Volume 2, No. 10 October 2016

GeoForAll

Monthly Newsletter

Be part of "Geo for All"

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1. Activities of the Network

- Ottawa, Ontario, OSGeo Meetup Group meets on the third Thursday of each month. If you are located in the area, go to the link to sign up to the group and get updates about future events.
- Supporting Geomatics Education in Uruguay *By Sergio Acosta y Lara, Geomatics Department at the Ministry of Transport and Public Works (MTOP), Uruguay*
- "Open Principles in Education – Building Bridges, Empowering communities" webinar by Suchith Anand. Discussion also focused on open ed survey results and plans, including OEP for sustainability.
- The GRASS GIS Raleigh Meetup coordinates on the wiki page here: https://grasswiki.osgeo.org/wiki/GRASS_GIS_Raleigh_meetups_2016 and posts notes about each meeting. If you live, work, or visit in the Raleigh, North Carolina, area, check them out!

- **State of the use of FOSS and FOSS4G in Mexico.** *Manuel Haro, Laboratory for Open Source Software (LABSOL), Government of the State of Zacatecas, Mexico*.

This webinar presented an overview of the state of initiatives and use of FOSS and FOSS4G in Mexico. There are several efforts in the country to promote the use of FOSS/FOSS4G in government, education, and private companies. There are several experiences that provide a set of best practices for large FOSS deployments and use, such as in the case of the federal ministry for social development SEDESOL that has migrated all their servers to Linux Red Hat. The federally funded INFOTEC research center is working on several FOSS developments and deployments in large federal government agencies and large universities. Mexico City is working on the Smart Cities initiative including the use of FOSS and FOSS4G technologies. The state of Zacatecas in central Mexico created through a legal decree a FOSS Lab (LABSOL) for research, development, and education in the area of FOSS. So far 120 FOSS-based joint projects with LABSOL have been carried out by students and faculty from 39 universities around the country. The LABSOL is developing components of geospatial information systems based on the i3Geo Suite from Brazil. These developments have been demonstrated.

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Editorial Board

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

Chief Editor 	Nikos Lambrinos, Associate Professor, Dept. of Primary Education, Aristotle University of Thessaloniki, Greece. President of the Hellenic digital earth Centre of Excellence labrinos@eled.auth.gr	Oceania
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Co-editor 	Elżbieta Wołoszyńska-Wiśniewska (Ela), Head of Education Unit UNEP/GRID-Warsaw Centre ela@gridw.pl	Scandinavian countries, Denmark, Germany, Belgium, The Netherlands, Poland, Estonia, Latvia, Lithuania, Belarus, Ukraine, Czech Republic, Slovakia.
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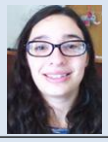
Co-editor 	Emma Strong, GIS Coordinator with Southern Mississippi Planning and Development District eestrong118@gmail.com	North and Central America
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GeoForAll Regional Chairs and Contact Information

North America Region

Chairs: Helena Mitasova (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)
  - 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: Didier Leibovici (U.K.) and Nobusuke Iwasaki (Japan)
  - Mail list: https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis
  - Website: http://wiki.osgeo.org/wiki/Agrigis

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- Here is a letter from Patrick Hogan, Program Manager, NASA World Wind regarding the NASA/Trentino Europa Challenge

Dear City of Trentino,

Our greatest achievements and our greatest joy come more easily and more often when we are working together. The biggest job we have today, aside from maximizing our children's education, is assuring their future and ours with a sustainable world. The world we have today is not sustainable. We need to become far more adept in supporting our mutual interests and do this in ways that increase the efficiency and efficacy of our actions.

The critical elements to life, whether it's water, energy or agriculture, are all intimately dependent on the condition of the biosphere. Given that the biosphere is rapidly changing, we too must rapidly adapt to those changes and we must do this collectively in ways that encourage the world to work together. This requires extraordinary leadership and highly creative solutions. If we are to address critical global issues and do this on a global scale, we need a place to gather and share ideas.

The Europa Challenge is there, not only for ideas, but for solutions, and solutions that the cities of the world can share. Cities are the basic element of society. And all cities need essentially the same tools for urban management, whether it is energy, water, sewer, construction, transportation, agriculture, and most important of all, quality education.

