

GeoForAll

Monthly Newsletter



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Editorial

Dear all,

This is the third issue of the GeoForAll Newsletter that you are reading. It is quite important for all the people involved in this publication to have everything on time and especially to have news from around the world. For this reason there are co-editors located in all continents and their job is to have their ears and eyes wide open to get as much news as possible. This effort is based mainly on two things: the idea of openness and volunteerism. They both go together. In spite of our best efforts, if you notice any errors, please bring this to our attention and we will correct it. This newsletter is a new initiative and we have a dedicated team of volunteers and everyone is learning as we go. So please bear with us as we learn and make it better with each issue.

I understand that there were some mistakes in the previous two issues. Thanks to the readers for bringing the mistakes to our attention. First of all I take responsibility and truly apologize. We have corrected the mistake in issue 1 on the Educator awards with a clarification put in our second issue.

In our second issue, there was a mistake to mention, a software which was not free under topic 10 (New Free and Open Software). It was not my intention to promote a proprietary software because this is not what this Newsletter is for. I get many emails about news and books and software. All these have to be checked and those which are not relevant are excluded. This time I made a mistake, so please accept my apologies. Only information and updates of free and open source software will be published in GeoForAll newsletters.

Also, there are activities and events that may occur somewhere on the planet but not mentioned in the Newsletter. Please, if you know about any event and/or activity taking place in the future, no matter how much in the future, please send it to the appropriate co-editor. Depending on where the event is taking place, you can find the appropriate person on page 2 to send the news. Please be sure that the event/information is relevant to the scopes of our Newsletter because there are many events about free software but not all of them are relevant to GeoForAll.

In case someone wants to inform the community about a free and open software, please take into account that in order to be accepted, the information should be followed by a small article/comments (not more than 100 words) where, among other details, it should be pointed out that the software is in accordance to the scopes of the GeoForAll community. This will help the editors because they don't have the time to check out in depth all the software sent to the Newsletter.

Thank you and wish you a pleasant reading.



Editorial Board

Please refer to the appropriate person according to the following table:

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<p>Production Designer</p> 	<p>Nikos Voudrulis, Principal of the 1st Primary School of Asvestochori, Thessaloniki, Greece, MSc, PhD candidate in geography education. nvoudris@gmail.com</p>	Design and final formation of the newsletter



GeoForAll Regional Chairs and Contact Information

North America Region

Chairs: Helena Mitsova (USA), Charles Schweik (USA), Phillip Davis (USA) Subscribe at mail list <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-northamerica>

Email: na.gfa.chair@osgeo.org

South America Region

Chairs: Sergio Acosta y Lara (Uruguay) and Silvana Camboim (Brazil) Subscribe at mail list <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-southamerica>

Email: sa.gfa.chair@osgeo.org

Africa Region

Chairs: Rania Elsayed Ibrahim (Egypt), Serena Coetzee (South Africa) and Bridget Fleming (South Africa) Subscribe at mail list <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-africa>

Email: africa.gfa.chair@osgeo.org

Asia Region (including Australia)

Chairs: Tuong Thuy Vu (Malaysia/Vietnam) and Venkatesh Raghavan (Japan/India) Subscribe at maillist <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-asiaaustralia>

Email: asia.gfa.chair@osgeo.org

Europe Region

Chairs: Maria Brovelli (Italy) and Peter Mooney (Ireland) Subscribe at mail list <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-europe>

Email: eu.gfa.chair@osgeo.org

GeoForAll Themes

OpenCity Smart

- Chairs: Chris Pettit (Australia), Patrick Hogan (USA)
- Mail list: <http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-urbanscience>
- Website: <http://wiki.osgeo.org/wiki/OpenCitySmart>

Teacher Training & School Education

- Chairs: Elżbieta Wołoszyńska-Wiśniewska (Poland), Nikos Lambrinos (Greece), Adrian Manning (UK)
- Mail list: geoforall-teachertraining@lists.osgeo.org
- Website: http://wiki.osgeo.org/wiki/GeoForAll_TeacherTraining_SchoolEducation

