

# GeoForAll

Monthly Newsletter



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## Be part of "Geo for All"

### 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. (<http://www.meetup.com/OttawaOSGeo/>).

- Thanks to David Alvarez from ASPRS for putting together this webinar.

**Friday January 27, 2017 5:00 PM (GMT)** - Open Source Statewide Lidar Visualization in Web Browsers. Howard Butler

**Abstract:**

The sophisticated 3D capabilities of modern web browsers can deliver visualization and interaction of large scale point clouds. Presenter, Howard Butler, describes open source software that enables browser-based interaction of large scale point cloud collections.

He describes software and techniques for making point cloud data available on the web, and he discusses challenges of point cloud data organization, compression, and access. Howard Butler is the owner of Hobu, Inc., a software consultancy located in Iowa City, Iowa, USA, that focuses on open source software for lidar and point clouds. He leads development of PDAL, the Point Data Abstraction Library, an open source library that provides a common data content API for various point cloud data formats and services. He has been an ASPRS and ASPRS LAS Committee member since 2009, and he has been involved in open source software development in the GIS and geospatial domain for more than 15 years. He is a leader in numerous open source projects including GDAL, MapServer, Rtree, libLAS and libspatialindex, and he is a contributing author to the GeoJSON specification, a widely used simple data format/transport for geospatial data.

You can find also webinar posting in the ASPRS and Geo4All webinar series websites:

- <https://www.asprs.org/gisd-division/geobytes.html>
- <http://www.geoforall.org/webinars/>



## Editorial Board

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

<b>Chief Editor</b> 	<p>Nikos Lambrinos, Professor, Dept. of Primary Education, Aristotle University of Thessaloniki, Greece.          President of the Hellenic digital earth Centre of Excellence  <a href="mailto:labrinos@eled.auth.gr">labrinos@eled.auth.gr</a></p>	Oceania
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<b>Co-editor</b> 	<p>Seraphim Alvanides, Reader (Geographical Information Science) Northumbria University, Newcastle NE1 8ST, United Kingdom.  <a href="mailto:s.alvanides@gmail.com">s.alvanides@gmail.com</a></p>	Scandinavian countries, Denmark, Germany, Austria, Switzerland, UK, Ireland, Iceland
<b>Co-editor</b> 	<p>Antoni Perez Navaro, Associate Professor at Universitat Oberta de Catalunya (UOC) Computer Sciences and Multimedia Department  <a href="mailto:aperezn@uoc.edu">aperezn@uoc.edu</a></p>	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
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<b>Production Designer</b> 	<p>Nikos Voudrillis, MSc, PhD in geography education.  <a href="mailto:nvoudrillis@gmail.com">nvoudrillis@gmail.com</a></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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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](mailto:geoforall-teachertraining@lists.osgeo.org)

➤ Website: [http://wiki.osgeo.org/wiki/GeoForAll\\_TeacherTraining\\_SchoolEducation](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](mailto:geoforall-spanish@lists.osgeo.org)

➤ Website: [http://wiki.osgeo.org/wiki/GeoForAll\\_Spanish](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](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>



## 2. Lab of the Month

### Open Source Geospatial Lab, Belgrade, Serbia

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 the Open Source Geospatial Lab of The Department of Geodesy and Geoinformatics of the Faculty of Civil Engineering, University of Belgrade, as our “GeoForAll” lab of the month. The Department has been actively using open source software in education of geodetic engineers at the undergraduate, graduate, and PhD studies. A large number of bachelor's, master's, and doctoral theses have been created using open source software. Additionally, a significant number of scientific papers written by members of the department have also been published using open source software. The development of the Laboratory for development of open source geospatial technologies – OSGL Belgrade at the Department of Geodesy and Geoinformatics – seemed like the logical next step in the process of promotion and cultivation of an open source approach to the improvement of teaching and research at the University of Belgrade. In addition to intensive use of open source in BSc and MSc courses, there is an example of contribution to open source community from Luka Glušica, an OSGL Belgrade member and master's student of the Geoinformatics module at the Department of Geodesy and Geoinformatics who has received the Google Summer of Code scholarship. Luka is currently working on his master's thesis in the field of Information Technologies in Cartography at OSGL

Belgrade, under the mentorship of [Dr. Milan Kilibarda](#). Luka works on the development of JavaScript framework that will allow developers to easily implement *istSOS* functionality in existing or new web applications. (More details here: <https://webpractice-lukag.github.io/istSOS-Web-API/>)

