# GeoForAll
### Monthly Newsletter

## Table of Contents

**Be part of "Geo for All"**

# 1. Activities of the Network

- [Ottawa, Ontario, OSGeo Meetup Group](http://www.meetup.com/OttawaOSGeo/) meets on the third Thursday of each month.  If you are located in the area, go to the link to sign up to the group and get updates about future events. (http://www.meetup.com/Ottawa OSGeo/

# 3. Events

- OSGeo is pleased to announce the 2019 Google Code-in Grand Prize winners, who each receive a free trip to Google headquarters in California, along with a parent/guardian, are students (note that these are the student's account names, due to privacy concerns):

OSGeo's Google Code-in Winners:

- o Navya Garg
- o Pranay

OSGeo's Google Code-in Runners Up:

- o Dhanus SL
- o Lucifer

OSGeo's Google Code-in finalists (who receive Google hoodies) are:

- o TanvirSingh
- o anishagnihotri

See here:

[https://codein.withgoogle.com/winners/#winners](https://codein.withgoogle.com/winners/#winners) the winners from all organisations

Congratulations to the winners and finalists! But also a special congratulations to all students that received a certificate and/or t-shirt.

- The first QGIS Indonesia meet up was held at Gadjah Mada University in Yogyakarta, Indonesia, on 29 February 2020. In the meetup, there was a sharing session, technical session, and discussion about the QGIS Indonesia community itself. The agenda was:

- Sharing Session:
  - o The growth of open-source GIS (QGIS and Geoserver) in Indonesia by Ibnu Rosyadi
  - o Land cover mapping by using machine learning and land change by using cellular automata on QGIS by Nur M. Farda
  - o Basic GRASS in QGIS by Firman Hadi
  - o The uses of QGIS in the forest and environmental management by Afandi Ahmad
  - o QGIS for village mapping by Eko Kalisno

# 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.<br>President of the Hellenic digital earth Centre of Excellence<br>labrinos@eled.auth.gr | Oceania |
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| | Paulo César Coronado Sánchez, Professor of computer sciences at Universidad Distrital Francisco José de Caldas, Head of GISEPROI and OSGeoLabUD research Group. Bogotá, Colombia<br>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/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

*continued from page 1*

- Technical session:
  - Bug reporting on QGIS and QGIS community's activities around the world by Ismail Sunni
  - Translating QGIS to Bahasa Indonesia by Adi Kurniawan
  - Creating graphical modeler on QGIS by M. Iqnaul
  - Basic QGIS by M. Anshori
- For more information (in Bahasa Indonesia) you can visit https://qgis-id.github.io/#meetup

# 4. Conferences

## Europe

### April 2020

**1.** 21-24 April: GISRUK
  Venue: London, UK.

### May 2020

**2.** 7-9 May: GISTAM 2020 6th International Conference on Geographical Information Systems Theory, Applications and Management
Venue: Prague, Czech Republic

**3.** 12-15 May: INSPIRE Conference 2020
Venue: Dubrovnik, Croatia

### September 2020

**4.** 15-18 September: GIScience
Venue: Poznań, Poland

## North and Central America and the Caribbean

### April 2020

**5.** 3 April: QGIS New York
  Venue: Cornell University, Mann Library, Ithaca, New York, USA

**6.** 6-10 April: AAG 2020 Annual Meeting
  Venue: Denver, Colorado, USA

### May 2020

**7.** 24-27 May: 17th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2020)
  Venue: Blacksburg, Virginia, USA

### August 2020

**8.** 24-29 August: FOSS4G.
  Venue: Calgary Telus Convention Centre, Calgary, Canada



# 5. Webinars

- Introductory Webinar: Using the UN Biodiversity Lab to Support National Conservation and Sustainable Development Goals.
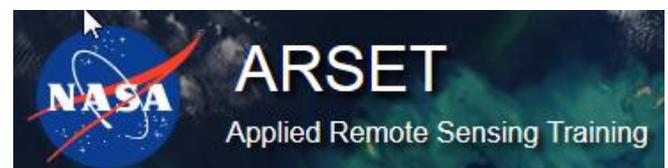
  March 24, 2020: Introduction to Spatial Data and Policies for Biodiversity

  March 31, 2020: UN Biodiversity Lab: Introduction and Training

  April 7, 2020: How are Countries Using Spatial Data to Support Conservation of Nature?

More info at
https://arset.gsfc.nasa.gov/land/webinars/un-biodiversity-2020

# GeoForAll

# 6. Courses

The Land Portal Foundation would like invite you to a workshop "Putting Data Into Action: Shaping an Open Up Guide on Land Governance". The workshop will take place in Washington DC on Monday March 16th (from 9AM - 3PM) and is organized together with the Open Government Partnership and the Open Data Charter, hosted at the OpenGov Hub.

