



GeoForAll

Monthly Newsletter



Table of Contents

Editorial
 Editorial Board 2
 1. Activities 1
 2. A) Lab of the month..... 4
 B) GeoAmbassador 6
 3. Events 7
 4. Conferences 7
 5. Webinars 9
 6. Courses
 7. Training programs 10
 8. Key research publications
 9. Funding opportunities
 10. New free and open software, open data 10
 11. Free Books 10
 12. Articles 11
 13. Scholarships for students and staff 13
 14. Exchange programs for students and staff
 15. Awards
 16. Web sites 13
 17. Ideas 13
 18. Social contribution

Be part of "Geo for All"

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/>).
- Currently, nearly 800 million people struggle with debilitating hunger and malnutrition and can be found in every corner of the globe. That's one in every nine people, with the majority being women and children. The Global Open Data for Agriculture and Nutrition (GODAN) [\[https://www.nottingham.ac.uk/genius/documents/godan-uon-intro.pdf\]](https://www.nottingham.ac.uk/genius/documents/godan-uon-intro.pdf) supports the proactive sharing of open data to make information about agriculture and nutrition available, accessible and usable to deal with the urgent challenge of ensuring world food security. A core principle behind

GODAN is that a solution to Zero Hunger lies within existing, but often unavailable, agriculture and nutrition data.

The Netherlands Ministry of Economic Affairs, CABI, GODAN, CTA and Wageningen UR partnered to organise the 3rd Workshop on Creating Impacts with Open Data in Agriculture and Nutrition

[\[https://www.nottingham.ac.uk/genius/documents/godan-uon-intro.pdf\]](https://www.nottingham.ac.uk/genius/documents/godan-uon-intro.pdf). The workshop was hosted at the Ministry of Economic Affairs in the Hague in February, 13-15. Suchith Anand kindly shares the ideas that he presented for the GODAN Capacity Development WG [\[http://www.godan.info/working-groups/capacity-development\]](http://www.godan.info/working-groups/capacity-development) at the Hague meeting.

Details at <https://www.slideshare.net/SuchithAnand/godan-working-group-on-capacity-development>

Anyone interested to join the GODAN WG on Capacity Development and contribute to education and training on Open Data in food and agricultural sciences is welcome. This is open and free to all interested. Join at https://dgroups.org/fao/godan_cd

- New book on QGIS published by Stamatis Kalogirou. It is a short e-book titled "Create a thematic map in 60 minutes: Examples with QGIS". It will help those who have never used QGIS before. Those interested can find it at Amazon in a very low price.

