



# GeoForAll

Monthly Newsletter



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## Be part of "Geo for All"

### 1. Activities of the Network

- [Ottawa, Ontario, OSGeo Meetup Group](#) 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.  
[\(http://www.meetup.com/OttawaOSGeo/\)](http://www.meetup.com/OttawaOSGeo/)

### 3. Events

- GeoForAll colleagues [\[https://www.hft-stuttgart.de/Studienbereiche/Vermessung/Master-Vermessung/Einrichtungen-Labore/ICA-OSGeo-Labor/index.html/en\]](https://www.hft-stuttgart.de/Studienbereiche/Vermessung/Master-Vermessung/Einrichtungen-Labore/ICA-OSGeo-Labor/index.html/en) at the Stuttgart University of Applied Sciences, Stuttgart, Germany, are going to celebrate the 20th anniversary of the Master Programme "Photogrammetry and Geoinformatics".

The Master of Science program started with the first cohort 20 years ago, meanwhile there is a global network of about 500 alumni graduated from the program. Since its beginning, the course is supported by the German Academic Exchange Service (DAAD) in its program for Development-Related Postgraduate Courses (EPOS).

- In July 2019, colleagues at the Regional Centre for Mapping of Resources for Development (RCMRD) organised a successful training program in Open Source Tools, Data, and Applications. Participants from Eswatini Kingdom, Botswana, Namibia, South Africa, Lesotho, Zambia, and Zimbabwe were given training in Open Source Tools, Data, and Applications.

Details at

<https://www.rcmrd.org/training-on-open-source-tools-data-and-applications-in-eswatini>

- From Suchith Anand:  
I would like to thank all LOC volunteers of FOSS4G 2019 [\[https://2019.foss4g.org/about/committees/\]](https://2019.foss4g.org/about/committees/) for making possible the live streaming of all 11 parallel tracks and the plenary sessions, at these links at <http://streaming.media.ccc.de> and [https://www.youtube.com/channel/UC\\_2Lyc9VUX-jC-E1prJitHw](https://www.youtube.com/channel/UC_2Lyc9VUX-jC-E1prJitHw)

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## 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
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<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.
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<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 Voudrislis, MSc, PhD in geography education. <a href="mailto:nvoudris@gmail.com">nvoudris@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

➤ 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](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>

<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)



*continued from page 1*

Each talk has been recorded and published in the week following the conference and made available at TIB AV-Portal.

The Academic track presentations might be of wider interest. The accepted academic track papers at <https://www.int-arch-photogramm-remote-sens-spatial-inf-sci.net/XLII-4-W14/>

The full schedule and topics of the various sessions at <https://2019.foss4g.org/schedule/full-schedule/>

## 4. Conferences

### Europe

#### September 2019

1. 11-14 September: Applied Geoinformatics for Society and Environment (AGSE)  
Venue: Stuttgart University of Applied Sciences, Stuttgart, Germany
2. 19-20 September: [Hot Summit 2019](#)  
Venue: Heidelberg, Germany
3. 21-23 September: [State of the Map](#)  
Venue: Neuenheimer Feld campus, Chemistry lecture hall building, Heidelberg, Germany
4. 24-26 September: [14th International gvSIG Conference](#)  
Venue: School of Engineering in Geodesy, Cartography and Surveying, Universitat Politècnica de València, Spain

#### October 2019

5. 8-9 October: [1<sup>st</sup> International Workshop on Legal and Ethical Issues in Crowdsourced Geographic Information](#)  
Venue: University of Zurich, Zurich, Switzerland
6. 22-24 October: [Inspire Helsinki 2019](#).  
Venue: [Epicenter](#) venue, Helsinki, Finland
7. 23-25 October: [JIIDE 2019](#) (in Spanish)  
Venue: San Francisco Cultural Complex, San Francisco Round s / n, CÁCERES, Spain

8. 24-26 October: [14th International gvSIG Conference](#)

Venue: School of Engineering in Geodesy, Cartography and Surveying, Universitat Politècnica de València, Spain.

