



# GeoForAll

Monthly Newsletter



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## Be part of "Geo for All"

### 4. Conferences

#### SOUTH AMERICA

##### September – October 2021

1. 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.



2. 27 Sept – 01 Oct: [CALMET XIV](#)

[Conference](#): Bringing together the best of Online to Learning.

Venue: Online

Host: WMO RTC SMN, VLab Centre of Excellence Argentina



#### NORTH AMERICA

##### November 2021

3. 19-21 Nov.: [106th NCGE Annual Conference](#)

Venue: Minneapolis Convention Center, MN, USA

Organizer: National Council for Geographic Education

#### ASIA

##### October 2021

4. 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](https://www.gislounge.com/self-guided-qgis-courses/?utm_medium=email&utm_campaign=GISNL-Aug-27-2020&utm_source=YMLP)



## 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 <a href="mailto:labrinos@eled.auth.gr">labrinos@eled.auth.gr</a></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 <a href="mailto:bulbul@grel.ist.edu.pk">bulbul@grel.ist.edu.pk</a></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 <a href="mailto:it-technologies@yandex.ru">it-technologies@yandex.ru</a></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 &amp; Information Researcher, Division of Scientific Training &amp; Continuous Studies, National Authority for Remote Sensing &amp; Space Sciences, Cairo, Egypt. <a href="mailto:ranyaalsayed@gmail.com">ranyaalsayed@gmail.com</a></p>	Africa
<p>Co-editor</p> 	<p>Seraphim Alvanides, Reader (Geographical Information Science) Northumbria University, Newcastle NE1 8ST, United Kingdom. <a href="mailto:s.alvanides@gmail.com">s.alvanides@gmail.com</a></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 <a href="mailto:aperezn@uoc.edu">aperezn@uoc.edu</a></p>	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
<p>Co-editor</p> 	<p>Emma Strong Planner with Pueblo County, Colorado <a href="mailto:eestrong118@gmail.com">eestrong118@gmail.com</a></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 <a href="mailto:sergio.acostaylara@mtop.gub.uy">sergio.acostaylara@mtop.gub.uy</a></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 Voudrulis, MSc, PhD in geography education. <a href="mailto:nvoudrulis@gmail.com">nvoudrulis@gmail.com</a></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 <a href="mailto:paulocoronado@gmail.com">paulocoronado@gmail.com</a></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](mailto:geoforall-teachertraining@lists.osgeo.org)

➤ Website: [http://wiki.osgeo.org/wiki/GeoForAll\\_TeacherTraining\\_SchoolEducation](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](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](mailto: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](mailto: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](mailto: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](mailto: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](mailto: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 2018, 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



## 6. Courses

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- 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](https://isat.iirs.gov.in/courseDocs27/MOOC_Brochure.pdf)
- Species Distribution Modeling with Remote Sensing

Start date: Aug. 12, 2021

End date: Aug. 19, 2021

Organizer: NASA – ARSET

Language: English

Contact email: [brock.blevins@nasa.gov](mailto:brock.blevins@nasa.gov)

Details at: <https://go.nasa.gov/3hWSdAS>
- Open Data Science Europe Workshop 2021: Spatiotemporal modeling of European Landscapes and Climate 2000–2020: using EO and Machine Learning

Start date: Sept. 6, 2021

End date: Sept. 10, 2021

Host: Wageningen, The Netherlands

Format/ Training type: Classroom course, Online course, workshop.

Language: English

Contact email: [support@opendatascience.eu](mailto:support@opendatascience.eu)

Link: <https://opendatascience.eu/>

Thematic Area: Climate, Urban Development

- Supporting Marine EO Educators: Professional development, knowledge exchange and Networking workshop

Start date: Aug. 30, 2021

End date: Sept. 17, 2021

Host: EUMETSAT

Organizer: Copernicus

Contact name: Lauren Biermann

Contact email:

[Copernicus.training@eumetsat.int](mailto:Copernicus.training@eumetsat.int)

Details at: <https://oceanexpert.org/event/3064>

- Monitoring Coastal and Estuarine Water Quality: Transitioning from MODIS to VIIRS (3-Part Training)

Start date: Sep. 14, 2021

End date: Sep. 21, 2021

Organizer: NASA Applied Remote Sensing Training Program (ARSET)

Language: English, Spanish

Contact name: Brock Blevins

Contact email: [brock.blevins@nasa.gov](mailto:brock.blevins@nasa.gov)