What if we began building those tools as open source and challenged every other city to join us in making and sharing the functionalities needed to manage urban infrastructure? And what if we challenged our best and brightest, our children, to participate in that grand enterprise for a world working together from the bottom up, every city benefiting every other city while working in their self-interest?

Climate change is coming, we cannot stop that freight train from seriously impacting our lives. Our ability to respond to this self-inflicted challenge is also a great opportunity for the world to quickly learn how to work more constructively together. The NASA/Trentino Europa Challenge is, in the words of our Moon landing, 20 July 1969, almost 50 years later,

'a small step for Trentino and a giant leap for the world!'

Together we can provide solutions that every city needs, and together we can continually advance and expand those solutions while we come to better appreciate the common ground we share and how much our desires and our dreams are one and the same.

Sincerely
Patrick Hogan

2. Lab of the Month

Hellenic digital earth Centre of Excellence, Greece

By Suchith Anand

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

Dear Geo4All Colleagues,

It is my great pleasure, to introduce our colleagues at Hellenic digital earth Centre of Excellence, Greece, as our "Geo4All" lab of the month.

Hellenic digital earth Centre of Excellence (www.digital-earth.edu.gr) is a research and educational center designed to promote the teaching of geography at all levels of education, with an emphasis in digital geographic data and their use through the construction of digital geographical educational tools. It was founded in 2012 after the approval of the evaluation committee of the European digital-earth.eu Centre of Excellence, located in Salzburg, Austria. The foundation of the

Centre was approved unanimously by the Senate of Aristotle on Aug 2012. In April 2014, the Centre was accepted as a member of Geo for All. The Centre is hosted in the premises of the Department of Primary Education of the Aristotle University of Thessaloniki. The founder and President of the Centre is Professor Nikos Lambrinos.

Fig 1 – Main meeting area of the Centre

The purposes of the Center are:

a) To network, participate, and cooperate with other Centers of Excellence.

b) To promote the ideas of the network and contribute to the incorporation of digital geography in the Geography Curricula in the compulsory levels of education.

c) To provide career advice to its members.

d) To construct, to diffuse, and to adjust digital tools that are helping improve the teaching of Geography in education.

e) As a scientific Center, to support the necessities of the teachers in European level structuring/designing products and providing essential services for the educators on active service.

f) To offer services in connection with its interests to everyone who would ask.

g) To train the educators who are interested in techniques used from the digital technology in geography.

h) to promote research in regards to the development of digital tools for geographic education at all levels of education.

The Centre has a structure that allows the development of a diversified activity. The structure is based on the following sections: a) Department of Digital Technology, b) Department of Development and Application of Teaching, c) Department of Translation and Publications, d) Department of Public Relations, and e) Department of Members. All Departments are staffed with teachers who offer voluntary work in their spare time.

Fig 2 – Students in a field mapping exercise

Regarding the educational impact of the Centre, the Centre enables students to construct digital maps suitable for educational use and exploit the opportunities arising from online cartography and its use in teaching school subjects that use maps, such as geography, history, climate science, etc.. Also, students are able to cooperate with the Centre for preparing their dissertations and publish on the Centre's website the digital maps they have built in a fully interactive environment. The Centre's website also contains many free interactive maps to be used by students and educators to cover their instructional needs.

In addition, the Centre offers free educational seminars for teachers in digital technology issues associated with geography, e.g. seminars on the use of GIS and web mapping. Finally, it publishes a quarterly Newsletter posted on its website and sent to its members.

More details at https://www.auth.gr/en/units/19861

Fig 3 – Students using GPS and maps to learn

They are engaged in open source geospatial research for geospatial software and data, and there is an excellent range of research projects. They also run very successful courses in Open Source GIS and Geospatial technologies ranging from introductory level to more advanced courses covering GIS in greater depth.

Hellenic digital earth Centre of Excellence, Greece, has developed as a hub for fostering interactions and cross disciplinary collaborations not only between Aristotle University of Thessaloniki students and faculty, but it is also the hub of the global GeoforAll initiative. Dr. Nikos Lambrinos initiated the idea of the Geo4All newsletter, and in just one year's time, this has become the key platform for expanding our ideas and building closer collaborations with universities and industry worldwide.

