GeoForAll

Monthly Newsletter

Be part of "Geo for All"

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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/](http://www.meetup.com/OttawaOSGeo/)

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

December 2019

April 2020

4. 6-10 April: AAG 2020 Annual Meeting
     Venue: Denver, Colorado, USA

5. 6-10 April: Symposium on Frontiers in CyberGIS and Geospatial Data Science
     Venue: Denver, Colorado, USA

May 2020

6. 24-27 May: 17th International Conference on Information Systems for Crisis Response and Management (ISCRAM 2020)
     Venue: Blacksburg, Virginia, USA

May 24th-27th, 2020 - Blacksburg, Virginia USA

ISCRAM 2020

Bringing Disaster Resilience into Focus

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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 paulocoronado@gmail.com	Translator and designer of the Spanish Edition

GeoForAll Themes

- **OpenCity Smart**
  - ➤ Chairs: Chris Pettit (Australia), Patrick Hogan (USA)
  - ➤ Mail list: http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-urbanscience
  - ➤ Website: http://wiki.osgeo.org/wiki/Opencitysmart

- **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

5. Webinars

From Rob Lokers (rob.lokers@wur.nl), Project Manager, Wageningen Environmental Research Team Earth Observation & Environmental Informatics (https://www.wur.nl/nl/Onderzoek-Resultaten/Onderzoeksinstituten/Environmental-Research.htm)

- Thursday 19 December, Wageningen Environmental Research cast a webinar on cloud-based agricultural modelling through virtual research environments. The webinar has been recorded and is available to watch at: https://channel.royalcast.com/webcast/wur/20191219_1/.

  It gives a better impression of how virtual research environments can support open science and how such environments can be used to collaborate in the cloud on agronomic research, and particularly agricultural modelling.

  If you decide to watch the webinar at a later time, the organizers would appreciate if you could also fill in the short survey available through this link: https://forms.gle/vf9h9Er8cgcwaS1A7. This would help a lot in evaluating the work and including your impressions in future work.

  Also, the organizers want to provide you with some links to resources that were mentioned and are related to the work presented in the webinar.

  Related to the webinar:

  - To review the recordings of the webinar: https://channel.royalcast.com/webcast/wur/20191219_1/

  - To access the introduction slides: https://www.slideshare.net/RobLokers/introduction-webinar-cloud-based-agricultural-modelling-207721375

  - To review the (extended) demonstration videos:

    ◦ Crop phenology estimation (part 1): https://www.youtube.com/watch?v=UzONcaKK4So&feature=youtu.be

    ◦ Crop phenology estimation (part 2): https://www.youtube.com/watch?v=UzONcaKK4So&feature=youtu.be

    ◦ Crop growth modelling with WOFOST: https://www.youtube.com/watch?v=2uuGDn0oWU8&feature=youtu.be

  Related to agronomic modelling:

  - AgroDataCube: http://agrodatacube.wur.nl/

  - WOFOST crop growth model: https://www.wur.nl/en/Research-Results/Research-Institutes/Environmental-Research/Facilities-Products/Software-and-models/WOFOST.htm

  Related to open science and virtual research:

  - D4Science VRE infrastructure: https://www.d4science.org/

  - Access to the agroclimatic modelling VRE (click request access on the VRE that says AgroClimaticModelling): https://aginfra.d4science.org/explore

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. To post your FOSS4G educational information go to http://www.osgeo.org/education. There you can find more educational activities posted by members of our community.

FOSS4G is the annual global event of the Open Source Geospatial Foundation. It is the largest technical geospatial Open Source conference in the world. The FOSS4G conference focuses on Free and Open Source Software for Geospatial applications. In addition to high level technical talks four key domain are discussed every year to showcase the connection between free and open source software and communities from neighbouring domains.

2. University of Colorado – College of Liberal Arts & Sciences

Assistant Professor position

The University of Colorado Denver l Anschutz Medical Campus seeks individuals with demonstrated commitment to creating an inclusive learning and working environment. We value the ability to engage effectively with students, faculty and staff of diverse backgrounds.

The Department of Geography and Environmental Sciences (GES) at the University of Colorado Denver (CU Denver) invites applications for a tenure-track appointment at the Assistant Professor level in the area of Human-Environment Interactions to begin in August 2020. We seek a Human Geographer focused on environment-society topics such as energy and resources, environmental justice, food and agriculture, natural hazards, social vulnerability, urbanization and development, and/or water resources. Candidates should demonstrate rigorous and innovative theoretical, methodological and public engagement/communication components to their social science research. We also seek candidates committed to excellent teaching and mentoring at the undergraduate and graduate levels.

