



GeoForAll

Monthly Newsletter



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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/>)

2. B) GeoAmbassador of the Month

Martin Landa



By Suchith Anand
GeoForAll

Dear Colleagues,
 On behalf of the GeoForAll community, it is my great pleasure to honour **Martin Landa** as our

GeoAmbassador. Martin is a lecturer at the Department of Geomatics, Faculty of Civil Engineering, Czech Technical University (CTU) in Prague. He is the guarantor of the Free Software GIS course. He is also involved in teaching several courses including *GIS, Introduction into image data processing, and Introduction into spatial data processing.*



In October 2012, Martin established the [GeoForAll Lab](#) (formerly Open Source Geospatial Research and Education Laboratory) at the CTU in Prague. The laboratory acts as a node of the worldwide network of OSGeo laboratories. Martin and his team have contributed to the various international Open Source Geospatial Software projects, especially to GRASS GIS, QGIS, and GDAL. Please see the details in CTU GeoForAll [YouTube channel](#), [Facebook page](#), and [GitHub repositories](#).

In 2016, Martin helped to establish the GISMentors group focused on training open source GIS.

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Editorial Board

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

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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>

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

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Chairs: Maria Brovelli (Italy) and Peter Mooney (Ireland) Subscribe at mail list

<http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-europe>

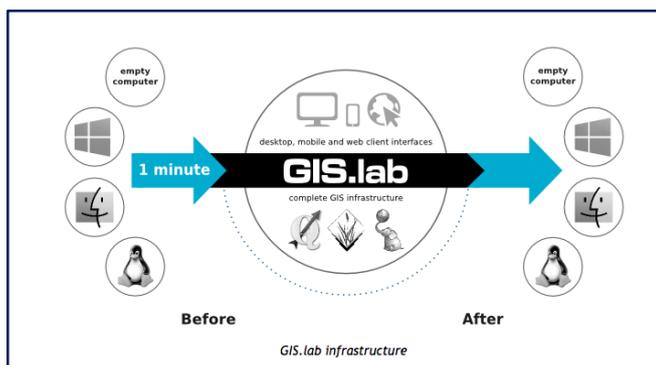
Email: eu.gfa.chair@osgeo.org



continued from page 1

Currently the group consists of several trainers specialized in QGIS, GRASS GIS, GDAL, PostGIS, and GeoServer. The group is very active in the Czech Republic, providing public and also in-house training courses.

One of the recent contribution from Martin and his team of contributors that is of great benefit to our geoeducation efforts is the GIS.lab. GIS.lab is capable of deploying a complete, centrally managed and horizontally scalable GIS infrastructure in a local area network (LAN), data center, or cloud in a few moments. It provides a comprehensive set of free geospatial software seamlessly integrated in to one, easy-to-use system.



It is provided as comprehensive set of free geospatial software seamlessly integrated into one, easy-to-use system with out-of-the-box services capable of running with minimal maintenance requirements for desktop interface. Together with integrated Gisquick (<http://gisquick.org>) publishing platform, it also has web and mobile client interfaces available. Details at <http://gislab-npo.github.io/gislab>.

We are proud to honour Martin Landa as our GeoAmbassador, and we are extremely grateful for his contributions to GeoForAll and for his excellent contributions for expanding geoeducation opportunities for all.

Best wishes,
Suchith Anand

4. Conferences

Europe

June 2018

1. 7-8 June: [Jornadas de SIG libre de Girona](#) (Days of Free SIG in Girona)

Venue: Girona, Spain

2. 13-15 June: [21st International AGILE Conference, AGILE 2018](#) "Geospatial Technologies for All".

Venue: Lund, Sweden

July 2018

3. 28-30 July: [State of the Map 2018](#).

Venue: Politecnico di Milano, Piazza Leonardo da Vinci, Milan, Lombardy, Italy.

October 2018

4. 1-5 October: [ISPRS Com IV Symposium](#)

Venue: Delft, The Netherlands

5. 9-11 October: [5th Open Source Geospatial Research and Education Symposium](#)

Venue: University of Applied Sciences and Arts of Southern Switzerland (SUPSI)

North and Central America and the Caribbean

June 2018

6. 6-9 June: MESCYT - XIV International Scientific Research Congress

Venue: Santo Domingo. Dominican Republic

July 2018

7. 15-17: [Geospatial Use Cases and Core Technical Capabilities](#)

Venue: Chicago, IL. USA.