We aim to create openness in Geo Education for developing creative and open minds in students which is critical for building open innovation and contributes to building up Open Knowledge for the benefit of the whole society and for our future generations. The bigger aims are to advance STEM education across the world; to bring together schools, teachers, and students across the world in joint projects; and to help build international understanding and global peace. More details at http://www.geoforall.org/

On behalf of the Geo4All community, we thank Prof. Nikos Lambrinos and all colleagues at the Hellenic digital earth Centre of Excellence, Greece, for their help and for their contributions to the Geo4All initiative and look forward to working and building more collaborations with all interested on this education mission.

Best wishes,

Suchith Anand

B) GeoAmbassador of the Month

Sergio Acosta Y Lara

Dear colleagues,

It is my great pleasure to introduce Sergio Acosta Y Lara as our GeoAmbassador. The amazing work that Sergio and colleagues in Uruguay have done through gvSIG Batovi initiative has been an inspiration for all of us. Sergio is a true global citizen who has been working toward expanding opportunities for geospatial education for all. Sergio is the leading force who took the initiative to expand Geo4All across South America and is the co-chair of South America.

Fig 1 - Sergio Acosta Y Lara Dirección Nacional de Topografía – MTOP, Uruguay

Through his focus on Open Principles in Education, Sergio and colleagues have now provided high quality spatial technologies education to students in all schools across Uruguay. Thanks to the Plan Ceibal, they also have free laptops for all Primary and Secondary students in the country, so they truly have the opportunity to reach every student no matter if they are rich or poor with high quality teaching and learning tools.

https://www.youtube.com/watch?v=orwN9K07XPo (Video with English translation).

gvSIG Batoví is a GIS (Geographic Information System) software tool applied to educational environments driven by the National Bureau of Surveying (Dirección Nacional de Topografía – MTOP) for the Plan Ceibal (OLPC initiative for Uruguay), through which Primary and Secondary students can acquire knowledge of geography using laptops through informative and interactive information. Imagine if all these hundreds of schools and thousands of students had to depend on buying software and data for their teaching and learning. **This simple idea can be scaled to millions of schools globally. This empowerment of educators and students is the true essence and gift of Open Principles.**

Fig 2 - examples of gvSIG Batoví in action

The tool, after its launch, became the first Uruguayan distribution that gives rise to gvSIG Educa (Fig 2), which aims to be a tool for educators to provide students a better analysis and understanding of the region, as well as collaborate with the assimilation of spatial concepts using visual tools. It also provides the possibility to both teachers and students to develop their own thematic maps from different layers of spatial information available turning the learning process in a much more attractive, motivating and interactive one (Fig 3).

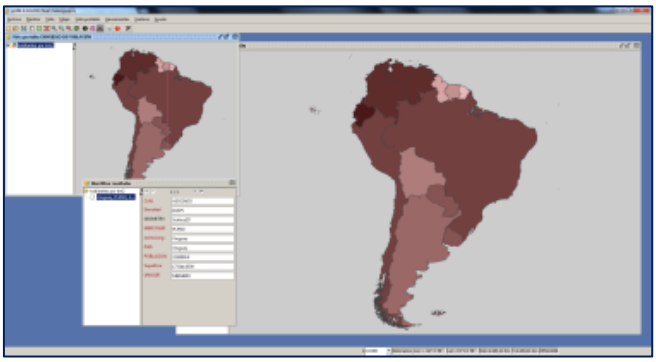

Fig 3 – Example of gvSIG Educa used for teaching GIS for primary and secondary education.

Based on Free/Libre Open Source GIS software, the initiative was the result of collective work that included the coordinated participation of four institutions: the National Bureau of Surveying, the gvSIG Association (Spain), the Geospatial Information Technologies Working Group (GTIG) of the College of Engineering (UDELAR), and the Ceibal Center (Centro Ceibal).

