



GeoForAll

Monthly Newsletter



Table of Contents

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

Be part of "Geo for All"

4. Conferences

EUROPE

June 2021

1. 7-9 June: [Knowledge Commons "Deciphering the grammar of Institutions"](#).

On-line conference organized by the [International Association for the Study of the Commons](#)

July 2021

2. 6-8 July: [12th International Symposium on Digital Earth "Digital Earth for Sustainable Societies"](#)

Venue: Faculty of Natural Sciences (Naturwissenschaftliche Fakultät) of the University of Salzburg, Salzburg, Austria



SOUTH AMERICA

September – October 2021

3. 27 Sept – 02 Oct.: [FOSS4G](#)

Venue: The Buenos Aires Convention Center (CEC) and the UBA Law School of the University of Buenos Aires, Buenos Aires, Argentina

ASIA

4. October 2021

14-17 October: [3rd International Congress on Geographical Education \(ICGE-2021\)](#)

Venue: Online

Organizer: Sivas Cumhuriyet University, Sivas, Turkey

5. Webinars

- 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

continued on page 4



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 Pueblo County, Colorado 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 Voudrislis, MSc, PhD in geography education. nvoudris@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



GeoAmbassador Content table

| | |
|----------------------------|---|
| July 2016, Vol.2, no.7 | Prof. Georg Gartner, Vienna University of Technology |
| Aug 2016, Vol.2, no.8 | Prof. Silvana Philippi Camboim, Federal University of Paraná, Brazil |
| Sep 2016, Vol.2, no.9 | Nimalika Fernando, Sri Lanka |
| Oct 2016, Vol.2, no.10 | Sergio Acosta Y Lara, Montevideo Uruguay |
| Nov 2016, Vol. 2, no. 11 | Victoria Rautenbach, Centre of Geoinformation Science Univ. of Pretoria, South Africa |
| Dec 2016, Vol.2, no.12 | Dr. Daria Svidzinska, Taras Shevchenko National University of Kyiv, Ukraine |
| Jan 2017, Vol.3 no.1 | Dr. Mark Ware, University of South Wakes, UK |
| Feb 2017, Vol.3, no. 2 | Dr. Rafael Moreno Sanchez, Department of Geography and Environmental Sciences, University of Colorado Denver, USA |
| March 2017, Vol.3 no.3 | Dr. Tuong Thuy Vu, School of Environmental and Geographical Sciences, University of Nottingham, Malaysia campus |
| April 2017, Vol.3 no.4 | Michael P. Finn, U.S. Geological Survey |
| May 2017, Vol.3 no.5 | Dr. Peter Mooney, Maynooth University, NASA |
| June 2017, Vol.3 no.6 | Patrick Hogan, NASA |
| July 2017, Vol.3 no.7 | Prof. Dr. Josef Strobl, Salzburg |
| September 2017, Vol.3 no.9 | Bridget Fleming, South Africa |
| October 2017, Vol.3 no.10 | Sven Schade, Joint Research Centre, Italy |
| November 2017, Vol.3 no.11 | Luciene Stamato Delazari, Universidade Federal do Paraná in Brazil |
| December 2017, Vol.3 no.12 | Charlie Schweik, Univ. of Massachussets, USA |
| January 2018, Vol.4 no.1 | Julia Wagemann, European Centre for Medium-Range Weather Forecasts |
| February 2018, Vol.4 no.2 | Barend Köbben, Department of Geo-Information Processing University of Twente |
| March 2028, Vol.4 no.3 | Kurt Menke, Birds Eye View |
| April 2018, Vol.4 no.4 | Dr. Clous Rinner, Department of Geography and Environmental Studies at Ryerson University, Toronto, Canada |
| June 2018, Vol.4, no.6 | Martin Landa, Department of Geomatics, Faculty of Civil Engineering, Czech Technical University (CTU) in Prague |

