GeoForAll
Monthly Newsletter

OSGeo

ICA ACI

isprs
Information from imagery

Table of Contents

Be part of "Geo for All"

1. Activities of the Network

- [Ottawa, Ontario, OSGeo Meetup Group](http://www.meetup.com/OttawaOSGeo/) meets on the third Thursday of each month. If you are located in the area, go to the link to sign up to the group and get updates about future events. [(http://www.meetup.com/Ottawa OSGeo/)](http://www.meetup.com/OttawaOSGeo/)

2. B) GeoAmbassador of the Month

Kurt Menke

By Suchith Anand
GeoForAll

Dear Colleagues,

On behalf of the GeoForAll community, it is my great pleasure to honour Kurt Menke as our GeoAmbassador. A former archaeologist, Kurt Menke is a

Certified GIS Professional (GISP) based out of Albuquerque, New Mexico, USA. He received a Master's degree in Geography from the University of New Mexico in 2000. That same year he founded [Bird's Eye View](#) to apply his expertise with GIS technology towards ecological conservation. Along with conservation, his other focus areas are public health and education. He splits his time between GIS consulting and education.

Kurt Menke

Kurt is an avid open source GIS proponent, recently co-authoring [Mastering QGIS](#) for Packt Publishing and authoring [Discover QGIS](#) through Locate Press. In 2015 he became an OSGeo Charter Member. He is an experienced FOSS4G educator and is a co-author of the [GeoAcademy](#). He teaches on a regular basis. He is also experienced in developing college GIS curricula. Bird's Eye View is a [GeoForAll lab](#). In 2015 he was part of the [GeoAcademy](#) team awarded the [GeoForAll Educator of the Year award](#).

Editorial Board

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

Chief Editor	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	Oceania
Co-editor	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	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.
Co-editors	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	Russia, Mongolia, China, Japan, S. Korea, Vietnam, Thailand, Malaysia, Laos, Myanmar, Cambodia, Singapore, Brunei, Indonesia, Philippines, Turkmenistan, Uzbekistan, Tajikistan and Kyrgyzstan.
Co-editor	Rania Elsayed, Computers & Information Researcher, Division of Scientific Training & Continuous Studies, National Authority for Remote Sensing & Space Sciences, Cairo, Egypt. ranyaalsayed@gmail.com	Africa
Co-editor	Seraphim Alvanides, Reader (Geographical Information Science) Northumbria University, Newcastle NE1 8ST, United Kingdom. s.alvanides@gmail.com	Scandinavian countries, Denmark, Germany, Austria, Switzerland, UK, Ireland, Iceland
Co-editor	Antoni Perez Navaro, Associate Professor at Universitat Oberta de Catalunya (UOC) Computer Sciences and Multimedia Department aperezn@uoc.edu	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
Co-editor	Emma Strong, Planner with the City of Gulfport, Mississippi eestrong118@gmail.com	North and Central America
Co-editor	Sergio Acosta Y Lara, Departamento de Geomática Dirección, Nacional de Topografía, Ministerio de Transporte y Obras Públicas, URUGUAY sergio.acostaylara@mtop.gub.uy	South America
Co-editor	Codrina Ilie, PhD student at the Technical University of Civil Engineering, Bucharest, Romania	The Balkans, Ukraine, Moldavia, Estonia, Lithuania, Belarus, Latvia, Hungary, Czech Republic, Slovakia
Production Designer	Nikos Voudrislis, MSc, PhD in geography education. nvoudris@gmail.com	Design and final formation of the newsletter
	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	Translator and designer of the Spanish Edition

GeoForAll Themes

- **OpenCity Smart**
  - ➢ Chairs: Chris Pettit (Australia), Patrick Hogan (USA)
  - ➢ Mail list: http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-urbanscience
  - ➢ Website: http://wiki.osgeo.org/wiki/Opencitysmart

- **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: Rania Elsayed Ibrahim (Egypt), 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

Currently, he develops curriculum and teaches for Central New Mexico Community College, University of New Mexico Continuing Education, and Del Mar College. His offerings range from a semester-long Intro to FOSS4G course he originally developed in 2009, to short courses and professional workshops. He is the first US educator to be an authorized QGIS training center.

