Be part of "Geo for All"

Table of Contents

3. Events

• The links to the presentations of the 3rd United Nations Open Science Conference, "Accelerating the Sustainable Development Goals, Democratizing the Record of Science" are available at https://www.un.org/library/OS23

• The African Association of Universities (a University Association counting over 400 Universities across the African Continent), together with the University of Nottingham and the Ethical Data Initiative, launched a campaign for the inclusion of Data Ethics in Data Science education on a global scale.

The campaign – seeking to highlight the importance of teaching researchers and future data practitioners about the ethical considerations in the collection, use, reuse, and storage of data as part of their training – began with a series of informative panel events aired on AAU TV, with the inaugural show on **Data Ethics Policy in Education** starting at 10h00 (British Summer Time) on **Tuesday May 23**, **2023**. The AAU TV network was established in 2018 to deliver news and information on important higher education-related issues on the African Continent such as advancements in education policy, STEM innovation, and important research findings. The Ethical Data Discussion series will explore pressing ethical questions inherent in digital technology, data collection, and data-driven research; highlighting the need for training digital practitioners in the ethics of their craft.

We are living in a digitally transformed society. Data drives problem-solving and better decision-making. While the digital revolution has transformed the way we live, solving many issues; it has also given rise to numerous questions and challenges which affect everyone.

The panel, made up of experts in International Development, Data Science, Technology, and Education discussed key questions such as:

▪ Who owns our data? Who benefits from our data?

▪ How we might avoid the pitfalls of feudalism and colonialism in this new and constantly evolving landscape.

Editorial Board

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

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.

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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

GeoForAll

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 ProcessingUniversity 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 Colarado 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, Bangkog, 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

▪ Whether, and why, it might be time for data ethics to become an integral part of the education curriculum in schools and universities.

▪ How can we can build capacity for Data Ethics in universities and industry.

More details at

https://ethicaldatainitiative.org/2023/05/12/data-ethics-policy-in-higher-education/

4. Conferences

South America

November 2023

1. 21-25: XIII Remote Sensing Education Conference
   Venue: Manaus / Amazonas / Brazil

Asia

October 2023

2. 30/10 – 3/11: Asian Conference on Remote Sensing 2023

   Venue: Taipei, Taiwan

December 2023

3. 4-5: The 2nd Ramon International Geospatial Intelligence 360 Conference Geospatial Intelligence for Sustainable and Resilient Future

   Venue: Tel-Aviv, Israel

Europe

June 2023

4. 13-14: EXPANDEO - the European Association of Remote Sensing Companies Annual Conference

   Venue: Brussels, Belgium

5. 14-15: Jornada SIG Libre (GIS Conference)

   Venue: University of Girona, Girona, Spain

   Program now available on the website

6. 26/6 – 02/7: Academic Track of FOSS4G (Free and Open Source Software for Geospatial) 2023

   Venue: Prizren, Kosovo

   July 2023

7. 4-6: GI_Salzburg23

   Venue: Salzburg, Austria

8. 11-14: 13th International Symposium on Digital Earth

   Venue: Athens, Greece

   Africa

   September 2023

9. 2-7: ISPRS Geospatial Week 2023

   Venue: Cairo, Egypt

   North America

   October 2023

10. 24-25: FOSS4G North America

    Venue: Baltimore, Maryland, USA

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/

- **Geoprocessing using Python**

  Start date: July 17, 2023

  End date: Aug. 18, 2023

  Host: Indian Institute of Remote Sensing, Indian Space Research Organization

  Organizer: Indian Institute of Remote Sensing, Indian Space Research Organization
  Format: Online course
  Language: English
  Application deadline: July 7
  Contact name: Harish Karnatak
  Contact email: harish@iirs.gov.in
  Link: https://www.iirs.gov.in/webinar

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

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.

- **Community Use of Light Drones for the Management, Conservation, and Defense of the Territory**

  We are delighted to share the book "Uso comunitario de drones ligeros para la gestión, conservación y defensa del territorio" (in Spanish) "Community Use of Light Drones for the

Management, Conservation, and Defense of the Territory," a document dreamt of and written by Nicolás Vargas-Ramírez, Jaime Paneque-Gálvez, and the Jardines de la Mintsita Ecological Community within the framework of work led by the Research Group on Science and Community Territorial Knowledge (GICOTE).