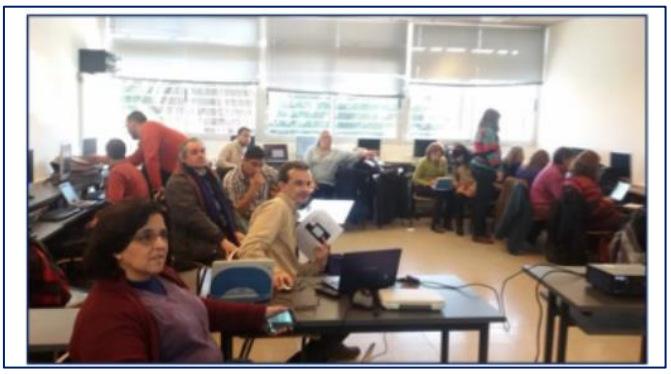

Fig 4 – Workshop for teachers in Geography

Since its launch it has been spread intensely through various presentations in congresses, workshops, courses, and webinars. Workshops and Train the trainer programs for students and teachers in Geography are organised to build the future leaders in geography education (see Fig 4, 5, 6, 7)

Fig 5 – Presentation for students and outreach

Fig 6 - Course for students to be teachers in Geography

Fig 7 – Workshop for secondary students.

Teaching spatial literacy in schools is key for also helping build good global citizens. Through our new initiative of Geo4All Schools we aim to use geotechnologies as a usecase to advance STEM interest in Schools through Open Principles so that students develop creative minds and develop to be future thought leaders and creative thinkers to help solve global challenges.

Geo for All is committed to working towards the vision of the United Nations 2030 Agenda for Sustainable Development for building a better world for everyone [1]. Open Education is the simple and powerful idea that the world's knowledge is a public good and that technology in general and the internet in particular provide an extraordinary opportunity for everyone to share, use, and reuse knowledge. **Openness is key for true empowerment and sustainability [2].**

Geo for All is a worldwide movement that provides immediate benefit to the world. We will also link the ideas from Maps and Sustainable Development Goals to our **Vision 2030 for Open Geospatial Science [3]** as there are also lot of synergies and will add momentum for our vision for Open Geospatial Science. **We aim to create openness in Geo Education for developing creative and open minds in students which is critical for building open innovation and contributes to building up Open Knowledge for the benefit of the whole society and for our future generations.**

We are looking forward to building strong research and teaching collaborations worldwide in Open Geospatial Science. We are proud to honor Sergio as our GeoAmbassodor, and we are extremely grateful for his contributions to Geo for All.

Best wishes,
Suchith Anand

[1] http://icaci.org/maps-and-sustainable-development-goals/

[2]http://opensourcegeospatial.icaci.org/2016/07/sharing-is-caring-why-openness-is-key-for-true-empowerment-and-sustainability/

[3]http://opensourcegeospatial.icaci.org/2016/06/open-consultation-on-the-vision-2030-for-open-geospatial-science/

4. Conferences

Asia

November 2016

1. 28-30 November, 2016. 2nd International Conference on Remote Sensing Technologies and Applications (ICRSTA 2016). More details at http://www.engii.org/ws2016/Home.aspx?ID=819

March 2017

2. 20-21 March: Global Forum for Innovations in Agriculture (GFIA)
Deadline August 31st. Abu Dhabi National Exhibition Centre, UAE. More details here

Africa

October 2016

3. 24-28 October: 11th International Conference of the African Association of Remote Sensing of the Environment

Hotel Africana Plot 2-4 Wampewo Avenue, P.O. Box 10218, Kampala, Uganda
For more information: View Summary (http://goo.gl/VYR8cd)

Europe

October 2016

4. 12-16 October: Open Source Geospatial Research and Education Symposiun 2016

Venue: Palazzo Cesaroni - Piazza Italia, Perugia, Italy.

5. 20-22 October: International Association of the Study of the Commons (3rd IASC Conference on Knowledge Commons).

Venue: Institut d'Etudes Politiques de Paris (Sciences Po), Ecole de droit, 13 rue de l'Université, Paris.