continued on page 4



Editorial Board

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

| | | |
|--|--|---|
| Chief Editor  | <p>Nikos Lambrinos, Professor, Dept. of Primary Education, Aristotle University of Thessaloniki, Greece. President of the Hellenic digital earth Centre of Excellence labrinos@eled.auth.gr</p> | Oceania |
| Co-editor  | <p>Rizwan Bulbul, Assistant Professor of GIScience Head of Geospatial Research and Education Lab Department of Space Science, Institute of Space Technology, Islamabad, Pakistan bulbul@grel.ist.edu.pk</p> | India, Sri Lanka, Pakistan, Afghanistan, Nepal, Burma, Iran, Iraq, Jordan, Syria, Israel, Lebanon, Turkey, Saudi Arabia, Oman, Yemen, United Arab Emirates, Kuwait and Islands of S. Pacific. |
| Co-editors  | <p>Pavel Kikin, Senior Lecturer "Department of applied informatics and IT", Siberian State Univer. of Geosystems and Technologies Alexey Kolesnikov, Senior Lecturer "Department of cartography and GIS", Siberian State Univer. of Geosystems and Technologies it-technologies@yandex.ru</p> | Russia, Mongolia, China, Japan, S. Korea, Vietnam, Thailand, Malaysia, Laos, Myanmar, Cambodia, Singapore, Brunei, Indonesia, Philippines, Turkmenistan, Uzbekistan, Tajikistan and Kyrgyzstan. |
| Co-editor  | <p>Rania Elsayed, Computers & Information Researcher, Division of Scientific Training & Continuous Studies, National Authority for Remote Sensing & Space Sciences, Cairo, Egypt. ranyaalsayed@gmail.com</p> | Africa |
| Co-editor  | <p>Seraphim Alvanides, Reader (Geographical Information Science) Northumbria University, Newcastle NE1 8ST, United Kingdom. s.alvanides@gmail.com</p> | Scandinavian countries, Denmark, Germany, Austria, Switzerland, UK, Ireland, Iceland |
| Co-editor  | <p>Antoni Perez Navaro, Associate Professor at Universitat Oberta de Catalunya (UOC) Computer Sciences and Multimedia Department aperezn@uoc.edu</p> | Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg. |
| Co-editor  | <p>Emma Strong, GIS Coordinator with Southern Mississippi Planning and Development District eestrong118@gmail.com</p> | North and Central America |
| Co-editor  | <p>Sergio Acosta Y Lara, Departamento de Geomática Dirección, Nacional de Topografía, Ministerio de Transporte y Obras Públicas, URUGUAY sergio.acostaylara@mtop.gub.uy</p> | South America |
| Co-editor  | <p>Codrina Ilie, PhD student at the Technical University of Civil Engineering, Bucharest, Romania</p> | The Balkans, Ukraine, Moldavia, Estonia, Lithuania, Belarus, Latvia, Hungary, Czech Republic, Slovakia |
| Production Designer  | <p>Nikos Voudrislis, MSc, PhD in geography education. nvoudris@gmail.com</p> | Design and final formation of the newsletter |



GeoForAll Regional Chairs and Contact Information

North America Region

Chairs: Helena 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>



- Suchith Anand participated at the Research Data Alliance Geospatial IG meetings in Barcelona, April 3-7, 2017. The meeting was about building ideas for the global research agenda for Geospatial Data Science (http://www.geoconnexion.com/uploads/publication_pdfs/uk_v15i18-058-059-Op951AF3.pdf, http://www.mdpi.com/journal/ijgi/special_issues/science-applications, <https://www.devex.com/news/how-nasa-and-the-un-are-using-location-intelligence-to-build-smart-cities-in-developing-countries-89721>). Overview slides at https://www.rd-alliance.org/sites/default/files/attachment/GeospatialIG_P9.pdf.

The full list of slides of all presentations are at <https://www.rd-alliance.org/ig-geospatial-rda-9th-plenary-meeting>.

- Let's stop plastic going into the ocean. A web-based litter-mapping game to generate Open Data for a healthier planet. <https://openlittermap.com/> (From Seán Lynch seanlynch@umail.ucc.ie)

If you would like to become an expert litter-mapping Citizen Scientist on the OpenLitterMap platform, please watch this video <https://www.youtube.com/watch?v=8E0c5TIYzNI>. All data is free to view and download by anyone to fix the problems of plastic pollution.

If you would like to create your own Open Litter Maps with QGIS, you can read the methodology in Seán's [M.Sc dissertation "Open Litter Map" \(2015\)](#)

- [GeoForAll Webinars](#) already presented:
 - GRASS GIS – A Point Cloud Evaluation Resource. Practical experiences in open source point cloud data assessment. Presented by Robert S. Dzur.
 - How Free/Open Source Geomatics Can be Integrated into Rural Communities to Improve Resilience and Quality of Life. Presented by Andrea Giacomelli aka pibinko, Dario Canal, Simone Sandrucci, Pietro Marini and Luigi Ciampini.

