



# GeoForAll

Monthly Newsletter



Be part of "Geo for All"

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## 4. Conferences

### Europe

#### February 2025

- 1. 24-26: [GeoPython 2025](#)  
Venue: Basel, Switzerland

#### May 2025

- 2. 16-17: [EUROGEO](#) (details soon)  
Venue: Skopje, North Macedonia

### South America

#### November 2024

- 3. 4-8: [XXI SIMPOSIO INTERNACIONAL SELPER](#)  
Venue: Belém, Brazil

#### December 2024

- 4. 01-08: [FOSS4G](#) (stay tuned for more news in the future)  
Venue: Belém, state of Pará, Brazil

### Asia

#### November 2024

- 5. 17-21: The 2nd [Ramon International Geospatial Intelligence 360](#) Conference Geospatial Intelligence for Sustainable and Resilient Future  
Venue: Tel-Aviv, Israel

## 5. Webinars

- If you want to start learning how to use QGIS, there are some excellent free resources at <https://www.gislounge.com/free-ways-to-learn-qgis/>



## 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 <a href="mailto:labrinos@eled.auth.gr">labrinos@eled.auth.gr</a></p>	Oceania
<p>Co-editor</p> 	<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.
<p>Co-editors</p> 	<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.
<p>Co-editor</p> 	<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
<p>Co-editor</p> 	<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
<p>Co-editor</p> 	<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.
<p>Co-editor</p> 	<p>Emma Strong Planner with Pueblo County, Colorado <a href="mailto:eestrong118@gmail.com">eestrong118@gmail.com</a></p>	North and Central America
<p>Co-editor</p> 	<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
<p>Co-editor</p> 	<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
<p>Production Designer</p> 	<p>Nikos Voudrisslis, MSc, PhD in geography education. <a href="mailto:nvoudris@gmail.com">nvoudris@gmail.com</a></p>	Design and final formation of the newsletter
	<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 <a href="mailto:paulocoronado@gmail.com">paulocoronado@gmail.com</a></p>	Translator and designer of the Spanish Edition



## GeoForAll Themes

### ▪ OpenCity Smart

Theme under revision

### ▪ 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)

### ▪ 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>

## 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](mailto: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](mailto: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](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)



## GeoAmbassador Content table

July 2016, Vol.2, no.7	Prof. Georg Gartner, Vienna University of Technology
Aug 2016, Vol.2, no.8	Prof. Silvana Philippi Camboim, Federal University of Paraná, Brazil
Sep 2016, Vol.2, no.9	Nimalika Fernando, Sri Lanka
Oct 2016, Vol.2, no.10	Sergio Acosta Y Lara, Montevideo Uruguay
Nov 2016, Vol. 2, no. 11	Victoria Rautenbach, Centre of Geoinformation Science Univ. of Pretoria, South Africa
Dec 2016, Vol.2, no.12	Dr. Daria Svidzinska, Taras Shevchenko National University of Kyiv, Ukraine
Jan 2017, Vol.3 no.1	Dr. Mark Ware, University of South Wakes, UK
Feb 2017, Vol.3, no. 2	Dr. Rafael Moreno Sanchez, Department of Geography and Environmental Sciences, University of Colorado Denver, USA
March 2017, Vol.3 no.3	Dr. Tuong Thuy Vu, School of Environmental and Geographical Sciences, University of Nottingham, Malaysia campus
April 2017, Vol.3 no.4	Michael P. Finn, U.S. Geological Survey
May 2017, Vol.3 no.5	Dr. Peter Mooney, Maynooth University, NASA
June 2017, Vol.3 no.6	Patrick Hogan, NASA
July 2017, Vol.3 no.7	Prof. Dr. Josef Strobl, Salzburg
September 2017, Vol.3 no.9	Bridget Fleming, South Africa
October 2017, Vol.3 no.10	Sven Schade, Joint Research Centre, Italy
November 2017, Vol.3 no.11	Luciene Stamato Delazari, Universidade Federal do Paraná in Brazil
December 2017, Vol.3 no.12	Charlie Schweik, Univ. of Massachussets, USA
January 2018, Vol.4 no.1	Julia Wagemann, European Centre for Medium-Range Weather Forecasts
February 2018, Vol.4 no.2	Barend Köbben, Department of Geo-Information Processing University of Twente
March 2028, Vol.4 no.3	Kurt Menke, Birds Eye View
April 2018, Vol.4 no.4	Dr. Clous Rinner, Department of Geography and Environmental Studies at Ryerson University, Toronto, Canada
June 2018, Vol.4, no.6	Martin Landa, Department of Geomatics, Faculty of Civil Engineering, Czech Technical University (CTU) in Prague