GeoForAll (GeoParaTodos) Themes in Spanish

- Chairs: Sergio Acosta y Lara (Uruguay), Antoni Pérez Navarro (Spain)
- Mail list: Spanish : geoforall-spanish@lists.osgeo.org
- Website: http://wiki.osgeo.org/wiki/GeoForAll_Spanish

CitizenScience

- Chairs: Peter Mooney (Ireland) and Maria Brovelli (Italy)
- Mail list: <https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-geocrowd>
- Website: http://wiki.osgeo.org/wiki/Geocrowdsourcing_CitizenScience_FOSS4G

AgriGIS

- Chairs: Leibovici (U.K/France) and Venkatesh Raghavan (Japan/India)
- Mail list: <https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis>
- Website: <http://wiki.osgeo.org/wiki/AgriGIS>



2. Lab of the Month

University of Southampton, United Kingdom

By Suchith Anand



Dear GeoForAll Colleagues,

It is my great pleasure, to introduce our colleagues at University of Southampton's Open Source Geospatial Lab as our "Geo4All" lab of the month.

At OSGIS 2012 (<https://www.nottingham.ac.uk/osgis/home.aspx>), Professor David Martin (who was the

Suchith Anand,
Nottingham Geospatial
Institute, University of
Nottingham, UK

keynote speaker at OSGIS 2012) announced University of Southampton's aim for the establishment of an Open Source Geospatial Lab (<http://opensourcegeospatial.icaci.org/tag/university-of-southampton-open-source-geospatial-lab/>) to build up research in this strategic area at the University of Southampton. In less than 6 months (in April 2013), the University of Southampton Open Source Geospatial Laboratory (OSGL) was formally established by the [GeoData Institute](#) and [Geography and Environment AU](#) (http://www.southampton.ac.uk/geography/news/2013/04/open_source_geospatial.page). It also is a great example of bringing together staff from various disciplines (Engineering, Geography, Electronics, and Computer Science) across the University. This is something we all can learn from and expand ideas for other Open Source geospatial labs globally. The members of the lab are [Prof. Pete Atkinson](#) (who is now a visiting professor), [Prof. David Martin](#), [Jason Sadler](#), [Chris Hill](#), [Julia Branson](#), Craig Hutton, Andrew Murdock, Duncan Hornby, [Andrew Harfoot](#), Gemma Gubbins, Homme Zwaagstra, Jeremy Austin, Ian Waldock, Oles Kit, [Mike Clark](#), [Samantha Cockings](#), [Robin Wilson](#), Kirk Martinez, [Kate Parks](#), [Simon Blainey](#) and [Richard Treves](#).

The Laboratory engages in open source geospatial research for geospatial software and data; using open

source geospatial software and data as tools; and contributing to the tools, standards, and data through research. There is an excellent range of research projects involving researchers affiliated with the University of Southampton Open Source Geospatial Laboratory at <http://www.osgl.soton.ac.uk/projects/>. These research projects demonstrate the breadth and depth of various interesting research being done at Southampton from population surface modeling to Semantic Sensor Grids for Environmental Management.

They also run very successful Professional courses in Open Source GIS and Geospatial technologies ranging from introductory level to more advanced courses covering GIS in greater depth. Most of their training courses are validated by the Association for Geographical Information (AGI) and delegates attending these courses will receive points towards the AGI continuing professional development (CPD) scheme. They can also provide customized GIS training to suit any specific Open Source needs. Tailored training is offered in Quantum GIS and also more generally in spatial analysis, spatial data, and specific issues, such as map projections for GIS. Details of their training programs are available at <http://www.osgl.soton.ac.uk/training/>.

In less than two years after establishment, the Open Source Geospatial Lab at University of Southampton has developed as a hub for fostering interactions and cross disciplinary collaborations not only between Southampton students and faculty, but is also the hub of the global Geo4All initiative.

The University of Southampton has developed and hosted our Geo4All website (<http://www.geoforall.org>) for free, which has been the key platform for expanding and building closer collaborations with universities and industries worldwide. On behalf of the Geo4All community, we thank Jason Sadler and all colleagues at the University of Southampton for their help and for their contributions to the Geo4All initiative, and we look forward to working and building more collaborations with all interested on this education mission.



