



GeoForAll

Monthly Newsletter



Be part of "Geo for All"

Table of Contents

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

1. Activities of the Network

- GeoForAll community is pleased to share the summary and [recording of the webinar](#) mini-conference on "GeoForAll contributions to the United Nations Sustainable Development Goals" during World Commons Week 2019. UniqueMappersTeam have contributed to the "GeoForAll contributions to the United Nations Sustainable Development Goals" aims (more at <https://www.osgeo.org/foundation-news/geoforall-miniconference-at-world-commons-week-2019/>)

- The work that UniqueMappersTeam is doing for SDG2 and smallholder farmers' land rights is very important for Zero Hunger and Sustainable Development Goals (SDG) aims. Details at <https://landportal.org/blog-post/2020/05/empowering-women-open-data-mapping-agriculture-implications-land-rights-and-sdgs>



4. Conferences

Europe

September 2020

1. 15-18 September: [GIScience](#)

Venue: Poznań, Poland

November 2020

2. 4-6 November: [16th International gvSIG Conference](#)

Venue: Virtual Conference

Communication proposals submission at: conference-contact@gvsig.com

The information indicated at [Communications section](#) of the event website

All the information related to the conference, including workshops information, will be published at [gvSIG Blog](#)

North and Central America and the Caribbean

July 2020

3. 6 and 10 July: II Conference of Open GIS and Open Remote Sensing in Costa Rica

Venue: Virtual Event

Registration: From June 15 to 28, 2020 by geografia.fcs.ucr.ac.cr (more details in section "17. Ideas/ Information")

August 2020

4. 24-29 August: FOSS4G.

Venue: Calgary Telus Convention Centre, Calgary, Canada (*Canceled. FOSS4G 2021 to be held in Buenos Aires, Argentina*)

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 the City of Gulfport, Mississippi 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



continued from page 1

October 2020

5. 5-9 October: III International Convention

“Geography, Environment and Land Management”

Venue: University of Havana, Convention Centre, Havana, Cuba

5. Webinars

- GODAN in partnership with Plan4All and the UN FAO and in the context of the ongoing Kampala and Dubrovnik Inspire Hackathons offer all webinars at

<https://www.plan4all.eu/updates/kampala-inspire-hackathon-2020-webinars/>. Their last webinar was on April 23, where participants could learn about the tools available through the SmartAfriHub platform, new mapping tools using QGIS, as well as a range of other tools useful in data mapping and related activities.

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](#)
- **WEKEO training workshop - Focus on marine data products**

July 15, 2020 - July 29, 2020



This training will introduce participants to WEKEO - a Copernicus Data and Information Access Service (DIAS). Details at

<https://www.wekeo.eu/web/guest/news/-/blogs/wekeo-online-training-workshop-focus-on-marine-data-products>

11. Free books, educational materials, etc.

Free book from The National Academies Press about Food and Agricultural research by 2030. Get it from <https://www.nap.edu/catalog/25059/science-breakthroughs-to-advance-food-and-agricultural-research-by-2030>

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

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

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
 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
 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
 LBS: Location-Based Service
 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	STISA 2024: Science Technology Innovation Strategy for Africa
NCSA: National Center for Supercomputing Applications	STSM: Short Term Scientific Missions
NED: National Elevation Dataset	TIN: Triangulated Irregular Network
NEPAD: NEw Partnership for African Development	UAV: Unmanned Aerial Vehicle
NGA: National Geospatial Intelligence Agency	UML: Unified Modeling Language
NHD: National Hydrologic Dataset	UN-GGIM: United Nations Global Geospatial Information Management
NLCD: National Land Cover Dataset	USGS: U.S. Geological Survey
NSDI: National Spatial Data Infrastructure	USGIF: United States Geospatial Intelligence Foundation
NSF: National Science Foundation	VGI: Volunteered Geographic Information
OECD: Organisation for Economic Co-Operation and Development	XSEDE: Extreme Science and Engineering Discovery Environment
OER: Open Educational Resources	WCS: Web Coverage Service
OGC: Open Geospatial Consortium	WFS: Web Feature Service
OHI: International Hydrographic Office	WGCapD: Working Group on Capacity Building and Data Democracy
OSGeo: Open Source Geospatial Foundation	WGS: World Geodetic System
OSM: OpenStreetMap	WISERD: Wales Institute of Social & Economic Research, Data & Methods
OTB: Orfeo Tool Box	WMO: World Meteorological Organization
PPGIS: Public Participation in Geographic Information Systems	WMS: Web Map Service
PPSR: Public Participation in Scientific Research	WMTS: Web Map Tiles Services
RCMRD: Regional Centre for Mapping of Resources for Development	WOIS: Water Observation Information System
RDA: Research Data Alliance	WPS: Web Processing Service
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	

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. 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.

3. The Faculty of Geography of the University of Havana and the co-sponsoring institutions convene the III International Convention "Geography, Environment and Land Management" under the slogan "For inclusive and sustainable territorial governance and management".