In addition to their teaching obligations, members of OSGL lab are also involved in national and international scientific and innovation projects. One of the ongoing projects is APOLLO, the EU-funded HORIZON 2020 project aiming to develop a market-ready platform of agricultural advisory services for primarily, but not exclusively, smallholder farmers in Europe. The APOLLO project aims to bring benefits of precision agriculture to farmers through affordable information services, making extensive use of free and open Earth Observation data, such as those provided by the European Union's Copernicus programme. These services will help farmers to make better decisions by monitoring growth and health of crops, providing advice on when to irrigate and till their fields, and estimating the yields. Ultimately, these interventions should lead to decreased costs and higher yields, and therefore increased profitability and competitiveness. (<http://apollo-h2020.eu/>)

The recently completed Serbian research data portal which was developed under Danube Data and Services Infrastructure (DRDSI) project was also made at OSGL Belgrade using *open source* Geonetwork (<http://osgl.grf.bg.ac.rs/en/services/geonetwork/>).

*“The purpose of the work within the Serbian research data portal is to establish a ‘local node’ for the DRDSI in Serbia and to explore how this approach could be adopted by key actors in the country. This work created a ready and sustained means to harvest metadata using an Open Data approach, based on the technologies used by the DRDSI platform. In addition, it acts as a demonstrator for other organisations to share data by documenting the approach and experience gained, creating further content for the DRDSI Platform.”* (from: Data Infrastructures in Support of Macro-Regional Development. Experiences and Lessons Learned from the Danube Region; EUR 28297 EN; doi:10.2791/42047 )



Many workshops and conferences were also organised by OSGL Belgrade. Some examples are below:

GeoMLA: Geostatistics and Machine Learning Applications in Climate and Environmental Sciences; (<http://geomla.grf.bg.ac.rs/>)

WorldDailyMeteo: space-time interpolation of daily meteorological variables at 1 km resolution; (<http://dailymeteo.org/2014>), followed by Special issue in *Spatial Statistics*

Spatial and spatio-temporal modeling of meteorological and climatic variables using Open Source software (<http://www.sciencedirect.com/science/article/pii/S221675315000536>)

R+OSGeo in higher education ([http://geostat-course.org/R\\_OSGeo\\_in\\_Education\\_Belgrade](http://geostat-course.org/R_OSGeo_in_Education_Belgrade))



OSGL Belgrade core team from left: Nemanja Branislavljetic, Dragutin Protic, Branislav Bajat, Milan Kilibarda, Ognjen Antonijevic, Luka Glusica, Aleksandar Sekulic

The GeoForAll lab in University of Belgrade welcomes collaborations from all interested and for making contributions to the wider society. More details at <http://osgl.grf.bg.ac.rs/en/>

On behalf of the GeoForAll community, we thank Dr. Milan Kilibarda and all colleagues from the University of Belgrade for their contributions to the GeoForAll 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

### Dr. Rafael Moreno-Sanchez

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

Dear colleagues,

It is my great pleasure to introduce **Dr. Rafael Moreno-Sanchez** as our GeoAmbassador. Rafael is currently working at the Department of Geography and Environmental Sciences at the University of Colorado Denver, USA. He has a bachelor degree in forestry from the Chapingo Autonomous University in Mexico. He received his Ph.D. in Natural Resources Management from Colorado State University in the USA. Before joining academia full time in 1996, he was a researcher for the National Institute for Forest, Livestock, and Agriculture Research (INIFAP) in Mexico; Director of the National Center for Disciplinary Research in Conservation and Improvement of Forest Ecosystems INIFAP (Mexico); and Post-Doctoral Fellow with the Organization of American States, SEMARNAP, in collaboration with the University of Western Ontario (Canada). He has been teaching full time since 1996 in the areas of natural resources management, sustainable development, and geographic information science and technology. He is currently in the Department of Geography and Environmental Sciences at the University of Colorado Denver.