3. Events (Past and Future)

1. NextGIS at FOSS4G 2015 in Seoul, Sept. 16-19.

NextGIS talked about “**New open source geospatial software stack from NextGIS**” that introduces our platform NextGIS Web, Mobile, QGIS, Manager. It happened on September 17th, 11:25, Session 4-2: New-born Business Solution, Room 10 (3F, K Avenue). This was their first world premiere and first ever participation at FOSS4G!

About presentation:

<http://nextgis.ru/en/blog/foss4g-seoul/>

Soft: <http://nextgis.ru/en/nextgis-web/>

Code: <https://github.com/nextgis/nextgisweb>

2. On September 19th NextGIS participated in Code sprint where they were working on CMake build for GDAL

http://wiki.osgeo.org/wiki/FOSS4G_2015_Code_Sprint#GDAL.

3. The European Space Agency (ESA) is organizing the first Hackathon on community coding of open-source toolboxes for Sentinel missions. The event will be held on 15-16 Oct 2015 in ESRIN following the community consultation meeting on Earth Observation Open Science 2.0.

4. ICA has declared, in consultation with the UN, 2015-16 as the International Map Year. The event got its official kick off during the opening ceremonies at the International Cartographic Conference in Rio on August 25th (reprinted from INSIGHTS from the Kansas Geographic Alliance, 2015, vol.3). More details in <http://mapyear.org>.

5. Location Tech is a working group hosted by the Eclipse Group which focuses on “developing advanced location aware technologies.” The Location Tech Tour include semi-casual meetups and conference style events to discuss open technology and data via camaraderie, networking, and member and non-member presentations.

Location Tech Tour events planned for October include:

8 October: GeoPhilly Meetup in Philadelphia, Pennsylvania, USA

12 October: Meetup in New York City, New York, USA

15 October: Fed Geo Day in Washington, DC, USA

23 October: Victoria GeoGeeks Meetup in Victoria, BC, Canada.

4. Conferences

Asia

1. 2-3 November 2015: 8th annual Geospatial Intelligence for National Security (GINS) APAC 2015 conference. Amara Sanctuary Resort, Sentosa, Singapore. Includes Daniel Honaker’s speech about 3D Geospatial Analysis and Visualization on the Web using open source software.

<http://www.ginsasia.com/3d-geospatial-analysis-and-visualization-on-the-web-agendasection>.

North and Central America and the Caribbean

October

2. 5-7: [Commercial UAV Expo](#)

Las Vegas, Nevada, USA

3. 5-9: International Society for Digital Earth 2015

Halifax, Nova Scotia, Canada

4. 15: [Fed Geo Day](#)

Washington, DC, USA

5. 12-16: [Conference on Spatial Information Theory \(COSIT\)](#)

Santa Fe, New Mexico, USA

6. 18-22: [URISA GIS-Pro & NWGIS 2015 Conference](#)

Spokane, Washington, USA

7. 27-28: [Open Government Partnership Global Summit Mexico](#)

Mexico City, Mexico

8. 27-29: [Polar Data Forum](#)

Waterloo, Ontario, Canada

November

9. 10-12: [Latin America Geospatial Forum](#)

Mexico City, Mexico

10. 11-13: [Group on Earth Observations Plenary & Mexico City Ministerial Summit](#)

Mexico City, Mexico

December

11. 9-11: [Spatial Information for Human Health](#)

Santa Barbara, California, USA

12. 14-18: [American Geophysical Union Fall Meeting](#)

San Francisco, California, USA

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4. Conferences

January 2016

13. 5-8: [Hawaii International Conference on System Sciences](#)
Kauai, Hawaii, USA

February 2016

14. 22-25: [URISA GIS/CAMA Technologies Conference](#)
Savannah, Georgia, USA

May 2016

15. 2-5: [FOSS4G North America](#)
Raleigh, North Carolina, USA

Europe

16. 12-14 Oct 2015: Earth Observation Open Science 2.0 workshop in Esrin (Frascati, Italy). More details in <http://www.eoscience20.org>

17. 20 - 22 October 2015: SATELLITE MASTERS CONFERENCE hosted at the German Federal Ministry of Transport and Digital Infrastructure (BMVI) in Berlin. The conference will feature an outstanding blend of sessions, solution soundbites, and roundtable discussions centered around leveraging satellite-derived data and other space solutions for business and society in the following fields:

- Digital Business
 - Big Data for Cloud Business
 - Smart Cities
 - Global Change & Sustainability
 - Small Satellites for the New Space Economy
 - Safety & Security
 - Satellite Services for European Infrastructures
- More information in www.satellite-masters-conference.eu.

