



# 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/>).
- From November 20 to 22, the 7th National Meeting of Open GIS of Portugal will take place in Porto. The official language of the meeting will be Portuguese. Interested people can contact Dr. Jorge Gustavo Rocha ([jgr@di.uminho.pt](mailto:jgr@di.uminho.pt)). Abstracts for communications can be sent until July 28.
- 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/geenius/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.

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](https://dgroups.org/fao/godan_cd)

- Recently [HeiGIT @ GIScience Heidelberg](#) released a dedicated stable [disaster version](#) of [OpenRouteService](#) to support humanitarian logistics within specific regions of catastrophes. Since its start in 2008, OpenRouteService has already been sporadically applied for specific real world disaster cases numerous times, for instance during the earthquakes in [Haiti](#) in 2008 and 2010, in [Nepal](#) in 2015, and in [Ecuador](#) in 2016. Yet this always involved manual effort to set the system up for the specific disaster, which cost time and manpower. For this reason it was

*continued on page 4*



## 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
<b>Co-editor</b> 	<p>Rizwan Bulbul, Assistant Professor of GIScience          Head of Geospatial Research and Education Lab          Department of Space Science, Institute of Space Technology,          Islamabad, Pakistan  <a href="mailto:bulbul@grel.ist.edu.pk">bulbul@grel.ist.edu.pk</a></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.
<b>Co-editors</b> 	<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  <a href="mailto:it-technologies@yandex.ru">it-technologies@yandex.ru</a></p>	Russia, Mongolia, China, Japan, S. Korea, Vietnam, Thailand, Malaysia, Laos, Myanmar, Cambodia, Singapore, Brunei, Indonesia, Philippines, Turkmenistan, Uzbekistan, Tajikistan and Kyrgyzstan.
<b>Co-editor</b> 	<p>Rania Elsayed, Computers &amp; Information Researcher, Division of Scientific Training &amp; Continuous Studies, National Authority for Remote Sensing &amp; Space Sciences, Cairo, Egypt.  <a href="mailto:ranyaalsayed@gmail.com">ranyaalsayed@gmail.com</a></p>	Africa
<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.
<b>Co-editor</b> 	<p>Emma Strong, GIS Coordinator with Southern Mississippi Planning and Development District  <a href="mailto:eestrong118@gmail.com">eestrong118@gmail.com</a></p>	North and Central America
<b>Co-editor</b> 	<p>Sergio Acosta Y Lara, Departamento de Geomática Dirección, Nacional de Topografía, Ministerio de Transporte y Obras Públicas, URUGUAY  <a href="mailto:sergio.acostaylara@mtop.gub.uy">sergio.acostaylara@mtop.gub.uy</a></p>	South America
<b>Co-editor</b> 	<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
<b>Production Designer</b> 	<p>Nikos Voudrislis, MSc, PhD in geography education.  <a href="mailto:nvoudris@gmail.com">nvoudris@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>



*continued from page 1*

only manageable for specific larger disasters. In order to provide this tool with the most recent data to humanitarian organisations and affected people in a more stable, reliable, and automated way that also covers smaller disasters without manual intervention, the routing and disaster teams at HeiGIT jointly developed this new dedicated disaster ORS.

Basically the [Disaster OpenRouteService](#) is an adjusted version of the OpenRouteService which specifically serves the cause of routing considering specific meta information about passable ways from OpenStreetMap. It is constantly running on three individual and interchangeable regions in a distributed cloud environment. For the moment and first version these three instances cover *Africa, South America, and Indonesia*.

The system has the exceptional ability to navigate on the most up-to-date OSM data added by disaster mappers as data and graph updates are currently computed daily for the entire regions covered. This allows to account for a high user activity and data adjustment rate in OSM during disaster situations, where both the real world situation and the data in OSM are changing in very a dynamic way. We are working on providing even more frequent update circles in the future in order to provide the best and most recent available OSM data to the disaster relief organisations, our partner the [Humanitarian OpenStreetMap Team \(HOT\)](#) and affected people as fast as possible in a fully automated manner.

