



GeoForAll

Monthly Newsletter



Be part of "Geo for All"

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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.
[\(http://www.meetup.com/OttawaOSGeo/\)](http://www.meetup.com/OttawaOSGeo/)

4. Conferences

Europe

June 2019

1. 10-14 June: [ISPRS Geospatial Week 2019](#)
 Venue: University of Twente, Enschede, The Netherlands

July 2019

2. 1-4 July: [29th EARSeL Symposium 2019](#)
 Venue: Salzburg, Austria

August 2019

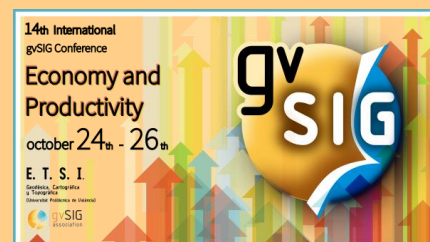
3. 26-30 August: [FOSS4G Bucharest 2019](#)
 Venue: Bucharest, Romania

September 2019

4. 19-20 September: [Hot Summit 2019](#)
 Venue: Heidelberg, Germany
5. 21-23 September: [State of the Map](#)
 Venue: Neuenheimer Feld campus, Chemistry lecture hall building, Heidelberg, Germany

October 2019

6. 8-9 October: [1st International Workshop on Legal and Ethical Issues in Crowdsourced Geographic Information](#)
 Venue: University of Zurich, Zurich, Switzerland
7. 23-25 October: [JIIDE 2019](#) (in Spanish)
 Venue: San Francisco Cultural Complex, San Francisco Round s / n, CÁCERES, Spain
8. 24-26 October: [14th International gvSIG Conference](#)
 Venue: School of Engineering in Geodesy, Cartography and Surveying, Universitat Politècnica de València, Spain.





Editorial Board

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

<p>Chief Editor</p> 	<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
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	<p>Paulo César Coronado Sánchez, Professor of computer sciences at Universidad Distrital Francisco José de Caldas, Head of GISEPROI and OSGeoLabUD research Group. Bogotá, Colombia paulocoronado@gmail.com</p>	Translator and designer of the Spanish Edition



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: Msilikale Msilanga (Tanzania), 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



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November 2019

9. 1-4 November: [12th International Conference of the Hellenic Geographical Society](#) (ICHGS - 2019). "INNOVATIVE GEOGRAPHIES: Mapping and Modeling our World"
Venue: National Technical University of Athens, Athens, Greece



10. 14-16 November: [XI Conference of users of R](#) (in Spanish)
Venue: REPSOL Auditorium and UNED Faculty of Education, Madrid, Spain

North and Central America and the Caribbean

June 2019

11. 10 June: [GeoEd '19](#)
Venue: Jefferson Community and Technical College, Louisville, Kentucky, USA.

12. 12-14 June: [2019 EarthCube Annual Meeting](#)
Venue: Denver, Colorado, USA

July 2019

13. 9-10 July: [Jornada de SIG y Teledetección Libre de Costa Rica](#)
Venue: Auditorio de Educación Continua, University of Costa Rica, School of Geography

August 2019

14. 15-16 August: [11th Conference of Latin America and the Caribbean of gvSIG](#): "Geotechnologies, contributing to the solution of problems of the territory"
Venue: University of Guanajuato, Mexico.



South America

July 2019

15. 1-5 July: XVII Biennial [The International Association for the Study of the Commons](#) (IASC) Conference
Venue: Lima, Peru.

Asia

July 2019

16. 15-20 July: [29th International Cartographic Conference \(ICC2019\)](#)
Venue: Tokyo, Japan.



September 2019

17. 19-20 September: [CODATA 2019](#).
Venue: Beijing, China

Oceania

September 2019

18. 18-21 September: 15th International Conference on [GeoComputation 2019](#)
Venue: Queenstown, New Zealand

19. 18-21: 15th International Conference on [GeoComputation 2019](#)
Venue: Queenstown, New Zealand





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](#)
- 5th International Summer School held at the Univ. of Basilicata, in the magnificent town Matera, Italy.

Geocomputation using free and Open Source Software (3th-7th June 2019).

More info at www.spatial-ecology.net

Students will be guided through the use of a command line interface using advanced open source data processing routines for geo-computation in Linux environment.



- Carleton University's Department of Geography & Environmental Studies, Agriculture and Agri-Food Canada, and Natural Resources Canada have teamed up to deliver a 5-day course which promises to unlock the world of Synthetic Aperture Radar (SAR). Upon completion of this training, participants will be equipped with the skills needed to access, pre-process and analyze SAR data. The course interweaves lectures with hands-on labs, over 5 days (August 12-16, 2019).

This course is aimed at people who already have background in optical remote sensing and image processing, but does not assume any background in SAR.

Please visit

<https://carleton.ca/geography/introduction-to-synthetic-aperture-radar-terrestrial/>

for more details or to register.