18. 7 November 2015: "Educating the Future Spatial Citizens". The [GEOTHNK Project](#), the National Technical University of Athens - [OntoGeo Research Group](#), and [Ellinogermaniki Agogi](#) invite you to participate at the GEOTHNK International Closing Conference. The conference will be held at the facilities of Ellinogermaniki Agogi in Pallini (Attica - Greece) in conjunction with the [8th International Conference in Open and Distance Learning \(ICODL2015\)](#). More details in <http://www.geothnk.eu/index.php/es/news/events/92-geothnk-closing-conference>

19. 21-22 November 2015. Moscow. Open GIS Conference
Open GIS Conference: a unique event in the field of

public geoinformation technologies gathers active participants from the Russian community of open geodata and technologies in various fields of business, science, and education.

Conference website: <http://gisconf.ru/>

20. 25-27 May 2016: The 14th International Conference of the Geological Society of Greece, in Thessaloniki, northern Greece. The conference addresses all subjects of Earth Sciences: GIS, geoinformatics, Remote Sensing, etc. More details in www.ege2016.gr
21. 12-19 July 2016: ISPRS XXIII Congress, in Prague. More details at <http://www.isprs2016-prague.com/> There are two sessions of particular interest by our community:

Submission for papers is now open!

ABSTRACT type submission for the [ISPRS Archives \(deadline 13th December 2015\)](#)

FULL PAPER type submission for [The ISPRS Annals \(deadline 30th November 2015\)](#)

For details please see here: http://www.isprs2016-prague.com/program/calls/paper_submission.

a) Special Session: SpS10 - FOSS4G: FOSS4G Session (chairs: Maria A. Brovelli, Helena Mitsova, Krishnan Sundara Rajan)

Keywords: Free and Open Source Software for Geoinformatics (FOSS4G), geospatial research platform and systems for developing new applications crossing the new frontiers towards the Internet of Places, Big Geospatial Data processing and analytics, and complex simulations essential for understanding and managing the earth systems, human societies, and their interaction

b) Theme session: THS16: Recent Developments in Open Data

(chairs: Maria A. Brovelli, Hae-Kyong Kang, Hiroichi Kawashima)

Keywords: Open data, Linked open data, e-Government, Geospatial, Web

For those who need more information may contact Maria Brovelli (maria.brovelli@polimi.it)

c) Session THS17: Smart cities

(Chairs: Chris Pettit & Arzu Coltekin)

keywords: Geodesign, urban planning, visualization and spatial analysis of urban phenomena, energy use, walkability, pollution, health, infrastructure, population, aging.

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4. Conferences

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South America

22. 2-4 December: [International gvSIG Conference: "It's possible. It's real"](#). The 11th International gvSIG Conference, organized by the gvSIG Association, will be held at La Petxina Sports-Cultural Complex (Valencia - Spain).
[11as Jornadas Internacionales gvSIG: "Es posible. Es real"](#). Del 2 al 4 de diciembre de 2015 tendrán lugar en el Complejo Deportivo-Cultural Pechina (Valencia - España), bajo el lema "Es posible. Es real", las 11as Jornadas Internacionales gvSIG, organizadas por la Asociación gvSIG.