- POSSE is the Professor's Open Source Software Experience. POSSEs provide professional development for instructors interested in student participation in Humanitarian Free and Open Source Software (HFOSS). Details at <http://foss2serve.org/index.php/POSSE>

2. A) Lab of the Month

The Laboratory of socio-geographical research of the University of Siena, ITALY

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 **Laboratory of socio-geographical research** of the University of Siena as our "GeoForAll" lab of the month. The University of Siena is one of the most ancient Italian Universities, founded in 1240. LADEST is the Laboratory of socio-geographical research of the University of Siena, based in the Department of Social, Political and Cognitive Sciences. The laboratory specialises in data collection and spatial analysis, Geographical Information Science, and territorial data mapping. Since the area of geography is a cornerstone of the activities, the expertise of LADEST - which includes volunteered geographic information (VGI), user-generated content (UGC), semantic analysis, photo-sharing, social networks dynamics, data mining, and GIS based data visualization - will benefit the endeavour impacting on different projects.



Prof. Cristina and colleagues at LADEST, University of Siena

LADEST employ mainstream GIS tools as well as applications developed in house to retrieve photos from Flickr or Tweets from Kowalski which has been one of the first experiments (in 2013) to retrieve georeferenced Tweets. They also developed TEAT, TouristExperienceApplication at <http://tea.ladestlab.it/>

LADEST benefits from international exchanges and recently had two visiting professors, Georg Gartner (TU Wien) and Claire Ellul (UCL), who have enriched the work done at LADEST with their lectures and citizen science experimentation.

In 2011, the University of Siena founded a sustainability network, Nesso (Network Siena Sostenibile) to foster fruitful exchanges with interested parties in order to define sustainable policies and operating solutions, and it then became a regional centre of the UNSDSN network. So LADEST is also engaged in sustainable development, sustainability indicators, and smart cities.

LADEST has been the leader of a 4 year COST Action: IC1203 ENERIG (2012-2016) on harnessing crowdsourced geographic information from sources to software and methodologies (www.vgibo.eu) ENERIG developed the "VGI Knowledge Portal." This Portal provides information about the domain of Volunteered Geo-Information (VGI) by presenting its relevant concepts, products, and their relationships. As the portal is a Wiki, it is used both to browse and to edit its page content.

LADEST current research focus is on the following:

- The effect of airBnB in urban disneyfication process (see <http://ladestlab.it/maps/70/airbnbscapes> , <http://ladestlab.it/maps/68/the-airification-of-cities>) **citizen science**, territorial marketing, and environmental monitoring.
- A permanent Observatory on the use of Twitter platform by the Italian municipalities in collaboration with Twitter and ANCI (Associazione Nazionale Comuni Italiani). (see <https://ladestlab.it/maps/66/i-comuni-italiani-su-twitter-l-evoluzione-2013-2016>)
- Regional and urban analysis integrating crowdsourced geographic information with other authoritative data (e.g. Census data) to be employed for example in political geography. Their latest experiment on Brexit's results (see <http://ladestlab.it/maps/54/urban-britain-and-the-brexit-vote>)
- Landscape as a material and immaterial resource. Cristina Capineri founded the Museum of Landscape in Castelnuovo Berardenga (Siena) almost twenty years ago (see <http://www.comune.castelnuovo.si.it/?q=museo-paesaggio>)
- <http://ladestlab.it/maps/60/mapping-flickr-number-of-flickr-photographs-per-country>

The GeoForAll lab in University of Seina welcomes collaborations from all interested and work for making contributions to the wider society. More details at <http://ladestlab.it>

On behalf of the GeoForAll community, we thank Prof. Cristina Capineri and all colleagues from the University of Siena 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. Peter Mooney

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

It is my great pleasure to introduce **Dr. Peter Mooney** as our GeoAmbassador.

Peter Mooney received his PhD in Computer Science in 2004 from Maynooth University in Ireland, with the topic of his research was being shortest path optimisation. For the following years, he worked with the Irish Environmental Protection Agency as a Research Fellow. During this time, he began working in the areas of FOSS4G, Open Data, and Volunteered Geographic Information (VGI). Indeed, Peter has been actively working as a researcher in the area of VGI and Citizen Science since 2009. With the EPA he has worked as a web developer, database administrator, and more recently as a software developer for the National Ambient Air Quality network.