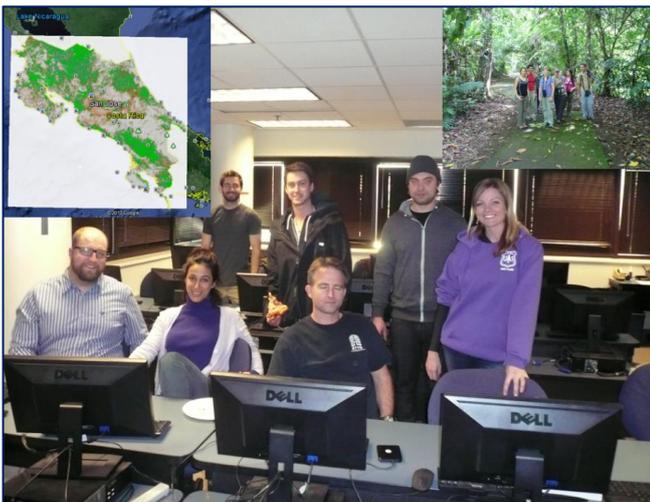
Dr. Rafael Moreno-Sanchez



Rafael Moreno led the effort to establish the FOSS4G lab which opened in 2014 in the Department of Geography and Environmental Sciences at the University of Colorado (UC Denver) (<https://geospatial.ucdenver.edu/foss4g/home-2>).



Since then, four new courses fully dedicated to FOSS4G have been created. These courses add to the already existing geographic information system science and technology (GISc&T) courses that use FOSS4G exclusively or for parts of their content. Currently UC Denver offers a total of 38 courses that are core or applied GISc&T. In the fall of 2016, a Certificate in FOSS4G was formally approved by the university Educational Policies and Curriculum Committee. The university is planning to offer this certificate fully online starting in the fall of 2018. Currently the UC Denver FOSS4G lab coordinates the webinar series [1] for Geo4All labs network [2]. A new GIS science and technology research lab at UC Denver opened this spring semester and will incorporate teaching, research, and service activities in FOSS4G.



Activities at FOSS4G lab, UC Denver

Geo for All is committed to work toward the vision of the United Nations 2030 Agenda for Sustainable

Development for building a better world for everyone. 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. [3]

**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 as there are also lot of synergies and will add momentum for our vision for Open Geospatial Science [4]. 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 honour Rafael as our GeoAmbassador, and we are extremely grateful for his contributions to Geo for All.

Best wishes,

Suchith

[1] <http://www.geoforall.org/webinars/>

[2] [http://wiki.osgeo.org/wiki/Edu\\_current\\_initiatives](http://wiki.osgeo.org/wiki/Edu_current_initiatives)

[3]

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

[4]

<http://opensourcegeospatial.icaci.org/2016/06/open-consultation-on-the-vision-2030-for-open-geospatial-science/>



## 3. Events

- An OSGeo code sprint is going on from February 6 through 10 in Daytona, Florida, USA. More details available here: [https://wiki.osgeo.org/wiki/Daytona Beach Code Sprint 2017](https://wiki.osgeo.org/wiki/Daytona_Beach_Code_Sprint_2017)
- There will be a Free and Open Source GIS one day meeting happening in Knoxville, TN, USA, on 19 May 2017 at the University of Tennessee in Knoxville. More information available here: <https://wiki.osgeo.org/wiki/KnoxfoSS4G20170519>

## 4. Conferences

### Asia

#### March 2017

1. 20-21 March: Global Forum for Innovations in Agriculture (GFIA)  
Deadline August 31st. Abu Dhabi National Exhibition Centre, UAE. More details [here](#)

### Africa

#### June 2017

2. 27-30: [OSS4G Southern Africa overlap with GeoforAll + SAGTA conference](#)

Venue: Johannesburg South Africa

A draft programme is at <https://ggis.org.za/events/foss4g-southern-africa-and-ggis-user-group-conference/>

### Europe

#### March 2017

3. 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>

4. 21-24 March: EDBT/ICDT Joint Conference

Venue: Venice, Italy

<http://edbticdt2017.unive.it/>

#### April 2017

5. 23-28 April: [European Geosciences Union General Assembly 2017](#).

Venue: Vienna – Austria

#### July 2017

6. 10-14 July: XVI Biennial IASC [global conference Practicing the Commons](#)

Venue: Utrecht, the Netherlands.

### North and Central America and the Caribbean

#### February 2017

7. 22-24 February: [North Carolina GIS Conference](#)  
Raleigh, North Carolina, USA.

#### March 2017

8. 20-24 March: [The World Bank Land and Poverty Conference 2017: Responsible Land Governance - Toward an Evidence Based Approach](#)  
Washington, DC, USA.