12. Articles

Acronyms

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

For those who would like to support this effort, please send any acronyms 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

GODAN: Global Open Data for Agriculture and Nutrition

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

GSoC: Google Summer of Code

HOT: Humanitarian OpenStreetMap Team

HPC: high-performance computing

ICA: International Cartographic Association

ICSU-WDS: International Council for Science – World Data System

IDE: Spatial Data Infrastructure

INSPIRE: Infrastructure for Spatial Information in Europe

IPGH: Pan American Institute of Geography and History

ISO: International Organization for Standardization

ISPRS: International Society for Photogrammetry and Remote Sensing

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

OECD: Organisation for Economic Co-Operation and Development

OER: Open Educational Resources

OGC: Open Geospatial Consortium

OHI: International Hydrographic Office

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

SIG: Geographic Information System

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

UML: Unified Modeling Language

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

From Sergio Acosta Y Lara (translated from Spanish)

Earth observation technologies from satellites (OT) have great potential to inform and facilitate international development work in a coherent way worldwide. Since 2008, the European Space Agency (ESA) has worked closely together with international financing institutions (IFIs) and their client countries to take advantage of EO's benefits in their operations and resource management.

EO4SD - Earth observation for sustainable development - is an ESA initiative that aims to achieve an increase in the application of satellite-based environmental information in the programs of regional and global international financial institutions. It follows a systematic approach, both to meet the needs of long-term geo-spatial information, strategic in developing countries, as well as international and regional development organizations.

Although a wide range of issues have been identified where OT can have an impact, the EO4SD initiative has begun addressing three priority themes: urban development, agriculture and rural development, and water resources management.

The activities of the EO4SD were planned for the period 2016-2019, with the phase I (2016) dedicated to the participation of the actors and the consolidation of the requirements and phase II (2017-2019) focusing on the production and delivery of information of OT in the form of demonstration products, and the development of skills in the form of training workshops with users to ensure that the information brings benefit to operational activities. Under the leadership of the Netherlands eLEAF company (www.eleaf.com), a team of 7 European companies is responsible for the implementation of the EO4SD in Bolivia, Burkina Faso, Cambodia, Ethiopia, Morocco, Paraguay and Uganda. In the training workshops in Latin America there were also participants from Colombia and Uruguay.

It is expected that after the closure of the EO4SD in 2019 some of the current demonstration products will become routine and operational products supporting the various users and their activities. It is also expected that the project has generated interest in the technology resulting in requirements for new information products, possibly developed through



joint projects of the current partners of the EO4SD project and interested entities in Latin America.

For more information on the EO4SD project and its follow-up in Latin America, contact the Local EO4SD Consultant for Latin America (located in Bolivia), Mr. Mirko Delfin Soruco

(mirkodelfinsourco@gmail.com,
delfinmirko2205@hotmail.com).

Link:

https://www.eo4idi.eu/sites/default/files/publication/s/eo4sd_agri_bolivia_paraguay_2019_es.pdf

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.

2. By Suchith Anand

There is a lot of work done by GeoForAll colleagues that might be useful. One example is the **FOSS4G GeoAcademy Curriculum lectures and labs**. These are maintained and made available for download from the Spatial {Query} Lab on behalf of the [GeoAcademy](#). The lectures focus on a vendor-agnostic set of theories and principles.

These lectures and labs are freely available for you to use and are released under the [Creative Commons Attribution 3.0 Unported license](#). The lectures and labs are aligned to the [Geospatial Technology Competency Model](#), and all labs focus on the use of Free and Open Source GIS Software (FOSS4G). All of the labs are also available on [GitHub](#).

The following courses are available:

[GST 101 – Introduction to Geospatial Technology \(QGIS\)](#)

[GST 102 – Spatial Analysis \(QGIS\)](#)

[GST 103 – Data Acquisition and Management \(QGIS\)](#)

[GST 104 – Cartographic Design \(QGIS and Inkscape\)](#)

[GST 105 – Introduction to Remote Sensing \(QGIS and GRASS\)](#)

All details and courses at <http://spatialquerylab.com/foss4g-academy-curriculum/>

You can download the software and resources from <http://www.osgeo.org/initiatives/geo-for-all/in-your-classroom/>

3. Developing open geospatial educational material for two challenges:

Challenge 1: PostGIS training material update

Challenge 2: Open geospatial data and software for UN SDG 16, Peace justice and strong institutions

Prize money of USD 3,000 for each challenge is sponsored by OSGeo.

Deadline for submission is 9 July 2019 (with no extension).

Information is available at:

<https://www.osgeo.org/foundation-news/2019-osgeo-un-committee-educational-challenge/>

4. Group on Earth Observations (GEO) is pleased to announce that the [first version of the 2020-2022 GEO Work Programme](#) is now available. In addition to this summary document, you can download the full implementation plans for each proposed activity on our [website](#). Details at

http://www.earthobservations.org/gwp2020_dev.php