#### November 2019

9. 1-4 November: [12th International Conference of the Hellenic Geographical Society](#) (ICHGS - 2019). "INNOVATIVE GEOGRAPHIES: Mapping and Modeling our World"  
Venue: National Technical University of Athens, Athens, Greece



10. 14-16 November: [XI Conference of users of R](#) (in Spanish)  
Venue: REPSOL Auditorium and UNED Faculty of Education, Madrid, Spain

#### May 2020

11. 12-15 May: [INSPIRE Conference 2020](#)  
Venue: Dubrovnik, Croatia

### North and Central America and the Caribbean

#### October 2019

12. 25 October: QGIS Meeting in Chattanooga, Tennessee  
Venue: Chattanooga State Technical College, Chattanooga, Tennessee, USA

#### December 2019

13. 9-13 December: [AGU Meeting](#)  
Venue: San Francisco, California, USA

### Africa

#### November 2019

14. 18-19 November: [VizAfrica 2019](#) Data Visualization Symposium



Venue: University of Botswana Gaborone, Botswana

Deadline for proposals is Monday 19 August:

<https://vizafrica.codata.org/2019-Botswana/submit/>

## Asia

### September 2019

15. 19-20 September: [CODATA 2019](#).

Venue: Beijing, China

### October 2019

16. 23-25 October: Turkish National GIS Congress 2019

Venue: Ankara, Turkey

### November 2019

17. 18-21 November: [Eighth International Conference on Agricultural Statistics \(ICAS VIII\)](#)

Venue: ICAR-Indian Agricultural Statistics Research Institute, New Delhi, India



## Oceania

### September 2019

18. 18 September [New Zealand Geospatial Research Conference 2019](#)

Venue: Queenstown Memorial Centre in Queenstown, Otago, New Zealand

19. 18-21 September: 15<sup>th</sup> International Conference on [GeoComputation 2019](#)

Venue: Queenstown, New Zealand



### November 2019

20. 4-9 November: GEO Week and GEI Ministerial Summit

Venue: Canberra, Australia

21. 12-15 November: [FOSS4G SotM Oceania 2019](#)

Venue: Rutherford House, Victoria University, Wellington, New Zealand

## 5. Webinars

- **Using the UN Biodiversity Lab to Support Biodiversity Monitoring & Reporting**

Spatial data are available for your country through the UN Biodiversity Lab [1] on trends such as the rate of forest loss between 2000-2017 and protected area coverage of key biodiversity areas. You can also access maps that can help you understand where to take actions, such as those that safeguard ecosystem services and carbon stores in the environment. Would you like to learn how to use the UN Biodiversity Lab Status Maps [2] to support biodiversity monitoring and reporting?

Watch the webinar recording at <https://youtu.be/Bo2WlWtQ9s>

[1] <https://unbiodiversitylab.org>

[2] <http://nbsapforum.net/knowledge-base/resource/18-draft-biodiversity-status-maps---6nr-18-cartes-préliminaires-sur-l'état-de>

## 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](#)



- The CODATA-RDA Research Data Science school. December 2-13, 2019, Jan Jose, Costa Rica. This school will provide early career researchers (at MSc-level to 3 years after their PhD) from the Latin American Region with the necessary set of foundational data science skills to enable them to analyze their data in an efficient and effective manner for the 21st century.

#### Description:

The material covered here is fundamental to all areas of data science and hence open to researchers and professionals from all disciplines that deal with significant amounts of data. The goal is to provide a practical introduction to these topics with extensive labs and seminars.

#### Topics:

- Open Science
- Introduction to Unix Shell
- Programming for Analysis
- Git
- Research Data Management
- Author Carpentry
- Data Visualization
- Information Security
- Machine Learning
- Computational Infrastructures

#### Online application:

<https://www.ictp-saifr.org/sis/datasci2019.php>

- Two weeks Summer School training from 11th-15th November 2019 on Data Science/Visualization at the University of Botswana Gaborone, Botswana, as part of the Symposium VizAfrica 2019.

