Volume 8, No. 11 November 2022





GeoforAll







Be part of "Geo for All"

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3. Events

• MOOC on Nature-based Solutions for Disaster and Climate Resilience developed by the Partnership for Environment and Disaster Risk Reduction (PEDRR) and the United Nations Environment Programme (UNEP), with support from the European Commission. It is hosted by the SDG Academy.

This free and self-paced course is available at https://pedrr.org/MOOC



• From GIS4Schools Newsletter #10, October 2022: The New Frontiers of GIS and Earth Observation held on September 28th, the webinar aimed at presenting the pupils GIS technology and their concrete applications in different areas. The event provided inputs to pupils and teachers on GIS careers and educational paths.

The recording and presentations are available here: https://bit.ly/3MsokHu

 OpenGeoHub Summer School
 2022 lecture recordings are available at https://opengeohub.org/summerschool/siegburg-2022/

All materials to follow the training sessions are freely accessible on GitHub

https://github.com/Nowosad/OGH_summer_school_2022
OpenGeoHub Foundation is a

GeoForAll Lab https://www.osgeo.org/geo-for-all-labs/opengeohub/











Editorial Board

Please refer to the appropriate in	person according to the following table:	
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Please refer to	Please refer to the appropriate person according to the following table:				
Chief Editor	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	Oceania			
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Co-editor	Sergio Acosta Y Lara, Departamento de Geomática Dirección, Nacional de Topografía, Ministerio de Transporte y Obras Públicas, URUGUAY sergio.acostaylara@mtop.gub.uy	South America			
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Production Designer	Nikos Voudrislis, MSc, PhD in geography education. nvoudris@gmail.com	Design and final formation of the newsletter			
	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	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/cgibin/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,	Prof. Georg Gartner, Vienna University of
no.7	Technology
Aug 2016, Vol.2,	Prof. Silvana Philippi Camboim, Federal
no.8	University of Paraná, Brazil
Sep 2016, Vol.2,	Nimalika Fernando, Sri Lanka
no.9	,
Oct 2016, Vol.2,	Sergio Acosta Y Lara, Montevideo Uruguay
no.10	
Nov 2016, Vol. 2,	Victoria Rautenbach, Centre of
no. 11	Geoinformation Science Univ. of Pretoria,
	South Africa
Dec 2016, Vol.2,	Dr. Daria Svidzinska, Taras Shevchenko
no.12	National University of Kyiv, Ukraine
Jan 2017, Vol.3 no.1	Dr. Mark Ware, University of South Wakes, UK
Feb 2017, Vol.3, no.	Dr. Rafael Moreno Sanchez, Department of
2	Geography and Environmental Sciences,
	University of Colorado Denver, USA
March 2017, Vol.3	Dr. Tuong Thuy Vu, School of Environmental
no.3	and Geographical Sciences, University of
	Nottingham, Malaysia campus
April 2017, Vol.3	Michael P. Finn, U.S. Geological Survey
no.4	
May 2017, Vol.3	Dr. Peter Mooney, Maynooth University, NASA
no.5	2
June 2017, Vol.3 no.6	Patrick Hogan, NASA
July 2017, Vol.3 no.7	Prof. Dr. Josef Strobl, Salzburg
September 2017,	Bridget Fleming, South Africa
Vol.3 no.9	Bridget Herring, South Arried
October 2017, Vol.3	Sven Schade, Joint Research Centre, Italy
no.10	, , , , , , , , , , , , , , , , , , ,
November 2017,	Luciene Stamato Delazari, Universidade
Vol.3 no.11	Federal do Paraná in Brazil
December 2017,	Charlie Schweik, Univ. of Massachussets, USA
Vol.3 no.12	
January 2018, Vol.4	Julia Wagemann, European Centre for
no.1	Medium-Range Weather Forecasts
February 2018,	Barend Köbben, Department of Geo-
Vol.4 no.2	Information ProcessingUniversity of Twente
March 2028, Vol.4	Kurt Menke, Birds Eye View
no.3 April 2018, Vol.4	Dr. Claus Pinner, Department of Goography
no.4	Dr. Clous Rinner, Department of Geography
	and Environmental Studies at Ryerson
June 2018, Vol.4,	University, Toronto, Canada Martin Landa Department of Geometics
no.6	Martin Landa, Department of Geomatics,
110.0	Faculty of Civil Engineering, Czech Technical
	University (CTU) in Prague

