GeoForAll

Monthly Newsletter

Table of Contents

Be part of "Geo for All"

4. Conferences

Europe

February 2025

1. 24-26: GeoPython 2025

Venue: Basel, Switzerland

March 2025

2. 31: "Shaping the Future of Data Ethics: EDI Town Hall 2025."

Venue: TUM Think Tank, Munich School of Politics and Public Policy, Richard-Wagner-Straße 1, 80333 Munich, Germany (details in section "Ideas/ Information")

May 2025

3. 16-17: EUROGEO (details soon)

Venue: Skopje, North Macedonia

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/

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

- Copernicus MOOC
  On going MOOCs in English.
  The course addresses three key topics
  ➢ Chapter 1 – Understanding Copernicus data and services – what they are, and how they can be accessed and used
  ➢ Chapter 2 – Learning from success stories – understanding how existing Copernicus-enabled services and applications have been developed and deployed
  ➢ Chapter 3 – Doing it yourself – acquiring the key skills and knowledge to develop and deploy Copernicus-enabled products and services and to navigate the Copernicus ecosystem.

Editorial Board

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

GeoForAll

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 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

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.

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

AOSP: African Open Space Platform

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

CHIRPS - Climate Hazards Group InfraRed Precipitation with Station data

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

FDO: FAIR (Find, Access, Interoperate, and Reuse) Digital Objects

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

ICIMOD – International Centre for Integrated Mountain Development

ICSU-WDS: International Council for Science – World Data System

IDE: Spatial Data Infrastructure

IFAD – International Fund for Agricultural Development

INSPIRE: Infrastructure for Spatial Information in Europe

IPCC – Intergovernmental Panel on Climate Change

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

NARSS: National Authority for Remote Sensing and Space Sciences of Egypt

NCSA: National Center for Supercomputing Applications

NDVI - Normalized Difference Vegetation Index

NDWI - Normalized Difference Water Index

NED: National Elevation Dataset

NEPAD: NEw Partnership for African Development

NGA: National Geospatial Intelligence Agency

NHD: National Hydrologic Dataset

NIR - Near-Infrared

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

13.   Scholarships   for students and staff

1. The Faculty of Humanities, Arts and Social Science at the University of Exeter has scholarship funding of over £1.7m available to support both home and international PhD applicants starting their postgraduate research degree in September 2025.

Exeter is a centre for world-leading research across the Humanities, Arts and Social Sciences. Our departments are consistently placed at the top of national and international rankings. We have a number of opportunities available for excellent candidates with exciting projects across the Humanities, Arts and Social Sciences here at the University of Exeter.

For further information about each studentship is at https://www.exeter.ac.uk/study/pg-research/funding/phdfunding/fundingbyfaculty/hass/

For students interested in Sociotechnical Futures and Digital Methods, this studentship opportunity might be of interest:

https://www.exeter.ac.uk/study/funding/award/?id=5303

The Faculty of Humanities, Arts and Social Sciences is launching its UK Global Majority studentship for 2025/26. We recognise the sector-wide underrepresentation of UK Global Majority – sometimes referred to as Black, Asian and Minority

Ethnic (BAME) – students at PhD level in Humanities, Arts and Social Sciences, and the Studentship represents our commitment to expanding the opportunities for the most able students irrespective of background or financial circumstances.

Details at https://www.exeter.ac.uk/study/funding/award/?id=5318

2. By **Dr. Antoni Perez-Navarro, PhD,** Estudis d'Informàtica, Multimèdia i Telecomunicació, Universitat Oberta de Catalunia

New call for UOC Predoctoral Grants in doctoral programmes

For the 2025/2026 academic year, the Universitat Oberta de Catalunya (UOC) is offering two calls for grants for students. One call for the following doctoral programmes:

Society, Technology and Culture

Education and ICT (E-learning)

Network and Information Technologies

Health and Psychology

Humanities and Communication

Law, Politics and Economics

You can consult the rules and conditions of the call for applications here (link).

And a call for the following interuniversity doctoral programmes:

Business Administration and Management (programme run jointly with the following universities: UPC, UPM, UPCT)

Tourism (programme run jointly with the following universities: UMA, UA, UCA, UCM, UEX, ULL, Nebrija, URJC, USC, US, UVigo)

You can consult the rules and conditions of the call for applications here (link).