Lab of the Month, Content table

| | |
|----------------------------|--|
| Aug 2015, Vol.1 no.1 | Open Source Geospatial Lab, Kathmandu University, Nepal (Asia) |
| Sep 2015, Vol.1 no.2 | FOSS4G Lab, University of Colorado Denver (USA) |
| Oct 2015, Vol.1, no.3 | Open Source Geospatial Lab, University of Southampton, UK (Europe) |
| Nov 2015, Vol.1 no.4 | The Northeast Institute of Geography and Agroecology of Chinese Academy of Science, China (Asia) |
| Jan 2016, Vol.2 no.1 | Centre for Geoinformation Science, University of Pretoria, South Africa, (Africa) |
| Feb 2016, Vol.2 no.2 | Open Source Geospatial Lab, University of Newcastle, UK, (Europe) |
| Mar 2016, Vol.2 no.3 | SMART Open Source Geospatial Lab, University of Wollongong, (Australia) |
| Apr 2016, Vol.2 no.4 | Regional Centre for Mapping of Resources for Development, Nairobi, Kenya (Africa) |
| May 2016, Vol.2 no.5 | GeoDa Centre – Arizona State University, (USA) |
| June 2016, Vol.2 no.6 | Direccion Nacional de Topografia – MTOP Montevideo, Uruguay, (South America) |
| July 2016, Vol.2 no.7 | SIGTE – University of Girona, Spain (Europe) |
| August 2016, Vol.2 no.8 | Open Source Geospatial Lab, Department of Geodesy and Surveying, Budapest Univ. of Technology and Economics, Hungary (Europe). |
| September 2016, Vol.2 no.9 | Open Source Geospatial Lab, Faculty of Geodesy, University of Zagreb, Croatia, (Europe) |
| October 2016, Vol.2 no.10 | Hellenic digital earth Centre of Excellence, Aristotle University of Thessaloniki, Greece, (Europe) |
| November 2016, Vol.2 no.11 | Department of Geoinformatics, Palacký University in Olomouc, Czech Republic |
| December 2016, Vol.2 no.12 | Asian Institute of Technology, Bangkok, Thailand |
| January 2017, Vol.3 no.1 | Spatial Lab, Texas A&M, Corpus Christi, USA |
| February 2017, Vol.3 no.2 | Open Source Geospatial Lab, Faculty of Civil Engineering, Belgrade, Serbia |
| March 2017, Vol.3 no.3 | Geomatics and Earth Observation Laboratory (GEOlab), Politecnico di Milano, Italy |
| April 2017, Vol.3 no.4 | Faculty of Civil Engineering, Department of Geomatics, Czech Technical University in Prague, Czech Republic |
| May 2017, Vol.3 no.5 | the Laboratory of socio-geographical research of the University of Siena, ITALY |
| June 2017, Vol.3 no.6 | A World Bridge program |
| July 2017, Vol.3 no.7 | Department of Civil, Environmental and Mechanical Engineering of the University of Trento, Italy |
| August 2017, Vol.3 no.8 | Institute of Geography, Faculty of Science, Pavol Jozef Šafárik University in Košice, Slovakia |
| November 2020, Vol.6 no.11 | Universitat Oberta de Catalunya (UOC), Spain |
| January 2021, Vol.7 no.01 | gvSIG Uruguay Community, Uruguay |



continued from page 1

- User Preparation Webinar: 3MI
Start Date: June 14, 2021
End Date: June 15, 2021
Region: Europe
Organizer: EUMETSAT
Language: English
Contact email: Sreekha Thonipparambil
(Sreekha.Thonipparambil@Eumetsat.int)