6. Courses

1. Temporal and spatial analysis of ecological data in an open source environment. October 26 – 29, 2015. Organizer: GIS and Remote sensing unit, Fondazione Edmund Mach San Michele all'Adige, Trento, Italy. More details in <http://gis.cri.fmach.it/> and <http://gis.cri.fmach.it/grass-gis-and-r-course/>, http://gis.cri.fmach.it/uploads/leaflet_grass_course_2015.pdf. Although the application deadline has passed, you can make a contact with the organizer for the educational content.
2. gvSIG Batoví workshop for students for teaching Geography (at the National Teachers Institute <http://ipa.cfe.edu.uy/> ; that means they are going to be teachers of Geography for all of Uruguay's High Schools, public and private) Taller sobre gvSIG Batoví para estudiantes de Profesorado de Geografía (del Insituto de Profesores Artigas <http://ipa.cfe.edu.uy/> ; insituto público nacional de formación para profesores de todo el país) <https://gvsigbatovi.wordpress.com/2015/07/31/taller-sobre-gvsig-batovi-para-estudiantes-de-profesorado-de-geografia-del-ipa-instituto-de-profesores-artigas-montevideo/>.
3. gvSIG Batoví workshop at High School Nº 11: use of Free Technologies on Geographic Information in the classroom - Day of the Future
 Taller sobre gvSIG Batoví en el Liceo Nº11: Experiencia de uso de las Tecnologías Libres de Información Geográfica en el aula – Día del Futuro: <https://gvsigbatovi.wordpress.com/2015/09/11/experien-cia-de-uso-de-las-tecnologias-libres-de-informacion-geografica-en-el-aula-dia-del-futuro/>.
4. If you are interested in exploring opportunities of using Open geospatial technologies, open standards, open data in your work and operations, then apply to be considered to take part in the free Workshops on Open Source, Open Standards, Open Data in Geospatial for government organisations, SMEs and startups on the 23rd Nov 2015 at the University of Nottingham. The aim is to bring together all interested players to learn, share, and discuss ideas for future collaboration opportunities in Open Source, Open Standards, Open Data in the Geospatial field, including exploring opportunities for participating in joint H2020 and other bids.
 Details at <http://www.nottingham.ac.uk/grace/events/eventsarticles/open-geo-info-workshop.aspx>
5. Online courses CNIG IGN (Spain)- 2015 (2nd call): The National Geographic Institute and the National Geographic Information Center released the second edition of their online courses for 2015 (in Spanish)
 More details (in Spanish) at: <http://cursos.ign.es/>
 Cursos en línea de IGN-CNIG 2015 (2ª convocatoria): El Instituto Geográfico Nacional y el Centro Nacional de Información Geográfica lanzan la segunda convocatoria de cursos en línea para el año 2015:
 - Teledetección, Fotogrametría, LIDAR y Ocupación del suelo (3ª edición), del 5 de octubre al 13 de noviembre.
 - Sistemas de Información Geográfica (12ª edición), del 5 de octubre al 13 de noviembre.
 - Infraestructura de Datos Espaciales II (1ª edición), del 19 de octubre al 27 de noviembre.
 - Cartografía Temática (11ª edición), del 19 de octubre al 27 de noviembre.
 Los cursos se desarrollarán a través de Internet y cada alumno contará con el apoyo de un tutor para resolver las dudas relacionadas con el contenido teórico y práctico. Además, el tutor realizará el seguimiento de la formación, calificará y corregirá las actividades programadas.
 Los cursos tendrán una duración de 6 semanas y el precio de la matrícula es de 100 euros. La inscripción en los cursos se puede realizar a través de la Tienda Virtual del CNIG hasta que se complete el cupo de cada curso y en todo caso, hasta una semana antes del inicio del curso. Para inscribirte debes registrarte de forma gratuita en la Tienda Virtual, seleccionar el curso que deseas y el medio de pago. Para más información consultar el manual.
 Más información sobre los cursos: <http://cursos.ign.es>
 Para realizar cualquier consulta sobre estos cursos dirigirse a: <http://cursos.ign.es>.



7. Training programs

- MOOC usuarios: <http://web.gvsig-training.com/index.php/es/quienes-somos-2/noticias-2/145-the-free-mooc-cycle-gvsig-for-users>.

This free (open in continuous form) MOOC cycle "gvSIG for Users" (in English) is offered by gvSIG Association, in collaboration with GISMAP, and it is made up of three different Modules:

Module 1: "Introduction to GIS"

Module 2: "Layer Editing"

Module 3: "Raster Analysis" (starting in Autumn 2015).

- MOOC scripting: <http://web.gvsig-training.com/index.php/es/quienes-somos-2/noticias-2/140-massive-online-open-course-de-introduccion-a-scripting-en-gvsig-2-1>

Massive Online Open Course (MOOC-free and continuously open enrollment) about "Introducción a Scripting en gvSIG 2.1" 2nd. edition (Spanish only).