This workshop provides a unique opportunity to ensure that land data is included in an important international data process: the Open Up Guides developed by Open Data Charter. These guides have very successfully helped governments, civil society, and other stakeholders work together to make data open and usable, setting priorities, identifying the standards to use, and linking data with action. Such an open up guide for land could catalyze the SDGs process and harmonize ongoing data efforts globally by bringing in an even wider range of stakeholders. We feel the perspectives of the members of this working group will be very valuable for our discussions.

Please find more information on our website, including details on how to sign up. And please note also that we are unable to provide travel support. Those of you already in Washington DC or traveling there for the World Bank Conference on Land & Poverty (or for any other reason), are most welcome to join us.

# 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



- Use of geodata in the social sciences
  by Dr. Jan-Philipp Kolb
  Date: May 04 – 05 2020
  Venue: Mannheim B2,8, Germany / Course language: German

# 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

AGS: American Geographical Society

AGU: American Geophysical Union

AM/FM: Automated Mapping/Facilities Management

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: Cartograhy and Geographic Information Society

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

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

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

GSoC: Google Summer of Code

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

ISPRS: International Society for Photogrammetry and Remote Sensing

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

LiDAR: Light Detection and Ranging

LOC: Local Organizing Committee

LOD: Level Of Detail

MIL: Media and Information Literacy

MoU: Memorandum of Understanding

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

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

RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

ROSHYDROMET: Russian Federal Service for Hydrometeorologyand Enviromental Monitoring

RUFORUM: Regional Universities Forum for capacity building in agriculture

SaaS: Software as a Service

SAR: Synthetic Aperture Radar

SDI: Spatial Data Infrastructure

SIG: Geographic Information System

SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain

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

# 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.** There is an invitation to anyone interested in submitting research articles to the Special issue "Advances in Social Network Analysis – Spatio-Temporal and Semantic Methods" in the Open Access Journal ISPRS International Journal of Geo-Information. More information and the full call for papers can be found at https://www.mdpi.com/journal/ijgi/special_issues/social_spatial

Submission deadline: 30 June 2020.

Data from geospatial applications, such as social media, location-based service (LBS), and volunteered geographic information (VGI) platforms, have become a prominent source for modeling human behavior and for better understanding complex social dynamics in geographic spaces. The massive amount of multi-dimensional data (spatial, temporal, semantic) from these sources is typically unstructured and thus calls for an advance in data representation, modeling, analysis, and visualization for the successful transition from data to information. This Special Issue is inviting contributions that demonstrate integrated analysis of spatial, temporal, and semantic data from social networks, including their content, linkage, and structure, towards a better understanding of social behavior, human interaction patterns, and the

dynamic characteristics of real-world phenomena and events. This involves novel use of machine learning approaches, analysis frameworks, data mining, and (geo-)statistical methods to exploit unstructured content of social network data. This Special Issue also encourages the demonstration of new analytical tools; discussion of current data privacy and licensing issues; the exploration of data from lesser known social media, LBS, and VGI platforms; and the application of fusion methods of data across multiple platforms.

**3.** 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

**4.** The Center for Fisheries Research (CIP) belonging to the Ministry of Food Industry, together with other national institutions, is pleased to inform you that from May 18 to 22, 2020, the IV International Workshop on FISHING, POLLUTION AND ENVIRONMENT will be held, which summons scientists and other professionals linked to the sector, as well as businessmen, and policy makers, with the objective of contributing to the scientific exchange on important and current issues in fisheries, industrial processing, aquaculture, aquaculture health, safety, pollution aquatic, taking into account the challenges that fish production faces on a global scale. The Workshop will promote a framework of reciprocity, the exchange of experience in view of the commitments to achieve Food Security, based on the sustainable use of fishery resources and the sustainability of aquaculture, as well as the increase in the added value of the products of the sea.

Those interested in obtaining information about the Workshop, send email to merisla@cip.alinet.cu and mrubio@cip.alinet.cu

**5.** GODAN Action. (2019 December 20). GODAN Action Online Course on Open Data Management in Agriculture and Nutrition (Version v1.0). Zenodo. http://doi.org/10.5281/zenodo.3588148

The course is provided in English. It consists of five units as follows including 18 lessons. The content was developed in November 2017 and last edition was delivered in 2018.

Unit 1: Open Data Principles
Unit 2: Using Open Data
Unit 3: Making Data Open
Unit 4: Sharing Open Data
Unit 5: Intellectual Property and Copyright

You can find the full published curriculum at https://www.godan.info/documents/curriculum-open-data-and-research-data-management-agriculture-and-nutrition and https://aims.gitbook.io/open-data-mooc/