#### July 2017

9. 2-7 July: 28th International Cartographic Conference (ICC) of the International Cartographic Association.

Washington, DC, USA

#### August 2017

10. 14-19: [FOSS4G Boston](#).

Boston, Massachusetts, USA.

Registration and call for papers opens February 1



## 6. Courses

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- A free course in Spanish for introduction to cooperation to development:  
<https://formacion.isf.es/curso/introduccion-los-sig-para-la-cooperacion-al-desarrollo/>

## 7. Training programs

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- GeoForAll educational inventory system, a place to search and share educational materials:  
[http://www.osgeo.org/educational\\_content](http://www.osgeo.org/educational_content)

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

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- PostGIS 2.2.5 is now available. The focus is on bugs and breakages. You can download source and documentation from the following links:  
Source:  
<http://download.osgeo.org/postgis/source/postgis-2.2.5.tar.gz>  
HTML docs:  
<http://download.osgeo.org/postgis/docs/doc-html-2.2.5.tar.gz>  
PDF Docs:  
<http://download.osgeo.org/postgis/docs/postgis-2.2.5.pdf>  
EPUB Docs:  
<http://download.osgeo.org/postgis/docs/postgis-2.2.5.epub>  
ChangeLog:  
<https://svn.osgeo.org/postgis/tags/2.2.5/ChangeLog>  
Please report bugs that you find in this release here: <http://postgis.net/support>

## 11. Free Books, educational materials, etc.

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- Free PDF downloads of introductory how-to guides related to GIS from the “for Dummies” series available here: <http://monde-geospatial.com/10-geospatial-e-books-for-dummies-to-download/>
- Spanish free book about spatial analysis:  
<https://dialnet.unirioja.es/servlet/libro?codigo=667265>

## 12. Articles

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### 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](mailto: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

BIM: Building Information Modelling

CAADP: Comprehensive African Agricultural Development Programme

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	LOD: Level Of Detail
DAAC: Distributed Active Archive Center (of NASA)	MIL: Media and Information Literacy
DEM: Digital Elevation Model	MoU: Memorandum of Understanding
DWG: Design file format	NAD: North American Datum
DXF: Drawing Interchange File	NEPAD: NEw Partnership for African Development
ECMWF: European Center for Medium range Weather Forecasting	NGA: National Geospatial Intelligence Agency
EOS: Earth Observation Science	OER: Open Educational Resources
EOSDIS: Earth Observing System and Data Information System	OGC: Open Geospatial Consortium
EPSG: European Petrol Survey Group (used in projection IDs)	OSGeo: Open Source Geospatial Foundation
ESA: European Space Agency	OSM: OpenStreetMap
EUROGI: European Umbrella Organisation for Geographic Information	RCMRD: Regional Centre for Mapping of Resources for Development
EuroSDR: European Spatial Data Research	ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring
FOSS: Free and Open Source Software	RUFORUM: Regional Universities Forum for capacity building in agriculture
FOSS4G: Free and Open Source Software For Geospatial	SDI: Spatial Data Infrastructure
GCP: Ground Control Point	SQL: Structured Query Language
GloFAS: Global Flood Awareness System	STISA 2024: Science Technology Innovation Strategy for Africa
GNSS: Global Navigational Satellite System	STSM: Short Term Scientific Missions
GPS: Global Positioning System	TIN: Triangulated Irregular Network
GPX: GPS Exchange Format	UAV: Unmanned Aerial Vehicle
HOT: Humanitarian OpenStreetMap Team	USGIF: United States Geospatial Intelligence Foundation
ICA: International Cartographic Association	WCS: Web Coverage Service
ICSU-WDS: International Council for Science – World Data System	WFS: Web Feature Service
INSPIRE: Infrastructure for Spatial Information in Europe	WGCapD: Working Group on Capacity Building and Data Democracy
ISPRS: International Society for Photogrammetry and Remote Sensing	WGS: World Geodetic System
JAXA: Japan Aerospace Exploration Agency	WISERD: Wales Institute of Social & Economic Research, Data & Methods
KML: Keyhole Markup Language	WMO: World Meteorological Organization
LiDAR: Light Detection and Ranging	WMS: Web Map Service
LOC: Local Organizing Committee	WMTS: Web Map Tles Services
	WPS: Web Processing Service