Dr. Peter Mooney

In 2015 Peter took up a temporary position as lecturer in Computer Science at Maynooth University, and in early 2017 he was appointed as a tenure track

lecturer. In the summer of 2015 he became the European Co-Chair of GeoForAll with Prof. Maria Brovelli. Peter led a strong Irish proposal to host the global FOSS4G 2016 conference in Dublin but narrowly missed out to the fantastic Bonn FOSS4G 2016 bid. In 2017 he is working with colleagues to establish the first Irish OSGeo Local chapter. At the end of May this year there will be the first Irish OSGeo event with the 1st Irish OSGeo Symposium [1]. Peter is involved in many key activities. A summary of current activities is below:

- establishment of the first Irish OSGeo Local chapter
- co-editor on a number of special issue journals on Volunteered Geographic Information and Citizen Science namely [2] [3] [4]
- OSGeo Rebranding project - Peter has volunteered to give input from an academic perspective, making sure the website/rebranding supports the work we do with GeoForAll. He will also be providing a perspective from OSGeo local chapters.
- Data Quality Working Group Co-chair for the European COST Action "Citizen Science to promote creativity, scientific literacy, and innovation throughout Europe" [6]
 - ✓ Recently co-chaired a very successful international workshop on Crowdsourcing in National Mapping [7]. Peter is passionate in his research and advocacy of VGI usage by government organisations and for use in policy making at a regional, national, and international level
 - ✓ Peter teaches on an MSc in Geocomputation in the university on topics such as web-based mapping (Leaflet and OpenLayers) and spatial databases (PostgreSQL PostGIS)
 - ✓ In Peter's other teaching activities to undergraduate and postgraduate courses, he focuses on always using open source software and open data. For example in teaching Database Technologies to undergraduates he uses PostgreSQL and openly accessible data from sources such as OpenStreetMap for the purposes of examples.



- ✓ He encourages all of his research students to use the OSGeo Live Ubuntu O/S distribution for their work.
- ✓ His own research work focuses on developing methods to assess the quality of VGI and CS data, emphasis their usability and fitness for purposes, and the use of FOSS4G and OpenData as complimentary/ integrable components to official or authoritative processes.

We are proud to honor Peter Mooney as our GeoAmbassador, and we are extremely grateful for his contributions to Geo for All and his selfless contributions for expanding geoeducation opportunities for all.

Best wishes

Suchith Anand

- [1] <https://wiki.osgeo.org/wiki/Ireland/Symposium2017>
- [2] http://www.mdpi.com/journal/ijgi/special_issues/Geospatial_Big_Data_Urban_Studies
- [3] <http://explore.tandfonline.com/cfp/est/tgis-cfp-geospatial-data-2q2017>
- [4] <http://explore.tandfonline.com/cfp/est/gsis/si3>
- [5] <http://www.osgeo.org/marketing/rebranding.html>
- [6] http://www.cost.eu/COST_Actions/ca/CA15212
- [7] <http://www.cs.nuim.ie/~pmooney/euroedr2017/>

3. Events

- 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/Knoxfoos4g20170519>
- We are pleased to announce the launch of the SMARTIES Entrepreneurship competition [1],[2] through the NASA Europa Challenge 2017 [3],[4]. SMARTIES will provide 5000 GBP for awards (£2500 for First Place, £1500 for the Second Place and £1000 for the Third Place). Due to the nature of the funding, the SMARTIES Entrepreneurship,

awards are specific to all UK and India students who participate in the NASA Europa Challenge 2017. This is a contest where everyone wins just by playing! Help your city and thereby the cities of the world with capabilities all cities need. We are in this world together, let's deliver results 'for the benefit of all', the NASA motto.

