



# GeoForAll

Monthly Newsletter



Be part of "Geo for All"

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## 4. Conferences

### North America

#### March 2023

1. 23-27: [AAG Annual Meeting](#)

Venue: Denver, CO, USA

### South America

#### April 2023

2. 2-5: [XX Brazilian Remote Sensing Symposium - SBSR](#)

Venue: Florianópolis Convention Center, State of Santa Catarina, Brazil.

### Asia

#### April 2023

3. 24-27: [UN World Data Forum](#)

Venue: Hangzhou, Zhejiang, China

### Europe

#### June 2023

4. 14-15: [Jornada SIG Libre](#) (GIS Conference)

Venue: University of Girona, Girona, Spain

## 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/>

## 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](#)





## 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 Voudrislis, 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 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



## 8. Key Research Publications

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- “Global Community Guidelines for Documenting, Sharing, and Reusing Quality Information of Individual Digital Datasets” available at <https://datascience.codata.org/articles/10.5334/dsj-2022-008/>

## 9. Funding opportunities, bids, jobs, etc

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From Dr. Lucy Bastin ([l.bastin@aston.ac.uk](mailto:l.bastin@aston.ac.uk), Aston University, Birmingham, UK)

**Are you looking for a challenging and rewarding job where you can mobilise diverse data for practical environmental decision-making and communicate the results to a wide audience?** We are advertising two research posts on the Horizon Europe / Innovate UK project 'All Data For Green Deal' (<https://www.ad4gd.eu/>)

The post holders will join the highly-respected School of Informatics and Digital Engineering at Aston University (Birmingham, UK) working with a consortium of expert partners from across Europe.

AD4GD's goal is to enable integration of data from remote sensing, citizen science, Internet of Things (IoT), socio-economic data and VREs / research infrastructures, to deliver interoperable, scalable, and reliable services that support decision-making around Green Deal priorities. The Aston University team will work on interdisciplinary tasks to lay the groundwork for three exciting pilot studies focusing on pollution, biodiversity, and climate change, and will then coordinate the implementation of those pilot studies.

**Postdoctoral Research Associate in applied informatics / FAIR and interoperable environmental data science**

Full job details: <https://tinyurl.com/aston-pdra-fair>

To apply:

<https://jobs.aston.ac.uk/Vacancy.aspx?ref=R230014>

**Research Assistant/ Postdoctoral Research Associate in environmental / geospatial modelling and data management**

Full job details: <https://tinyurl.com/aston-ra-pdra-env>

To apply:

<https://jobs.aston.ac.uk/Vacancy.aspx?ref=R230015>

Please submit your application with contact details of 3 referees, a CV, and covering letter stating why you are interested and what you would bring to the project. For informal enquiries or further information, please directly contact Dr Lucy Bastin ([l.bastin@aston.ac.uk](mailto:l.bastin@aston.ac.uk)). **The closing date for applications is 15<sup>th</sup> February.**

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

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- Visit the YouTube QGIS channel at <https://www.youtube.com/channel/UCGS162t4hkOA0b35ucf1yng/videos> to get videos of QGIS applications, representations and ideas.

## 12. Article

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### 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





API: Application Programming Interface	DXF: Drawing Interchange File
ASPRS: American Society for Photogrammetry and Remote Sensing	ECMWF: European Center for Medium range Weather Forecasting
AURIN: Australian Urban Research Infrastructure Network	EOS: Earth Observation Science
BBSRC: Biotechnology and Biological Sciences Research Council	EOSDIS: Earth Observing System and Data Information System
BDS: BeiDou Navigation Satellite Demonstration System	EPA: Environmental Protection Agency
BIM: Building Information Modelling	EPSG: European Petrol Survey Group (used in projection IDs)
CAADP: Comprehensive African Agricultural Development Programme	ESA: European Space Agency
CAD: Computer Aided Design	ESERO: European Space Education Resource Office
CaGIS: Cartography and Geographic Information Society	EUROGI: European Umbrella Organisation for Geographic Information
CCGI: Collaboratively Contributed Geographic Information	EuroSDR: European Spatial Data Research
CEGIS: Center of Excellence for Geospatial Information Science	FOSS: Free and Open Source Software
CEOS: Committee on Earth Observation Satellites	FOSS4G: Free and Open Source Software For Geospatial
CI: CyberInfrastructure	GCP: Ground Control Point
CLGE: The Council of European Geodetic Surveyors	GDAL: Geospatial Data Abstraction Library
CODATA: Committee on Data for Science and Technology	GEO: Group on Earth Observations
COGO: Coordinate geometry	GEO: Geosynchronous Earth Orbits
CRC: Census Research Centre	GloFAS: Global Flood Awareness System
CRS: Coordinate Reference System	GNSS: Global Navigational Satellite System
CSA: Canadian Space Agency	GODAN: Global Open Data for Agriculture and Nutrition
CSSTEAP: Center for Space Science & Technology Education in Asia and the Pacific	GPS: Global Positioning System
CUDA: Compute Unified Device Architecture	GPX: GPS Exchange Format
DAAC: Distributed Active Archive Center (of NASA)	GRACE: Gravity Recovery and Climate Experiment (satellite program)
DEM: Digital Elevation Model	GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security
DSM: Digital Surface Models	GSoC: Google Summer of Code
DWG: Design file format	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
- MIL: Media and Information Literacy
- MoU: Memorandum of Understanding
- MSS: Multispectral Scanner
- 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
- NOOSA: United Nations Office for Outer Space Affairs
- NRSA: Indian National Remote Sensing Agency
- 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
- PPGIS: Public Participation in Geographic Information Systems
- PPSR: Public Participation in Scientific Research
- RBV: Return Beam Vidicon
- 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 eDucation 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

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](mailto:journal@pmappingsociety.org).

3. From Dr. Suchith Anand ([Suchith.Anand@nottingham.ac.uk](mailto:Suchith.Anand@nottingham.ac.uk) Senior Adviser to Governments and International Organisations) NASA has declared 2023 the Year of Open Science to celebrate the benefits and successes of open science, and inspire more scientists to join the movement. Ultimately, the success of the Year of Open Science will be driven by collaborations with individuals, teams, and organizations who are ready to transform the culture of scientific research into one that celebrates openness and inclusion.

More details at <https://nasa.github.io/Transform-to-Open-Science/year-of-open-science/>

## 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](mailto:journal@pmappingsociety.org)) has identified special themes for the first four issues which will cover the first two years of the publication.