Our main objective with this book is to provide enough information on the necessary elements for community use of light drones in their different phases (equipment selection, flight types, capture, storage, processing, analysis and use of information, applicable regulatory aspects, and best practices for their use). This book is available for free download on ResearchGate under the international Creative Commons Attribution-NonCommercial-ShareAlike 4.0 license: https://www.researchgate.net/publication/370100253_Uso_comunitario_de_drones_ligeros_para_la_gestion_conservacion_y_defensa_del_territorio

We hope that this book, available only in digital version, will take flight through cyberspace and land in those communities, collectives, and organizations interested in exploring or consolidating the use of drones as a tool to manage, conserve, and defend their territories.

12. Article

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: Cartograhy 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 Hydrometeorologyand Enviromental 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

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. Call for article submission

The International Journal for Participatory Mapping (IJPM) Editorial Board (journal@pmappingsociety.org) has identified special themes for the first four issues which will cover the first two years of the publication. Papers can be submitted for peer review anytime before the deadlines outlined in the theme calls. You need to indicate your intent to submit a paper by email to the guest editor of a special issue with the title of the paper, authors, and abstract. The full manuscript, as a word document, will be uploaded to IJPM Dashboard.

Issue 1 - Unravelling the history, theory, scope, and politics of participatory mapping (submit by June 1st, 2022)

Issue 2 - Methods and Practice of Participatory Mapping (submit by December 1st, 2022)

Issue 3-Indigenous and Rural Community Mapping (submit by April 2023)

Issue 4 - The Impact of Participatory Mapping on Urban Planning and Development (submit by August 2023)

If you're unsure if your topic fits within the scope of the journal, please email journal@pmappingsociety.org.

3. From Suchith Anand
(Suchith.Anand@nottingham.ac.uk)
Senior Adviser to Governments and International Organisations | Scientist | Board member | Governance | Policy | Consultant in Data Science and Data Ethics | Global Citizen | SDG Volunteer and Advocate

In response to the rapid emergence of new and powerful generative AI tools, on Thursday, UNESCO held the first global meeting of Ministers of Education to explore the immediate as well as far-reaching opportunities, challenges, and risks that AI applications pose to education systems. Over 40 Ministers came together to share policy approaches and plans on how best to integrate these tools into education. During the online discussion on 25 May 2023, UNESCO presented a roadmap on generative AI and education, including open multistakeholder dialogue.
Details at https://www.unesco.org/en/articles/ai-unesco-mobilizes-education-ministers-around-world-co-ordinated-response-chatgpt

4. XIII Remote Sensing Education Conference
By Tatiana Pará <tatianamdefreitas@gmail.com>
The Latin American Association of Remote Sensing Specialists (SELPER Brazil), the StateUniversity of Feira de Santana (UEFS), the Federal University of Amazonas (UFAM), the State University of Amazonas (UEA), the Postgraduate Program in Water Resources Management and Regulation (ProfÁgua), and the Geography Course at UEA wish to invite the entire technical-scientific community involved in Education, Remote Sensing, Geotechnologies, and related fields to participate in the XIII Remote Sensing Education Conference within the framework of Mercosur with the theme: "For a better-known planet: consolidating Geotechnologies in Education." Submission of papers: Full papers should be submitted from April 1 to July 31, 2023. The best papers will be published in a journal. Information: 13jesram@gmail.com.
More information:
https://selperbrasil.org.br/wp-content/uploads/2023/03/1a-CIRCULAR-XIII-JORNADA-DE-EDUCACAO-EM-SENSORIAMENTO_Final-1.pdf

5. The Ethical Data Initiative were delighted to be invited to partner with the African Institute for Capacity Development (AICAD) to deliver Data Ethics training to over 50 data science faculty and PhD

supervisors from its consortium of over 20 universities across Uganda, Tanzania, and Kenya. The course took place from 2-15 May 2023. The graduate studies supervisor course aimed not only to teach key fundamentals of Masters and PhD research supervision, but also to equip attendees with up-to-date and relevant information to address the challenges of supervising data science postgraduate courses in the modern age.

Details at
https://ethicaldatainitiative.org/2023/05/18/data-ethics-and-rri-faculty-training-in-aicad-universities/
With hundreds of universities across the world already supporting the Campaign for Data Ethics in Higher Education, there is huge momentum building.
If you are working towards, or planning on working towards, including Data Ethics in your university curriculum – or are planning on expanding your current offering – it would be nice to hear from you. Please contact
kathryn.bailey@ethicaldatainitiative.org