Moreover, similar to the conventional ORS the **Disaster OpenRouteService** also provides an **accessibility analysis** service (calculating fast [isochrones](#)) for a given location, the possibility to export GPS tracks to be used offline in mobile devices, and of course the **interactive avoid area tool**. The latter allows the user to interactively draw polygons into the map which mark severely affected, not accessible, or impassable regions or road sections which should be avoided for navigation, or are potentially valuable for Search and Rescue (SAR) units.

Similar to the OpenRouteService, the web application and the directions are already fully available in 7

**languages**, namely English, German, French, Spanish, Portuguese, Russian, and Chinese. Other languages, such as Greek, Hungarian, Italian, Dutch, Polish, Czech, and Nepali are partially available as well (mostly directions).

- There are four (4) days of gvSIG in Mexico. Get more of this at:  
<http://geodesia.uas.edu.mx/gvsig/>  
<http://geodesia.uas.edu.mx/gvsig/presentacion-de-trabajos/>  
<http://geodesia.uas.edu.mx/gvsig/registro/>

## 2. A) Lab of the Month

### The Department of Civil, Environmental and Mechanical Engineering of the University of Trento, Italy

By Suchith Anand



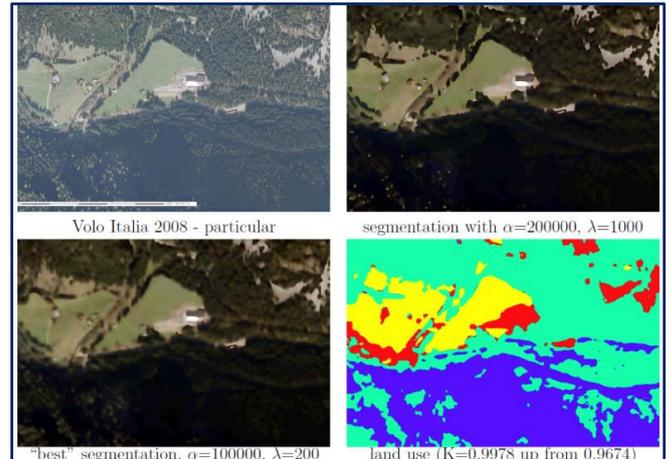
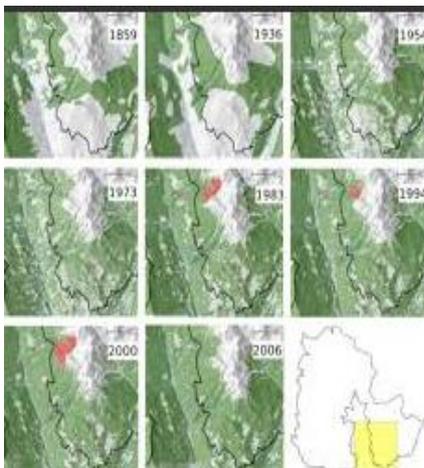
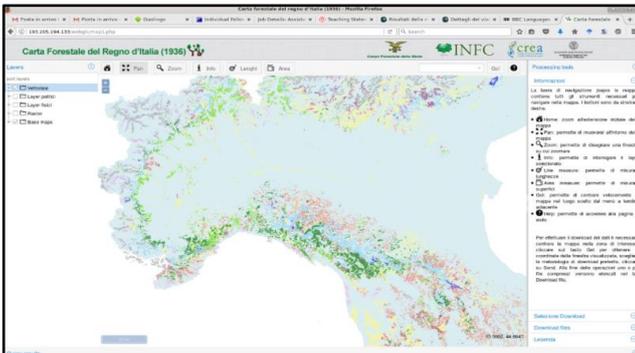
Suchith Anand,  
Nottingham Geospatial  
Institute, University of  
Nottingham, UK

