



GeoForAll

Monthly Newsletter



Table of Contents

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

Be part of "Geo for All"

4. Conferences

SOUTH AMERICA

September – October 2021

1. 27 Sept – 02 Oct.: [FOSS4G](#)

Venue: The Buenos Aires Convention Center (CEC) and the UBA Law School of the University of Buenos Aires, Buenos Aires, Argentina.



2. 27 Sept – 01 Oct: [CALMET XIV](#)

[Conference](#): Bringing together the best of Online to Learning.

Venue: Online

Host: WMO RTC SMN, VLab Centre of Excellence Argentina



NORTH AMERICA

November 2021

3. 19-21 Nov.: [106th NCGE Annual Conference](#)

Venue: Minneapolis Convention Center, MN, USA

Organizer: National Council for Geographic Education

ASIA

October 2021

4. 14-17 October: [3rd International Congress on Geographical Education \(ICGE-2021\)](#)

Venue: Online

Organizer: Sivas Cumhuriyet University, Sivas, Turkey

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/> and https://www.gislounge.com/self-guided-qgis-courses/?utm_medium=email&utm_campaign=GISNL-Aug-27-2020&utm_source=YMLP



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
<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 bulbul@grel.ist.edu.pk</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 it-technologies@yandex.ru</p>	Russia, Mongolia, China, Japan, S. Korea, Vietnam, Thailand, Malaysia, Laos, Myanmar, Cambodia, Singapore, Brunei, Indonesia, Philippines, Turkmenistan, Uzbekistan, Tajikistan and Kyrgyzstan.
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<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 Voudrulis, MSc, PhD in geography education. nvoudrulis@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>

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



6. Courses

- Supporting Marine EO Educators: Professional development, knowledge exchange and Networking workshop

Start date: Aug. 30, 2021

End date: Sept. 17, 2021

Host: EUMETSAT

Organizer: Copernicus

Contact name: Lauren Biermann

Contact email:

Copernicus.training@eumetsat.int

Details at: <https://oceanexpert.org/event/3064>

- Monitoring Coastal and Estuarine Water Quality: Transitioning from MODIS to VIIRS (3-Part Training)

Start date: Sep. 14, 2021

End date: Sep. 21, 2021

Organizer: NASA Applied Remote Sensing Training Program (ARSET)

Language: English, Spanish

Contact name: Brock Blevins

Contact email: brock.blevins@nasa.gov

Details at: https://appliedsciences.nasa.gov/join-mission/training/english/arset-monitoring-coastal-and-estuarine-water-quality-transitioning?utm_source=social&utm_medium=ext&utm_campaign=Estuaries-21

- On Line Training course on Climate change and Agro-meteorology.

Start date: Sept. 13, 2021

End date: Sept. 24, 2021

Host: Nanjing University of Information Science & Technology

Language: English

Contact name: Diane SHEN (Ms)

Contact email: rtc@nuist.edu.cn

Details at:

<https://www.wjx.top/vj/wC8iB1U.aspx>

- South-Eastern Europe Meteorological Training Course (SEEMET)

Start date: Oct. 26, 2021

End date: Oct. 29, 2021

Region: Europe

Host: OMSZ, Hungary

Organizer: EUMETSAT & NMS

Language: English

Contact email: training@eumetsat.int

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](#)



EARTH SCIENCE
APPLIED SCIENCES





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.



- FOSS4G is the international edition of the Free and Open Source Software for Geospatial conference (FOSS4G) of the Open Source Geospatial Foundation. The annual FOSS4G conference is the largest global gathering for geospatial software. The full academic proceedings and individual papers from the FOSS4G Global conferences (Starting from Nottingham FOSS4G) are available at <https://scholarworks.umass.edu/foss4g/>. Recordings from FOSS4G presentations are also made available thanks to German National Library of Science and Technology at <https://av.tib.eu/publisher/FOSS4G>

