



GeoForAll

Monthly Newsletter



Be part of "Geo for All"

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3. Events

- The links to the presentations of the 3rd United Nations Open Science Conference, "Accelerating the Sustainable Development Goals, Democratizing the Record of Science" are available at <https://www.un.org/library/OS23>

4. Conferences

South America

November 2023

- 21-25: [XIII Remote Sensing Education Conference](#)

Venue: Manaus / Amazonas / Brazil



Asia

October 2023

- 30/10 – 3/11: [Asian Conference on Remote Sensing 2023](#)

Venue: Taipei, Taiwan

December 2023

- 4-5: The 2nd Ramon [International Geospatial Intelligence](#) 360 Conference Geospatial Intelligence for Sustainable and Resilient Future

Venue: Tel-Aviv, Israel

Europe

July 2023

- 4-6: [GI Salzburg23](#)

Venue: Salzburg, Austria

- 11-14: [13th International Symposium on Digital Earth](#)

Venue: Athens, Greece



Africa

September 2023

- 2-7: [ISPRS Geospatial Week 2023](#)

Venue: Cairo, Egypt

North America

October 2023

- 24-25: [FOSS4G North America](#)

Venue: Baltimore, Maryland, USA



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

Theme under revision

▪ 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



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 2018, 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 Colorado 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



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/>



- **Geoprocessing using Python**

Start date: July 17, 2023

End date: Aug. 18, 2023

Host: Indian Institute of Remote Sensing, Indian Space Research Organization

Organizer: Indian Institute of Remote Sensing, Indian Space Research Organization

Format: Online course

Language: English

Application deadline: July 7

Contact name: Harish Karnatak

Contact email: harish@iirs.gov.in

Link: <https://www.iirs.gov.in/webinar>



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](#)

9. Funding opportunities, bids, jobs, etc

A new NASA funding opportunity is available for early career Earth scientists.

See details [here](#)

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.

- **Community Use of Light Drones for the Management, Conservation, and Defense of the Territory**

We are delighted to share the book "Uso comunitario de drones ligeros para la gestión, conservación y defensa del territorio" (in Spanish) "Community Use of Light Drones for the Management, Conservation, and Defense of the Territory," a document dreamt of and written by Nicolás Vargas-Ramírez, Jaime Paneque-Gálvez, and the Jardines de la Mintsita Ecological Community within the framework of work led by the Research Group on Science and Community Territorial Knowledge (GICOTE).

Our main objective with this book is to provide enough information on the necessary elements for community use of light drones in their different phases (equipment selection, flight types, capture, storage, processing, analysis and use of information, applicable regulatory aspects, and best practices for their use). This book is available for free download on ResearchGate under the international Creative Commons Attribution-NonCommercial-ShareAlike 4.0 license:



<https://www.researchgate.net/publication/370100253>
 53 [Uso comunitario de drones ligeros para la gestión conservación y defensa del territorio](#)

We hope that this book, available only in digital version, will take flight through cyberspace and land in those communities, collectives, and organizations interested in exploring or consolidating the use of drones as a tool to manage, conserve, and defend their territories.



- Get your free copy of the Open Source GIS chapter of the Springer Handbook of Geographic Information before the paywall goes up by the end of April:

https://link.springer.com/content/pdf/10.1007/978-3-030-53125-6_30.pdf

The chapter covers QGIS and related tools, such as GDAL/OGR, GeoBlackLight, Geopaparazzi, GeoPython, GeoServer, GeoTools, GMT, GPlates, GRASS GIS, gvSIG, Java Topolgy Suite, Mapserver, leaflet, NASA WorldWind, OSGeoLive, PROJ, PostGIS, QGIS and rasdaman – including links to conference videos and the 1987 GRASS GIS video narrated by William Shatner (of Star Trek fame) for additional content! New: Learn how to cite QGIS by its Digital Object Identifier (DOI) to give scientific credit to the QGIS developer team:

<https://doi.org/10.5281/zenodo.5869837>

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).