Dear Geo4All Colleagues,

It is my great pleasure, to introduce our colleagues at the Department of Civil, Environmental and Mechanical Engineering of the University of Trento, Italy, as the GeoForAll Lab of the month. The laboratory (<http://www.ing.unitn.it/~grass/>) aims to support research in the spatial information field, the development of FOSS4G systems, and education using FOSS. Research has lead to the development of new data processing techniques which have been implemented as FOSS4G, see e.g. the signal and image segmentation software by Alfonso Vitti [0] or GRASS' modules for GNSS planning [1].



The PyGRASS library [2], which allows access to low-level GRASS APIs using the python language, has been developed by Pietro Zambelli while he was a PhD student at the laboratory for the Google Summer of Code 2012. Clara Tattoni and Marco Ciolli's research is focussed on the use of FOSS4G in ecology: conservation of endangered species, invasion of pests, and historical spatio-temporal variation of alpine forest coverage and development of future scenarios. They have been organising a Summer school for Tanzanian Ecologists and International students for several years (see newsletter V2 n3). They recently digitized and distributed the historical map of the Italian Kingdom of 1936[6].



The laboratory has published a plethora of educational material on its main web site [3]: GRASS and QGIS tutorials, lecture slides, live DVDs, and Virtual Machines. It has organized many one-day workshops about FOSS4G during national and international conferences, including international FOSS4G meetings and for professionals [5]. The laboratory is involved in the Italian GRASS users and has hosted its 2001 and 2011 meetings. In 2002 the laboratory organized the "Open Source Free Software GIS - GRASS users conference 2002," the first GRASS meeting in 8 years, starting a series of conferences which converged in the FOSS4G meetings in 2006.

On behalf of the GeoForAll community, we thank Clara Tattoni, Paolo Zatelli, and all colleagues from the the University of Trento' lab 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

[0] <http://www.ing.unitn.it/~vittia/sw/index.html>

[1] <http://www.ing.unitn.it/~grass/software.html>

[2] <https://grasswiki.osgeo.org/wiki/Python/pygrass>

[3] <http://www.ing.unitn.it/~grass/>

[4]

<http://www.ing.unitn.it/~grass/conferences/GRASS2002/home.html>

[5] <http://events.unitn.it/grass2017>

[6] <http://193.205.194.133/>



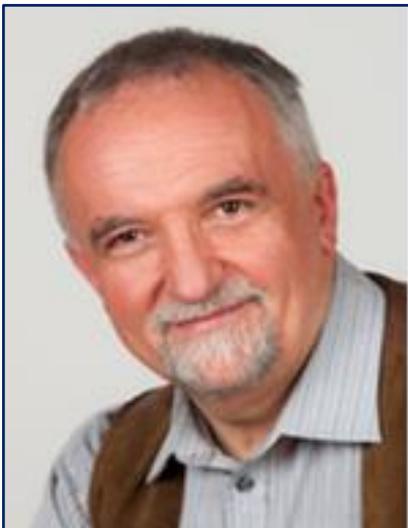
## B) GeoAmbassador of the Month

### Prof. Dr. Josef Strobl

By Suchith Anand

Nottingham Geospatial  
Institute, University of  
Nottingham, UK

It is my great pleasure to introduce our excellent colleague Prof. Dr. Josef Strobl as our GeoAmbassador of the month. Josef Strobl is Professor at the Department of Geoinformatics at the University of Salzburg, Austria. He is one of the pioneers involved in expanding geoeducation, especially online GIS education through the UNIGIS International Association ([www.unigis.net](http://www.unigis.net)). He is not only the chair of UNIGIS but also the brains behind the success of UNIGIS. He also is the force behind GI\_Forum Geoinformatics Forum Salzburg: <http://www.gi-forum.org> which helped establish University of Salzburg at the centre of key developments by bringing together the GI-Forum community to discuss new ideas and developments for the future. I greatly admire his leadership abilities and vision. When we established GeoForAll, he was one of the first visionaries that we approached to serve on our Advisory Board. We thank Josef and colleagues for establishing the 75<sup>th</sup> OSGeo lab at the University of Salzburg.