## 8. Key Research Publications

- Submit articles about your recent research to the Special Issue “Advances in Applications of

Volunteered Geographic Information”. The Special Issue is hosted by the Open Access Journal “Remote Sensing” (impact factor 4.118).

More information is available at [https://www.mdpi.com/journal/remotesensing/special\\_issues/appl\\_VGI](https://www.mdpi.com/journal/remotesensing/special_issues/appl_VGI)

The deadline is 30 Sep 2019 (but it can be further extended).

## 9. Funding opportunities, bids, etc.

- Applied research position in the areas of geomatics and navigation at [GeoNumerics](#) (Castelldefels, Spain).

The autonomous government of Catalonia has issued a call for project proposals for applied research projects with the goal of hiring experienced researchers through 2-year employment contracts with Catalan companies and technology centres.

The proposals shall target applied research projects with a clear market focus. Projects must be aimed at developing a new technology and bringing it to the market. The proposal submission deadline is 2019-09-19.

The candidates must not have resided or carried out their main activity in the country of their host organisation (in this case GeoNumerics, Spain) for more than 12 months in 3 years immediately prior to the deadline for the submission of applications. Exceptions will be made for candidates with justified career breaks.

The contractual conditions for the winners cover the following items, per year:

Salary costs (with full social security coverage): 58,500 €

Research costs: 18,240 €

Mobility costs: 1,920 €

More detailed information can be found in the attached document or in the Tecniospring call webpage. (<http://catalonia.com/innovate-in->



[catalonia/tecniospringplus/](http://catalonia/tecniospringplus/)) If you are interested to be a candidate with GeoNumerics, get in contact with Ms. Marta Agudo ([marta.agudo@geonumerics.com](mailto:marta.agudo@geonumerics.com)).



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

- landscapemetrics: an open-source R tool to calculate landscape metrics

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

- Live stream for the keynote/plenary parts of the third workshop (<https://gsi.cigi.illinois.edu/workshop3/agenda/>) of the NSF Geospatial Software Institute conceptualization project (<http://gsi.cigi.illinois.edu/>).

## 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

AGS: American Geographical Society

AGU: American Geophysical Union

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: Cartography 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

GODAN: Global Open Data for Agriculture and Nutrition

GPS: Global Positioning System

GPX: GPS Exchange Format

GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security

GSoC: Google Summer of Code

HOT: Humanitarian OpenStreetMap Team

HPC: high-performance computing

ICA: International Cartographic Association

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

IDE: Spatial Data Infrastructure

INSPIRE: Infrastructure for Spatial Information in Europe

IPGH: Pan American Institute of Geography and History

ISO: International Organization for Standardization

ISPRS: International Society for Photogrammetry and Remote Sensing

ISPRS: International Society for Photogrammetry and Remote Sensing

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

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

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

RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

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

SDI: Spatial Data Infrastructure

SIG: Geographic Information System



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

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

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

- landscapemetrics: an open-source R tool to calculate landscape metrics

Quantifying landscape characteristics and linking them to ecological processes is one of the central goals of landscape ecology. Landscape metrics are a widely used tool for the analysis of patch-based, discrete land-cover classes. Existing software to calculate landscape metrics have several constraints, such as being limited to a single platform, not being open-source, or involving a complicated integration

