



GeoForAll

Monthly Newsletter



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Be part of "Geo for All"

Editorial



Nikos Lambrinos
 Chief Editor
 Dept. of Primary Education
 Aristotle Univ. of
 Thessaloniki
 Greece

Dear Members of GeoForAll,

We are proud to announce that our Newsletter has become bilingual from this issue. That was a target we had from the first time we established the English version of the Newsletter. The new version is in Spanish and became a reality thanks to a lot of Spanish speaking people. I would like to thank Sergio Acosta Y Lara and the newly established Iberoamerica Group for their initiative to make this happen; Paulo Cesar Coronado from Universidad Francisco José de Caldas, Colombia; and our colleagues from OSGeoLab UD

(<http://comunidad.udistrital.edu.co/osgeolabud/>) who are pleased to collaborate with the translation to Spanish of our newsletter. Also I would like to thank Nikos Voudrislis, our Production Designer, for sharing his job with our colleagues from OSGeoLab UD. The templates he has

formed will be the guide for the production of the Spanish edition which will be identical to the English version. This is because we don't want to have a new Newsletter but an "extension" in Spanish of the existing.

The Spanish version will be uploaded onto the GeoForAll site in pdf and HTML format and you may read or download whichever you want.

I can say that this is a kind of test. We are going to test if we will be able to publish both editions in the same time and with the same quality. If we succeed (it will take time and few issues to find out) then I hope that we may have it in another language as well. As long as we have more volunteers we can produce more.

Finally, there is no "Lab of the Month" article in this issue not because there are no Labs left to introduce, but because it was difficult to have an article in August. Fortunately, there are many Labs which are doing an excellent job for G4A and OSGeo, and we will start introducing them in the next issue.

Have a nice reading,
 Nikos Lambrinos



Editorial Board

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

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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

Iberoamerican Region

Chairs: Sergio Acosta y Lara (Uruguay) and Silvana Camboim (Brazil) and Antoni Pérez Navarro (Spain).
Subscribe at mail list: <https://lists.osgeo.org/mailman/listinfo/geoforall-iberoamerica>

Email: geoforall-iberoamerica@lists.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

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>



1. Activities of the Network

- [Ottawa, Ontario, OSGeo Meetup Group](http://www.meetup.com/OttawaOSGeo/) 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/>).
- Dr. Bastian Drees (The German National Library of Science and Technology (TIB), Communication and Marketing/Competence Center for non-textual Materials, Department for Research and Development) informed our community that they added the videos from FOSS4G 2014 and 2015 to their collection of FOSS4G videos in the AV-Portal. All videos can be found via these links:
2014:<https://av.tib.eu/series/336/foss4g+2014+portland>
2015:<https://av.tib.eu/series/169/foss4g+seoul+2015>
This increases the total number of FOSS4G videos to 658 videos from the years 2013 to 2016 with the videos of 2017 coming soon. Moreover there are 45 “historical” videos from the 2002 FOSS4G predecessor Open Source GIS – GRASS user conference in Trento, Italy, that can be found at:
2002:<https://av.tib.eu/series/291/open+source+gis+grass+user+conference+2002>
All videos are assigned a digital object identifier (DOI) and a media fragment identifier. This allows viewers to cite videos as a whole or single segments separately.
The videos of all FOSS4G Conferences in the AV-Portal are available here:
<https://av.tib.eu/search?f=publisher%3Bhttp://av.tib.eu/resource/FOSS4G>
- The Annual General Meeting slides from FOSS4G Boston are available here:
<http://osgeo.getinteractive.nl/resources/osgeo-agm-2017/>

2. B) GeoAmbassador of the Month

Bridget Fleming



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

Dear Colleagues,

It is my great pleasure to introduce Bridget Fleming from South Africa as our GeoAmbassador of the Month. Bridget Fleming is the regional chair of GeoForAll Africa and has been actively expanding geoeducation opportunities for all. Bridget is a passionate advocate for using Geotechnologies in the classroom. She is the IEB (Independent Examination Board) geography national moderator and has authored a number of textbooks and digital classroom resources. She has recently returned to the classroom after a few years of running a start-up GIS company where she was involved in Geospatial education and training. She is on the National GISSA council (Education portfolio) and is the Chair of the Southern African Geography Teachers' Association (SAGTA). She is presently HOD Geography at St John's College in South Africa.

