



GeoForAll

Monthly Newsletter



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Table of Contents

Editorial
 Editorial Board 2
 1. Activities
 2. A) Lab of the month.....
 B) GeoAmbassador
 3. Events
 4. Conferences 1
 5. Webinars 5
 6. Courses
 7. Training programs 5
 8. Key research publication.....
 9. Funding opportunities 5
 10. New free and open software, open data
 11. Free Books 5
 12. Articles 5
 13. Scholarships for students and staff
 14. Exchange programs for students and staff
 15. Awards
 16. Web sites
 17. Ideas 8
 18. Social contribution

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

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:

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<p>Production Designer</p> 	<p>Nikos Voudrislis, MSc, PhD in geography education. nvoudris@gmail.com</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 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>

<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 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 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/>

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.

- This article on AI might be of interest. Details at <https://peopleofcolorintech.com/articles/timnit-gebru-and-emile-torres-call-out-racist-roots-of-the-tech-elites-ai-ideologies/>
- Article on “AI regulation: Why Africa must have a voice in global talks”. Details at <https://african.business/2023/06/technology-information/ai-regulation-africa-must-have-a-voice-in-global-talks>
- Paper on “Generative AI and the future of education”. Details at <https://unesdoc.unesco.org/ark:/48223/pf0000385877>
- Researchers back African Union to join G20 group of largest economic powers. Including African Union in the G20 is a matter of ethics and fairness, researchers say. Details at <https://www.nature.com/articles/d41586-023-01014-z>
- Reuters article on India seeks African Union's full membership in G20 <https://www.reuters.com/world/indias-modi-seeks-african-unions-full-membership-g20-2023-06-18/>
- G20 details at <https://www.g20.org/>

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)	Affairs
HOT: Humanitarian OpenStreetMap Team	NRSA: Indian National Remote Sensing Agency
HPC: high-performance computing	NSDI: National Spatial Data Infrastructure
ICA: International Cartographic Association	NSF: National Science Foundation
ICSU-WDS: International Council for Science – World Data System	OECD: Organisation for Economic Co-Operation and Development
IDE: Spatial Data Infrastructure	OER: Open Educational Resources
INSPIRE: Infrastructure for Spatial Information in Europe	OGC: Open Geospatial Consortium
IPGH: Pan American Institute of Geography and History	OHI: International Hydrographic Office
ISO: International Organization for Standardization	OSGeo: Open Source Geospatial Foundation
ISPRS: International Society for Photogrammetry and Remote Sensing	OSM: OpenStreetMap
ISRO: Indian Space Research Organization	OTB: Orfeo Tool Box
JAXA: Japan Aerospace Exploration Agency	PPGIS: Public Participation in Geographic Information Systems
KML: Keyhole Markup Language	PPSR: Public Participation in Scientific Research
LBS: Location-Based Service	RBV: Return Beam Vidicon
LEO: Low Earth Orbits	RCMRD: Regional Centre for Mapping of Resources for Development
LiDAR: Light Detection and Ranging	RDA: Research Data Alliance
LOC: Local Organizing Committee	ROSCOSMOS: Russian Federal Space Agency
LOD: Level Of Detail	ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring
MEO: Medium Earth Orbits	RUFORUM: Regional Universities Forum for capacity building in agriculture
MIL: Media and Information Literacy	SaaS: Software as a Service
MoU: Memorandum of Understanding	SAR: Synthetic Aperture Radar
MSS: Multispectral Scanner	SDG: Sustainable Development Goal
NAD: North American Datum	SDI: Spatial Data Infrastructure
NCSA: National Center for Supercomputing Applications	SIG: Geographic Information System
NED: National Elevation Dataset	SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain
NEPAD: NEw Partnership for African Development	SPIDER: open SPatial data Infrastructure eDucation nEtwork
NGA: National Geospatial Intelligence Agency	SQL: Structured Query Language
NHD: National Hydrologic Dataset	STISA 2024: Science Technology Innovation Strategy for Africa
NLCD: National Land Cover Dataset	STSM: Short Term Scientific Missions
NOOSA: United Nations Office for Outer Space	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. 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>

3. Ocean Biology DAAC

NASA's Ocean Biology Distributed Active Archive Center (OB.DAAC) is managed by NASA's Ocean Biology Processing Group (OBPG). OB.DAAC is responsible for archiving satellite ocean biology data produced or collected under NASA's Earth Observing System Data and Information System (EOSDIS). OB.DAAC's holdings include a mixture of historical and current missions, as well as data from both NASA and partner space organizations. Supported sensors, related information, and direct links to data can be found on the OB.DAAC website.

4. Air Quality

NASA's Earth Science Data Systems (ESDS) Program provides unrestricted access to data that can be used to assess air quality as well as the tools and applications for analyzing and working with these data.

5. 'Open Source WebGIS'

An effort from Bu Kun translated from Chinese to English. English website launched last year (<http://webgis.pub>). The tutorial (website) is open source.

Github source code address:

<https://github.com/gislite/webgis-pub>