into large workflows. We present landscapemetrics, an open-source R package that overcomes many constraints of existing landscape metric software. The package includes an extensive collection of commonly-used landscape metrics in a tidy workflow. To facilitate the integration into large workflows, landscapemetrics is based on a well-established spatial framework in R. This allows pre-processing of land-cover maps or further statistical analysis without importing and exporting the data from and to different software environments. Additionally, the package provides many utility functions to visualize, extract, and sample landscape metrics. Lastly, we provide building-blocks to motivate the development and integration of new metrics in the future. We demonstrate the usage and advantages of landscapemetrics by analysing the influence of different sampling schemes on the estimation of landscape metrics. In so doing, we demonstrate the many advantages of the package, especially its easy integration into large workflows. These new developments should help with the integration of landscape analysis in ecological research, given that ecologists are increasingly using R for the statistical analysis, modelling, and visualization of spatial data. (source: ECOGRAPHY, First published: **02 July 2019**, <https://doi.org/10.1111/ecog.04617>)

## 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.



2. Group on Earth Observations (GEO) is pleased to announce that the [first version of the 2020-2022 GEO Work Programme](#) is now available. In addition to this summary document, you can download the full implementation plans for each proposed activity on our [website](#).

Details at

[http://www.earthobservations.org/gwp2020\\_dev.php](http://www.earthobservations.org/gwp2020_dev.php)

3. Is there an OSGeo community in Turkey?

Caner Guney is looking for members of OSGeo in Turkey. In order to create a discussion group about free and open source geospatial technologies, please get in contact with Caner Guney via email ([guneycan@itu.edu.tr](mailto:guneycan@itu.edu.tr)). In this way, the free and open source GIS activities in Turkey can be enlarged more efficiently and effectively.

4. Join the GEO Week 2019 and the GEO Ministerial Summit in Canberra, Australia (4-9th Nov 2019). Canberra means 'meeting place' in Ngunnawal, the local indigenous language. Recognizing the history of the land and its traditional custodians, GEO Week will bring together diverse people and cultures to support and sustain our planet and communities. Go to "Conferences" for more details.

5. There is an open permanent position as "Scientist in spatial analyses and remote sensing in applied ecology" at the Norwegian Institute for Nature Research (NINA), Oslo, Norway: <https://www.nina.no/Aktuelt/Nyhetsartikkel/ArticleId/4794/Scientist-in-spatial-analyses-and-remote-sensing-in-applied-ecology-1>

Tasks in this position are, among others, to develop NINA's research and project activities on landscape analyses, spatial modelling, and the use of remote sensing data (satellite, air-born, or in-situ) in ecology research and nature conservation.

The application should contain:

A one-page letter where the candidate explains her/his motivation for applying for this scientist position and a brief description of the scientific relevance of the candidate's research experience.

A CV including a list of publications with bibliographical references and contact details (telephone and e-mail) for three references.

The application must be submitted in English or Norwegian. It should be submitted by e-mail to [siri.svendsen@nina.no](mailto:siri.svendsen@nina.no)

Norwegian skills are no prerequisite for the application, but the work will require communication in Norwegian. Thus, we expect that the candidate acquires sufficient Norwegian language skills and at least achieves level A2 (equivalent to 92 hours evening course) during the probationary period, where fees for Norwegian courses are financed by NINA.

For further information, please contact Research Director in NINA Oslo Kristin Thorsrud Teien (phone: +47 930 06 805; e-mail: [Kristin.teien@nina.no](mailto:Kristin.teien@nina.no)).

**Dead line for application:** 10th of September 2019.

6. There is a Postdoctoral Researcher Position within the CyberGIS Center for Advanced Digital and Spatial Studies (CyberGIS Center).

University of Illinois at Urbana-Champaign, full-time, 100% (1-year duration, with possibility of extension, contingent upon funding).

More information about CyberGIS Center can be found at: <http://cybergis.illinois.edu/>.

**Start Date:** As soon as possible after the closing date: September 15, 2019.

Application Process: To ensure full consideration, qualified candidates must send a cover letter, CV, and contact information of three references via e-mail to Dr. Shaowen Wang ([shaowen@illinois.edu](mailto:shaowen@illinois.edu)) by closing date of September 15, 2019.

For further information, please contact: Dr. Shaowen Wang: [shaowen@illinois.edu](mailto:shaowen@illinois.edu).