6. Courses

- Geospatial Applications for Disaster Risk Management.
Start Date: May 15, 2021
End Date: August 15, 2021
Organizer: NOOSA (United Nations Office for Outer Space Affairs) & CSSTEAP (Center for Space Science & Technology Education in Asia and the Pacific)
Language: English
Contact link:
<https://isat.iirs.gov.in/mooc.php>
Details at:
https://isat.iirs.gov.in/courseDocs27/MOOC_Brochure.pdf
- Applications of Machine Learning on EO Data.
Start Date: July 5, 2021
End Date: July 9, 2021
Organizer: EUMETSAT (online)
Language: English
Contact email: training@eumetsat.int
Details at:
<https://confluence.eumetsat.int/pages/view.page.action?pageId=121839628>

- Management of Observational Information
Start Date: July 12, 2021
End Date: July 23, 2021
Organizer: Gustavo Lopez (online)
Host: RTC-SMN Argentina
Language: Spanish
Targeted Audience: personnel performing meteorological observations, meteorological observer, aeronautical meteorological observer.
Contact email: Marines Campos
marinescampos27@gmail.com
Details at:
<https://docs.google.com/forms/d/e/1FAIpQLSeWRJjoKWzxe8gE-3Tq0XWVH12aMrZJowaUNVy9qPrmdLxSNg/viewform>

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](#)
- Open Data Science Workshop is a 5-day event with the first 2 days of training sessions in processing data cubes and using machine learning to extract content, and the following 3 days with oral talks and keynotes. The event will be hybrid, online via Zoom webinars and streamed live on the OpenGeoHub YouTube channel [\[https://www.youtube.com/channel/UC6HFFFYiV4zEYJlQMIXemWA\]](https://www.youtube.com/channel/UC6HFFFYiV4zEYJlQMIXemWA). The special theme of the workshop is: Spatiotemporal Modeling of European Landscapes and Climate 2000-2020: using EO and machine learning.
- The National Geodetic Survey (NGS) recently held a free online meeting for the 2021 Geospatial Summit. Presentations can be viewed at <https://geodesy.noaa.gov/geospatial-summit/year-2021/presentations.shtml> (language: English).



11. Free books, educational materials, etc.

- Paulo Raposo (Assistant Professor of Geovisualization, GIP Department, Faculty ITC, University of Twente) has shared a new tutorial about Basic LiDAR Data Handling using PDAL, available here: https://paulojraposo.github.io/pages/PDAL_tutorial.html
- **SPRING** is a state-of-the-art GIS and remote sensing image processing system with an object-oriented data model which provides for the integration of raster and vector data representations in a single environment. For more information and how to download the software please go to <http://www.dpi.inpe.br/spring/english/index.html>



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

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

BDS: BeiDou Navigation Satellite Demonstration System

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

CSSTEAP: Center for Space Science & Technology Education in Asia and the Pacific

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 | IPGH: Pan American Institute of Geography and History |
| EOSDIS: Earth Observing System and Data Information System | ISO: International Organization for Standardization |
| EPA: Environmental Protection Agency | ISPRS: International Society for Photogrammetry and Remote Sensing |
| EPSG: European Petrol Survey Group (used in projection IDs) | ISRO: Indian Space Research Organization |
| ESA: European Space Agency | JAXA: Japan Aerospace Exploration Agency |
| ESERO: European Space Education Resource Office | KML: Keyhole Markup Language |
| EUROGI: European Umbrella Organisation for Geographic Information | LBS: Location-Based Service |
| EuroSDR: European Spatial Data Research | LEO: Low Earth Orbits |
| FOSS: Free and Open Source Software | LiDAR: Light Detection and Ranging |
| FOSS4G: Free and Open Source Software For Geospatial | LOC: Local Organizing Committee |
| GCP: Ground Control Point | LOD: Level Of Detail |
| GDAL: Geospatial Data Abstraction Library | MEO: Medium Earth Orbits |
| GEO: Group on Earth Observations | MIL: Media and Information Literacy |
| GEO: Geosynchronous Earth Orbits | MoU: Memorandum of Understanding |
| GloFAS: Global Flood Awareness System | MSS: Multispectral Scanner |
| GNSS: Global Navigational Satellite System | NAD: North American Datum |
| GODAN: Global Open Data for Agriculture and Nutrition | NCSA: National Center for Supercomputing Applications |
| GPS: Global Positioning System | NED: National Elevation Dataset |
| GPX: GPS Exchange Format | NEPAD: New Partnership for African Development |
| GRACE: Gravity Recovery and Climate Experiment (satellite program) | NGA: National Geospatial Intelligence Agency |
| GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security | NHD: National Hydrologic Dataset |
| GSoC: Google Summer of Code | NLCD: National Land Cover Dataset |
| HLPF: High Level Political Forum (of UN) | NOOSA: United Nations Office for Outer Space Affairs |
| HOT: Humanitarian OpenStreetMap Team | NRSA: Indian National Remote Sensing Agency |
| HPC: high-performance computing | NSDI: National Spatial Data Infrastructure |
| ICA: International Cartographic Association | NSF: National Science Foundation |
| ICSU-WDS: International Council for Science – World Data System | OECD: Organisation for Economic Co-Operation and Development |
| IDE: Spatial Data Infrastructure | OER: Open Educational Resources |
| INSPIRE: Infrastructure for Spatial Information in Europe | 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