For those interested in community health mapping and information on Low Cost Mapping Tools for Community-based Organizations, you might be interested in the resources at https://communityhealthmaps.nlm.nih.gov/about/

We are proud to honour Kurt Menke as our GeoAmbassodor, and we are extremely grateful for his contributions to GeoForAll and for his excellent contributions for expanding geoeducation opportunities for all.

Best wishes,

Suchith Anand

3. Events

From Patricia Solís, Ph.D., Research Associate Professor of Geography, Texas Tech University.
Co-Founder and Director, YouthMappers

Dear Geo4All friends,

We are happy to announce that YouthMappers is now a network of 100 chapters in 30 countries! Please help us in welcoming our 100th chapter in 100 weeks: The Nature Club at Karatina University!

Read our blog post welcoming them to the network. (While you're at it, there are so many great blogs there from our youth!)

Thanks to all of you for all you do to support the involvement of all of our students everywhere in mapping for resilience, helping them engage and

learn and contribute to your work. YouthMappers are not just building maps, but building mappers!

Also, to show our gratitude to USAID who has sponsored the creation of this network, please help us spread the word, and re-tweet USAID's announcements of our 100th chapter: https://twitter.com/USAID/status/961364263616106497, https://twitter.com/USAIDEastAfrica/status/960022652139327488

On behalf of our whole coordinating team at TTU, George Washington University, West Virginia University, and friends at the USAID GeoCenter, we welcome your universities to join this movement for students, too!

4. Conferences

Europe

March 2018
1. 8-9 March: FOSS4G UK 2018.
Venue: London, UK (The Geovation Hub 1 Sekforde Street Clerkenwell Green London EC1R 0BE)

2. 19-20 March: Interest Group on Agricultural Data (IGAD) pre-Conference meeting
Venue: Berlin, Germany.

3. 21-23 March: RDA 11th Plenary
Venue: Berlin, Germany

April 2018
4. 8-13 April: European Geosciences Union General Assembly
Venue: Vienna, Austria

5. 17-20 April: GISRUK 2018 - 26th annual GIScience Research UK conference
Venue: University of Leicester, UK.

June 2018
6. 13-15 June: 21st International AGILE Conference, AGILE 2018 "Geospatial Technologies for All".
Venue: Lund, Sweden

July 2018

7. 28-30 July: State of the Map 2018.

Venue: Politecnico di Milano, Piazza Leonardo da Vinci, Milan, Lombardy, Italy.

October 2018

8. 1-5 October: ISPRS Com IV Symposium
Venue: Delft, The Netherlands

9. 9-11 October: 5th Open Source Geospatial Research and Education Symposium

Venue: University of Applied Sciences and Arts of Southern Switzerland (SUPSI)

North and Central America and the Caribbean

March 2018

10. 19-23 March: 10th International Congress of Geomatics GEOMÁTICA 2018
Venue: Havana, Cuba
Convention Website:
http://www.informaticahabana.cu/es

May 2018

11. 14-18 May: FOSS4G North America
St. Louis, Missouri, USA
Call for papers: Workshop submission deadline is January 15, 2018. Talk submission deadline is February 8, 2018.

June 2018

12. 6-9 June: MESCYT - XIV International Scientific Research Congress
Venue: Santo Domingo. Dominican Republic
Deadline for proposals is 15 April 2018

Africa

April 2018

13. 17-19 April: 7th Digital Earth Summit "Digital Earth for Sustainable Development in Africa"
Venue: Faculty of Science, Chouaib Douakkali University El Jadida, Morocco.