A geographer by training and research, Dr Strobl has

over 30 years of research and teaching experience. He obtained his Master and PhD from the University of Vienna in 1982 and 1984, respectively. His research interests are in geographical information science and systems, remote sensing and image processing, spatial analysis, digital terrain models, spatial modeling of renewable energy potentials, spatial statistics and geostatistics, modeling and simulation of dynamic processes, open systems architectures, interfaces, metadata and catalogues (SDI), location based services, internet-based distance education, active learning in online environments, and the design of interactive learning materials, and learning with geoinformation, from spatial awareness to thinking to citizenship.

His services to the geo community are immense. He serves as a Full Member of Austrian Academy of Sciences (ÖAW) and Chair ÖAW Commission for GIScience. He is the Co-Founder and President (2007-2011) of Austrian Umbrella Org. for Geographical Information (AGEO) Board. He is the Founder and President since 1999 of the International Institute for Geographic Information (IIG).

Josef is a member of GISIG Executive Committee ([www.gisig.eu](http://www.gisig.eu)), member of Eurogi Executive Committee ([www.eurogi.org](http://www.eurogi.org)), Council Member of the International Society of Digital Earth (ISDE, [www.digitalearth-isde.org](http://www.digitalearth-isde.org)), and he serves on the Editorial board memberships of GIScience, International Journal of Geoinformatics, ISPRS International Journal of Geo-Information, and Journal of Geomatics. He has (Visiting) faculty positions at many universities worldwide.

I am grateful for this opportunity of introducing some of our amazing colleagues from different parts of our world each month as our GeoAmbassadors and get inspired by their amazing work and contributions for the wider community. We are proud to honor Josef as our GeoAmbassador, and we are extremely grateful for his contributions to Geo for All. Josef is a great ambassador for Geospatial Science globally. May I also use this opportunity to send greetings on behalf of GeoForAll to all colleagues gathering at GI\_Forum 2017 this week (July 4-7, 2017).

Best wishes

Suchith Anand



## 4. Conferences

### Asia

#### September 2017

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

### Europe

#### July 2017

2. 4-7: [GI Forum](#) Symposium and Exhibit  
Venue: University of Salzburg, Salzburg, Austria
3. 10-14 July: XVI Biennial IASC [global conference](#)  
Practicing the Commons  
Venue: Utrecht, the Netherlands.
4. 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 justification.  
Conference: July 19, 2017  
Details at [http://europe.foss4g.org/2017/Academic\\_Track](http://europe.foss4g.org/2017/Academic_Track)

#### September 2017

5. 6-8 September: [INSPIRE Conference 2017](#)  
Venue: Strasbourg, France
6. 7-8 September: 2<sup>nd</sup> Geoprogress Global Forum.  
International Conference on Sustainability and Energy Issues  
Venue: Brussels  
For more information write to: [info@geoprogress.eu](mailto:info@geoprogress.eu)
7. 25-28 September: [Third Earth Observation Open Science](#) community consultation  
Venue: ESRIN (Frascati, Rome, Italy)

#### November 2017

8. 20-22: 7<sup>th</sup> National Meeting of Open GIS of Portugal (in Portuguese)  
Venue: Porto.  
Contact person: Dr. Jorge Gustavo Rocha ([jgr@di.uminho.pt](mailto:jgr@di.uminho.pt))  
Abstracts for the meeting's discussions until July 28.
9. 28-30 November. [BiDS'17](#)  
Venue: Centre de Congrès Pierre Baudis, Toulouse, Fran  
Abstract deadline: July, 31

### North and Central America and the Caribbean

#### July 2017

10. 1-2 July: [pre-Conference workshop](#) with the ICA Commission on SDI and Standards.  
Venue: George Washington University in DC
11. 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

12. 14-19 August: [FOSS4G Boston](#).

