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**

**May 2021**

3. 18-22 May: XVIII Encounter of Geographies of Latin America
   
   Venue: Córdova, Argentina

**September – October 2021**

4. 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

5. Webinars


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## Editorial Board

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

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<th>Role</th>
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- OpenCity Smart
  Theme under revision

- Teacher Training & School Education
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  - Mail list: geoforall-teachertraining@lists.osgeo.org
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- CitizenScience
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  - Website: http://wiki.osgeo.org/wiki/Geocrowdsourcing_CitizenScience_FOSS4G

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  - Mail list: https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis
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<td>gvSIG Uruguay Community, Uruguay</td>
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• User Preparation Webinar: 3MI
  Start Date: June 14, 2021
  End Date: June 15, 2021
  Region: Europe
  Organizer: EUMETSAT
  Language: English
  Contact email: Sreerekha Thonipparambil (Sreerekha.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

• The International Distance Training Course on The Basic Principles of Satellite Remote-sensing
  Start date: May, 24
  End date: June, 4
  Region: Africa, Americas, Asia & Oceania, Europe
  Organizer: CMATC/ RTC-Beijing
  Language: English
  Contact email: Ms. DENG Jingmian applycmatc@cma.gov.cn

7. Training programs

• User workshop and training on existing and new generation earth observation based products for wildfire monitoring and forecast
  Start date: May, 25
  End date: May, 27
  Region: Europe
  Organizer: Copernicus
  Language: English
  Contact email: Federico Fierli
  Federico.Fierli@eumetsat.int

• GeoForAll educational materials have been transferred to our new web site. GeoForAll educational inventory system, a place to search and share educational materials


• OpenStreetMap US has announced a free virtual event for May 20-22 called Mapping USA: Spring 2021. The event includes talks, workshops, and networking opportunities. More details and registration available at https://www.openstreetmap.us/2021/03/mappingusa/
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](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](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
- CAADDP: 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
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
GEO: Group on Earth Observations
GEO: Geosynchronous Earth Orbits
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
GRACE: Gravity Recovery and Climate Experiment (satellite program)
GRASPgfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security
GSoC: Google Summer of Code
HLPF: High Level Political Forum (of UN)
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
ISRO: Indian Space Research Organization
JAXA: Japan Aerospace Exploration Agency
KML: Keyhole Markup Language
LBS: Location-Based Service
LEO: Low Earth Orbits
LiDAR: Light Detection and Ranging
LOC: Local Organizing Committee
LOD: Level Of Detail
MEO: Medium Earth Orbits
MIL: Media and Information Literacy
MoU: Memorandum of Understanding
MSS: Multispectral Scanner
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
NOOSA: United Nations Office for Outer Space Affairs
NRSA: Indian National Remote Sensing Agency
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
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 Suchith Anand: In celebration of International Women’s Day 2021 and Open Data Day 2021, Global Open Data in Agriculture and Nutrition (GODAN) and Unique Mappers Team (one of the key GeoForAll labs in Africa) are teaming up to bring you an event bringing together these two topics and exploring gender equality in data technologies in West Africa.

Despite women making up around 50% of the agricultural workforce in the ACP region, the gender gap in relation to access to information and communication technologies (ICTs) continues to grow, making it particularly difficult for women to access important information, financial products, and markets.

The digital transformation of the agricultural sector, through the proliferation of digital technologies, tools, and services, has only served to exacerbate preexisting inequalities. While challenges such as access to education, access to financial services, connectivity, availability of electricity, and cost of essential services only serve to widen the gender data gap.
Global Open Data for Agriculture and Nutrition (GODAN) has been strongly supporting capacity development for women smallholder farmers worldwide. In 2020, GODAN organised a webinar with speakers from GODAN, LandPortal Foundation and UniqueMappersTeam to share ideas on Empowering Women for Open Data Mapping in Agriculture: Implications for Land Rights and the SDGs in Africa.


The work that UniqueMappersTeam are doing for SDG2 and women smallholder farmers land rights is very important for Zero Hunger and SDG aims. UniqueMappersTeam have contributed to the “GeoForAll contributions to the United Nations Sustainable Development Goals” aims https://www.osgeo.org/foundation-news/geoforall-miniconference-at-world-commons-week-2019/

Empowerment of women would not only empower individuals, increasing their earnings; but would also serve to empower families and entire farming communities, and partnership is a key factor to effectuating that change.

3. 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

4. Egypt launches 1st regional centre for sustainable finance to complete Knowledge Hub. The centre, the first of its kind for sustainable finance in the Middle East and Africa (MEA) region, is a step towards strengthening the Egyptian economy’s presence on the global green economy map. More details at https://dailynewsegypt.com/2021/03/14/egypt-launches-1st-regional-centre-for-sustainable-finance-to-complete-knowledge-hub/
5. 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](mailto:un.osgeo@gmail.com).

6. 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.

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