## Lab of the Month, Content table

Aug 2015, Vol.1 no.1	Open Source Geospatial Lab, Kathmandu University, Nepal (Asia)
Sep 2015, Vol.1 no.2	FOSS4G Lab, University of Colarado Denver (USA)
Oct 2015, Vol.1, no.3	Open Source Geospatial Lab, University of Southampton, UK (Europe)
Nov 2015, Vol.1 no.4	The Northeast Institute of Geography and Agroecology of Chinese Academy of Science, China (Asia)
Jan 2016 , Vol.2 no.1	Centre for Geoinformation Science, University of Pretoria, South Africa, (Africa)
Feb 2016, Vol.2 no.2	Open Source Geospatial Lab, University of Newcastle, UK, (Europe)
Mar 2016, Vol.2 no.3	SMART Open Source Geospatial Lab, University of Wollongong, (Australia)
Apr 2016, Vol.2 no.4	Regional Centre for Mapping of Resources for Development, Nairobi, Kenya (Africa)
May 2016, Vol.2 no.5	GeoDa Centre – Arizona State University, (USA)
June 2016, Vol.2 no.6	Direccion Nacional de Topografia – MTOP Montevideo, Uruguay, (South America)
July 2016, Vol.2 no.7	SIGTE – University of Girona, Spain (Europe)
August 2016, Vol.2 no.8	Open Source Geospatial Lab, Department of Geodesy and Surveying, Budapest Univ. of Technology and Economics, Hungary (Europe).
September 2016, Vol.2 no.9	Open Source Geospatial Lab, Faculty of Geodesy, University of Zagreb, Croatia, (Europe)
October 2016, Vol.2 no.10	Hellenic digital earth Centre of Excellence, Aristotle University of Thessaloniki, Greece, (Europe)
November 2016, Vol.2 no.11	Department of Geoinformatics, Palacký University in Olomouc, Czech Republic
December 2016, Vol.2 no.12	Asian Institute of Technology, Bangkok, Thailand
January 2017, Vol.3 no.1	Spatial Lab, Texas A&M, Corpus Christi, USA
February 2017, Vol.3 no.2	Open Source Geospatial Lab, Faculty of Civil Engineering, Belgrade, Serbia
March 2017, Vol.3 no.3	Geomatics and Earth Observation Laboratory (GEOLab) , Politecnico di Milano, Italy
April 2017, Vol.3 no.4	Faculty of Civil Engineering, Department of Geomatics, Czech Technical University in Prague, Czech Republic
May 2017, Vol.3 no.5	the Laboratory of socio-geographical research of the University of Siena, ITALY
June 2017, Vol.3 no.6	A World Bridge program
July 2017, Vol.3 no.7	Department of Civil, Environmental and Mechanical Engineering of the University of Trento, Italy
August 2017, Vol.3 no.8	Institute of Geography, Faculty of Science, Pavol Jozef Šafárik University in Košice, Slovakia
November 2020, Vol.6 no.11	Universitat Oberta de Catalunya (UOC), Spain
January 2021, Vol.7 no.01	gvSIG Uruguay Community, Uruguay



## 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](#)
- [Copernicus MOOC](#)  
On going MOOCs in English.  
The course addresses three key topics
  - Chapter 1 – Understanding Copernicus data and services – what they are, and how they can be accessed and used
  - Chapter 2 – Learning from success stories – understanding how existing Copernicus-enabled services and applications have been developed and deployed
  - Chapter 3 – Doing it yourself – acquiring the key skills and knowledge to develop and deploy Copernicus-enabled products and services and to navigate the Copernicus ecosystem.
- [Course: Geocomputing for environmental applications: using GDAL and GRASS \(2024\)](#) (in Spanish)

Start Date: 19 November

End Date: 19 December

**This course is an initiative in the framework of NSF-funded POSE project TI-2303651: [Growing GRASS OSE for Worldwide Access to Multidisciplinary Geospatial Analytics](#)**

Registration: Free

Instructor: Giuseppe Amatulli, Ph.D.