August 2018

14. 27-28 August: FOSS4G 2018 Workshop
    28-31 August: FOSS4G 2018: Main Conference
Venue: Dar es Salaam, Tanzania
The deadlines of the FOSS4G Academic Track in Dar Es Salaam have been changed in this way:
Abstract Submission deadline is 15 February 2018
Abstract acceptance notice is 15 March 2018
Early Bird Registration closes 15 May 2018
Camera ready paper for the Proceedings has to be submitted by 30 April 2018

September 2018

15. 1-2 September: FOSS4G 2018: Code Sprints and Community Events
Venue: Dar es Salaam, Tanzania

October 2018

16. 22-26 October: International Data Week 'Digital Frontiers of Global Science'
Venue: Gaborone, Botswana

South America

March 2018

17. 21-22 March: 3rd gvSIG Festival: A new edition of the virtual conference about gvSIG
The program is available at
http://www.gvsig.com/en/events/gvsig-festival/3rd-gvsig-festival/program

18. 26 – 28 March: South America Water from Space Conference
Venue: Universidad Tecnológica de Chile INACAP, Sede Santiago Sur
Adress: Av. Vicuña Mackenna 3864, Macul Santiago, Chile

5. Webinars

- Recording of webinar on "gvSIG Suite: Open Source Software for Geographic Information Management in Agriculture" is now available at https://blog.gvsig.org/2018/02/16/recording-of-webinar-on-gvsig-suite-open-source-software-for-

geographic-information-management-in-agriculture-is-now-available/

- Open Course of Big Data for Smart Cities in Spanish
http://www.tysmagazine.com/curso-gratuito-de-big-data-para-una-ciudad-inteligente/

- gvSIG Suite Solution for Geospatial Analysis and Crime Management
https://blog.gvsig.org/2018/02/23/webinar-geoforall-iberoamerica-presentacion-gvsig-crime-solucion-de-la-suite-gvsig-para-analisis-geoespacial-y-gestion-del-delito/

6. Courses

- GRASS GIS course focused on working with imagery data (Modis and Sentinel 2) covering introduction into GRASS GIS, graphical modeling, Python scripting, and GRASS Temporal Framework. A new GRASS addon for downloading and importing Sentinel 2 products are also introduced in this course. Advanced topics like scripts parallelization, or WPS process creation are also explained.

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

10. New free and open software, open data, etc.

- From Alexander Zipf (zipf@uni-heidelberg.de)

In case you always wanted to use a free and open service API for routing, geocoding, isochrones or matrix calculation based on open data from OpenStreetMap using Python, your dream has come true.

This is of particular interest when teaching open source GIS tools and programming or geospatial App development.

HeiGIT has finally developed a pretty handy python API for all of you pythoniasts out there. This library makes requests to the openrouteservice API extremely simple.

With this you will be able to query the following services

with a couple of lines of python code.

- directions (route planning)
- matrix (distance/Time matrixes)
- geocoding
- isochrones (accessibility)

Find the sources on GitHub and install it via pip

- SARbian: The free and open SAR software suite

https://eo-college.org/sarbian/

- gvSIG Desktop 2.4, the new version of the open source Geographic Information System, is now available. You can access both the gvSIG Desktop 2.4 installable and portable versions from the download section of the project website here: http://www.gvsig.com/en/products/gvsig-desktop/downloads

A list of the updates can be viewed here: https://blog.gvsig.org/2018/02/21/gvsig-desktop-2-4-is-already-available/

Join the mailing list here: http://www.gvsig.com/en/community/mailing-lists

11. Free books, educational materials, etc.

- ESA new e-book on "EO Open Science and Innovation" edited by Christoph Aubrecht and Pierre-Philippe Mathieu

- Mapping and the Citizen Sensor edited by Giles Foody, Linda See, Steffen Fritz, Peter Mooney,

Ana-Maria Olteanu-Raimond, Cidália Costa Fonte and Vyron Antoniou, funded by a European Co-operation in Science and Technology (COST) Action and published by Ubiquity Press. The link to the free online version of the book is https://doi.org/10.5334/bbf although print versions are available to purchase.

- Free tutorials on "Working with Sentinel 2 Imagery on QGIS" that shows the complete procedure to download, represent and process Sentinel 2 images in QGIS at https://www.hatarilabs.com/ih-en/working-with-sentinel-2-imagery-on-qgis

- People from CODAN Action Project would like to share training material and other learning resources that were produced and prepared in 2017 as part of their capacity development activities. They will be adding more so keep watching!
  They only ask to know if they are useful and how we are using them or will be using them in our capacity development activities, and they ask to share with others!