Bridget is also one of the key organizers behind the success of the recent SAGTA+FOSS4G Africa conference hosted by St John's College in Houghton, Johannesburg. Bridget kindly sent the summary and photos which are included below to give the bigger idea of the amazing work that she and colleagues are doing.



GeoForAll



From 26-30 June 2017 for the SAGTA, OSGeo Africa and the QGIS South Africa User Group held the FOSS4G Africa 2017 conference at the school, hosted by the geography department. GIS is a burgeoning industry and is part of the school curriculum in South Africa. However, many schools do not have the facilities to teach it, and most teachers don't have the training. The first two days of the conference saw over forty geography teachers and academics gather to address these issues, share their insights, and get some hands-on training. GIS is a small component of the curriculum, yet its greatest impact is through using it to teach geography and other subjects. It can play a major role in improving spatial literacy in learners.



On the Tuesday, SASDI (South African Spatial Data Infrastructure) held a successful workshop for fifty GIS professionals, academics and government officials in the Jeffrey auditorium.



Highlights included talks and a workshop by Malcolm McInerney, the Australian keynote speaker; demonstrations of the tangible landscape in Mrs Jones' geography classroom; and hands-on QGIS workshops.





On the Wednesday, another thirty members of the GIS industry arrived for their three-day technical conference, along with seventy members of GIS Society of South Africa (GISSA) for their quarterly general meeting. This was the big day of the conference, intended as an overlap between education and industry. Among several excellent education-related and technical GIS presentations were two panel discussions. In one, educators discussed their requirements and how industry could help. In the other, industry discussed career paths and the skills required from the education system.



The Thursday and Friday saw some technical presentations and six four-hour hands-on workshops. Some adventurous teachers from Mthatha stayed on for this part of the conference! The guest speaker was Stephen Mather from Cleveland, Ohio, who started the OpenDroneMap (ODM) project. Besides the keynote, he presented a workshop on ODM where the class learned how to process images from drones.



Some of the geekier delegates moved off-campus on the Saturday for a GIS software code-sprint at the Johannesburg Centre for Software Engineering in Braamfontein, a great new IT innovation hub opened recently by Wits. More details at <https://foss4g-africa.org/en/home/>

I am sure Bridget and colleagues will expand these ideas for the future. We are looking forward to building strong research and teaching collaborations worldwide in Open Geospatial Science. We are proud to honour Bridget as our GeoAmbassador, and we are extremely grateful for her contributions to GeoForAll.

Best wishes

Suchith Anand

4. Conferences

Asia

September 2017

1. 18-22 September: [WebMGS 2017](#) (during the ISPRS Geospatial Week).

Venue: Wuhan, China.

December 2017

2. 9 December: [SIGOPEN 2017](#) Developmental Workshop for Research on Open Phenomena, collocated with ICIS 2017

Venue: Seoul, South Korea

Submission Date: October 4th

Notification of Acceptance to the Workshop: October 20th

Europe

September 2017

3. 6-8 September: [INSPIRE Conference 2017](#)

Venue: Strasbourg, France

4. 7-8 September: 2nd Geoprogress Global Forum.

International Conference on Sustainability and Energy Issues



Venue: Brussels

For more information write to: info@geoprogess.eu

5. 16 September: [GeoCamp](#)

Venue: Almeria, Spain

6. 25-28 September: [Third Earth Observation Open Science](#) community consultation

Venue: ESRIN (Frascati, Rome, Italy)

October 2017

7. 2-3 October: [2nd International Conference on GIS and Remote Sensing](#)

Theme: Mapping the Future with GIS & Advancement in Remote Sensing

Venue: Vienna, Austria

8. 18-20 October: [gvSIG International Conference](#)

Venue: Valencia, Spain.

Inscription are open

November 2017

9. 20-22 November: 7th National Meeting of Open GIS of Portugal (in Portuguese)

Venue: Porto.

Contact person: Dr. Jorge Gustavo Rocha (jgr@di.uminho.pt)

10. 28-30 November. [BiDS'17](#)

Venue: Centre de Congrès Pierre Baudis, Toulouse, France

June 2018

11. 13-15 June: [21st International AGILE Conference, AGILE 2018](#) "Geospatial Technologies for All".

Venue: Lund, Sweden



October 2018

12. 1-5 October: [ISPRS Com IV Symposium](#)

Venue: Delft, The Netherlands

North and Central America and the Caribbean

September 2017

13. 14-15 September: HOT Humanitarian OpenStreetMap Team Summit 2017

Venue: Ottawa ON, Canada.

More details soon.