Please share the competition link to your contacts and students at

<http://opensourcegeospatial.icaci.org/2017/03/smarties-entrepreneurship-competition-nasa-europa-challenge-2017/>

Details at <http://eurochallenge.com.polimi.it/> and overview video at <https://youtu.be/OQEzJrEDmEI>

[1] <http://opensourcegeospatial.icaci.org/2016/11/smarties-are-part-of-the-uk-prime-ministers-ministerial-delegation-to-india-for-the-tech-summit-2016/>

[2] <http://opensourcegeospatial.icaci.org/2016/11/reflections-from-uk-india-joint-network-on-sustainable-cities-and-urbanisation-in-india-city-level-workshop-on-chennai-urban-observatory-9th-10th-nov-2016-chennai-india/>

[3] <https://www.youtube.com/watch?v=aWuMfMMPfPw>

[4] <https://www.devex.com/news/how-nasa-and-the-un-are-using-location-intelligence-to-build-smart-cities-in-developing-countries-89721>

4. Conferences

Asia

September 2017

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

Africa

June 2017

2. 25 June- 1 July [FOSS4G 2017 Africa 2017](#)



The OSGeo Africa chapter and the QGIS South Africa User Group Conference invite you to participate and present at the first regional FOSS4G event in Africa and the first national QGIS User Group Conference in South Africa.

Venue: St John's College, Johannesburg, South Africa

Important dates:

Abstract submission: 31st March 2017

Notification of acceptance: 30th April 2017

Submission of revised abstracts: 15th May 2017

Early Bird Payments for conference: 20th May 2017

Full Conference registration payment for presenters:
6th June 2017

Full Papers for Proceedings or submission to Journals:
31st July 2017

3. 27-30 June: [OSS4G Southern Africa overlap with GeoforAll + SAGTA conference](#)

Venue: Johannesburg, South Africa

Europe

May 2017

4. 9 May: [VGI-Analytics 2017](#)

9-12 May: [AGILE 2017](#)

Venue: Wageningen University, The Netherlands.

June 2017

5. 1-2 June: [Jornadas SIG Libre](#). XI days of free GIS in Girona

Venue: Univerisyt of Girona, Spain.

"The GIS Free Conferences are a reference event in the area of free technologies in the field of geographic information. They are a meeting point where to share knowledge, experiences and create synergies between users and programmers. A space to show news and trends and reflect on debates that fit the context of free geospatial technologies."

6. 6-8 June: [Geo IoT World 2017](#).

Venue: Brussels, Belgium).

July 2017

7. 10-14 July: XVI Biennial IASC [global conference](#)
Practicing the Commons

Venue: Utrecht, the Netherlands.

8. 18-22 July: [FOSS4G Europe 2017](#)

Venue: Paris, France.

FOSS4G-Europe 2017 will be held in Marne-la-Vallée, France on July 18th-22nd 2017. The third edition of the conference is organized at École Nationale des Sciences Géographiques (ENSG). Our event aims at bringing Open Source GIS users and developers together and fostering closer interactions amongst the European geospatial communities. Following an established tradition, FOSS4G-Europe organizes an academic track which will run as a single-track over one day. FOSS4G-Europe invites original research contributions scientific papers dealing with Open Data, Open Software, Open Hardware, and Open Science in general are highly welcome. Submissions focusing on INSPIRE, Big Data, and Societal Challenges are particularly encouraged. All types of papers are welcome, such as on results achieved, case studies, work in progress, and demos. We discourage, however, mere presentations of technology or use cases without properly justifying it.

Submission deadline: March 17, 2017

Acceptance notice: April 14, 2017

Camera ready version: May 15, 2017

Conference: July 19, 2017

Details at

http://europe.foss4g.org/2017/Academic_Track

September 2017

9. 6-8 September: [INSPIRE Conference 2017](#)

Venue: Strasbourg, France

10. 7-8 September: 2nd Geoprogress Global Forum.

International Conference on Sustainability and Energy Issues

Venue: Brussels

Abstract deadline April, 30, send to info@geoprogress.eu

Registration and fee deadline: April, 30

Full paper: August, 15

More information on the format and norms of the Abstract at www.geoprogress.eu/publications

For more information write to: info@geoprogress.eu



11. 25-28 September: [Third Earth Observation Open Science](#) community consultation

Venue: ESRIN (Frascati, Rome, Italy)

Abstract: at <http://eoopenscience.esa.int/> before 15.05.2017.