November 2016

6. November 30th to December 2nd: "Know the territory. Manage the reality".

12th International gvSIG Conference: http://www.gvsig.com/es/eventos/jornadas-gvsig/12as-jornadas-gvsig

Venue: School of Engineering in Geodesy, Cartography and Surveying (Polytechnic University of Valencia), Valencia, Spain

March 2017

7. 21 March: 1st International Workshop on Big Geo Data Quality and Privacy (BIGQP 2017)
Venue: Venice, Italy
http://www-etis.ensea.fr/BigGeoQ-UP/BIGQP2017

8. 21-24 March: EDBT/ICDT Joint Conference
Venue: Venice, Italy
http://edbticdt2017.unive.it/
IMPORTANT DATES
Paper submission:November 14, 2016
Notification of acceptance:December 20, 2016
Camera-ready version:January 14, 2016

July 2017

9. 10-14 July: XVI Biennial IASC global conference . Practicing the Commons

Venue: Utrecht, the Netherlands

North and Central America and the Caribbean

October 2016

10. 2-5 October: 69th Canadian Geotechnical Conference

Vancouver, British Columbia, Canada.

11. 20-21 October: Mississippi Geospatial Conference

Long Beach, Mississippi, USA.

July 2017

12. 2-7 July: 28th International Cartographic Conference (ICC) of the International Cartographic Association.

Washington, DC, USA
Submissions are due October 26, 2016

South America

October 2016

13. 20 October: The Uruguayan gvSIG Community is organising the 4th Free and Open Source Geographic Information Technologies Conference.
Venue: Montevideo, Uruguay

More details at
http://www.gvsig.com/en/eventos/jornadas-lac/2016

14. 20-21: 8as Jornadas de Latinoamérica y el Caribe de gvSIG:
http://www.gvsig.com/es/eventos/jornadas-lac/2016
Los objetivos de las 8as Jornadas de Latinoamérica y Caribe de gvSIG son:

- Reunir a toda persona interesada en las Tecnologías Libres de Información Geográfica (TIG libres)

- Intercambiar experiencias en el uso y desarrollo de herramientas de TIG libres, así como en la creación, intercambio y uso de datos geográficos abiertos

- Congregar y fortalecer a la Comunidad gvSIG Uruguay, así como difundir el uso de esta herramienta, que junto a otras de uso libre, han contribuido al acercamiento de la información geográfica a la ciudadanía en general.

Desde la Comunidad gvSIG se proponen los valores de colaboración y conocimiento compartido como fundamentales en el desarrollo del proyecto e indispensables para su sostenibilidad. En tal sentido se organiza este evento que representa también la cuarta reunión de usuarios y desarrolladores de gvSIG formalmente organizada en Uruguay.

5. Webinars

➢ Thanks to Rafael Moreno, Department of Geography and Environmental Sciences, University of Colorado Denver, the Network is informed about the new **webinar collaborations** with the University Consortium for GIS (UCGIS), and the The American Society for Photogrammetry and Remote Sensing (**ASPRS**).

1. The Department of Geography and Environmental Sciences will coordinate with ASPRS for 2-3 webinars of their yearly webinar offerings.

2. For these 2-3 webinars they will post the Geo4All webinar offering in the ASPRS webinars calendar and promote them with their members and mailing lists.

3. For these 2-3 webinars the Department of Geography and Environmental Sciences will use the ASPRS webinars system. They will record webinar, create MP4 video recording and give it to GeoForAll Network for posting in the Geo4All Webinars YouTube Channel. They will also post the recording in the ASPRS YouTube channel. Their webinar broadcast system supports up to 500 participants and usually they have over 100 people attending.

4. The ASPRS webinars usually take place final Friday of every month around noon. The Department of Geography and Environmental Sciences will select dates for the join webinar preferably out of the summer months when many members and audience of the Geo4All community are out.

➢ Tangible Landscape: open source environment for geospatial learning, science, and community engagement.

The first webinar of the academic year in **August 31 Wednesday at 6 PM GMT**

It is the first join event with:

ASPRS (American Society of Photogrammetry and Remote Sensing) and

UCGIS (University Consortium for Geographic Information Science)

Please check the announcement with abstract: http://www.geoforall.org/webinars/

Presented by Helena Mitasova, Anna Petrasova, Brendan Harmon, Vaclav Petras, Payam Tabrizian, Ross Meentemeyer Center for Geospatial Analytics, North Carolina State University

➢ **gvGIS Webinars Available:**

https://blog.gvsig.org/2016/08/03/the-video-of-the-getting-started-with-gvsig-webinar-is-now-available/

This webinar was oriented to see the main functionalities of gvSIG: how to configure settings, create a view and add layers, apply symbology and labelling, reproject layers, manage tables, and create a thematic map.