Details at: [https://appliedsciences.nasa.gov/join-mission/training/english/arset-monitoring-coastal-and-estuarine-water-quality-transitioning?utm\\_source=social&utm\\_medium=ext&utm\\_campaign=Estuaries-21](https://appliedsciences.nasa.gov/join-mission/training/english/arset-monitoring-coastal-and-estuarine-water-quality-transitioning?utm_source=social&utm_medium=ext&utm_campaign=Estuaries-21)



EARTH SCIENCE  
APPLIED SCIENCES

## 7. Training programs

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- GeoForAll educational materials have been transferred to our new web site. [GeoForAll educational inventory system, a place to search and share educational materials](#)





## 11. Free books, educational materials, etc.

Visit the YouTube QGIS channel at <https://www.youtube.com/channel/UCGS162t4hkOA0b35ucf1yng/videos> to get videos of QGIS applications, representations and ideas.

FOSS4G is the international edition of the Free and Open Source Software for Geospatial conference (FOSS4G) of the Open Source Geospatial Foundation. The annual FOSS4G conference is the largest global gathering for geospatial software. The full academic proceedings and individual papers from the FOSS4G Global conferences (Starting from Nottingham FOSS4G) are available at <https://scholarworks.umass.edu/foss4g/>.

Recordings from FOSS4G presentations are also made available thanks to German National Library of Science and Technology at <https://av.tib.eu/publisher/FOSS4G>

## 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](mailto: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



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

GDAL: Geospatial Data Abstraction Library

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  
 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

## 17. Ideas / Information

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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. 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>.



3. From Antoni Pérez Navarro (Universitat Oberta de Catalunya - [aperezn@uoc.edu](mailto:aperezn@uoc.edu)).

**Edusat** ([www.edu-sat.com](http://www.edu-sat.com)) is an educational resource for exploring the Earth through satellite images. The platform allows dissemination and understanding of the science of remote sensing to a non-specialized audience, whether high school or university teachers, as well as the students themselves. The tool provides everyone with a resource that shows the potential of satellite imagery and its use from case studies for the analysis of natural events and socio-environmental issues.

From the resources offered by Edusat, students, teachers, researchers, and the general public will be able to learn to identify, control, and analyse the transformations in the earth's surface produced by global environmental change: from the deforestation of the Amazon to the impact of the storm Gloria or the retreat of the glacier on the Aneto mountain in the Pyrenees. From different practical cases, users will be able to identify these natural phenomena such as forest fires, glacier melting, deforestation, or urban growth while learning to explore and process satellite images to obtain results.

The Edusat website is now available in three languages (Catalan, Spanish, and English) and has been created by Geographical Information Systems

and Remote Sensing Service (SIGTE) with the support of Cordinet as well as the Institute of the Environment and the Department of the University of Girona.

4. From: Dr Suchith Anand

([Suchith.Anand@nottingham.ac.uk](mailto:Suchith.Anand@nottingham.ac.uk)), Chief Scientist, Global Open Data for Agriculture and Nutrition.

### **Transforming food systems for food security, improved nutrition, and affordable healthy diets for all**

The State of Food Security and Nutrition in the World is an annual flagship report jointly prepared by the Food and Agriculture Organization (FAO) of the United Nations, the International Fund for Agricultural Development (IFAD), the United Nations Children's Fund (UNICEF), the UN World Food Programme (WFP), and the World Health Organization (WHO) to inform on progress towards ending hunger, achieving food security, and improving nutrition and to provide in-depth analysis on key challenges for achieving this goal in the context of the 2030 Agenda for Sustainable Development. The report targets a wide audience, including policy-makers, international organizations, academic institutions, and the general public.

The full SOFI 2021 report is online at <http://www.fao.org/publications/sofi/2021/en/>

Brief interactive story, highlighting key findings of the report at <http://www.fao.org/state-of-food-security-nutrition/en/>

5. The CyberGIS Center for Advanced Digital and Spatial Studies at UIUC is recruiting a Postdoctoral Researcher (application deadline: **August 15, 2021**). The ads and application instructions are available on this webpage: <https://cybergis.illinois.edu/opportunity/>. Selected candidates are expected to join a dynamic team to make exciting contributions to advancing cyberGIS and geospatial data science. These positions are full-time and eligible for attractive benefits.