Teaching Assistant: Juana Mercedes Perlaza Rodriguez Ph.D

Contact email: [jperlaza35@gmail.com](mailto:jperlaza35@gmail.com)

- Methane Observations for Large Emission Event Detection and Monitoring

Start Date: Nov. 19

End Date: Nov. 21

Host: NASA ARSET

Format: Online course, Workshop

Language: English, Spanish

Contact name: Sarah Cutshall

Contact email: [sarah.cutshall@nasa.gov](mailto:sarah.cutshall@nasa.gov)

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

- Visit the YouTube QGIS channel at <https://www.youtube.com/channel/UCGS162t4hkOA0b35ucf1yng/videos> to get videos of QGIS applications, representations and ideas.
- [GeoFocus](#) (ISSN:1578-5157) is the open-access Journal of the [Geographical Information Technologies Working Group](#) of the [Spanish Geographical Association](#). It has been continuously published since 2001 in electronic format and without **publication fees**, and it is open to contributions from the international scientific community, being a reference publication in the field of theory, methods, developments, and applications of Geographical Information Science and Technology. Two annual issues are published, and the official publication languages are English, Spanish, and Portuguese.
- An article from a research that was carried out with free software QGIS and R language and that has just been published: <https://revistas.uca.edu.sv/index.php/ilia/article/view/8500> It is a case study in El Salvador on the evolution of the urban area.
- A channel on Peertube from the Central American University José Simeón Cañas of El Salvador where there are projects, video tutorials on GIS and Remote Sensing with free and open source software: <https://makertube.net/c/siguca/videos>