6. Courses

- Triangle Area GIS is a "collaboration site for multidisciplinary GIS users in the Triangle" area of North Carolina. They offer free webinars throughout the year in many GIS and mapping areas, as well as paid training and group meeting planning space.
- Free OnLine courses from ESA. More details at https://www.futurelearn.com/partners/esa/
- Here are some courses in spanish and portuguese for the gvSIG certification:

  a) http://web.gvsig-training.com/index.php/es/quienes-somos-2/noticias-2/151-cursos-de-gvsig-postgis-i3geo-y-geoprocesamiento-avanzado-en-espanol-y-portugues

  b) http://www.gvsig.com/es/servicios/certificacion

  c) https://blog.gvsig.org/2016/06/21/servicios-de-formacion-en-la-asociacion-gvsig/

7. Training programs

- GeoForAll educational inventory system, a place to search and share educational materials: http://www.osgeo.org/educational_content
- https://blog.gvsig.org/2016/08/02/as-a-reminder-webinar-getting-started-with-gvsig/
- https://blog.gvsig.org/2016/08/10/video-of-the-vector-editing-3d-view-and-other-tools-in-gvsig-webinar-available/ This webinar was about how to edit vector layers and use geoprocessing tools, how to export the elements of a vector file in gvSIG to KML format and load it in Google Earth and how the 3D extension works.
- GEOCAMP

October 22nd, the Geocamp is organized in Barcelona. More information at http://geocamp.es/

In Spanish.

Venue: Convent de Sant Agustí in Barcelona.

El Instituto Panamericano de Geografía e Historia (IPGH) and the Banco de Desarrollo de América Latina (CAF) will organize the 5th Prize Geosur, to most important initiatives in the field of geoinformation to the organisations involved in Programa GeoSUR. Candidates can write, before 30th September, to the e-mail: secretariageneral@ipgh.org.
Basis are in:
http://www.ipgh.org/geosur/PremioGeoSUR-2016.html

10. New free and open software, open data, etc.

1. Version 10.0 of the OSGeo-Live GIS software collection has been released and can be downloaded from: https://sourceforge.net/projects/osgeo-live/files/10.0/

Picking the right image for you:

osgeo-live iso: 3.9 GB

A Lubuntu based bootable image, which can be copied to an 8 Gig USB thumb drive (faster and recommended) or DVD (cheaper). It can also be used to build a virtual machine from scratch.

osgeo-live-vm: 3.3 GB

This is a pre-made virtual machine (.vmdk), based on osgeo-live, suitable for use in VirtualBox, VMWare, KVM and other virtual machine applications. It has been compressed using 7-Zip.

amd64 or i386 architecture

ISO images are available for recent amd64 hardware (recommended) as well as older i386 hardware.

md5 checksum

You can use the md5 checksum to verify the image downloaded successfully.

System Requirements

Minimum suggested system resources: 1 GB RAM (2 GB are better for trying Java based applications), 1GHz i386 or amd64 compatible CPU. No hard drive

required. Mac users will benefit from a 3-button USB mouse.

- gvSIG 2.3 RC2 is now available: https://blog.gvsig.org/2016/08/10/gvsig-2-3-rc2-is-now-available/

2. PostGIS 2.3.0 and pgRouting 2.3.0 have been released. This is the first version to utilize the parallel support functionality introduced in PostgreSQL 9.6.

Download: http://download.osgeo.org/postgis/source/postgis-2.3.0.tar.gz

HTML docs: http://download.osgeo.org/postgis/docs/doc-html-2.3.0.tar.gz

pdf doc download: http://download.osgeo.org/postgis/docs/postgis-2.3.0.pdf

Changelog: https://svn.osgeo.org/postgis/tags/2.3.0/ChangeLog

3. gvSIG 2.3 is now available.