Curso Abierto Masivo en línea (MOOC-modalidad de inscripción gratuita y abierta continuamente) de "Introducción a Scripting en gvSIG 2.1" 2a. edición (en español solamente).

- Geoforall educational inventory system, a place where to search and share educational materials: http://www.osgeo.org/educational_content.

9. Funding opportunities

The MetroLab Network (<http://metrolabnetwork.heinz.cmu.edu/>), announced at the White House Smart Cities Forum, seeks to strengthen and create partnerships between metro areas and their respective universities to research, develop, and deploy innovative technologies to address challenges facing the nation's urban areas. The Network, supported by a \$1 million grant from MacArthur, will provide the opportunity to share successes, address challenges, and build shared platforms for experimentation and data among cities and universities to improve the urban condition.

For more information, email info@metrolabnetwork.org

10. New free and open software

1. Version 9.0 of the OSGeo-Live GIS software collection has been released, featuring over 50 open source standards compliant geospatial applications. Details at <http://live.osgeo.org>.

2. Leaflet 0.7.5 Release

Leaflet is an open source JavaScript library for mobile-friendly interactive maps. It is developed by [Vladimir Agafonkin](#) of [MapBox](#) with a team of dedicated [contributors](#). Weighing just about 30 KB of gzipped JS code, it has all the [features](#) most developers ever need for online maps.

Leaflet is designed with *simplicity*, *performance*, and *usability* in mind. It works efficiently across all major desktop and mobile platforms out of the box, taking advantage of HTML5 and CSS3 on modern browsers while being accessible on older ones, too. It can be extended with a huge amount of [plugins](#), has a beautiful, easy to use and [well-documented](#) API, and a simple, readable [source code](#) that is a joy to [contribute](#) to.

For more info, docs, and tutorials, check out the [official website](#).

For Leaflet downloads (including the built master version), check out the [download page](#).

11. Free books, newsletters, etc.

1. Five new entries of Hungarian tutorials for QGIS, PostGIS, GRASS, GDAL/OGR, OpenLayers posted by Zoltan Siki on our Educational Content Metadata system (http://www.osgeo.org/educational_content and <http://www.osgeo.org/education>). These tutorials were made by the Geo4All lab at the Department of Geodesy and Surveying, Budapest University of Technology and Economics.



11. Free books

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2. Geospatial/SDI Regional monthly Newsletter available for download from the archive at: <http://www.gsdi.org/newsletters>.

The SDI Regional Newsletter published by the Global Spatial Data Infrastructure Association (GSDI) provides highlights from around the world on recent data policy and sharing developments, crowdsourcing and data visualization applications, and research on business models, user interface design, cyberinfrastructure, and RS/GIS impacts.

3. History of map projections (in Spanish)

The History of Cartography is an aspect generally overlooked in histories of Civilization; inside it is still the most ignored issue of map projections which is essential for the construction of maps but usually go unnoticed by historians and geographers who rarely mention it. In this book the story of an aspect of Cartography as essential as that is reviewed; it summarizes the main characteristics of the most common projections and a synthetic literature on the subject is provided. All with a didactic sense and the amenity of a teacher from the category of Jose Martin Lopez.

Historia de las proyecciones cartográficas: www.ign.es/ign/resources/acercaDe/libDigPub/HistoriaProyeccionesCartograficas.zip.

La Historia de la Cartografía es un aspecto generalmente olvidado en las Historias de la Civilización; dentro de ella está más ignorada todavía la cuestión de las proyecciones cartográficas, algo fundamental para la construcción de mapas, pero que suele pasar desapercibido para los historiadores y los geógrafos, que rara vez lo mencionan. En este libro se repasa la historia de un aspecto de la Cartografía tan esencial como ese, se resumen las principales características de las proyecciones más habituales y se proporciona una bibliografía sintética sobre el tema. Todo ello con el sentido didáctico y la amenidad de un profesor de la categoría de José Martín López.

