



GeoForAll

Monthly Newsletter



Be part of "Geo for All"

Table of Contents

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

4. Conferences

Europe

September 2020

1. 15-18 September: [GIScience](#)

Venue: Poznań, Poland

November 2020

2. 4-6 November: [16th International gvSIG Conference](#)

Venue: Virtual Conference

Communication proposals submission at: conference-contact@gvsig.com

The information indicated at [Communications section](#) of the event website

All the information related to the conference, including workshops information, will be published at [gvSIG Blog](#)



North and Central America and the Caribbean

August 2020

3. 24-29 August: FOSS4G.

Venue: Calgary Telus Convention Centre, Calgary, Canada (*Canceled. FOSS4G 2021 to be held in Buenos Aires, Argentina*)

October 2020

4. 5-9 October: III International Convention "Geography, Environment and Land Management"

Venue: University of Havana, Convention Centre, Havana, Cuba.

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 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.
<p>Co-editor</p> 	<p>Rania Elsayed, Computers & Information Researcher, Division of Scientific Training & Continuous Studies, National Authority for Remote Sensing & Space Sciences, Cairo, Egypt. ranyaalsayed@gmail.com</p>	Africa
<p>Co-editor</p> 	<p>Seraphim Alvanides, Reader (Geographical Information Science) Northumbria University, Newcastle NE1 8ST, United Kingdom. s.alvanides@gmail.com</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 aperezn@uoc.edu</p>	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
<p>Co-editor</p> 	<p>Emma Strong, Planner with the City of Gulfport, Mississippi eestrong118@gmail.com</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 sergio.acostaylara@mtop.gub.uy</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 Voudrillis, MSc, PhD in geography education. nvoudrillis@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



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

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

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

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

GEO: Group on Earth Observations

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

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



Global Food Security	OER: Open Educational Resources
GSoC: Google Summer of Code	OGC: Open Geospatial Consortium
HLPF: High Level Political Forum (of UN)	OHI: International Hydrographic Office
HOT: Humanitarian OpenStreetMap Team	OSGeo: Open Source Geospatial Foundation
HPC: high-performance computing	OSM: OpenStreetMap
ICA: International Cartographic Association	OTB: Orfeo Tool Box
ICSU-WDS: International Council for Science – World Data System	PPGIS: Public Participation in Geographic Information Systems
IDE: Spatial Data Infrastructure	PPSR: Public Participation in Scientific Research
INSPIRE: Infrastructure for Spatial Information in Europe	RCMRD: Regional Centre for Mapping of Resources for Development
IPGH: Pan American Institute of Geography and History	RDA: Research Data Alliance
ISO: International Organization for Standardization	ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring
ISPRS: International Society for Photogrammetry and Remote Sensing	RUFORUM: Regional Universities Forum for capacity building in agriculture
ISPRS: International Society for Photogrammetry and Remote Sensing	SaaS: Software as a Service
JAXA: Japan Aerospace Exploration Agency	SAR: Synthetic Aperture Radar
KML: Keyhole Markup Language	SDG: Sustainable Development Goal
LBS: Location-Based Service	SDI: Spatial Data Infrastructure
LiDAR: Light Detection and Ranging	SIG: Geographic Information System
LOC: Local Organizing Committee	SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain
LOD: Level Of Detail	SPIDER: open SPatial data Infrastructure eDucation nEtwoRk
MIL: Media and Information Literacy	SQL: Structured Query Language
MoU: Memorandum of Understanding	STISA 2024: Science Technology Innovation Strategy for Africa
NAD: North American Datum	STSM: Short Term Scientific Missions
NCSA: National Center for Supercomputing Applications	TIN: Triangulated Irregular Network
NED: National Elevation Dataset	UAV: Unmanned Aerial Vehicle
NEPAD: NEw Partnership for African Development	UML: Unified Modeling Language
NGA: National Geospatial Intelligence Agency	UN-GGIM: United Nations Global Geospatial Information Management
NHD: National Hydrologic Dataset	USGS: U.S. Geological Survey
NLCD: National Land Cover Dataset	USGIF: United States Geospatial Intelligence Foundation
NSDI: National Spatial Data Infrastructure	VGI: Volunteered Geographic Information
NSF: National Science Foundation	XSEDE: Extreme Science and Engineering Discovery Environment
OECD: Organisation for Economic Co-Operation and Development	



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. Special Issue "Geospatial Open Systems" ISPRS. International Journal of Geo-Information.

This Special Issue intends to synergize insight about the state of knowledge of open systems scoping, design, implementation, deployment, use, and sustainability for geo-information (geospatial) applications. Manuscripts that broaden and/or deepen insight into these topics are candidates for the Special Issue.