## DeepVGI – Deep Learning Volunteered Geographic Information - Combining OpenStreetMap, MapSwipe, and Remote Sensing

by Dr. Alexander Zepft, Professor Institute of Geography, Chair of GIScience (Geoinformatics), Department of Geography, Heidelberg University, Germany

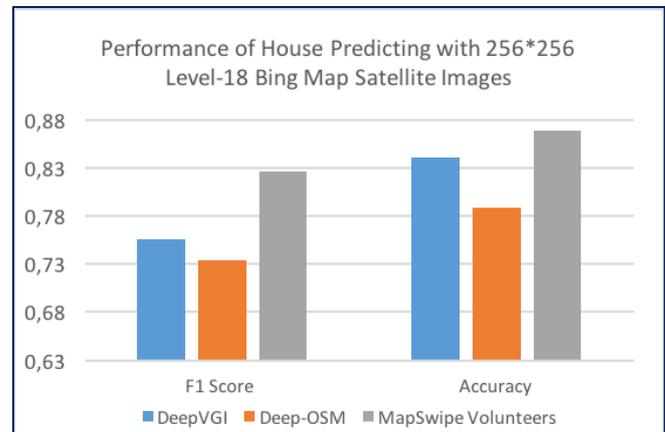
Deep learning techniques, especially Convolutional Neural Networks (CNNs), are now widely studied for predictive analytics with remote sensing images, which can be further applied in different domains for ground object detection, population mapping, etc. These methods usually train predicting models with the supervision of a large set of training examples. However, finding ground truths especially for developing and rural areas is quite hard, and manually labeling a large set of training data is costly. On the other hand, Volunteered Geographic Information (VGI) (e.g., OpenStreetMap (OSM) and MapSwipe) which is geographic data provided voluntarily by individuals, provides a free approach for such big data.

In our project "DeepVGI" we study predictive analytics methods with remotely sensed images, VGI, deep neural networks, as well as other learning algorithms. It aims at deeply learning from satellite images with the supervision of such Volunteered Geographic Information.

VGI data from OpenStreetMap (OSM) and the mobile crowdsourcing application MapSwipe, which allows volunteers to label images with buildings or roads for humanitarian aids, are utilized. We develop an active learning framework with deep neural networks by incorporating both VGI data with more complete supervision knowledge. Our experiments show that DeepVGI can achieve high building detection performance for humanitarian mapping in rural African areas.

Figure 1 shows some initial results of DeepVGI, where OpenStreetMap and MapSwipe data are utilized for training together with multi-layer artificial neural networks and a VGI-based active learning strategy

proposed by us. DeepVGI outperforms Deep-OSM (i.e. deep models trained with only OpenStreetMap data), and achieves close accuracy to the volunteers.



On the other hand, such predictive analytics methods will be applied in geographic applications like humanitarian mapping. It can help improve VGI data quality, save volunteers' time, etc. DeepVGI is also an attempt to explore the interaction between human beings and machines, between crowdsourcing and deep learning. Figure 2 shows the research framework of DeepVGI project, where we will first focus on learning and prediction between deep neural networks and big spatial data (including VGI data from our history OSM project).

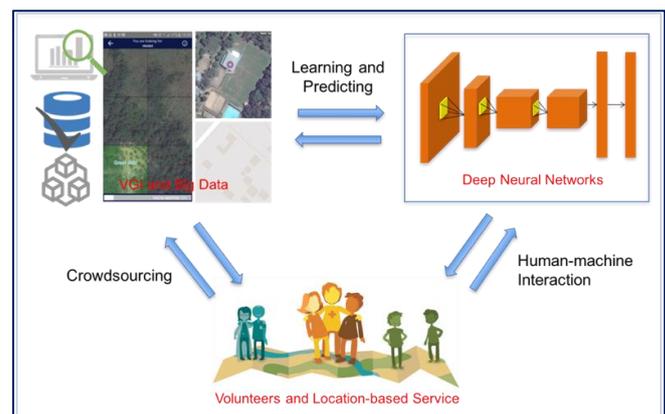


Figure 2 shows the overall Research Framework of DeepVGI

Further details will be made available soon. DeepVGI is a project of the [HeiGIT Big Spatial Data Analytics](#) in cooperation with the [Humanitarian VGI group](#) at HeiGIT. The Heidelberg Institute for Geoinformation Technology (HeiGIT) is currently being established with core funding by the Klaus Tschira Stiftung (KTS) Heidelberg.