14. 19-21 September: Research Data Alliance (RDA) [10th RDA Plenary meeting](#)

Venue: Montreal, Canada.

15. 20-22 September: [AGIC Education and Training Symposium](#)

Venue: Prescott, Arizona, USA

16. 26-30 September: VIII Surveying Convention "AGRIMENSURA 2017"

Venue: Havana Libre Tryp Hotel, Havana. Cuba.

October 2017

17. 4-6 October: [2nd International Conference on Smart Data and Smart Cities](#)

Venue: Puebla, Mexico.

For a pdf in English please write to Sergio Acosta Y Lara (sergio.acostaylara@mtop.gub.uy)

March 2018

18. 19-23 March: 10th International Congress of Geomatics [GEOMÁTICA 2018](#)

Venue: Havana, Cuba

Convention Website:

<http://www.informaticahabana.cu/es>

South America

October 2017

19. 4-6 October: [gvSIG days](#) in Latin America

Venue: Santa María (Rio Grande do Sul – Brasil)

Inscription at

<http://www.gvsig.com/es/eventos/jornadas-lac/2017/inscripcion>



6. Courses

- ECOAQUA 3rd Summer School 2017 in Marine Spatial Planning (Funchal, Madeira Island, Portugal - 4 to 8 September 2017)
<http://ecoaqua.ulpgc.es/Summer2016>
- Learn GIS for free: The complete course
- A beginner level free GIS course is available at the following link: <https://blog.gvsig.org/2017/08/01/learn-gis-for-free-the-complete-course/>. This course uses gvSIG 2.1 to explore GIS tools, concepts, terminology, how to analyze and symbolize data, make your own maps, working with projections, etc.

7. Training programs

- [GeoForAll educational inventory system, a place to search and share educational materials](#)

8. Key Research Publications

From Dr. Suchith Anand, Nottingham Geospatial Institute, University of Nottingham, UK

Dear Colleagues

I would like to invite you to join the GeoForAll AgriGIS thematic that is lead by Dr. Didier Leibovici and Dr. Nobusuke Iwasaki (National Institute for Agro-Environmental Sciences, Japan) and contribute your expertise to globally advance Agriculture knowledge sharing.

Building upon the research that my colleagues and I did for "Geospatial binding for transdisciplinary research in crop science: the GRASPGfs initiative" <http://rdcu.be/uYi6> [1], I would like to invite all interested to join us for expanding AgriGIS research based on open philosophy. Geospatial genetic-trait

variations and associations with environmental forecasting were the main focus of the GRASPGfs. Designing the platform achieving this objective generated a transdisciplinary vision of modeling and forecasting for sustainable agriculture. Based on interoperability principles, seamless access, as well as sharing for data, metadata, and processing models, the design is described in this paper. This geospatial binding facilitates and supports new types of hypotheses and analyses, as illustrated in the paper, with a landscape genetic case study (bambara groundnut) and a crop disease model (eyespot disease). The approach and the eGRASP platform are generic enough to accommodate further complexity into the integrated modeling that this geospatial binding enables.

You can get some overview of GRASP from AgriGIS workshop that we held at Nottingham <https://rd-alliance.org/sites/default/files/AgriGIS2014.pdf>

We are also contributing to RDA's Agriculture Data IG, and I have presented our work at the RDA Agriculture IG sessions looking into Geospatial interoperability in Agriculture research.

https://rd-alliance.org/sites/default/files/GRASP_GFS_for_RDA_Dublin2014.pdf

Geospatial interoperability and open source standards-based GIS and open data will help deliver holistic solutions in geospatial technologies in AgriGIS by enabling the ready integration of separate location-relevant technologies and lowering costs. The expanding range of open source GIS tools and open data will greatly enhance the use of geospatial technologies in agriculture and facilitates the sharing of information across various stakeholders and collaborative work.

BBSRC Funded GRASP is a good example of open philosophy (open source, open standards, open data, open access) in AgriGIS research, and now with over 100 dedicated Open Source Geospatial Labs already established in universities and research organisations around the world as part of the "Geo for All" initiative, we are now expanding research in AgriGIS through our global research labs for this. Please join



us at <https://lists.osgeo.org/mailman/listinfo/geoforall-agrigis> and let us work together to support open principles in agriculture research to deal with the urgent challenge of ensuring world food security.