Assistant Professor – 17211

Assistant Professor

https://cu.taleo.net/careersection/2/jobdetail.ftl?job=17211&lang=en

The candidate will be expected to teach four courses (2/2) per academic year that may include undergraduate classes such as Environment, Society and Sustainability and Introduction to Human Geography as well as advanced undergraduate and graduate courses in their area of specialization. Candidates must have a PhD in geography or related discipline at the time of appointment and maintain an active research program that yields publications and external grant submissions.

Posting Date Sep 12, 2019, 9:09:30 AM

Unposting Date Ongoing

Posting Contact Name: Gregory Simon

Posting Contact Email: gregory.simon@ucdenver.edu

Position Number: 00636687

3. EgyptSat-A, owned by Egypt's National Authority for Remote Sensing and Space Sciences, an Egyptian government agency tasked with gathering and studying satellite imagery of the Earth, was launched on February 21st from Baikonur, Kazakhstan. The spacecraft's electro-optical imaging system includes an Earth-viewing telescope and camera that can spot surface features as small as 3.3 feet (1 meter), with similar capabilities as the failed EgyptSat 2 satellite. EgyptSat-A is the third Egyptian Earth observation satellite built in Russia, following the EgyptSat 1 spacecraft launched in 2007 and EgyptSat 2 launched in 2014.

The satellite weighs more than a ton fully-fueled, and Tass reported EgyptSat-A features several improvements over the EgyptSat 2

design, including improved solar batteries and a high-speed radio link with ground stations. More details at: https://spaceflightnow.com/2019/02/20/soyuz-ready-for-launch-with-egyptian-imaging-satellite/

4. "Collaborative list of events on Geographic Information Technology (TIG)". An excellent source of information (in Spanish)
Add a TIG event "Collaborative list of events on Geographic Information Technology (TIG)"

"You can include an event from the form https://forms.gle/AfvDzJjWLBCVi6qV7;
How to add an event View added events License
To add an event use the form: The events added by the community can be found in the "Form response" tab. Also included in the Nosolosig Events Agenda: The "Collaborative List of Events on Geographic Information Technologies (TIG)" of Nosolosig has a Creative Commons Attribution 4.0 International license
https://forms.gle/AfvDzJjWLBCVi6qV7
"Form responses" tab
https://creativecommons.org/licenses/by/4.0/
http://www.nosolosig.com/geo-eventos

Types of events
- All related to Geographic Information Technologies and maps. Workshops and webinar are included but not courses, for which a similar list is being prepared
Ambit
- Although the events are mainly in Spanish (or held in Spain and Latin America), you can add other international events that you think are relevant
Who
- Anyone can add an event, even if it is not part of the event organization
Veracity of the data
- There is no responsibility for the accuracy of this data; the data is collected by volunteers many times outside the organization of events
Comments
- Any comments, suggestions, congratulations or scolding, please contact Nosolosig: nosolosig@nosolosig.com
Share

- URL of the collaborative List of TIG events to share: https://nosolosig.page.link/listaEventosTIG
More info
- In the news Collaborative list of events on Geographic Information Technologies published in Nosolosig

5. 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, has 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
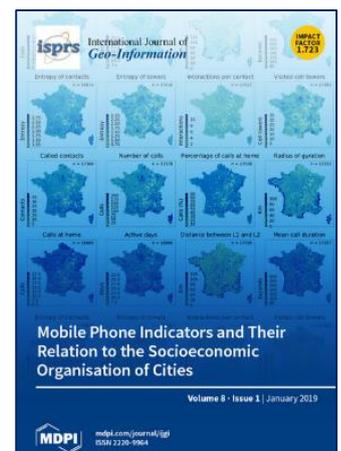
(geo-) statistical methods to exploit unstructured content of social network data. This Special Issue also encourages the demonstration of new analytical tools, discussion of current data privacy and licensing issues, the exploration of data from lesser known social media, LBS, and VGI platforms, and the application of fusion methods of data across multiple platforms.

6. 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
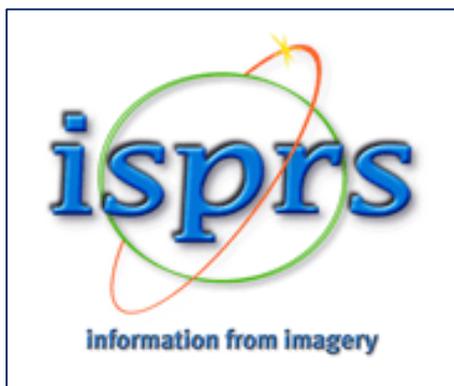
showcase both the ongoing innovation and the maturity of scientific investigations and research into OpenStreetMap, demonstrating how, as a research object, it converges multiple research areas together. Collecting contributions from multiple disciplines and domains, this Special Issue will show how 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