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

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	HPC: high-performance computing
DXF: Drawing Interchange File	ICA: International Cartographic Association
ECMWF: European Center for Medium range Weather Forecasting	ICSU-WDS: International Council for Science – World Data System
EOS: Earth Observation Science	IDE: Spatial Data Infrastructure
EOSDIS: Earth Observing System and Data Information System	INSPIRE: Infrastructure for Spatial Information in Europe
EPA: Environmental Protection Agency	IPGH: Pan American Institute of Geography and History
EPSG: European Petrol Survey Group (used in projection IDs)	ISO: International Organization for Standardization
ESA: European Space Agency	ISPRS: International Society for Photogrammetry and Remote Sensing
ESERO: European Space Education Resource Office	ISRO: Indian Space Research Organization
EUROGI: European Umbrella Organisation for Geographic Information	JAXA: Japan Aerospace Exploration Agency
EuroSDR: European Spatial Data Research	KML: Keyhole Markup Language
FOSS: Free and Open Source Software	LBS: Location-Based Service
FOSS4G: Free and Open Source Software For Geospatial	LEO: Low Earth Orbits
GCP: Ground Control Point	LiDAR: Light Detection and Ranging
GDAL: Geospatial Data Abstraction Library	LOC: Local Organizing Committee
GEO: Group on Earth Observations	LOD: Level Of Detail
GEO: Geosynchronous Earth Orbits	MEO: Medium Earth Orbits
GloFAS: Global Flood Awareness System	MIL: Media and Information Literacy
GNSS: Global Navigational Satellite System	MoU: Memorandum of Understanding
GODAN: Global Open Data for Agriculture and Nutrition	MSS: Multispectral Scanner
GPS: Global Positioning System	NAD: North American Datum
GPX: GPS Exchange Format	NCSA: National Center for Supercomputing Applications
GRACE: Gravity Recovery and Climate Experiment (satellite program)	NED: National Elevation Dataset
GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security	NEPAD: NEw Partnership for African Development
GSoC: Google Summer of Code	NGA: National Geospatial Intelligence Agency
HLPF: High Level Political Forum (of UN)	NHD: National Hydrologic Dataset
HOT: Humanitarian OpenStreetMap Team	NLCD: National Land Cover Dataset
	NOOSA: United Nations Office for Outer Space Affairs
	NRSA: Indian National Remote Sensing Agency
	NSDI: National Spatial Data Infrastructure

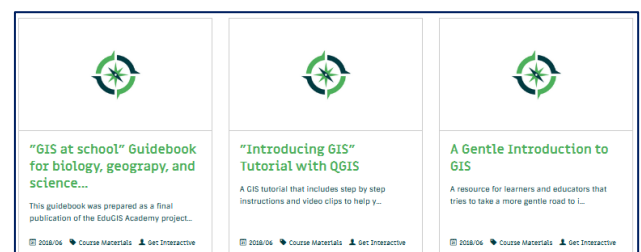


NSF: National Science Foundation
 OECD: Organisation for Economic Co-Operation and Development
 OER: Open Educational Resources
 OGC: Open Geospatial Consortium
 OHI: International Hydrographic Office
 OSGeo: Open Source Geospatial Foundation
 OSM: OpenStreetMap
 OTB: Orfeo Tool Box
 PPGIS: Public Participation 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 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.

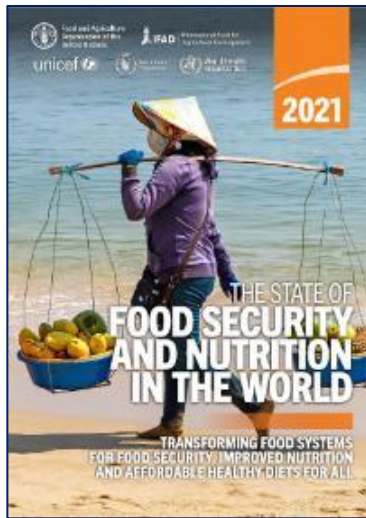




2. From: Dr Suchith Anand
(Suchith.Anand@nottingham.ac.uk), Chief
Scientist, Global Open Data for Agriculture and
Nutrition.

Transforming food systems for food security, improved nutrition, and affordable healthy diets for all

The State of Food Security and Nutrition in the World is an annual flagship report jointly prepared by the Food and Agriculture Organization (FAO) of the United Nations, the International Fund for Agricultural Development (IFAD), the United Nations Children's Fund (UNICEF), the UN World Food Programme (WFP), and the World Health Organization (WHO) to inform on progress towards ending hunger, achieving food security, and improving nutrition and to provide in-depth analysis on key challenges for achieving this goal in the context of the 2030 Agenda for Sustainable Development. The report targets a wide audience, including policy-makers, international organizations, academic institutions, and the general public.



The full SOFI 2021 report is online at <http://www.fao.org/publications/sofi/2021/en/>

Brief interactive story, highlighting key findings of the report at <http://www.fao.org/state-of-food-security-nutrition/en/>

3. From Maria Antonia Brovelli,
(maria.brovelli@polimi.it, Professor of GIS and
Digital Mapping, Politecnico di Milano)

We are happy to announce the new Special Issue
"Open Source Geospatial Science, Software and

Education" of Transaction in GIS
[<https://onlinelibrary.wiley.com/journal/14679671>].

Please consider submitting to the Special Issue original research contributions on all aspects of open source geospatial science, software and education as well as its applications.

Important Dates

Abstracts Due: 30/11/2021 (by email
to: a.mobasheri@uni-heidelberg.de with
c'ing amin.mobasheri@gmail.com)

Approved Abstracts: 10/01/2022 (put as planned
papers online)

Manuscripts Due:
30/06/2022

Decision to
Authors:
31/08/2022

Final Papers Due:
31/12/2022

More pieces of
information are
available at

[https://onlinelibrary.wiley.com/pb-assets/14679671/CfP_Open%20Geospatial%20Science%20Software%20and%20Education-1626741108927.pdf]