RBV: Return Beam Vidicon

RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

ROSCOSMOS: Russian Federal Space Agency

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

SWIR: Short Wave Infrared

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

VNIR: Visible Near Infrared

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

- From Rania E. Ibrahim, Amr Elramly and Hoda M Hassan, (2020). Open Systems Science: Digital Transformation and Developing Business Model toward Smart Farms' Platform. INTERNATIONAL JOURNAL OF CIRCUITS, SYSTEMS AND SIGNAL PROCESSING DOI: 10.46300/9106.2020.14.134

Abstract— This paper describes efforts by National Authority for Remote Sensing and Space Sciences (NARSS) to help the Egyptian government to manage and monitor the national projects. We successfully developed a geospatial data sharing portal (NARSSGeoPortal) as part of the government need to build national Decision Support System (DSS). We were able to solve the software development issues as well as the satellite imagery sourcing issues, but the main challenge remains around how to collect complete and correct data from the public about their private businesses nationwide. The most challenging is how to engage the public and encourage the business owners who are the main sources of data to provide the government Geoportal with data about their businesses. It is also challenging to engage the scientists and experts from government research centers into the data sharing Geoportal. Furthermore, it is a challenge to integrate the government research centers with the public businesses' daily operation. The data sharing Geoportal is built for all national projects and government authorities, however, in this paper we focus on the Agriculture authorities and farming businesses where the challenge is how to collect correct and complete data per acre about the seeds, fertilizers, water, pest control and all other farm related data that



the satellite imagery does not provide. The goal is to integrate the farms into unified national monitoring, and control system while developing advanced smart farms with the use of Internet of Things (IoT). The proposed collaboration agriculture platform fills the gap between two groups. The first group includes the government authorities, financial institutions, and research centers. The second group includes farmers, supply chain, and agriculture engineers. The platform show how employment can be generated by transforming the national ecosystem. The paper also fills a major gap in industry as well as in academia by providing the first Bluetooth Low Energy computer aided design tool that will facilitate testing, designing, deploying, managing and debugging of real Bluetooth Low Energy networks.

To get the full article go to:

<https://www.naun.org/main/NAUN/circuitssystemsignal/2020/c722005-eaq.pdf>

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. From Zhe (Sarina) Zhang: *Computational Urban Science journal welcomes original papers related to big data and urban studies!* *Computational Urban Science* publishes rigorously peer-reviewed and high-quality original articles and reviews that focus on the intersection of computational sciences and urban sciences in building intelligent and resilient cities. The journal aims to



introduce the latest results in urban computing and its applications, examine both the spatial and social dimensions of urban networks and built environment, promote the cooperation between computational disciplines and the urban domain sciences, and build a bridge for scientific communication. This journal will focus on the development of research frameworks, theories, methods, and good case studies of tackling key urban research challenges in the mobile and big data era. Sample topics include but not limited to:

1. Agent-based models of social interactions
 2. Data sharing and dissemination in urban computing research
 3. Large-scale Social activities in physical and virtual spaces
 4. Multi-scale urban modeling
 5. Privacy issues in mobile and big data and possible solutions
 6. Space-time data models for urban computing
 7. Spatiotemporal social network analysis
 8. Trajectory data mining, analysis, and visualization
 9. Visualization and computation of big health data
- Provides a unique focus on the intersection of computational science and urban science
 - Delivers a fast review for authors, with a first decision on average within 4 weeks
 - Disseminates content globally through journal website and social media platforms
 - APC fully covered/sponsored by Jiangxi Normal University

Website: <https://www.springer.com/journal/43762>

3. From Cristina Vrînceanu (Cristina.vrinceanu@nottingham.ac.uk): You are invited to submit a proposal for the 2021 UN OSGeo Educational Challenge.

The Challenge supports the objectives of the OSGeo UN Committee i.e. promoting the development and use of open source software that meets the UN needs and supports the aims of the UN.

Two challenges are envisioned in this framework:



1. Training on Satellite Data Analysis and Machine Learning with QGIS (refer as Satellite_QGIS)
2. Workshop material for pgRouting
The full description, criteria and benefits of the 2021 UN OSGeo Educational Challenge is available [here](#).

For participating, please fill the required application for proposals form included in the Proposals section of the description.

The deadline for submitting applications is 14th of June 2021.

Any additional queries regarding this topic can be addressed to un.osgeo@gmail.com.

4. Research and application of Geographic Information Technologies: Geographic Information Technologies (GIT) comprise all disciplines that allow the generation, processing or representation of geographic information, understanding geographic information as any variable georeferenced in space. Therefore, within the field of TIG very varied disciplines are included, some of great historical tradition such as Cartography, as well as others of more recent emergence, such as Satellite Positioning Systems, Geographic Information Systems (GIS), and Remote Sensing (in a broad sense, also encompassing the capture and processing of aerial photographs). The objective of this axis is to generate a critical debate with the largest possible number of experts who are related to Geographic Information Technologies in academic, research, and professional application fields. This seeks to generate a space for the exhibition of works and exchange, in which topics addressed from geography are integrated, as well as the development of applications based on geotechnology and other related disciplinary fields, which facilitate or are based on the use of geographic information. Participation in the axis will constitute an excellent opportunity to advance in the systematization and construction of the state of the art of TIG applications and account for the scientific-technological advances that are currently taking place in Latin America, as well as the various

lines of study that have been enhanced with these technologies.

Coordinador 1. Nombre y Apellido: NORA CLAUDIA LUCIONI

Email: noralu@filo.uba.ar

Datos Coordinador 2 Nombre y Apellido: ALEJANDRA GERALDI

Email: ageraldi@criba.edu.ar

Datos Coordinador 3 Nombre y Apellido: ANDRES CARDENAS CONTRERAS

Email: acardenas@udistrital.edu.co

Datos Coordinador 4 Nombre y Apellido: FERNANDA ZACCARIA

Email: fernandazaccaria@gmail.com

Datos Coordinador 5 Nombre y Apellido: LUIS PICCINALI

Email: luispicci@gmail.com

5. By Suchith Anand.

Uniting the world to tackle climate change.

Uniting the world behind science.

TRANSFORM21 is managed by the International Science Council. The ISC is a non-governmental organization with a unique global membership that brings together 40 international scientific Unions and



Associations and over 140 national and regional scientific organizations including Academies and Research Councils.

The vision of the Council is to advance science as a global public good. Scientific knowledge, data, and expertise must be universally accessible and its benefits universally shared. The practice of science must be inclusive and equitable, also in opportunities for scientific education and capacity development. Details at <https://transform21.org>.