



# GeoForAll

Monthly Newsletter



Be part of "Geo for All"

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## 3. Events

- European Space Agency (ESA) organized for 6<sup>th</sup> time the [ESA EO  \$\Phi\$  \(phi\) Week 2020](#)

A virtual event from September 28 to October 2.

It focuses on innovation in Earth Observation, and showcases the latest achievements in Earth Observation science, technology and applications.

$\Phi$ -week 2020 aims to contribute to the concept of Digital Twin Earth - an AI-driven digital replica of our planet that converts the full power of AI, Earth Science and Modeling, cloud computing and Earth-scale environmental, societal and economical data into actionable insights for scientist, political and economic decision makers.

- The OSGeo Annual General Meeting (AGM) was held virtually on 13 September 2020. Links to the slides and video are available here: [https://wiki.osgeo.org/wiki/Annual\\_General\\_Meeting\\_2020](https://wiki.osgeo.org/wiki/Annual_General_Meeting_2020)

## 4. Conferences

### Europe

#### November 2020

1. 4-6 November: [16th International gvSIG Conference](#)

Venue: Virtual Conference

Communication proposals submission at: [conference-contact@gvsig.com](mailto: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

#### October 2020

2. 5-9 October: III International Convention "Geography, Environment and Land Management"

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



## Editorial Board

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 <a href="mailto:labrinos@eled.auth.gr">labrinos@eled.auth.gr</a>	Oceania
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Co-editors  	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>	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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Production Designer 	Nikos Voudrislis, MSc, PhD in geography education. <a href="mailto:nvoudris@gmail.com">nvoudris@gmail.com</a>	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 <a href="mailto:paulocoronado@gmail.com">paulocoronado@gmail.com</a>	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 Mitsova (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)



## 5. Webinars

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- 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](https://www.gislounge.com/self-guided-qgis-courses/?utm_medium=email&utm_campaign=GISNL-Aug-27-2020&utm_source=YMLP)
- Webinar on "Data Rights and Digital Feudalism", organised by the Benchmark Initiative, at <https://vimeo.com/456581072>

## 7. Training programs

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- GeoForAll educational materials have been transferred to our new web site. [GeoForAll educational inventory system, a place to search and share educational materials](#)
- International Summer School on Applications with the Newest Multi-Spectral Environmental Satellites.

When: October, 5-9. Venue: Bracciano, Italy.  
 Organizer: EUMETSAT, Format/Training type: Classroom. Language: English. Contact email: [training@eumetsat.int](mailto:training@eumetsat.int)

This course addresses experienced professionals working with remotely sensed data (forecasters, researchers, post-graduate students etc.) interested in updating their knowledge and skills on the newest developments in remote sensing data. The applicants must have an academic degree either in Meteorology, Physics, Environmental Sciences, or Environmental Engineering. Applicants should be proficient in the English language to attend the course. The course is intended primarily for the European audience, with preference for the member states. Depending on availability,

additional applicants might be accepted. Candidates will be selected on the basis of their proven experiences in environmental remote sensing.

## 12. Articles

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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

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	GPX: GPS Exchange Format
CLGE: The Council of European Geodetic Surveyors	GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security
CODATA: Committee on Data for Science and Technology	GSoC: Google Summer of Code
COGO: Coordinate geometry	HLPF: High Level Political Forum (of UN)
CRC: Census Research Centre	HOT: Humanitarian OpenStreetMap Team
CRS: Coordinate Reference System	HPC: high-performance computing
CSA: Canadian Space Agency	ICA: International Cartographic Association
CUDA: Compute Unified Device Architecture	ICSU-WDS: International Council for Science – World Data System
DAAC: Distributed Active Archive Center (of NASA)	IDE: Spatial Data Infrastructure
DEM: Digital Elevation Model	INSPIRE: Infrastructure for Spatial Information in Europe
DSM: Digital Surface Models	IPGH: Pan American Institute of Geography and History
DWG: Design file format	ISO: International Organization for Standardization
DXF: Drawing Interchange File	ISPRS: International Society for Photogrammetry and Remote Sensing
ECMWF: European Center for Medium range Weather Forecasting	ISPRS: International Society for Photogrammetry and Remote Sensing
EOS: Earth Observation Science	JAXA: Japan Aerospace Exploration Agency
EOSDIS: Earth Observing System and Data Information System	KML: Keyhole Markup Language
EPA: Environmental Protection Agency	LBS: Location-Based Service
EPSG: European Petrol Survey Group (used in projection IDs)	LiDAR: Light Detection and Ranging
ESA: European Space Agency	LOC: Local Organizing Committee
ESERO: European Space Education Resource Office	LOD: Level Of Detail
EUROGI: European Umbrella Organisation for Geographic Information	MIL: Media and Information Literacy
EuroSDR: European Spatial Data Research	MoU: Memorandum of Understanding
FOSS: Free and Open Source Software	NAD: North American Datum
FOSS4G: Free and Open Source Software For Geospatial	NCSA: National Center for Supercomputing Applications
GCP: Ground Control Point	NED: National Elevation Dataset
GEO: Group on Earth Observations	NEPAD: NEw Partnership for African Development
GloFAS: Global Flood Awareness System	NGA: National Geospatial Intelligence Agency
GNSS: Global Navigational Satellite System	NHD: National Hydrologic Dataset
GODAN: Global Open Data for Agriculture and Nutrition	NLCD: National Land Cover Dataset
GPS: Global Positioning System	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  
 RCMRD: Regional Centre for Mapping of Resources for Development  
 RDA: Research Data Alliance  
 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  
 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

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

- Article on Ethical dimensions of Digital Feudalism in Agriculture at <https://www.godan.info/news/ethical-dimensions-digital-feudalism-agriculture>

## 17. Ideas / Information

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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](mailto: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](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 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](mailto: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/s/EU\\_DataSpaces](https://www.mdpi.com/journal/data/special_issue/s/EU_DataSpaces).