The event will be held from October 5 to 9, 2020, at the Convention Center of the University of Havana.

General objective of the Event:

Contribute to the analysis and dissemination of research carried out in the country and in other regions of the planet, mainly in Latin America, in the thematic areas of this III Convention, as well as the promotion of the scientific debate on the vital problems that currently exist in the geographical space and their transformation in view of the progress of the globalization and the dominant neoliberal

orientation, which require a geographical education that contributes to the construction of a new culture of inclusive, participatory planning, governance and territorial management, and the evaluation of experiences accumulated in overcoming the pressing problems derived from climate change.

For more information: Dra. C. Nancy Pérez Rodríguez (nan@geo.uh.cu)

4. Special Issue entitled "Applications of Remote Sensing and Geospatial Technologies to Earth Observations" in the online journal, Applied Sciences (ISSN 2076-3417, <https://www.mdpi.com/journal/applsci>).

For further reading, please follow the link to the Special Issue:

https://www.mdpi.com/journal/applsci/special_issue_s/Geospatial_RS

If this topic is of interest, you are warmly invited to submit a manuscript now or up until the deadline (1 December 2020). Submitted papers should not be under consideration for publication elsewhere. Authors are encouraged to send a short abstract or tentative title in advance.

5. The goal of the Kampala INSPIRE Virtual Hackathon 2020 is to continue to build and strengthen relationships between several EU projects and African communities that started in 2019 with [the Nairobi INSPIRE hackathon](#).

You are invited to join in celebrating the fruits of this international collaboration to support a sustainable Africa. The INSPIRE hackathon is not an event, it is a process. You can read more about the projects at <https://www.plan4all.eu/updates/kampala-inspire-hackathon-2020-challenges/>

The results of this international collaboration to support a sustainable Africa can be found at <https://www.smartafrihub.com/home/-/blogs/results-of-the-kampala-inspire-hackathon-2020>

6. Project SPIDER: open SPatial data Infrastructure eDucation nEtwoRk

The project SPIDER aims to promote and strengthen active learning and teaching towards open spatial data infrastructures. SPIDER is a collaboration of Bochum University of Applied Sciences (Germany), Delft University of Technology (Netherlands) KU Leuven (Belgium), Lund University (Sweden), and the University of Zagreb (Croatia).



The project received an Erasmus+ grant for a three-year period. In the past 20 years, European public authorities have invested considerable resources in the development of spatial data infrastructures (SDIs). National SDIs were developed throughout Europe to facilitate and coordinate the exchange and sharing of geographic data. The European INSPIRE Directive acted as an important driver for this development. These SDIs initially focused on data sharing among public authorities as a closed system. Currently, SDI education around the globe is characterized by single disciplinary or siloed views missing out on opportunities of a holistic, multidisciplinary view on SDIs. In addition, the recent Open SDI trend has not been implemented in any SDI curriculum yet. Moreover, teaching methods are still limited to traditional teaching in the classroom. As a consequence, there is barely an international exchange of educational material and approaches on open SDI among universities. An overview and detailed analysis of existing SDI education is unavailable and an international platform facilitating the SDI education is lacking. The SPIDER project aims to overcome these shortcomings. The overarching objective of the project is to promote and strengthen active learning and teaching towards Open SDI.

Sub-objectives are:

1. To explore, develop and implement the concept of Open SDI as a new paradigm to SDI education
2. To develop and promote active and multidisciplinary learning and teaching on Open SDI
3. To develop a general toolkit for implementing Open SDI in existing curricula in study programs of different disciplines
4. To drive the uptake of Open SDI teaching and learning resources by teachers and students via open online platforms

More information-Contact the project coordinator Prof. Dr. sc. Jan Schulze-Althoff (Jan.Schulze-Althoff@hs-bochum.de) and find more information about the project by visiting the website <https://sdispider.eu/wp/>.

SPIDER is an ERASMUS+ project funded under KA2 Cooperation for innovation and the exchange of good practices, KA203 – Strategic Partnerships for higher education.

7. [Empowering Women for Open Data Mapping in Agriculture: Implications for Land Rights and the SDGs](#)

[in Africa](#). There is an interesting blog post from the Land Portal Foundation (<https://landportal.org>) that summarises perfectly the interventions made by the panellists of the recently held GODAN webinar on "Empowering Women for Open Data Mapping in Agriculture: Implications for Land Rights and the SDGs in Africa"

8. From Foteini Zampati (foteini.zampati@godan.info)
Data Rights Research Specialist

The new GODAN, GFAR, CTA Codes of Conduct toolkit for agricultural data has just been launched!

The aim and purpose of this online tool on codes of conduct is to provide a guide to best data management practice to farmers and the agri-businesses and associations who collect, manage, and share their data. It has a further practical purpose: to provide the conceptual basis for general scalable guidelines for everyone dealing with the production, ownership, sharing, and use of data in agriculture.

