GeoForAll

Monthly Newsletter

Be part of "Geo for All"

Table of Contents

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/)

4. Conferences

Europe

April 2020

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

May 2020

2. 12-15 May: INSPIRE Conference 2020

Venue: Dubrovnik, Croatia

September 2020

3. 15-18 September: GIScience
Venue: Poznań, Poland

North and Central America and the Caribbean

April 2020

4. 3 April: QGIS New York

 Venue: Cornell University, Mann Library, Ithaca, New York, USA

5. 6-10 April: AAG 2020 Annual Meeting

 Venue: Denver, Colorado, USA

6. 6-10 April: Symposium on Frontiers in CyberGIS and Geospatial Data Science

 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

Editorial Board

Please refer to the appropriate person according to the following table:

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

6. Courses

- Free Course on Access to Geospatial Information developed by Cambalache for all!

  Online Modality: 5 theoretical and practical classes. Registration available at http://cambalachecoopera.com.ar/inf_geoespacial

  Topics to address: What is a GIS? / Open data portals / Geospatial information for urban diagnosis / Information of the physical environment / Download of satellite images / Connection to geoservices / Download of digital Elevation models.

  For any questions, you can write to contacto@cambalachecoopera.com.ar

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. Satellite data saves precious minutes and millions of dollars during disasters.
 "… The team used free MODIS data and open-source QGIS to highlight that…"

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/

6. The call for abstracts for the Academic Track of State of the Map 2020, which will take place in Cape Town, South Africa on July 3-5, 2020, is now open [https://2020.stateofthemap.org/cfp/academic].
The first two editions of the Academic Track, at State of the Map 2018 in Milan and State of the Map 2019 in Heidelberg, have proven that this track is a wonderful chance to connect the OpenStreetMap community with the academic community and to provide a platform to exchange ideas and opportunities for increased collaboration.
Abstracts should be between 500 and 800 words in length, and should be submitted via the conference management system [https://pretalx.com/state-of-the-map-2020-academic-track/cfp] by no later than **March 9, 2020**. For more information please check the call [https://2020.stateofthemap.org/cfp/academic].
Questions directed to the Scientific Committee should be sent to academic-sotm@openstreetmap.org.
In parallel to the Academic Track, the conference will also run a General Track, whose call for contributions (talks, extended talks, panels, workshops and Birds of a Feather sessions) is available at [https://2020.stateofthemap.org/cfp]. Contributions should be submitted via the conference management system [https://pretalx.com/sotm2020/cfp] by no later than **February 23, 2020**.

7. You are invited to submit a research paper to "OpenStreetMap as a multi-disciplinary nexus: Perspectives, Practices and Procedures", a Special Issue of the ISPRS International Journal of Geo-Information. The aim of this Special Issue is to showcase both the ongoing innovation and the maturity of scientific investigations and research into OpenStreetMap, demonstrating how, as a research object, it converges multiple research areas together. Collecting contributions from multiple disciplines and domains, this Special Issue will show how the sum total of investigations of issues like VGI, geo-
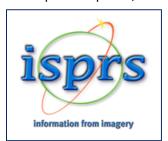
information, and geo-digital processes and representations can shed light on the relations between crowds, real-world applications, technological developments, and scientific research.

This Special Issue is primarily aimed at collecting papers that extend the research works presented in the Academic Track of State of the Map 2019, held in Heidelberg (Germany) on September 21–23, 2019. However, other original submissions aligned with the area of research are also highly welcome.

We expect empirical, methodological, or conceptual contributions addressing any scientific aspect related to OpenStreetMap, in particular, but not limited, to the following:

● Extrinsic and intrinsic quality assessment of OpenStreetMap data Analysis of contribution patterns in OpenStreetMap Interactions between OpenStreetMap and other data sources Analysis/comparison of available software for scientific purposes related to OpenStreetMap New approaches to facilitate or improve data collection in OpenStreetMap (e.g., through gamification or citizen science approaches) Bridging the communities: Creating better connections and collaborations between the scientific community and the OpenStreetMap community Open research problems in OpenStreetMap and challenges for the scientific community Cultural, political, and organizational aspects of data production and usage practices in OpenStreetMap Literature reviews and theoretical papers on any of the listed topics or topics related to the scope of the Special Issue.

More details at:

https://www.mdpi.com/journal/ijgi/special_issues/OpenStreetMap