4. The proceedings of Spatial data infrastructures, standards, open source and open data for geospatial (SDI-Open 2015) [1] jointly organised by the ICA Commission on Geoinformation Infrastructures and Standards, the Commission on Open Source Geospatial Technologies, IBGE, the Open Source Geospatial Foundation (OSGeo) and the Open Geospatial Consortium (OGC) at Brazilian Institute of Geography and Statistics (IBGE), Rio de Janeiro, Brazil are now available at <http://sdistandards.icaci.org/>.
5. Free online access to New Zealand's most up-to-date land and seabed data. - See more at: <http://www.linz.govt.nz/data/linz-data-service#sthash.fdeyJem8.dpuf>.

12. Articles

Opensource GIS technologies help to internet development (in Chinese)

<http://www.ccidnet.com/2015/0910/10023350.shtml>.

Abbreviations

by Nikos Lambrinos, Chief Editor

More abbreviations are added thanks to those sent by Siki Zoltan from Hungary.

For those who would like to support this effort, please send any abbreviations to the Chief Editor (labrinos@eled.auth.gr)

AAG: Association of American Geographers

AGS: American Geographical Society

AM/FM: Automated Mapping/Facilities Management

ASPRS: American Society for Photogrammetry and Remote Sensing

AURIN: Australian Urban Research Infrastructure Network

CAD: Computer Aided Design

CLGE: The Council of European Geodetic Surveyors

COGO: Coordinate geometry

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Abbreviations

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CRS: Coordinate Reference System
 DAAC: Distributed Active Archive Center (of NASA)
 EOS: Earth Observation Science
 EOSDIS: Earth Observing System and Data Information System
 DEM: Digital Elevation Model
 DXF: Drawing Interchange File
 EPSG: European Petrol Survey Group (used in projection IDs)
 ESA: European Space Agency
 EUROGI: European Umbrella Organisation for Geographic Information
 FOSS: Free and Open Source Software
 FOSS4G: Free and Open Source Software For Geospatial
 GCP: Ground Control Point
 GNSS: Global Navigational Satellite System
 GPS: Global Positioning System
 GPX: GPS Exchange Format
 HOT: Humanitarian OpenStreetMap Team
 ICA: International Cartographic Association
 INSPIRE: Infrastructure for Spatial Information in Europe
 ISPRS: International Society for Photogrammetry and Remote Sensing
 KML: Keyhole Markup Language
 LiDAR: Light Detection and Ranging
 LOC: Local Organizing Committee
 LOD: Level Of Detail
 MoU: Memorandum of Understanding
 NAD: North American Datum
 NGA: National Geospatial Intelligence Agency
 OER: Open Educational Resources
 OGC: Open Geospatial Consortium
 OSGeo: Open Source Geospatial Foundation
 OSM: OpenStreetMap
 RCMRD: Regional Centre for Mapping of Resources for Development
 SDI: Spatial Data Infrastructure
 SQL: Structured Query Language
 TIN: Triangulated Irregular Network
 UAV: Unmanned Aerial Vehicle
 USGIF: United States Geospatial Intelligence Foundation
 WCS: Web Coverage Service
 WFS: Web Feature Service
 WGS: World Geodetic System
 WMS: Web Map Service
 WMTS: Web Map Tles Services
 WPS: Web Processing Service

15. Awards

Professor Maria Brovelli has won the prestigious Sol Katz Award 2015 (<http://www.osgeo.org/solkatz>) at the FOSS4G conference in Seoul. On behalf of the "Geo for All" community, we are very happy, and it is great recognition for the many many years of her selfless contributions to Open Principles and education. Our congratulations. Maria Bovelli is Professor and Vice Rector at the Politacnico di Milano, charter member of OSGeo, a member of its Committee "Education and Curriculum," and is on the Advisory Board for the Geo For All initiative. On behalf of the "Geo for All" community, our congratulations to Maria.

Student awards at FOSS4G-2015

1) OSGeo Best Oral Presentation Student Award Title: Analysis of Spatial Density Utilizing the Big Data of Floating Population of Seoul City.

Authors: Hailin Kim (Hankuk Academy of Foreign Studies, Republic of Korea) High School student.

2) OSGeo Best Poster Presentation Award

Title: Mobile Application of Open Source Stack to Geo-based Data Visualization on E-Government Web Framework.

Authors: Kwangseob Kim (Hansung University), Hanseam Park, Kiwon Lee, Republic of Korea.