Training slides
- Understanding Open Data - An Introduction.pptx
https://dgroups.org/?7w3sg6hm - 7.0MB
- Value of Open Data.pptx
https://dgroups.org/?yv8s7z2c - 4.0MB
- Discovering Open Data.pptx
https://dgroups.org/?b1f1y4km - 3.0MB
- Ethical and Responsible Use of Open Data.pptx
https://dgroups.org/?m64r3qsw - 3.0MB
Intellectual Property Rights _ Licensing.pptx
https://dgroups.org/?tb8qmamj - 10.0MB
Sources of Agriculture Data.pptx
https://dgroups.org/?9zjh0sy6 - 3.0MB

Other learning material:
- Creating Impact with Open Data and the importance of context.pptx
https://dgroups.org/?k53ggb4g - 4.0MB
- Open Data Standards_Weather data.pptx
https://dgroups.org/?6dnsan04 - 0.1MB
- Leveraging Weather Data for Agriculture.pptx
https://dgroups.org/?dt9zrdk7 - 5.0MB

- Making Data Talk: IFPRI
http://bit.ly/2EUyscU
Video learning resources:
- Facilitating Standards and Impact
http://bit.ly/2t3XRvd
- Publishing open data from an organisational point of view
http://bit.ly/2ESh6gt
- Making data talk: Reflecting on IFPRI's experiences in data visualization
http://bit.ly/2orQk4n
All video recordings
http://bit.ly/2spTeG8

Chipo Msengezi
Project Coordinator

12. Articles

Abbreviations

by **Nikos Lambrinos**, Chief Editor, and **Michael Finn**.

For those who would like to support this effort, please send any abbreviations to the Chief Editor (labrinos@eled.auth.gr).

3DEP: 3-D Elevation Program

AAG: Association of American Geographers

AGS: American Geographical Society

AM/FM: Automated Mapping/Facilities Management

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: Cartograhy and Geographic Information Society

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

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

GloFAS: Global Flood Awareness System

GNSS: Global Navigational Satellite System

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

HOT: Humanitarian OpenStreetMap Team

HPC: high-performance computing

ICA: International Cartographic Association

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

INSPIRE: Infrastructure for Spatial Information in Europe

ISPRS: International Society for Photogrammetry and Remote Sensing

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

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

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

NSDI: National Spatial Data Infrastructure

NSF: National Science Foundation

OER: Open Educational Resources

OGC: Open Geospatial Consortium

OSGeo: Open Source Geospatial Foundation

OSM: OpenStreetMap

OTB: Orfeo Tool Box

RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

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

SDI: Spatial Data Infrastructure

SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain

SQL: Structured Query Language

STISA 2024: Science Technology Innovation Strategy for Africa

STSM: Short Term Scientific Missions

TIN: Triangulated Irregular Network

UAV: Unmanned Aerial Vehicle

UN-GGIM: United Nations Global Geospatial Information Management

USGS: U.S. Geological Survey

USGIF: United States Geospatial Intelligence Foundation

VGI: Volunteered Geographic Information

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

- **OSGeo & Google Code-in 2017/2018: A Great Success to Introduce Students into The Geospatial Open Source Community**

After participating for many years in the Google Summer of Code, OSGeo recently participated for the first time in the Google Code-in. Google Code-in is a contest held each year to introduce pre-university students (ages 13-17) to Open Source software development. Since 2010, over 4500 students in 99 countries have completed work in the contest. Students compete to win prizes of certificates, T-shirts, hoodies, and a possible free trip to Google headquarters in California, U.S.

Because Google Code-in is often the first experience many students have with Open Source, the contest is designed to make it easy for students to jump right in. Open Source organizations chosen by Google provide a list of tasks for students to work on during the seven week contest period; each task should take only 3 to 5 hours to complete, and can involve not only coding, but also important community work such as documentation, outreach, communication, quality assurance/testing, and user interface design. A unique part of the contest is that each task has mentors from the organization assigned, should students have questions or need help along the way.

OSGeo administrators began working on OSGeo's first application to Google back in early November. It was a huge undertaking, as mentor organizations create hundreds of tasks for the potentially thousands of students to work on during the contest period and are responsible for assigning mentors to help students with questions and to review students' work on the tasks.