Scope: Open systems provide free access to geo-data and geo-information in a variety of geospatial domains, such as environmental science and management, human dynamics, transportation planning and management, geo-information crowdsourcing, community organizing, and geosciences, among others. Open systems enable access for almost everyone, barring any illegal activity. Open systems might or might not use open source software as part of the development efforts. Open knowledge systems now in development for various applications promise to transform how people make use of data, information, evidence, and knowledge. The Special Issue explores the past,

present, and future of open systems environments addressing data, information, and knowledge for geospatial applications. Any aspect of open geospatial data, information, knowledge, and software systems is a relevant topic as long as the topic is well reasoned and developed in a thorough manner in line with IJGI guidelines. Prospects for development and use of geospatial open source software are relevant for consideration. Software applications addressing these topics are also part of the scope, but the issue is not limited to these topics.

Deadline for manuscript submissions: 31 October 2020.

3. The Faculty of Geography of the University of Havana and the co-sponsoring institutions convene the III International Convention "Geography, Environment and Land Management" under the slogan "For inclusive and sustainable territorial governance and management".

The event will be held from October 5 to 9, 2020, at the Convention Center of the University of Havana.

General objective of the Event:

Contribute to the analysis and dissemination of research carried out in the country and in other regions of the planet, mainly in Latin America, in the thematic areas of this III Convention, as well as the promotion of the scientific debate on the vital problems that currently exist in the geographical space and their transformation in view of the progress of the globalization and the dominant neoliberal orientation, which require a geographical education that contributes to the construction of a new culture of inclusive, participatory planning, governance and territorial management, and the evaluation of experiences accumulated in overcoming the pressing problems derived from climate change.

For more information: Dra. C. Nancy Pérez Rodríguez (nan@geo.uh.cu)

4. Special Issue entitled "Applications of Remote Sensing and Geospatial Technologies to Earth Observations" in the online journal, Applied Sciences (ISSN 2076-3417, <https://www.mdpi.com/journal/applsci>).

For further reading, please follow the link to the Special Issue:

https://www.mdpi.com/journal/applsci/special_issue/s/Geospatial_RS



If this topic is of interest, you are warmly invited to submit a manuscript now or up until the deadline (1 December 2020). Submitted papers should not be under consideration for publication elsewhere. Authors are encouraged to send a short abstract or tentative title in advance.

5. The draft of Third Edition of Future Trends in geospatial information management: the five to ten year vision is now available for global consultation and review by the United Nations Committee of Experts on Global Geospatial Information Management. Details at https://ggim.un.org/documents/DRAFT_Future_Trends_report_3rd_edition.pdf

6. The Group on Earth Observations (GEO) is turning Earth observation data and information into knowledge for action. GEO is a partnership of more than 100 national governments and in excess of 100 Participating Organizations that envisions a future where decisions and actions for the benefit of humankind are informed by coordinated, comprehensive, and sustained Earth observations. You can download the full implementation plans for each activity on the GEO website. Details at http://www.earthobservations.org/gwp2020_dev.php

7. There are a lot of excellent resources developed by CEOS colleagues that might be useful for educators and students. Please check the CEOS training calendar for the latest information on many courses at <https://training.ceos.org>

Many educational resources are also available at <http://ceos.org/ourwork/workinggroups/wgcapd/resources-2/>

For example, the first Massive Open Online Course on Radar Remote Sensing by [EO College](https://eo-college.org/landingpage/) might be of interest. Details at <https://eo-college.org/landingpage/>

The EO handbook on SDGs might be also of interest <http://eohandbook.com/sdg/>

8. The open access journal *Data* is pleased to announce a new Special Issue titled "A European Approach to the Establishment of Data Spaces". Marco Minghini (marco.minghini86@gmail.com) is serving as Guest Editor for this Special Issue together with his colleagues at the European Commission - Joint Research Centre (JRC) Alexander Kotsev, Massimo Craglia, and Stefano Nativi.

Papers should address any of the cross-cutting issues emerging from the recently launched [European Data Strategy](#), e.g. the definition of sustainable governance models for data, appropriate socio-economic incentives, choice of standards and technologies ensuring interoperability, the establishment of reference architectures and licensing frameworks, and multi-source data quality assessment frameworks. Within this context, multidisciplinary and multi-domain submissions are welcome that would contribute to shaping the research agenda, and providing best practices for data-driven innovation that are in line with European values.

The submission deadline is January 31, 2021. The full Call for Papers is available at https://www.mdpi.com/journal/data/special_issue/EU_DataSpaces.

9. From Zhe Zhang (zhezhang@tamu.edu) Department of Geography, College of Geosciences, Texas A&M University

We invite the submission of the latest research on the topic of "Cyberinfrastructure and Intelligent Spatial Decision Support Systems" for the Transactions in GIS journal.

Topics include but are not limited to:

- Open source decision support system
- Spatiotemporal uncertainty in decision making
- Decision technologies as services
- Web-based and cloud-based spatial decision support systems
- Ontology and knowledge graph
- Automated scientific workflow generation
- Real-time decision making
- GeoAI enabled spatial decision making
- Human-centered spatial decision support
- Applications in smart cities, disaster response, geodesign and urban planning
- Decision support systems for emergency management
- Social media uses in decision support systems
- Geovisualization for spatial decision making
- Use of cyberinfrastructure and/or GIS in modeling the COVID-19 pandemic

The submission deadline has been extended to **September 10th, 2020**.

More details can be found in the [Transactions in GIS](#) journal website.