November 2018

8. 6-9 November: XVIII International Symposium of the Latin American Society of Remote Perception and Systems of Space Information.

Venue: Havana, Cuba

Contact: MSc. Ing. Pedro Luis García Pérez Presidente del Comité Organizador. (537) 836 34 47

pedroluis1664@gmail.com lgarcia@ch.unaicc.cu



9. 9-10 November: Seattle GNU/Linux Conference

Venue: Seattle, Washington, USA.

More information at <http://seagl.org>

Africa

August 2018

10. 27-28 August: [FOSS4G 2018](#) Workshop

28-31 August: FOSS4G 2018: Main Conference

Venue: Dar es Salaam, Tanzania

September 2018

11. 1-2 September: FOSS4G 2018: Code Sprints and Community Events

Venue: Dar es Salaam, Tanzania

October 2018

12. 22-26 October: [International Data Week](#) 'Digital Frontiers of Global Science'

Venue: Gaborone, Botswana

Asia

December 2018

13. 2-5 December: [FOSS4G: ASIA](#) "Open Source for Sustainable Development"

Venue: University of Moratuwa, Sri Lanka

5. Webinars

- [Thinking about QGIS as a consultant and educator.](#)
Webinar by Kurt Menke.

6. Courses

- In India, CBSE Syllabus has included an 'Optional Paper', Class XII (16-year-olds) of GIS. [Vocational Syllabus for Geospatial technology](#) in India.
- Free gvSIG course about crime mapping. GIS for criminology
<https://blog.gvsig.org/2018/05/07/free-course-about-crime-mapping-gis-in-criminology/>

7. Training programs

- GeoForAll educational materials have been transferred to our new web site. [GeoForAll educational inventory system, a place to search and share educational materials](#)
- [Science Gateways Bootcamp](#): Strategies for Developing, Operating, and Sustaining Your Gateway is a week-long workshop for leaders of gateways who want to further develop and scale their work. Participants engage in hands-on activities to help them articulate the value of their work to key stakeholders and to create a strong development, operations, and sustainability plan. The Bootcamp includes:
 - Core business strategy skills
 - Technology best practices
 - Long-term sustainability strategies
 Venue: Chicago, IL. August 13-17
- International Summer School: Geocomputation using free and Open Source Software (20th-24th August 2018) organized by Spatial Ecology (www.spatial-ecology.net) hosted at the Berkeley Institute of Data Science in Berkeley, California, USA.
A 5-day intense experience opening new horizons on the use of the vast potentials of the Linux environment and command line approach for geo-data massive processing using Bash, AWK, Python, GRASS, QGIS, GDAL/OGR, R, and PKtools. We will guide newbies and experienced GIS users who have never used a command line terminal to a stage which will allow them to understand and apply very advanced open source data processing routines. Our focus is to enhance a self-learning approach. This allows participants to keep on progressing and improving their skills in a continuously evolving technological environment. Participation at the Summer School is not free. More information and registration: www.spatial-ecology.net www.facebook.com/spatialecology -> event



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

- [Scripting in gvSIG: Git integration](#). Since gvSIG 2.4, the tools for development in the Scripting Module has been increased. One of this tools is an integration with Git. This tools will help to keep a version control of our plugins.
- [myGeoHub](#) You can find some interesting work for enabling scientists, students and educators to create and share interactive tools and models for processing, analyzing and visualizing geospatial data.
- [GeoDa](#) is a free and open source software tool that serves as an introduction to spatial data analysis. It is designed to facilitate new insights from data analysis by exploring and modeling spatial patterns.
- PostGIS: There is a bug fix release 2.2.7, 2.3.7 and 2.4.4 for the 2.2, 2.3, and 2.4 stable branches. **Please note that PostGIS 2.2 is reaching end-of-life and there will be one more patch release later in the year for it. If you have not upgraded to at least PostGIS 2.3, consider doing so before support for PostGIS 2.2 is discontinued.
- GeoMoose: Version 3.2.0 is now available.