OSGeo mentors and admins prepared 176 tasks related to its geospatial projects like GeoForAll, GeoServer, GRASS GIS, gvSIG, MapServer, OpenLayers, OSGeoLive, pgRouting, and QGIS.

This year's contest was held from 28 November 2017 until 17 January 2018 and had almost triple the number of students of the previous year. A total of 279 young students completed 649 tasks for OSGeo (530 students in total examined OSGeo tasks). OSGeo students were from many countries, including India,

Poland, Pakistan, Thailand, United States, Russia, Germany, Cameroon, Singapore, Spain, Romania, UK, Vietnam, Dominican Republic, Turkey, Indonesia, Bangladesh, Canada, and others. The students were guided and supported by a great team of OSGeo mentors.

OSGeo's GCI mentors and admins evaluated the results of the students according to the following factors: creativity, thoroughness, and quality of work. An additional criterion was the contribution to the community by interacting with and helping others.

OSGeo is pleased to announce the Google Code-in Grand Prize winners (who each receive a free trip to Google headquarters, along with a parent/guardian) are students:

 Sunveer Singh (India)

Jerry Huang (United States)

OSGeo's Google Code-in finalists (who receive Google hoodies) are:

 Ethan Zhao (United States)

Neev Mistry (United States)

Shailesh Kadam (India)

See here:
https://codein.withgoogle.com/winners/#winners the winners from all organizations.

OSGeo wholeheartedly congratulates the winners and finalists. We also thank all students working on OSGeo's tasks for their great contributions to the OSGeo community.

All this wouldn't be possible without the guidance by our mentors. OSGeo is deeply grateful for their hard work over 2 months of the contest. We are also grateful to Google for welcoming OSGeo into the contest as a GCI mentoring organization for the first time.

This has been a magical and fun experience, seeing the enthusiasm of the students for OSGeo, and how that fun trickles through the entire community. Thank you to everyone involved.

OSGeo GCI admins 2017/2018

- You can find an excellent article that shows the interaction between open data and Free and Open

Source Software (FOSS) at http://copernicus.eu/news/copernicus-free-open-source-community

- From Martin Landa (landa.martin@gmail.com)

Dear all,
It's a pleasure for me to inform you on behalf of GIS.lab development team about a new major release of GIS.lab: 0.7.0 https://github.com/gislab-npo/gislab/releases/tag/0.7.0 This version is the first one based on Ubuntu 16.04 LTS! GIS.lab in this version also comes with a new web client integrated (see Gisquick http://gislab.readthedocs.io/en/latest/publication/web-publication.html and http://gislab.readthedocs.io/en/latest/practice/gisquick-docker.html)

About GIS.lab (http://gislab-npo.github.io/gislab): It is free technology which can instantly turn any computer network into a fully equipped geospatial cluster. It is capable of deploying a complete, centrally managed and horizontally scalable geospatial infrastructure
in a local area network, data center, or cloud in a few moments. It is provided as comprehensive set of free geospatial software seamlessly integrated into one, easy-to-use system with out-of-the-box running services capable to run with minimal maintenance requirements for desktop inteface. Together with integrated Gisquick publishing platform also web and mobile client interfaces can be available.

I am open to explain GIS.lab fundamentals to anyone interested at setting up GIS.lab technology also in his/her GIS classes. Feel free to contact me.

13. Scholarships for students and staff

- The GeoTech Center is pleased to announce the 2018 Undergraduate Geospatial Technology Skills Competition! The intent of the competition is to showcase the geospatial technology skills of U.S.

undergraduate students. Competing students will create a project that utilizes geospatial technology to address a real-world problem. The student will then present the project and the resulting deliverables as a Poster that not only highlights their use of geospatial technology, but also demonstrates their communication and presentation skills.

The competition is software neutral.

Applicants must meet all of the requirements below to qualify for the competition (questions regarding eligibility can be directed to either Tom Mueller (Mueller@calu.edu):

Applicants must be the age of 18 or older;

Applicants must be enrolled during the Spring 2018 term in a geospatial technology course (e.g., geographic information systems, remote sensing, GPS/GNSS, etc.) or geospatial technology program at an accredited 2-year or 4-year U.S. institution (undergraduate status);

Applicants must reside in the U.S.;

All work and cartographic output must be the original work of the applicant;

Only one entry allowed per student; and

Only individual student submissions allowed (no group projects).