More details at [http://www.geog.uni-heidelberg.de/gis/deepvgi\\_en.html](http://www.geog.uni-heidelberg.de/gis/deepvgi_en.html)



## 13. Scholarships for students and staff

1. Unas oportunidades para hacer el doctorado en el Reino Unido para estudiantes latinoamericanos. Los proyectos son:

- Crop modelling for crop performance PhD – Aberystwyth University
- Early warning of crop production problems PhD – Aberystwyth University
- Improving agriculture using radar satellite images – Open University

Candidates must be nationals from a Latin American country and will be based primarily in Milton Keynes, UK. The ability to deliver your PhD research within the project timeframe and flexibility to travel between UK and project locations in Peru/Colombia as part of the international project team are essential. The PhD will start in September 2017 and must be completed by August 2020.

For more information contact [armando.marino@open.ac.uk](mailto:armando.marino@open.ac.uk) by email. Armando Marino is a lecturer in Electronics and Signal Processing within the School of Engineering & Innovation at The Open University.



## 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/UCL1E2akvCNWPnC0p5CpB8g>



2. Estimado(a) Colega/ Dear colleague:

La Unión Nacional de Arquitectos e Ingenieros de la Construcción de Cuba (UNAICC), la Sociedad Latinoamericana de Especialistas en Percepción Remota y Sistemas de Información Espacial (SELPER), la Sociedad de Geociencias y la Química, la Comisión de Hidrografía, Geodesia y Teledetección y la Comisión Nacional de Topografía del frente de Proyectos, organizan la Convención Agrimensura 2017, del 26 al 30 de Septiembre en el Hotel TRYP Habana Libre.

The National Union of Architects and Construction Engineers of Cuba (UNAICC), The Latin American Society of Specialists in Remote Sensing and Spatial Information Systems (SELPER), The Society for Geosciences and Chemistry, The Hydrographic Commission, Geodesy and Remote Sensing (ONHG) and, The National Commission of Surveying in Project Front, have teamed up to organize the VIII Convention of Surveying "Agrimensura 2017", from 26 to 30 September at the Habana Libre Tryp Hotel.

Más información en la web del Evento/ More information on the event website: [www.agrimensuracuba.com](http://www.agrimensuracuba.com)

Saludos Cordiales/ Best regards,  
DrC. Javier A. Crespo Sánchez



Secretario Ejecutivo de Divulgación y Promoción VIII Convención Agrimensura Especialista Ciencia Tecnología y Medio Ambiente

GRUPO EMPRESARIAL GEOCUBA.

3. For those who might be interested in joining the co-Editors team is announced that one of the two positions of Europe's co-Editors is free. Especially the position that is responsible for Scandinavian countries, Denmark, Germany, Belgium, The Netherlands, Poland, Estonia, Latvia, Lithuania, Belarus, Ukraine, Czech Republic, Slovakia. If you are interested please contact Nikos Lambrinos (Chief Editor) at [labrinos@eled.auth.gr](mailto:labrinos@eled.auth.gr) (cc Suchith Anand at [Suchith.Anand@nottingham.ac.uk](mailto:Suchith.Anand@nottingham.ac.uk)).

4. We are glad to announce the 115th member of our network. It is Southern Illinois University Edwardsville, Computer Science Department at Edwardsville, Illinois, USA. Contact person is Mark McKenney ([marmcke@siue.edu](mailto:marmcke@siue.edu)). Welcome Computer Science Department, welcome Mark.

5. For those who would like to do a webinar about FOSS4G for GeoFor All, Rafael Moreno-sanchez ([Rafael.Moreno@ucdenver.edu](mailto:Rafael.Moreno@ucdenver.edu)) collects new proposals.

Great way to showcase your work or ideas, have it recorded, and made available to a broad audience in the Geo4All YouTube Channel.

It is very simple:

- Prepare your slides.
- Tell us about your work/ideas for up to 50 min.
- We record and post to YouTube Channel.
- You can use your webinar recording as a presentation card for introducing your work or ideas.
- Anything that creates excitement and interest about FOSS4G is great.

For example:

- Research, service, or education activities.
- Applications.
- Discussion of issues/ideas, challenges, advantages, regarding the use of FOSS4G, etc...
- "Why I use FOSS4G in my organization?"
- "FOSS4G in country or organization X"
- "How to get started with FOSS4G in X or Y conditions or organization"
- "What would help me to get started with FOSS4G"
- Etc..