November 2017

12. 28-30 November. [BiDS'17](#)

Venue: Centre de Congrès Pierre Baudis, Toulouse, Fran

Abstract deadline: July, 31

North and Central America and the Caribbean

May 2017

13. 19 May: [Free FOSS4G Meeting](#)

Venue: Knoxville, Tennessee, USA

14. 22-25 May: [CalGIS 2017/LocationCon](#)

Venue: Oakland, California, USA

July 2017

15. 1-2 July: [pre-Conference workshop](#) with the ICA Commission on SDI and Standards.

Venue: George Washington University in DC

16. 2-7 July: 28th International Cartographic Conference (ICC) of the International Cartographic Association.

Washington, DC, USA

More details in Section 17 "Ideas/Information" about the event "[Different Fields - One Cartography](#)" organized within the activities before the 28th International Cartographic Conference of the International Cartographic Association (ICA).

August 2017

17. 14-19 August: [FOSS4G Boston](#).

Boston, Massachusetts, USA.

September 2017

18. 14-15: HOT Humanitarian OpenStreetMap Team Summit 2017

Venue: Ottawa ON, Canada.

More details soon.

19. 26-30 September: VIII Surveying Convention "[AGRIMENSURA 2017](#)"

Venue: Havana Libre Tryp Hotel, Havana. Cuba.

October 2017

20. 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)

South America

May 2017

21. 16-17: [2nd gvSIG Festival](#)

Venue: virtual, through the webinar service of the gvSIG Association

This event is free of charge and completely online.

Go to the web page for the important dates and registration.

5. Webinars

- Members from SIGTE (The GIS and Remote Sensing Service of the University of Girona, Spain) organize the GIS cloud seminar with some open source tools. It will take place between 8th May and 19th June. The tutor will be Jorge Sanz, from OSGeo. Details at <http://www.unigis.es/cursos-de-especializacion-sig/gis-cloud/> (in Spanish)
- [Geo4All Webinars](#) web page
Friday, May, 12 12:00 PM Mountain Time, 6:00 PM GMT
The Launch of OpenLitterMap.com Presented by Seán Lynch
- View the recording of the April webinar "How Free/Open Source Geomatics can integrate in Rural Communities to improve Resilience and Quality of Life," hosted by the Geo4All Network and ASPRS, here: <http://www.pibinko.org/the-recording-of-the-webinar-of-open-source-geomatics-environment-and-music-from-southern-tuscany/>



7. Training programs

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

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

- A new open-source release of the Maxent software for modeling species distributions from occurrence records and environmental data.

More at

<http://onlinelibrary.wiley.com/doi/10.1111/ecog.03049/full>

- The GeoServer team are happy to announce the release of GeoServer 2.10.3 the latest maintenance release. All versions can be downloaded from

<https://sourceforge.net/projects/geoserver/files/GeoServer/2.10.3/> See the blog post (<http://blog.geoserver.org/2017/04/24/geoserver-2-10-3-released/>) for full details of the release.

More at

<http://onlinelibrary.wiley.com/doi/10.1111/ecog.03049/full>

- Download the OSGeo-Live 10.5 image at <http://live.osgeo.org/en/download.html>

If you would like to comment and participate in the OSGeo-Live 11.0 planning process, please see the information provided below from Astrid Emde

http://wiki.osgeo.org/wiki/User:Astrid_Emde

For our next OSGeo-Live release, 11.0, we propose to reduce the number of packages included, and only support a 64 bit distribution, (32 bit will be built but not tested or officially supported).

Factors leading to this suggestion include:

1. Some projects have dwindling communities and momentum.
2. Increased OSGeo-Live scope has increased our core maintenance and

testing.

3. Reduced engagement from projects (partly due to less core time spent reaching out to projects)

4. Missing our first release milestone in 9 years.

From our options of reduce quality, become more efficient, increase

volunteer engagement, find a sponsor to support core activities, and

reduce scope, reducing scope is our most viable and acceptable option.

Other ideas are welcomed.