Lab of the Month, Content table

	·
Aug 2015, Vol.1	Open Source Geospatial Lab, Kathmandu
no.1	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	Open Source Geospatial Lab, University of
no.2	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	Direccion Nacional de Topografia – MTOP
no.6	Montevideo, Uruguay, (South America)
July 2016, Vol.2 no.7	SIGTE – University of Girona, Spain (Europe)
August 2016,	Open Source Geospatial Lab, Department of
Vol.2 no.8	Geodesy and Surveying, Budapest Univ. of
	Technology and Economics, Hungary (Europe).
September 2016,	Open Source Geospatial Lab, Faculty of Geodesy,
Vol.2 no.9	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,	Department of Geoinformatics, Palacký
Vol.2 no.11	University in Olomouc, Czech Republic
December 2016, Vol.2 no.12	Asian Institute of Technology, Bangkog, Thailand
January 2017, Vol.3 no.1	Spatial Lab, Texas A&M, Corpus Christi, USA
February 2017,	Open Source Geospatial Lab, Faculty of Civil
Vol.3 no.2	Engineering, Belgrade, Serbia
March 2017, Vol.3 no.3	Geomatics and Earth Observation Laboratory (GEOlab) , Politecnico di Milano, Italy
April 2017, Vol.3	Faculty of Civil Engineering, Department of
no.4	Geomatics, Czech Technical University in Prague, Czech Republic
May 2017, Vol.3	the Laboratory of socio-geographical research of
no.5	the University of Siena, ITALY
June 2017, Vol.3 no.6	A World Bridge program
July 2017, Vol.3	Department of Civil, Environmental and
no.7	Mechanical Engineering of the University of Trento, Italy
August 2017,	Institute of Geography, Faculty of Science, Pavol
Vol.3 no.8	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/ and https://www.gislounge.com/self-guided-qgis-courses/?utm_medium=email&utm_campaign=GISNL-Aug-27-2020&utm_source=YMLP

7. Training programs

 GeoForAll educational materials have been transferred to our new web site. <u>GeoForAll</u> <u>educational inventory system, a place to search</u> and share educational materials



8. Key Research Publications

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

11. Free books, educational materials, etc.

- Visit the YouTube QGIS channel at https://www.youtube.com/channel/UCGS162t4hk
 OA0b35ucf1yng/videos to get videos of QGIS applications, representations and ideas.
- You can download "The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences" at https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLVIII-4-W1-2022/



GIS4SCHOOLS- PAVING THE WAY FOR THE SCHOOL
 OF TOMORROW: LEVERAGING ON SPACE
 TECHNOLOGY TO STIMULATE STEAM LEARNING
 AND TEACHING. Free article presented at the 73rd
 International Astronautical Congress (IAC), held in
 Paris, on September 18-22, 2022. You can
 download the article from https://bit.ly/3RJ6mSq

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: Cartograhy 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

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 Hydrometeorologyand 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

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. If you are interested in GeoEthics, you are welcome to join the OGC GeoEthics maillist at https://lists.opengeospatial.org/mailman/listinfo/geoethics

There are many interesting discussions in the list that might be of interest

http://lists.ogc.org/pipermail/geoethics/2022-August/thread.html

Is it Ethical for any Vendors to Trademark "Science" in any scientific discipline to market/sales/promote any vendor brand/products/services as "the Science"? http://lists.ogc.org/pipermail/geoethics/2022-August/000040.html

You may take a look at the Locus Charter (https://ethicalgeo.org/locus-charter/) and think about your organization joining as a supporter. There are currently 16 organizations worldwide, with a long











list of organizations that are currently running it through their particular processes.

You can connect through the web site, or contact Nicole Oveisi (noveisi@americangeo.org) directly for more information!

Please feel free to read more about an initiative Dr. Suchith Anand and his colleague Kathryn Bailey are in the process of setting up to provide a neutral platform for discussions and priority setting in the field of data ethics and governance. Details at https://ethicaldatainitiative.org

For any information needed write to Suchith.Anand@ethicaldatainitiative.org or kathryn.bailey@ethicaldatainitiative.org



4. The International Geoethics Day will be held every year during the Earth Science Week. The aim of the International Geoethics Day is to raise the awareness of the geoscience community and society as a whole about the importance of ethical, social, and cultural aspects of geoscience knowledge, research, practice, education, and communication.

International Association for Promoting Geoethics (IAPG) is a multidisciplinary, scientific community and aims at creating awareness about application of ethical principles to theoretical and practical aspects of Geosciences. IAPG works for a respectful stewardship of the Earth: our way to take care of future generations. Details at https://www.geoethics.org

The "Geoethical Promise" is at https://www.geoethics.org/geopromise

International Association for Promoting Geoethics considers publications as an indispensable requisite to strenghten Geoethics from a scientific point of view. IAPG members are involved in the publication of articles and editing of books on Geoethics with a peerreview process. The IAPG supports two editorial

initiatives: the Journal of Geoethics and Social Geosciences, and the SpringerBriefs in Geoethics.

More details at

https://www.geoethics.org/publications

Please share the information on International Geoethics Day with your networks and organisations and raise awareness of GeoEthics.

5. From Dr. Suchith Anand (Senior Adviser to

https://www.geoethics.org/geoethics-day

Governments and International Organisations)
World Commons Week (WCW) is an online, global event organised by the International Association for the Study of the Commons https://iasc-commons.org
World Commons Week is an event meant to celebrate scholarship and practice around "the commons".
Open Source Geospatial software and open access educational materials are both examples of "digital commons."GeoForAll community organised a webinar as part of the World Commons Week 2020.

How can we better communicate ideas of the commons to wider audiences?

Participate in World Commons Week's 2022 'Teaching the Commons' video and podcast contests! Submissions due November 15th, 2022.

The aim of this contest is to produce a *high-quality*, *well-conceptualized video or podcast* that is 3-5 minutes long and instructional around commons terminology or commons-related concepts.

More information at https://wcw2022.iasc-commons.org/teaching-video-contest/

More information at https://wcw2022.iasc-commons.org