Download: http://www.gvsig.com/en/products/gvsig-desktop/downloads

Project Blog: https://blog.gvsig.org/?s=gvSIG+2.3

Join a mailing list: http://www.gvsig.com/en/community/mailing-lists

11. Free Books, educational materials, etc.

- FOSS4G 2016: gvSIG Video recordings: https://blog.gvsig.org/2016/08/26/foss4g-2016-gvsig-video-recordings-1/
- Free book in Spanish about environmental teledetection and observation of Earth from space at http://www.tysmagazine.com/libro-gratuito-teledeteccion-ambiental-la-observacion-la-tierra-desde-espacio/
- Free gvSIG Tutorial in English: Analyzing skatepark location in New York city in relation with graffiti cleaning complaints using gvSIG

There's a new free tutorial about gvSIG in English, provided by Marwa Hassan, from Abu-Dhabi (United Arab Emirates).

This new document is a project that analyzes if skatepark location in New York city are related to graffiti cleaning complaints, using geoprocessing tools in gvSIG.

Two different documents are provided:

A short document where only the tools to do that analysis are used.

A long tutorial where that analysis is complemented with other tools, and almost all the main gvSIG functionalities are used in it (layouts, geoprocessing, symbology, labelling, editing tools…).

At the beginning there's a section where how to download the cartography is explained.

Downloads are available here: Long document–Short document.

12. Articles

Abbreviations

by **Nikos Lambrinos**, Chief Editor
Department of Primary Education, Aristotle University of Thessaloniki, Greece

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

CEOS: Committee on Earth Observation Satellites

CLGE: The Council of European Geodetic Surveyors

COGO: Coordinate geometry

CRS: Coordinate Reference System

CSA: Canadian Space Agency

DAAC: Distributed Active Archive Center (of NASA)

DEM: Digital Elevation Model

DWG: Design file format

DXF: Drawing Interchange File

ECMWF: European Center for Medium range Weather Forecasting

EOS: Earth Observation Science

EOSDIS: Earth Observing System and Data Information System

EPSG: European Petrol Survey Group (used in projection IDs)

ESA: European Space Agency

EUROGI: European Umbrella Organisation for Geographic Information

EuroSDR: European Spatial Data Research

FOSS: Free and Open Source Software

FOSS4G: Free and Open Source Software For Geospatial

GCP: Ground Control Point

GloFAS: Global Flood Awareness System

GNSS: Global Navigational Satellite System

GPS: Global Positioning System

GPX: GPS Exchange Format

HOT: Humanitarian OpenStreetMap Team

ICA: International Cartographic Association

ICSU-WDS: International Council for Science – World Data System

INSPIRE: Infrastructure for Spatial Information in Europe

ISPRS: International Society for Photogrammetry and Remote Sensing

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

LiDARL: Light Detection and Ranging

LOC: Local Organizing Committee

LOD: Level Of Detail

MIL: Media and Information Literacy

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

RDA: Research Data Alliance

RCMRD: Regional Centre for Mapping of Resources for Development

ROSHYDROMET: Russian Federal Service for Hydrometeorologyand Enviromental Monitoring

SDI: Spatial Data Infrastructure

SQL: Structured Query Language

STSM: Short Term Scientific Missions

TIN: Triangulated Irregular Network

UAV: Unmanned Aerial Vehicle

USGIF: United States Geospatial Intelligence Foundation

WCS: Web Coverage Service

WFS: Web Feature Service

WGCapD: Working Group on Capacity Building and Data Democracy

WGS: World Geodetic System

WMO: World Meteorological Organization

WMS: Web Map Service

WMTS: Web Map Tles Servises

WPS: Web Processing Service

15. Awards

- Jeff McKenna wins 2016 Sol Katz Award for Community Leadership.

Jeff McKenna, the past president of the OSGeo foundation and the co-founder of the international

FOSS4G conference, was honored with the 2016 Sol Katz Award for Geospatial Free and Open Source Software during closing ceremony of the FOSS4G-2016 conference in Bonn, Germany.

More details at http://www.directionsmag.com/pressreleases/jeff-mckenna-wins-2016-sol-katz-award-for-community-leadership/474711

Congratulations Jeff and thank you for your endless support.