11. Free books, educational materials, etc.

- CEOS is the Committee on Earth Observation Satellites, coordinates civil spaceborne observations of the Earth. Participating agencies strive to address critical scientific questions and to harmonise satellite mission planning to address

gaps and overlaps. CEOS and ESA have launched the EO handbook on ‘Satellite Earth Observations in support of the SDGs’. The online version is at <http://eohandbook.com/sdg/>. You can also download it as PDF file from the same address.

- New free book in Spanish about Remote Sensing and Photointerpretation. You can download from <http://www.tysmagazine.com/libro-gratuito-guia-practica-de-teledeteccion-y-fotointerpretacion/>
- A free book in Spanish has been published about Geoinformatics applied to environment processes. To download, go to <http://www.tysmagazine.com/libro-gratuito-geoinformatica-aplicada-procesos-geoambientales/>
- “Stories of a topographer.” New free book in Spanish. You can download from <http://www.ign.es/web/ign/portal/publicaciones-boletines-y-libros-digitales#DA-Historias-de-un-Topografo>



- “Conservation Technology Series Issue 4: SATELLITE REMOTE SENSING FOR CONSERVATION” New free book. To download go to https://www.researchgate.net/publication/324537528_Conservation_Technology_Series_Issue_4_SATELLITE_REMOTE_SENSING_FOR_CONSERVATION
- Free webinar “Resource Watch- Monitoring the Planet's Pulse” by Craig Hanson from World Resources Institute will be held June 20 at 1:00 PM UTC (6 AM US Pacific, 9AM US Eastern, 14:00 UK, 15:00 Geneva, 16:00 Nairobi, 18:30 New Delhi, 21:00 Beijing). Register here. More information about Resource Watch here.



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

BBSRC: Biotechnology and Biological Sciences Research Council

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

GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security

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

SAR: Synthetic Aperture Radar

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

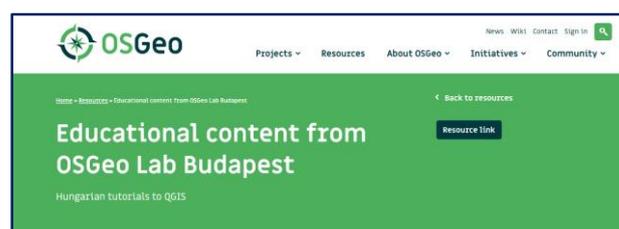
WMTS: Web Map Tiles Services

WOIS: Water Observation Information System

WPS: Web Processing Service

17. Ideas / Information

1. 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. FOSS4G is the annual



global event of the Open Source Geospatial Foundation. It is the largest technical geospatial Open Source conference in the world. The FOSS4G conference focuses on Free and Open Source Software for Geospatial applications. In addition to high level technical talks four key domain are discussed every year to showcase the connection between free and open source software and communities from neighbouring domains. In 2018, the conference will take place in Dar es Salaam, Tanzania, on 29-30-31 August. The four thematic domains selected for this edition are: Urban; Coastal, Marine and the Environment; Widening Access and Humanitarian Mapping; Drones.

2. The U.S. Agency for International Development is offering prize money for ways to combat the fall armyworm, a crop-eating pest that has spread across sub-Saharan Africa.



The USAID warned last week the pests threaten the livelihood of millions of African farmers. "It is targeting maize, a vital staple crop for many families in Africa, and we are calling up on our partners to mobilize their solutions to work with us to control fall armyworms," said Regina Eddy, coordinator of the Fall Armyworm Task Force at the USAID Bureau of Food Security.

The agency is offering a prize of \$150,000 for the most viable solution, two awards of \$75,000 to the "most promising" solutions, and two awards of \$50,000 to an "early stage" solution that shows the most potential.

More details at <https://www.voanews.com/a/usaid-offering-prize-money-to-combat-fall-armyworm-in-africa/4364446.html>

3. The American Geographical Society (AGS) is accepting applications for the AGS Geography Teacher Fellows Initiative for the 2018-19 year.



The application deadline is June 22. This is a professional development program specifically for US geography teachers who teach Advanced Placement Human Geography in high school. More information available [here](#).