[1] Leibovici D , Anand S, Santos R, et al. "Geospatial binding for transdisciplinary research in crop science: the GRASPGfs initiative," Open Geospatial Data, Software and Standards (2017) 2:20

DOI 10.1186/s40965-017-0034-3 ; Full paper downed at <http://rdcu.be/uYi6>

9. Funding opportunities

- The call for the third competition of free sig projects is open. There are three categories: for doctoral thesis, final degree projects, and even secondary school projects. More details at: <http://gvsig.edu.umh.es/concurso-catedra-gvsig/>

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

- The Open Source Geospatial Foundation is pleased to announce that Orfeo ToolBox (OTB) has graduated from incubation and is now a full fledged OSGeo project. OTB is an open-source project for state-of-the-art remote sensing. It can process high resolution optical, multispectral, and radar images at the terabyte scale. All of OTB's algorithms are accessible as QGIS plugins or the Monteverdi visualization tool - or for developers Python, command line, or C++. More information at the following links: <http://www.osgeo.org/news/otb-graduation> https://wiki.osgeo.org/wiki/OTB_Project_Incubation_Status

<https://www.loomio.org/d/1Wu715Fh/orfeo-toolbox-graduation>

- Free GIS tool, which can detect and define the unknown projection of a ESRI shapefile. This tool was published last year at FOSS4G 2016 in Bonn. You can find it and test it for free at: <https://www.egger-gis.at/automatic-projection-detection/shapefile-projectionfinder/>. The owner (Manfred Egger from Austria) asks for feedback. You can contact him at manfred@egger-gis.at
- Version 11.0 of the OSGeo-Live GIS software collection (<http://live.osgeo.org>) has been released. This release has been a major reboot, with a refocus on leading applications and emphasis on quality over quantity. Less mature parts of the projects have been dropped with a targeted focus placed on upgrading and improving documentation. More information on the release can be found at <http://www.osgeo.org/node/1809>. Download the OSGeo-Live 11.0 image at <http://live.osgeo.org/en/download.html>
- The GeoMoose team is proud to announce the official 3.0.0 release! [Try the Demo](#) and read the [Quickstarts!](#). The full 3.0.0 documentation can be [found here!](#)

11. Free Books, educational materials, etc.

- [Free book available:](#) "Learning GIS with Game of Thrones" <https://blog.gvsig.org/2017/07/12/learning-gis-with-game-of-thrones-free-book/>
- Number 22 of Spanish journal of science and technology of geographic information. "Revista Internacional de Ciencia y Tecnología de la Información Geográfica" is published in open:



GeoForAll



<http://www.geofocus.org/index.php/geofocus/issue/view/22>

- Free GeoSUR Newsletter Volume 4, No. 5-6-7, 2017 is now available for download in [English](#) and [Spanish](#) version. GeoSUR Newsletter seeks to disseminate GeoSUR Program’s achievements and characteristics as well as events, projects, and best practices for the application of GI in sustainable development and decision making in the region, as part of the Geospatial Data Infrastructure of the Americas.



- AURIN: Australian Urban Research Infrastructure Network
- BIM: Building Information Modelling
- CAADP: Comprehensive African Agricultural Development Programme
- CAD: Computer Aided Design
- CaGIS: Cartography and Geographic Information Society
- CEGIS: Center of Excellence for Geospatial Information Science
- CEOS: Committee on Earth Observation Satellites
- CI: CyberInfrastructure
- CLGE: The Council of European Geodetic Surveyors
- CODATA: Committee on Data for Science and Technology
- COGO: Coordinate geometry
- CRS: Coordinate Reference System
- CSA: Canadian Space Agency
- CUDA: Compute Unified Device Architecture
- DAAC: Distributed Active Archive Center (of NASA)
- DEM: Digital Elevation Model
- DSM: Digital Surface Models
- 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
- EPA: Environmental Protection Agency
- EPSG: European Petrol Survey Group (used in projection IDs)
- ESA: European Space Agency
- ESERO: European Space Education Resource Office
- EUROGI: European Umbrella Organisation for Geographic Information
- EuroSDR: European Spatial Data Research
- FOSS: Free and Open Source Software

12. Articles

Abbreviations

by **Nikos Lambrinos**, Chief Editor, and **Michael Finn**.