The winners will be awarded registration, travel and accommodations to the 2018 GeoEd Conference in Louisville, Kentucky. The winners will also present their posters at this conference.

Applications due April 20th at 1pm eastern.

You are highly encouraged to visit the website of the competition and get more information.

17. Ideas / Information

1. To post your FOSS4G educational information go to http://www.osgeo.org/education. There you can find more educational activities posted by members of our community.

FOSS4G is the annual global event of the Open Source Geospatial Foundation. It is the largest technical geospatial Open Source conference in the world. The

FOSS4G conference focuses on Free and Open Source Software for Geospatial applications. In addition to high level technical talks four key domain are discussed every year to showcase the connection between free and open source software and communities from neighbouring domains. In 2018, the conference will take place in Dar es Salaam, Tanzania, on 29-30-31 August. The four thematic domains selected for this edition are: Urban; Coastal, Marine and the Environment; Widening Access and Humanitarian Mapping; Drones.

2. The Pan American Institute of Geography and History´s Cartographic Journal call for papers for a new special number entitled "Advances, trends and perspectives of Geographic Information" is now open. http://comisiones.ipgh.org/CARTOGRAFIA/files/RCA/RCIPGH-NumeroEspecial-2017_AdvancesGI_en.pdf

To address the theme about advances, trends and perspectives of Geographic Information within the Global Goals 2030 for Sustainable Development, the PAIGH´s Cartographic Journal invites all those interested in publishing papers related to this subject to join the special issue 97, to be put out in 2018. This way, the Cartographic Journal, indexed in LatINDEX, will add a new issue to its long path, uninterruptedly paved since 1952.

The following sub-themes will be considered in the Special Number:

Big Earth Data: Analysis and Visualization.

Smart Cities.

Location Based Services and Mobile GI Applications

Internet of Things, geosensors networks and Sensor Web.

Spatial Data Infrastructures.

Volunteered Geographic Information and Community Observatories

Geospatial Semantic Web.

Digital Earth and Augmented Reality

GeoData mining and Knowledge Discovery.

Spatio-temporal Data Acquisition, Modelling, and Analysis.

Earth Observation Systems: Algorithms and Applications.

Standarization and interoperability.

Publication language:

PAIGH´s official languages: Spanish, French, English and Portuguese.

Important date:

April 16th, 2018, deadline for paper submission

Electronic addresses for contact or for paper submission:

Luis M. Vilches-Blázquez - lmvilches.blazquez@gmail.com

Please, check the following URL for further more details:

http://comisiones.ipgh.org/CARTOGRAFIA/files/RCA/RCIPGH-NumeroEspecial-2017_AdvancesGI_en.pdf

3. The International Journal for Students as Partners (IJSaP) invites proposals to guest edit a theme/topic for our April 2019 issue.

Special sections in IJSaP are a curated collection of works (articles, reflections, case studies, and opinion pieces) that delve deeper into an overarching theme or explore emerging issues important for the field of Students as Partners to offer new scholarly and practical insights that advance existing, or provoke new, debates in the field.

Proposals are welcome from prospective guest editors who have interest and expertise in the topic proposed. Guest editorial teams including both students and staff/faculty are encouraged. As an international journal, we welcome proposals from international teams. Members of the journal's editorial board and international advisory panel are eligible to propose topics.

For details of guest editors' role, criteria, and selection process see:

https://mi.mcmaster.ca/site/wp-content/uploads/2018/02/Special-Section_CfP-FINAL2.pdf

Timeframe

Announce call for proposals for special section guest editors/topic - 10 February 2018

Deadline for proposals for special section guest editors/topic - 2 April 2018

Notification of decision on special section guest editors/topic - 27 April 2018

Initial call for submissions - 11 May 2018

Deadline for submissions - 5 October 2018

Accepted submissions sent for copy-edit - 1 February 2019

Publication - April 2019

Application and any queries should be directed to ijsap@mcmaster.ca.