The deadline for applications is 3 February 2025 (11:59 p.m. CET). No applications submitted after the deadline or without all the correct supporting documents will be accepted. We recommend not waiting until the last moment; this should enable you to deal with any doubts or technical issues that may arise.

These grants are only available to full-time students carrying out regular research at the UOC's Interdisciplinary R&I Hub facilities located in Barcelona.

Applicants can find further details about the admission process as well as the contents and organization of each doctoral programme on the Doctoral School website. You should start by requesting access to the welcome and information service and contacting the researcher responsible for the thesis proposal.

The UOC is a fully accredited online university. Its headquarters are in Barcelona and its students, from all around the world, total more than 90,000 a year. The UOC welcomes students seeking to develop their research in an international environment, with highly qualified colleagues, and in programmes that adhere to the Bologna Process.

Full details: https://www.uoc.edu/portal/en/escola-doctorat/beques/beques-uoc-escola-doctorat/index.html

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. By Suchith Anand, Professor of Exeter University, UK

On behalf of the Ethical Data Initiative (EDI) at the TUM Think Tank and the University of Exeter, we would like to invite you to participate in our first annual multi-stakeholder town hall meeting titled "Shaping the Future of Data Ethics: EDI Town Hall 2025." The event will take place on March 31, 2025, at the TUM Think Tank, Munich School of Politics and Public Policy, Richard-Wagner-Straße 1, 80333 Munich.

The event and workshop will bring together EDI Affiliates, selected experts, and key stakeholders to discuss the future of research and data ethics, while

collaboratively shaping plans for our activities and community. The programme will include updates on ongoing EDI activities in education, policy, and research, as well as insights from leading data practitioners, global institutions, and policy networks.

We are excited to introduce our two confirmed keynote speakers:

– Hilary Hanahoe, Secretary General of the Research Data Alliance (RDA)

– Xiao-Li Meng, Founding Editor-in-Chief of the Harvard Data Science Review and former Dean of the Harvard University Graduate School of Arts and Sciences

Parts of the event will be hybrid, however, we are pleased to offer a number of in-person places to our wider networks. Details at

https://ethicaldatainitiative.org/2024/12/20/ethical-data-initiative-annual-townhall-event/

If you are not yet registered, we invite you to join the Ethical Data Initiative as an Affiliate. Click here for the Affiliate registration form and additional information on how you can get involved and connect with our growing community at https://ethicaldatainitiative.org/join-community/

If you have any questions or need further information, please do not hesitate to contact Kate at kathryn.bailey@ethicaldatainitiative.org

3. By Sergio Acosta y Lara, Departamento de Cartografía Digital Dirección Nacional de Topografía, Ministerio de Transporte y Obras Públicas, URUGUAY

CARLOS LÓPEZ-VÁZQUEZ, Head of the Academic Liaison Committee Cartography Commission, Pan American Institute of Geography and History is pleased to announce the Call for Applications to the eleventh edition of the "Prize for the Outstanding Master's thesis in Cartography, Geodesy and/or

Geographic Information" organized by the Pan American Institute of Geography and History (PAIGH).

The call will open 1st June 2025 and will close 30th June 2025. In a few words, Master's level students graduated between 1st January 2020 and 31st December 2024 can apply. In addition, they should satisfy one of two conditions: a) be a citizen of any PAIGH member state, irrespective of the granting university, or b) have a degree granted by an accredited university in any PAIGH member state, irrespective of the student's citizenship. The candidates must write a scientific paper summarizing their work, a fact that justify an early announcement well before June.

The announcement can be downloaded from

https://comisiones.ipgh.org/CARTOGRAFIA/Premio/Tesis_MSc_2025/Poster_Premio_Cartografia_MSc_2025_EN.pdf

Updates will be available soon at

https://comisiones.ipgh.org/CARTOGRAFIA/PremioMSc_EN.html

To date, member states of PAIGH are Argentina, Belice, Bolivia, Brasil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, United States of America, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Perú, Dominican Republic, Uruguay and Venezuela.