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

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

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

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

GODAN: Global Open Data for Agriculture and Nutrition

GPS: Global Positioning System

GPX: GPS Exchange Format

GRACE: Gravity Recovery and Climate Experiment (satellite program)

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

GSoC: Google Summer of Code

HLPF: High Level Political Forum (of UN)

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

ISRO: Indian Space Research Organization

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

LBS: Location-Based Service

LEO: Low Earth Orbits

LiDAR: Light Detection and Ranging

LOC: Local Organizing Committee

LOD: Level Of Detail



MEO: Medium Earth Orbits	SaaS: Software as a Service
MIL: Media and Information Literacy	SAR: Synthetic Aperture Radar
MoU: Memorandum of Understanding	SDG: Sustainable Development Goal
MSS: Multispectral Scanner	SDI: Spatial Data Infrastructure
NAD: North American Datum	SIG: Geographic Information System
NCSA: National Center for Supercomputing Applications	SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain
NED: National Elevation Dataset	SPIDER: open SPatial data Infrastructure eDucation nETwoRk
NEPAD: NEw Partnership for African Development	SQL: Structured Query Language
NGA: National Geospatial Intelligence Agency	STISA 2024: Science Technology Innovation Strategy for Africa
NHD: National Hydrologic Dataset	STSM: Short Term Scientific Missions
NLCD: National Land Cover Dataset	SWIR: Short Wave Infrared
NOOSA: United Nations Office for Outer Space Affairs	TIN: Triangulated Irregular Network
NRSA: Indian National Remote Sensing Agency	UAV: Unmanned Aerial Vehicle
NSDI: National Spatial Data Infrastructure	UML: Unified Modeling Language
NSF: National Science Foundation	UN-GGIM: United Nations Global Geospatial Information Management
OECD: Organisation for Economic Co-Operation and Development	USGS: U.S. Geological Survey
OER: Open Educational Resources	USGIF: United States Geospatial Intelligence Foundation
OGC: Open Geospatial Consortium	VGI: Volunteered Geographic Information
OHI: International Hydrographic Office	VNIR: Visible Near Infrared
OSGeo: Open Source Geospatial Foundation	XSEDE: Extreme Science and Engineering Discovery Environment
OSM: OpenStreetMap	WCS: Web Coverage Service
OTB: Orfeo Tool Box	WFS: Web Feature Service
PPGIS: Public Participation in Geographic Information Systems	WGCapD: Working Group on Capacity Building and Data Democracy
PPSR: Public Participation in Scientific Research	WGS: World Geodetic System
RBV: Return Beam Vidicon	WISERD: Wales Institute of Social & Economic Research, Data & Methods
RCMRD: Regional Centre for Mapping of Resources for Development	WMO: World Meteorological Organization
RDA: Research Data Alliance	WMS: Web Map Service
ROSCOSMOS: Russian Federal Space Agency	WMTS: Web Map Tiles Services
ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring	WOIS: Water Observation Information System
RUFORUM: Regional Universities Forum for capacity building in agriculture	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. Call for article submission

[The International Journal for Participatory Mapping](#) (IJPM) Editorial Board (journal@pmappingsociety.org) has identified special themes for the first four issues which will cover the first two years of the publication. Papers can be submitted for peer review anytime before the deadlines outlined in the theme calls. You need to indicate your intent to submit a paper by email to the guest editor of a special issue with the title of the paper, authors, and abstract. The full manuscript, as a word document, will be uploaded to [IJPM Dashboard](#).

Issue 1 - Unravelling the history, theory, scope, and politics of participatory mapping (submit by June 1st, 2022)

Issue 2 - Methods and Practice of Participatory Mapping (submit by December 1st, 2022)

Issue 3-Indigenous and Rural Community Mapping (submit by April 2023)

Issue 4 - The Impact of Participatory Mapping on Urban Planning and Development (submit by August 2023)

If you're unsure if your topic fits within the scope of the journal, please email

journal@pmappingsociety.org.

3. From Suchith Anand

(Suchith.Anand@nottingham.ac.uk)

Senior Adviser to Governments and International Organisations | Scientist | Board member | Governance | Policy | Consultant in Data Science and Data Ethics | Global Citizen | SDG Volunteer and Advocate

In response to the rapid emergence of new and powerful generative AI tools, on Thursday, UNESCO held the first global meeting of Ministers of Education to explore the immediate as well as far-reaching opportunities, challenges, and risks that AI applications pose to education systems. Over 40 Ministers came together to share policy approaches and plans on how best to integrate these tools into education. During the online discussion on 25 May 2023, UNESCO presented a roadmap on generative AI and education, including open multistakeholder dialogue.

Details at <https://www.unesco.org/en/articles/ai-unesco-mobilizes-education-ministers-around-world-co-ordinated-response-chatgpt>

