. 3 *NEW*	Long Beach CA, USA	Autovation 2012
Sep. 30 – Oct. 4 *NEW*	Portland OR, USA	URISA's Annual Conference for GIS Professionals

OCTOBER 2012

1	Houston TX, USA	Fall 2012 Meeting: New Positioning Techniques
1-4	Portland OR, EUA	URISA's Annual Conference for GIS Professionals
4-5	Buenos Aires, Argentina	19th ESRI Users Latin-American Conference
15-17	Dallas TX, USA	Field Service Interactive
23-25	Mérida, Venezuela	II Venezuelan Congress of Geographic Information Systems GIS (COVESIG)

NOVEMBER 2012

1-4 *NEW*	Vancouver BC, Canada	37th Annual Meeting of the Social Science History Association – Historical Geography and Histories of Capitalism
8-9	Atlanta GA, USA	MAPublisher Training
12-16	Montego Bay, Jamaica	URISA's Caribbean GIS Conference
19-23 *NEW*	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

DECEMBER 2012

27-29	Las Vegas NV, USA	IMTA (Americas) 2012 Strategic Planning Session
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YEAR 2013

[Year 2013](#) January February March [April](#) May June July August September October November December

APRIL 2013

1-5	Havana, Cuba	V Cuban Convention on Earth Sciences - Geosciences 2013
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