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

- 3DEP: 3-D Elevation Program
- AAG: Association of American Geographers
- AGS: American Geographical Society
- AM/FM: Automated Mapping/Facilities Management
- ASPRS: American Society for Photogrammetry and Remote Sensing



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

HPC: high-performance computing

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

LiDAR: 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

NCSA: National Center for Supercomputing Applications

NED: National Elevation Dataset

NEPAD: NEw Partnership for African Development

NGA: National Geospatial Intelligence Agency

NHD: National Hydrologic Dataset

NLCD: National Land Cover Dataset

NSDI: National Spatial Data Infrastructure

NSF: National Science Foundation

OER: Open Educational Resources

OGC: Open Geospatial Consortium

OSGeo: Open Source Geospatial Foundation

OSM: OpenStreetMap

OTB: Orfeo Tool Box

RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring

RUFORUM: Regional Universities Forum for capacity building in agriculture

SaaS: Software as a Service

SDI: Spatial Data Infrastructure

SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain

SQL: Structured Query Language

STISA 2024: Science Technology Innovation Strategy for Africa

STSM: Short Term Scientific Missions

TIN: Triangulated Irregular Network

UAV: Unmanned Aerial Vehicle

UN-GGIM: United Nations Global Geospatial Information Management

USGS: U.S. Geological Survey

USGIF: United States Geospatial Intelligence Foundation

VGI: Volunteered Geographic Information

XSEDE: Extreme Science and Engineering Discovery Environment

WCS: Web Coverage Service

WFS: Web Feature Service

WGCapD: Working Group on Capacity Building and Data Democracy

WGS: World Geodetic System

WISERD: Wales Institute of Social & Economic Research, Data & Methods

WMO: World Meteorological Organization

WMS: Web Map Service

WMTS: Web Map Tiles Services

WPS: Web Processing Service





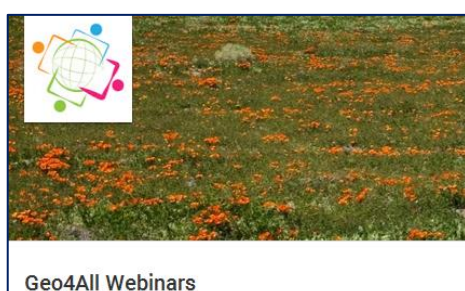
17. Ideas / Information

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. To post your FOSS4G educational information go to <http://www.osgeo.org/education>. There you can find more educational activities posted by members of our community.

3. ISPRS Commission IV

(<http://www.commission4.isprs.org>) is starting the organization of the ISPRS Com IV Symposium, that will take place in Delft, The Netherlands, on October 1-5 2018. It will be jointly organized with 3D Geoinfo (<http://3dgeoinfo2017.com>), 3D Cadastres (<http://www.gdmc.nl/3dcadastres>), and UDMS-SCSD (<http://www.udms.net>).

All the ISPRS Working Groups under Commission IV will meet on that occasion, including our WG IV/4 "Collaborative Crowdsourced Cloud Mapping (C³M)" chaired by Prof. Maria Antonia Brovelli (see the ToR at <http://www2.isprs.org/commissions/comm4/wg4.html>).

As WG IV/4, we are going to organize a one-day event at the Symposium with academic sessions related to the WG topics, and to collect papers (to be published on ISPRS Annals/Archives) accordingly. Optionally, we are also going to organize a workshop with students or professionals.

Despite the meeting happening in more than one year from today, we would like to let you know about it and invite you all to attend. Participation is open to everyone, you don't need to be a member of an ISPRS Commission. Feel free to contact Marco Minghini (marco.minghini@polimi.it) if you need more information.

4. There is an [article on the 2017 FOSS4G Conference](#) in the Directions Magazine where you can find information about the Conference in Boston.

5. We would like to welcome our colleagues from

A) [School of Science & Technology GeoForAll Lab of The University of Fiji](#). Contact persons Professor A B M Shawkat Ali and Edwin Liava'a (shawkata@unifiji.ac.fj; edwinl@unifiji.ac.fj);

B) Laboratorio de Geomática de la Universidad Nacional de Colombia, Sede Bogotá, contact persons Dr. Ivan Alberto Lizarazo Salcedo (ializarazos@unal.edu.co Facultad de Ciencias Agrarias); MSc. Samuel Mesa (femesagi@unal.edu.co Facultad de Ingeniería); and

C) [Centro de Investigación en Recursos Naturales y Sustentabilidad \(CIRENYS\), Universidad Bernardo O Higgins](#) contact persons Aly Valderrama (alyvalderrama@gmail.com) and Carlos Lara (carlos.lara@ubo.cl)

who have joined our GeoForAll Labs community recently as the 118th, 119th, and 120th members, respectively.