These Guidelines help you produce a guidance list to consider when sharing or collecting agricultural data with partners.

Find out more and explore the tool here: <https://www.godan.info/news/new-agricultural-code-conduct-toolkit>

9. From Suchith Anand (Suchith.Anand@nottingham.ac.uk)

For those interested in Agrisemantics, the following resources might be of interest.

GODAN Action's Agrisemantics Map of Data Standards is at <https://vest.agrisemantics.org>

GODAN Action involves the Food and Agriculture Organization (FAO) of the United Nations, Wageningen UR, the Technical Centre for Agriculture and Rural Cooperation (CTA), the Global Forum on Agricultural Research (GFAR), AgroKnow, the Land Portal, the Open Data Institute (ODI), AidData, and the Institute of Development Studies (IDS).

A survey of semantic web technology for agriculture paper might be of interest. Details at <https://www.sciencedirect.com/science/article/pii/S214317318302580>

Recordings of panel discussion on Agrisemantics and Semantic Web Applications and Tools for Health Care and Life Sciences 2019 are at

<http://www.swat4ls.org/workshops/edinburgh2019/agrisemantics/>
<https://www.godan.info/news/agrisemantics-health-care-and-life-sciences>



10. The draft of Third Edition of Future Trends in geospatial information management: the five to ten year vision is now available for global consultation and review by the United Nations Committee of Experts on Global Geospatial Information Management. Details at https://ggim.un.org/documents/DRAFT_Future_Trends_report_3rd_edition.pdf

11. The new version of QGIS is pi version (3.14). Therefore, instead of having it named after the community meeting location, it was decided to have a map that captures the essence of Pi. Thus, there was a submission phase for two weeks and numerous maps were received. You can see all these maps at <http://blog.qgis.org/2020/06/13/qgis-pi-mapping-contest-results/>. From these maps, three were finally chosen to the final round. You can see the final three at the same link. In the public vote, Francis Josef Gasgonia's map received the most votes (46%). Congratulations Francis, and thank you.

12. The Group on Earth Observations (GEO) is turning Earth observation data and information into knowledge for action. GEO is a partnership of more than 100 national governments and in excess of 100 Participating Organizations that envisions a future where decisions and actions for the benefit of humankind are informed by coordinated, comprehensive and sustained Earth observations. You can download the full implementation plans for each activity on GEO website. Details at http://www.earthobservations.org/gwp2020_dev.php

13. From Suchith Anand
(Suchith.Anand@nottingham.ac.uk)

The International Centre for Integrated Mountain Development (ICIMOD) has been organizing the "Empowering women in geospatial information technology" training under its SERVIR Hindu Kush Himalaya (SERVIR-HKH) Initiative for the past two years. The training course, extended exclusively to young women from Nepal, provides them with theoretical as well as practical knowledge in the use of EO data and GIT using real-world examples from the HKH region. In its third iteration and in light of the ongoing COVID-19 pandemic, this intensive four-day course is being offered online to eligible women in Nepal. The training covers a wide range of topics, including principles of geographic information science

(GIS), basic concepts of remote sensing (RS), image calculation and spectral indices, and mapping using open source tools to solve emerging environmental problems. Details at

<https://servir.icimod.org/events/empowering-women-in-geospatial-information-technology>

It is great to see that ICIMOD are using Free and Open GIS in their training programs. Details on their recent training event for Virtually empowering women in Nepal with geospatial skills during the COVID-19 lockdown at <https://servir.icimod.org/news/virtually-empowering-women-in-nepal-with-geospatial-skills-during-the-COVID-19-lockdown>

GeoForAll community would like to send our congratulations to ICIMOD for organising this important initiative. This is an excellent example of Bridging the Geospatial Digital Divide and providing geo digital economy opportunities for all <https://www.osgeo.org/foundation-news/bridging-the-geospatial-digital-divide/>

<https://www.osgeo.org/foundation-news/geography-awareness-week/>

<https://www.osgeo.org/foundation-news/please-share-geoforall-teaching-research-resources-colleagues-students/>

<https://www.osgeo.org/foundation-news/open-geospatial-science/>

On behalf of GeoForAll, I would also like to thank Women in GIS, Kenya [<http://wigis.co.ke>] for their contributions to GeoForAll. Details at <https://www.osgeo.org/geo-for-all-labs/women-in-gis-kenya/>

14. There are a lot of excellent resources developed by CEOS colleagues that might be useful for educators and students. Please check the CEOS training calendar for the latest information on many courses at <https://training.ceos.org>

Many educational resources are also available at <http://ceos.org/ourwork/workinggroups/wgcapd/resources-2/>

For example, the first Massive Open Online Course on Radar Remote Sensing by [EO College](http://eo-college.org) might be of interest. Details at <https://eo-college.org/landingpage/>

The EO handbook on SDGs might be also of interest <http://eohandbook.com/sdg/>