17. Ideas / Information

1. There is a new YouTube channel where we will be posting the Geo4All webinar recordings and other related videos. Subscribe to it (click on red button on right hand side). Check it out: YouTube Channel

https://www.youtube.com/channel/UCL1E2akvCNWP_nC0p5CpB8g

2. Call for Papers for a JSTARS Special Issue on "Advances in Agro-geoinformatics Research and Applications"

Full paper submission deadline: October 15, 2016

More info at: http://www.grss-ieee.org/wp-content/uploads/2016/04/Call_for_Paper_ArgoGeoinformatics2016.pdf

3. GEOSUR

El Instituto Panamericano de Geografía e Historia (IPGH) and the Banco de Desarrollo de América Latina (CAF) will organize the 5th Prize Geosur, to most important initiatives in the field of geoinformation to the organizations involved in Programa GeoSUR. Candidates can write, before 30th September, to the e-mail: secretariageneral@ipgh.org.

More details at: http://www.ipgh.org/geosur/PremioGeoSUR-2016.html

4. UNESCO MAB Young Scientists Awards: helping young people help the planet

http://www.unesco.org/new/en/natural-sciences/environment/ecological-sciences/man-and-biosphere-programme/awards-and-prizes/mab-young-scientists-awards/

Since 1989 MAB has been providing 10 young researchers each year with awards of up to US$ 5,000 in support of their research on ecosystems, natural resources and biodiversity. Through the MAB Young Scientists Awards, MAB is investing in a new generation of scientists worldwide because we think well-trained and committed young people are key to addressing ecological and sustainability issues.

The deadline for submission of application forms for the 2017 MAB Young Scientists Awards is 31 October 2016.

5. PEC University of Technology, Chandigarh, India http://www.pec.ac.in/ as our new OSGeo lab. PEC University of Technology, formerly known as Punjab Engineering College, is an engineering institute located in the city of Chandigarh, India. Founded in 1921, it is one of the oldest educational institutes in India.

OSGeo Lab at PEC shall help the UN 2030 agenda for Sustainable Development for building a better world. This lab shall have following specific objectives:

a) To promote open-source geospatial software, open data, open standards in the nearby geographic locations.

b) To provide training and expertise in the geospatial field.

6. Information from Maria Antonia Brovelli

The Horizon 2020 funded European Gravity Service for Improved Emergency Management project (EGSIEM - more information available at www.egsiem.eu) aims to enhance existing gravity field products by providing them in an increased spatial-temporal resolution for improved forecasting and mapping of hydrological extreme events, thereby accelerating earth and environmental science research applications.

A student challenge has been organized within the EGSIEM project, in order to increase awareness among B.Sc. and M.Sc. students about the most recent and important research topics in geodesy, hydrology and other environmental disciplines. The challenge will seek to widen knowledge and participation by providing an overview of what, why and how research in this field is undertaken. The challenge is composed of two rounds; the first round is based on 20 multiple-choice questions. Students from relevant fields should be able to answer all the questions with the help of online/offline resources. Any participants who can answer at least 15 of the 20 questions will be invited to participate in the second round. The second round is composed of another 20 questions which will require a written answer. While participating in both rounds students will learn more about the fundamentals of earth observation satellite missions, measurement principles, accuracy of measurements, the importance of Earth's gravity field data, and finally how we utilize GRACE based mass-transport as an indicator for drought/flood monitoring and management.

The best two participants from the overall challenge will be awarded an internship at one of the eight research institutes of the EGSIEM consortium. Internships could be from 6 to 8 weeks. The students will be awarded their travel expenses, accommodation, health, accident and personal liability insurance. The third and fourth placed participants will be given scholarships for the EGSIEM summer school. The scholarship covers travel expenses, accommodation, health, accident and personal liability insurance. In addition, all students successfully passing the 1st round will be awarded with a certificate of participation in the EGSIEM challenge and an EGSIEM travel mug.

This unique challenge is available at: http://challenge.egsiem.eu/. Students should register for the 1st round of the challenge by 10th November. The second round will commence on 15th November and the deadline to answer these questions will be 20th December (all times until midnight, central European time). After successful registration a link to the challenge questions will be sent to the participants registered email address within 24 hours.