## 12. Article

### 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](mailto:labrinos@eled.auth.gr)).

3DEP: 3-D Elevation Program

AAG: Association of American Geographers

AGI: Ambient Geographic Information

AGS: American Geographical Society

AGU: American Geophysical Union

AI: Artificial Intelligence

AM/FM: Automated Mapping/Facilities Management

AOSP: African Open Space Platform

API: Application Programming Interface

ASPRS: American Society for Photogrammetry and Remote Sensing

AURIN: Australian Urban Research Infrastructure Network

BBSRC: Biotechnology and Biological Sciences Research Council

BDS: BeiDou Navigation Satellite Demonstration System

BIM: Building Information Modelling

CAADP: Comprehensive African Agricultural Development Programme

CAD: Computer Aided Design

CaGIS: Cartography and Geographic Information Society

CCGI: Collaboratively Contributed Geographic Information

CEGIS: Center of Excellence for Geospatial Information Science

CEOS: Committee on Earth Observation Satellites

CHIRPS - Climate Hazards Group InfraRed Precipitation with Station data

CI: CyberInfrastructure

CLGE: The Council of European Geodetic Surveyors

CODATA: Committee on Data for Science and Technology

COGO: Coordinate geometry

CRC: Census Research Centre

CRS: Coordinate Reference System

CSA: Canadian Space Agency

CSSTEAP: Center for Space Science & Technology Education in Asia and the Pacific

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

FDO: FAIR (Find, Access, Interoperate, and Reuse) Digital Objects

FOSS: Free and Open Source Software

FOSS4G: Free and Open Source Software For Geospatial

GCP: Ground Control Point

GDAL: Geospatial Data Abstraction Library

GEO: Group on Earth Observations

GEO: Geosynchronous Earth Orbits

GloFAS: Global Flood Awareness System



GNSS: Global Navigational Satellite System	MIL: Media and Information Literacy
GODAN: Global Open Data for Agriculture and Nutrition	MoU: Memorandum of Understanding
GPS: Global Positioning System	MSS: Multispectral Scanner
GPX: GPS Exchange Format	NAD: North American Datum
GRACE: Gravity Recovery and Climate Experiment (satellite program)	NARSS: National Authority for Remote Sensing and Space Sciences of Egypt
GRASPgfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security	NCSA: National Center for Supercomputing Applications
GSoC: Google Summer of Code	NDVI - Normalized Difference Vegetation Index
HLPF: High Level Political Forum (of UN)	NDWI - Normalized Difference Water Index
HOT: Humanitarian OpenStreetMap Team	NED: National Elevation Dataset
HPC: high-performance computing	NEPAD: NEw Partnership for African Development
ICA: International Cartographic Association	NGA: National Geospatial Intelligence Agency
ICIMOD – International Centre for Integrated Mountain Development	NHD: National Hydrologic Dataset
ICSU-WDS: International Council for Science – World Data System	NIR - Near-Infrared
IDE: Spatial Data Infrastructure	NLCD: National Land Cover Dataset
IFAD – International Fund for Agricultural Development	NOOSA: United Nations Office for Outer Space Affairs
INSPIRE: Infrastructure for Spatial Information in Europe	NRSA: Indian National Remote Sensing Agency
IPCC – Intergovernmental Panel on Climate Change	NSDI: National Spatial Data Infrastructure
IPGH: Pan American Institute of Geography and History	NSF: National Science Foundation
ISO: International Organization for Standardization	OECD: Organisation for Economic Co-Operation and Development
ISPRS: International Society for Photogrammetry and Remote Sensing	OER: Open Educational Resources
ISRO: Indian Space Research Organization	OGC: Open Geospatial Consortium
JAXA: Japan Aerospace Exploration Agency	OHI: International Hydrographic Office
KML: Keyhole Markup Language	OSGeo: Open Source Geospatial Foundation
LBS: Location-Based Service	OSM: OpenStreetMap
LEO: Low Earth Orbits	OTB: Orfeo Tool Box
LiDAR: Light Detection and Ranging	PPGIS: Public Participation in Geographic Information Systems
LOC: Local Organizing Committee	PPSR: Public Participation in Scientific Research
LOD: Level Of Detail	RBV: Return Beam Vidicon
MEO: Medium Earth Orbits	RCMRD: Regional Centre for Mapping of Resources for Development
	RDA: Research Data Alliance
	ROSCOSMOS: Russian Federal Space Agency
	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

SDG: Sustainable Development Goal

SDI: Spatial Data Infrastructure

SIG: Geographic Information System

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

SPIDER: open SPatial data Infrastructure eEducation nEtwork

SQL: Structured Query Language

STISA 2024: Science Technology Innovation Strategy for Africa

STSM: Short Term Scientific Missions

SWIR: Short Wave Infrared

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

VNIR: Visible Near Infrared

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. If you are interested in educational material, then go to <https://www.osgeo.org/initiatives/geo-for-all/in-your-classroom/> where you can find software resources for your classroom. Also, go to "Resources" <https://www.osgeo.org/resources/> to get a guidance on how to use open source projects and tools.

2. YouthMappers are proud to announce that they have been awarded by the University Consortium for Geographic Information Science the GIScience Education Award, being the first organization to receive it. More details at <https://www.ucgis.org/site/youthmappers-innovation>

3. [OpenStreetMap \(OSM\)](https://www.openstreetmap.org/) celebrated 20 years of providing open source geospatial data, and YouthMappers chapters across the globe celebrated the momentous occasion with mapathons, workshops, virtual gatherings, and, of course, birthday cake! <https://birthday20.openstreetmap.org/> (reprinted from YouthMappers 3<sup>rd</sup> Quarterly Newsletter 2024).

4. The [YouthMappers Validation Hub](https://www.youthmappers.org/) released [JOSM](https://www.youthmappers.org/) and [Validation](https://www.youthmappers.org/) Training Documents in French. Find the new training documents, as well as the previously released English and Spanish versions, [here](https://www.youthmappers.org/).

5. In June 2024 the "GEO-OPEN-HACK-2024: Big Geospatial Data Hackathon with Open Infrastructure and Tools (advance level)" (<https://iiasa.ac.at/events/jun-2024/geo-open-hack-2024-big-geospatial-data-hackathon-with-open-infrastructure-and-tools>) took place, and now we are happy to share all the material and video at [https://spatial-ecology.net/docs/build/html/COURSESAROUNDTHEWORLD/course\\_GEO-OPEN-HACK-2024\\_06\\_2024.html](https://spatial-ecology.net/docs/build/html/COURSESAROUNDTHEWORLD/course_GEO-OPEN-HACK-2024_06_2024.html)

We especially encourage you to watch the hands-on sessions, as they provide valuable information to enhance your geo-spatial computation capabilities.