Boston, Massachusetts, USA.

## September 2017

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

Venue: Ottawa ON, Canada.

More details soon.

14. 26-30 September: VIII Surveying Convention "[AGRIMENSURA 2017](#)"

Venue: Havana Libre Tryp Hotel, Havana. Cuba.

## October 2017

15. 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](mailto:sergio.acostaylara@mtop.gub.uy))

## 5. Webinars

- QGIS Tutorials  
<https://www.youtube.com/playlist?list=PLCIKgnzRFYe6iZirhtZr-Lr9UbTkh5qij> (in Spanish)
- gvSIG Tutorials (in Spanish)
- <https://www.youtube.com/playlist?list=PLCIKgnzRFYe4X1y0HoB7VHus9hYXUcNPQ>
- Satellite image interpretation to obtain territorial information:  
[https://www.youtube.com/watch?v=7mqoe\\_Gtco](https://www.youtube.com/watch?v=7mqoe_Gtco) (in Spanish)

## 6. Courses

- GIS online courses in spanish about QGIS, drones, Postgis, etc.  
<http://geografosdeandalucia.org/index.php/formacion>

## 7. Training programs

- [GeoForAll educational inventory system, a place to search and share educational materials](#)
- The 6th [Space App Camp](#) is coming closer: The European Space Agency (ESA) will again invite 20 developers to their ESA ESRIN location in Frascati - including travel expenses and accommodation. Register now (<http://www.app-camp.eu/appcamp-registration2017.php>) until 24 July 2017 for the Space App Camp (<http://www.app-camp.eu/>)! Use this opportunity to spend one week with like-minded people, gaining insight into the European Space Programmes, and learning how to enrich mobile applications with satellite data. Especially with the recently launched radar and high-res image satellites from the Sentinel fleet, the Copernicus ([http://www.esa.int/Our\\_Activities/Observing\\_the\\_Earth/Copernicus](http://www.esa.int/Our_Activities/Observing_the_Earth/Copernicus)) programme doors will be open to countless potential mobile applications. The winning team will be rewarded with great prizes.

**SPACE APP CAMP**  
11 – 18 SEP 2017, FRASCATI (ROME), ITALY

There are thousands of ways to enrich apps with data from space – what's yours? Enter the challenge!

**WHAT IS IT ALL ABOUT?**  
Seize the opportunity to meet with like-minded people, create mobile applications using satellite data, and gain insight into ESA's work.

ESA invites you	Develop Copernicus apps by using Earth observation data ( <a href="http://www.esa.int/copernicus">www.esa.int/copernicus</a> )
Be 1 in 20	Dedicated APE for EO data
Get insight	The winning team will be rewarded

**SIGN UP**  
1 JUN – 24 JUL  
[www.app-camp.eu/frascati](http://www.app-camp.eu/frascati)

**WHAT**  
Your week at the European Space Agency

**WHY**  
Meet with like-minded people and space up your app

**WHEN**  
11 – 18 Sep 2017  
Frascati (Rome), Italy



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

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- Recently a new “[OSM Tools Plugin](#)” for [QGIS](#) had been developed by Nils Nolde. It replaces the original OSMroute plugin for QGIS by Riccardo Klinger, which is now deprecated, as he unfortunately lacks the time to maintain it. Thanks a lot to Riccardo and Nils for their wonderful efforts and contributions so far!

The new “**OSM Tools**” Plugin is compatible with the [recently introduced new ORS API](#). The plugin provides some of the most relevant functions of the [ORS API](#) for QGIS users, such as **geocoding/reverse geocoding**, **routing**, as well as **accessibility analysis** (i.e. creating an isochrone map). The ORS API is continuing to grow with many further options that can be integrated into the open source plugin.