7. From Kiringai Kamau ([kiringai.kamau@godan.info](mailto:kiringai.kamau@godan.info)), GODAN Africa Lead, The Global Open Data for Agriculture and Nutrition (GODAN)

The challenge in Africa is not just learning the use of ICTs and GIS tools alone, but even maintaining traction with the foundational courses like Agriculture or veterinary as an extension and hence the creation of champion farmers from which others can learn is a challenge. We have therefore, jointly with partners like CTA, Wageningen UR, and GODAN, decided to create rural Hubs where integrating ICTs, Data, and



Agriculture all happen at the same time. We encourage you to visit us when you have the opportunity to do so to learn more from what we are doing.

Since the extension is a challenge, we are using students who will be domiciled in our Hubs to practice what they learn experientially and extend the knowledge to farmers as they also collect data that we then use to drive technology-based innovations. It is for this reason that we have partnered with RCMRD/AfriGEO and now mooting collaboration with Digital Earth Africa, to promote GIS-anchored solutions development. We shall, therefore, need support in diverse ways which Suchith well captured in his introduction.

This December, RUFORUM will hold their continental forum in Accra, Ghana, and want to listen to what we are doing and proposing universities to do. We would like to go there with some case studies that we are discussing with RCMRD and some of the universities that we are working with.

We also have another forum on Geospatial Data and Internet Conference in October that we invite you to join in and explore how we can support many of the African Countries that shall be participating in this conference.

**8.** From Marco Minghini  
(marco.minghini86@gmail.com)

A few seats still available for the EUDAT CDI/PRACE “Summer School on managing scientific data from analysis to long term archiving”

Taking place from 23-27 September 2019 in the beautiful location of Trieste, Italy, the school gives attendees a firm grounding in the skills necessary to manage and process data within complex research environments. Based on real use cases, the school will zoom in on all of the steps which typically make up the research data life-cycle (data discovery, data processing, data analysis, data preservation, and publishing) combining formal lessons with hands-on sessions.

If you are at the early stages of your career, or a student currently engaged in a Bachelor, Masters, PhD or Postdoc programme, please complete the following

application form: <https://eudat.eu/eudat-prace-summer-school-2019-application-form>

We have still five seats available! Evaluation criteria are described at <https://eudat.eu/eudat-prace-summer-school-2019-application-evaluation>.

Participants have to cover only their travel costs to Trieste and their accommodation costs (a single room at the ICTP guesthouse costs 50€/night - overall 250€ for the full week).

For more information, please visit <https://eudat.eu/eudat-prace-summer-school-2019>  
For any questions, please contact [info@eudat.eu](mailto:info@eudat.eu)

**9.** From Suchith Anand, Suchith.Anand@godan.info  
For identifying the top three research centres in UK doing research in Global Food Security, that GODAN can work together for future joint publications and research as well as apply for future joint research bids, I would like to invite colleagues in UK universities who are leading their research centres to send EoIs to me [email -Suchith.Anand@godan.info] by 30th Sep 2019 with details of their expertise in Global Food Security topics. We are interested in all research topics covering Global Food Security (from Satellite to genomes). I am specifically interested to work in joint research and publications in AgriGIS, open geospatial science topics [1] and welcome ideas.

**10.** The American Geographical Society (AGS) EthicalGEO Initiative seeks to activate thinkers, innovators, entrepreneurs, policymakers, practitioners, students, and everyday citizens and bring them in to a global dialog that shines a light on their best ideas about the ethical challenges and opportunities posed by the many geospatial technologies and data sources that are reshaping our society. Just as the EthicalAI dialog has enabled a broad-based discussion about the future implications of AI, and the ways in which our society might steer the technology to our purposes, the EthicalGEO initiative seeks to spur a similar conversation around the flurry of geospatial innovations that have become part of our daily lives. Fellowship opportunities available to those in North America only at this time.