3) FOSS4G Seoul Best Oral Presentation Student Award

Title: Landmark Based Path Planning And Linear Path Generation For Mobile Map Applications.

Authors: Thejaka Mahaulpatha (Sri Lanka Institute of Information Technology), Pasindu Chandrasekara, Dananjaya Thathsara, Irendra Koswatta, Nimalika Fernando, Sri Lanka.

4) FOSS4G Seoul Best Poster Presentation Award

Title: Development of Opensource-based Photogrammetric UAV System Using Smart Camera

Authors: Jinwoo Park (Pukyong National University), Hohyun Jung, DongYoon Shin, Chuluong Cho, Republic of Korea.

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GeoForAll



15. Awards

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We congratulate all of them for their excellent work and contributions to FOSS4G and Open Principles. These student awards have been possible thanks to the support of the Open Source Geospatial Foundation, so we thank the OSGeo Board community and the LOC for their strong support. Special thanks to Sanghee, Venka, Maria, Jeff, and everyone in the GeoForAll Team who made this possible.





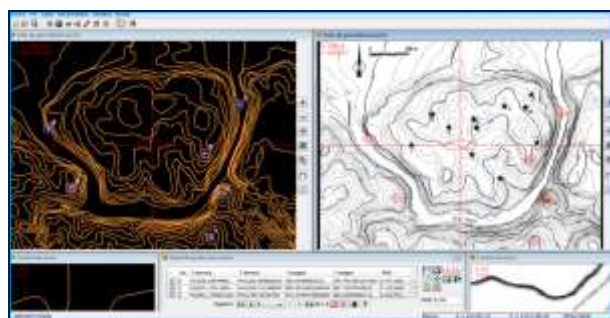
17. Ideas

- For those interested in promoting GeoForAll in any kind of event please consider downloading the GeoForAll slides from <http://www.geoforall.org/resources/downloads/GeoforAllslides.ppt>
- gvSIG Chair Contest:
 - for High School or Professional Training students
 - for University degree (bachelor, master) projects
 - for Doctoral Thesis or research works
 More details at <http://mastervcs.edu.umh.es/2015/01/29/i-concurso-catedra-gvsig/>



El I Concurso Cátedra gvSIG nace con el objetivo de crear un entorno de conocimiento compartido y animar a los usuarios de los Sistemas de Información Geográfica libres a compartir y dar visibilidad a sus trabajos. En esta línea, la Cátedra gvSIG convoca este concurso con el objetivo de fomentar el uso de las tecnologías espaciales de código abierto y potenciar la actividad académica, la investigación y el conocimiento sobre los Sistemas de Información Geográfica libres.

Desde la Cátedra gvSIG se quiere acercar la geomática libre a los nativos digitales del ámbito preuniversitario, así como a todos los usuarios de SIG libres a nivel internacional. Podrán presentarse al concurso estudiantes y egresados de Bachillerato y Formación Profesional, estudiantes y graduados universitarios, así como profesores universitarios e investigadores de todos los países.



Se otorgará un premio de 500 euros para cada una de estas categorías:

- Trabajo elaborado por alumnos de Bachillerato o Formación Profesional.
- Proyecto Fin de Titulación Universitaria (Licenciatura, Grado, Máster)
- Tesis doctoral o trabajo de investigación.

Más detalles en: <http://mastervcs.edu.umh.es/2015/01/29/i-concurso-catedra-gvsig/>

- Kingston GoGeomatics Canada <http://www.meetup.com/Kingston-GoGeomatics-Canada-Monthly-Networking-Social/>

The GoGeomatics socials are fun, free events for networking in the GIS, remote sensing, drone, Surveying, and geomatics community in Canada. If you have an interest in Open Data, Open Source software or anything related to things Geospatial come on out and mingle and network. These are free events with a good mix of students, professionals, and those with an interest in the technology and industry.

- New Zealand OSS <https://nzoss.org.nz/>

The New Zealand Open Source Society is a non-profit organization set up to protect, advocate and advance the use of Open Source Software in New Zealand.

NZOSS represents Open Source users, creators and contributors in New Zealand by promoting software, representing the interests of the community to Government and the education sector. It also supports community user groups.