Mick Healey

IJSaP Senior Editor

https://mulpress.mcmaster.ca/ijsap

PS: Don't forget the International Students as Partners Institute at McMaster University, 11-14 June 2018 http://tinyurl.com/ISAPI2018

4. The call for communications in the days of free software in Girona, has been open. It will remain open until 7th March.

http://www.sigte.udg.edu/jornadassiglibre/comunicaciones/

Communications are mainly preferred in Spanish, although sometimes communications in English have been accepted.

5. Please share the GeoForAll software, teaching, and research resources with your colleagues and students. Please make these resources available to as many as possible by sharing the link through blog posts, websites, social media etc.

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

6. For those working in Global Food Security Research

https://www.openaccessgovernment.org/can-open-data-feed-world/41419/

7. From Miloslav Michalko and Jana Michalkova, Department of Geography and Applied Geoinformatics, Faculty of Humanities and Natural Sciences, University of Presov, Slovakia.

Dear community,

We are QGIS (GIS) teachers at the University of Presov (Eastern Slovakia). We are Open Source fans, and now we have become a great opportunity from World Bank which wants to help us to create a GIS department based on Open Source GIS technologies and Open Spatial Data Infrastructure in Presov Self-governing Region (NUTS 3; 600,000 inhabitans).

At the moment, we are creating a team and searching for people who have experience with the deployment of this kind of infrastructure in regional self-government. We need people who can help us with the implementation and training of our staff. Project is funded by World Bank.

Please, if you can help us, give us best practices and mainly to train us in your institution, feel free to contact us.

8. [Geocomputation using free and Open Source Software](#) (4th-8th June 2017)

In the framework of expanding Geocomputation skills among young scientists, I'm happy to announce the Open Call for the 4th edition of our International Summer School organized by Spatial-Ecology (www.spatial-ecology.net) held at the Univ. of Basilicata, in the magnificent town of Matera, Italy.

This is a 5-day intense experience opening new horizons on the use of the vast potentials of Linux environment and the command line approach for geo-data massive processing using Bash, AWK, Python, GRASS, QGIS, GDAL/OGR, R, PKtools, OpenForis. We will guide newbies and experienced GIS users who have never used a command line terminal to a stage which will allow them to understand and apply very advanced open source data processing routines. Our focus is to enhance a self-learning approach. This allows participants to keep on progressing and improving their skills in a continuously evolving technological environment.

Registration is on a first come, first served basis and will be closed when it reaches 24 participants. A waiting list will be established if registration exceeds 24 participants.

More information and registration:

www.spatial-ecology.net

www.facebook.com/spatialecology > see events

twitter: @BigDataEcology

9. If you are interested in supporting a geoinformatics science field station in Uganda in kind or funding sponsorship, get in touch for more details.

Daniel Bwanika intends to establish a field station that can be utilized in the development of geoinformatics sciences as well as remote sensing devices/module.

If you are interested please get in contact with Daniel at bulemezi@gmail.com (www.uidc-ea.org).

10. As a continuation of what was mentioned at the Conference section of the Newsletter (South America – March 2018): The members of GeoForAll community have the opportunity to send a poster to the South America Water from Space Conference (send it to the organizers with the subject "PONENCIA": southamericawaterfromspaceconf@gmail.com) and they will print it and exhibit it during the conference (in Spanish or English). Part of this conference will be dedicated to the advent of the new capabilities of the Surface Water Ocean Topography (SWOT) Mission (NASA, CNES, CSA, and UKSA) and will include a workshop using Orfeo toolbox (https://www.osgeo.org/projects/orfeo-toolbox/).
You can sign up to it sending a mail to the same email account with the subject: "FORMACIÓN". They would also like the poster to include a possible collaboration between GeoForAll and the SWOT Community.

South America Water from Space Conference 26-28

11. In June 2017, TU Delft organised Urban Thinkers' Campus (UTC) on Higher Education for the New Urban Agenda. The aim of the meetings was to explore how to integrate the UN-Habitat NEW URBAN AGENDA in higher education curricula.

For those interested, there is a preliminary report available both at the World Urban Campaign website http://www.worldurbancampaign.org/education-city-we-need-exploring-how-integrate-new-urban-agenda-higher-education-curriculums and at UTC website https://utctudelft.org/executive-summary/