Questions we will ask in assessing which projects to keep include:

1. Is there an ACTIVE OSGeo-Live liaison person/people for the project?

Prior list is copied to "Contact" column at:

https://docs.google.com/spreadsheets/d/1Q5BaEgQtgw4O1bXyeWMIM8XtAOhUgcjZ7Y2O0FZc2H0/edit?hl=en_GB#gid=2014800150

2. Has the Project Overview and Quickstart been reviewed and are they

current and complete?

3. Do OpenHub metrics reflect an active and healthy community:

<https://live.osgeo.org/en/metrics.html>

4. Is the project being updated on OSGeo-Live with each release?

11. Free Books, educational materials, etc.

- Free book in Spanish about spatial analysis: <https://dialnet.unirioja.es/servlet/libro?codigo=667265>
- A new free book in Spanish about dealing with satellite images and how to ortho-rectificate them. <http://www.tysmagazine.com/ortorrectificacion-imagenes-satelitales-landsat/>



- Another free book in Spanish. The book exposes examples of the vast potential of geoinformatics, to generate data that allow to transform the environmental and social reality from the trenches of classrooms and university work.
<http://www.tysmagazine.com/libro-gratuito-geoinformatica-aplicada-procesos-geoambientales/>

- A new free book in spanish, from Elia Quirós (University of Extremadura)
<http://www.tysmagazine.com/introduccion-la-fotogrametria-cartografia-aplicadas-la-ingenieria-civil/>

The main part of the text focuses on digital photogrammetry and once again emphasizing its simplicity, it tries to explain, from the professional experience, the whole work process, from the moment a photogrammetric flight is ordered, until the digital cartography arrives at the hands of an engineer to work on it, with its accuracy and precision.

- New free book in Spanish about how to create maps, how to construct them, importance of symbols, parts of a map, etc.
<http://www.tysmagazine.com/libro-gratuito-metodos-tecnicas-la-cartografia-tematica/>

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

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

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

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

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

RCMRD: Regional Centre for Mapping of Resources for Development

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

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

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



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 program will start in September 2017 and must be completed by August 2020.

For more information, contact 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.

2. We are pleased to announce the launch the SMARTIES Entrepreneurship competition through the NASA Europa Challenge 2017 [3],[4]. SMARTIES will provide 5000 GBP for awards (£2500 for First Place, £1500 for the Second Place and £1000 for the Third Place). Due to the nature of the funding, the SMARTIES Entrepreneurship awards are specific to all UK and India students who participate in the NASA Europa Challenge 2017.

Please share the competition link to your contacts and students at:

<http://opensourcegeospatial.icaci.org/2017/03/smarties-entrepreneurship-competition-nasa-europa-challenge-2017/>

Details at <http://eurochallenge.como.polimi.it/> and overview video at <https://youtu.be/OQEZrEDmEI>

16. Web sites

- New website and new documentation for users and developers in gvSIG

A new website for the gvSIG documentation has been announced. This website will contain all types of documentation, such as user manuals, developer guides for Scripting, for Java, workshops, and more. It will also contain other useful links like related pages with the project.

More details at

(English) <https://blog.gvsig.org/2017/03/01/new-website-and-new-documentation-for-users-and-developers-in-gvsig/>

(Spanish) <https://blog.gvsig.org/2017/02/28/nueva-web-y-nueva-documentacion-para-usuarios-y-desarrolladores-en-gvsig/>

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. 3rd Catedra gvSIG Contest

The aim of the Cátedra gvSIG is to create a meeting point for users interested in free space technologies. In order to foment an environment of shared knowledge and participating in the dissemination of free geomatics, the chair organizes this international contest to encourage all gvSIG users and free Geographic Information Systems users to share and give visibility to their work.

Students and graduates in high school, professional training, and university, as well as university professors and researchers from all countries can participate in this contest.

More details at

(English) <https://blog.gvsig.org/2017/03/09/3rd-catedra-gvsig-contest/>

(Spanish) <https://blog.gvsig.org/2017/02/17/tercera-edicion-del-concurso-internacional-catedra-gvsig-a-trabajos-universitarios-con-geomatca-libre/>