Here you can find a [short overview and intro](#) with some screenshots.

Have some fun with using ORS from your favourite GIS System.

<http://plugins.qgis.org/plugins/OSMtools/>  
<https://github.com/nilsnolde/ORStools>  
<https://openrouteservice.org>

- The PostGIS development team is pleased to announce the release of **PostGIS 2.3.3**. As befits a patch release, the focus is on bugs and breakages. Best served with PostgreSQL 9.6.3+ and pgRouting 2.4.1.  
 Source:  
<http://download.osgeo.org/postgis/source/postgis-2.3.3.tar.gz>  
 html doc:  
<http://download.osgeo.org/postgis/docs/doc-html-2.3.3.tar.gz>  
 pdf doc:  
<http://download.osgeo.org/postgis/docs/postgis-2.3.3.pdf>  
 epub doc:  
<http://download.osgeo.org/postgis/docs/postgis-2.3.3.epu>

ChangeLog:

<https://git.osgeo.org/gogs/postgis/postgis/raw/2.3.3/ChangeLog>

Please report bugs that you find in this release:

<http://postgis.net/support/>

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

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- Fisher, R., Hobgen, S., Mandaya, I., Kaho, N.R. and Zulkarnain (2017): Satellite Image Analysis and Terrain Modelling – A practical manual for natural resource management, disaster risk and development planning using free geospatial data and software. Available online at [https://sagatutorials.files.wordpress.com/2016/02/saga\\_manual\\_english\\_cdu\\_june-2017.pdf](https://sagatutorials.files.wordpress.com/2016/02/saga_manual_english_cdu_june-2017.pdf)
- A didactic guide, in spanish, of environment and teledetection. Available at <http://www.tysmagazine.com/guia-didactica-de-teledeteccion-y-medio-ambiente/>

## 12. Articles

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### 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](mailto: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

**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

YouTube Channel

[https://www.youtube.com/channel/UCL1E2akvCNWP\\_nC0p5CpB8g](https://www.youtube.com/channel/UCL1E2akvCNWP_nC0p5CpB8g)

2. The Open Source Geospatial Foundation would like to open nominations for the 2017 Sol Katz Award for Geospatial Free and Open Source Software. (You can find more info on the Sol Katz Award wiki page

[https://wiki.osgeo.org/wiki/Sol\\_Katz\\_Award](https://wiki.osgeo.org/wiki/Sol_Katz_Award)). The Sol Katz Award for Free and Open Source Software for Geospatial (FOSS4G) will be given to individuals who have demonstrated leadership in the FOSS4G community. Recipients of the award will have contributed significantly through their activities to advance open source ideals in the geospatial realm. Sol Katz was an early pioneer of FOSS4G and left behind a large body of work in the form of applications, format specifications, and utilities while at the U.S. Bureau of Land Management. This early FOSS4G archive provided both source code and applications freely available to the community. Sol was also a frequent contributor to many geospatial list servers, providing much guidance to the geospatial community at large.

Sol unfortunately passed away in 1999 from Non-Hodgkin's Lymphoma, but his legacy lives on in the open source world. Those interested in making a donation to the American Cancer Society, as per Sol's family's request, can do so at <https://donate.cancer.org/index>.

Nominations for the Sol Katz Award should be sent to [SolKatzAward@osgeo.org](mailto:SolKatzAward@osgeo.org) with a description of the reasons for this nomination. Nominations will be accepted until end-of-day July 28th Anywhere on Earth

(<https://www.timeanddate.com/time/zones/aoe>). A recipient will be decided from the nomination list by the OSGeo selection committee.

The winner of the Sol Katz Award for Geospatial Free and Open Source Software will be announced at the FOSS4G 2017 event in August, in Boston, U.S. The hope is that the award will both acknowledge the work of community members, and pay tribute to one of its founders, for years to come.

## 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: