Volume 8, No. 3 March 2022





## GeoForA







## Be part of "Geo for All"

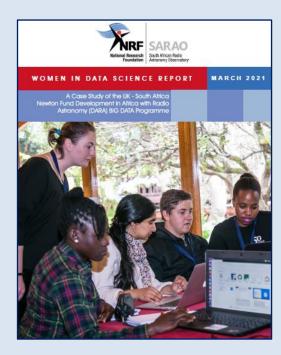
## 3. Events

#### Africa Women in Data Science

Tuesday 8<sup>th</sup> to Thursday 10<sup>th</sup> March 2022.

This free online event aims to build a thriving African community of female data scientists and promote skills development for women who are interested in a career in data science. Start and finish times will be confirmed in due course.

Link to SARAO Women in Data Science report - <a href="https://www.sarao.ac.za/wp-">https://www.sarao.ac.za/wp-</a> content/uploads/2021/03/Women-in-Data-Science-Report-FINAL-min.pdf



## 4. Conferences

#### **NORTH AMERICA**

## **April 2022**

1. 1-3 April: State of the Map US 2022

Venue: University of Arizona, Tucson,

Arizona, USA

Organizer: OpenStreetMap US

### October 2022

2. 14-16 October: National Council for

**Geographic Education (NCGE)** 

Venue: Minneapolis, MN, USA

#### **SOUTH AMERICA**

### May 2022

3. 19-21 May: Landscape and Cartography

Venue: Department of Landscaping and Public Space of the Faculty of Architecture, Design and Urbanism of the University of the Republic, Fray Bentos Río **Negro Uruguay** 







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students and staff











## **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 <a href="mailto:labrinos@eled.auth.gr">labrinos@eled.auth.gr</a>	Oceania
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	Paulo César Coronado Sánchez, Professor of computer sciences at Universidad Distrital Francisco José de Caldas, Head of GISEPROI	

Translator and designer of the Spanish Edition

and OSGeoLabUD research Group. Bogotá, Colombia

paulocoronado@gmail.com











## **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: <a href="https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-geocrowd">https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-geocrowd</a>

Website:

http://wiki.osgeo.org/wiki/Geocrowdsourcing CitizenScience FOSS4G

AgriGIS

Chairs: Didier Leibovici (U.K.) and Nobusuke Iwasaki (Japan)

➤ Mail list: <a href="https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis">https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis</a>

Website: <a href="http://wiki.osgeo.org/wiki/Agrigis">http://wiki.osgeo.org/wiki/Agrigis</a>

## **GeoForAll Regional Chairs and Contact Information**

## North America Region

Chairs: Helena Mitasova (USA), Charles Schweik (USA), Phillip Davis (USA) Subscribe at mail list <a href="http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-northamerica">http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-northamerica</a>

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
<a href="http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-africa">http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-africa</a>

Email: africa.gfa.chair@osgeo.org

## Asia Region (including Australia)

Chairs: Tuong Thuy Vu (Malaysia/Vietnam) and Venkatesh Raghavan (Japan/India) Subscribe at maillist <a href="http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-asiaaustralia">http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-asiaaustralia</a>

Email: asia.gfa.chair@osgeo.org

## **Europe Region**

Chairs: Maria Brovelli (Italy) and Peter Mooney (Ireland) Subscribe at mail list <a href="http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-europe">http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-europe</a>

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.	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	Open Source Geospatial Lab, Kathmandu
no.1	University, Nepal (Asia)
Sep 2015, Vol.1	FOSS4G Lab, University of Colarado Denver (USA)
no.2	
Oct 2015, Vol.1,	Open Source Geospatial Lab, University of
no.3	Southampton, UK (Europe)
Nov 2015, Vol.1	The Northeast Institute of Geography and
no.4	Agroecology of Chinese Academy of Science,
	China (Asia)
Jan 2016 , Vol.2	Centre for Geoinformation Science, University of
no.1	Pretoria, South Africa, (Africa)
Feb 2016, Vol.2	Open Source Geospatial Lab, University of
no.2	Newcastle, UK, (Europe)
Mar 2016, Vol.2	SMART Open Source Geospatial Lab, University
no.3	of Wollongong, (Australia)
Apr 2016, Vol.2	Regional Centre for Mapping of Resources for
no.4	Development, Nairobi, Kenya (Africa)
May 2016, Vol.2 no.5	GeoDa Centre – Arizona State University, (USA)
June 2016, Vol.2	Direccion Nacional de Topografia – MTOP
no.6	Montevideo, Uruguay, (South America)
July 2016, Vol.2	SIGTE – University of Girona, Spain (Europe)
no.7	
August 2016,	Open Source Geospatial Lab, Department of
Vol.2 no.8	Geodesy and Surveying, Budapest Univ. of
	Technology and Economics, Hungary (Europe).
September 2016,	Open Source Geospatial Lab, Faculty of Geodesy,
Vol.2 no.9	University of Zagreb, Croatia, (Europe)
October 2016,	Hellenic digital earth Centre of Excellence,
Vol.2 no.10	Aristotle University of Thessaloniki, Greece, (Europe)
November 2016,	Department of Geoinformatics, Palacký
Vol.2 no.11	University in Olomouc, Czech Republic
December 2016,	Asian Institute of Technology, Bangkog, Thailand
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### **EUROPE**

#### **April 2022**

**4.** 11-13 April: <u>GA Annual Conference and</u> Exhibition 2022

Venue: University of Surrey in Guildford, UK

#### May 2022

**5.** 5-7 May: <u>EUROGEO Annual Conference</u> "Re-Visioning geography for sustainability in the post-CVID era"

Venue: University of the Aegean, University

Hill, Mytilene, Lesvos Island, Greece

Organizer: EUROGEO



**6.** 23-25 May: <u>16<sup>th</sup> International Congress of</u> the Greek Geological Society

Venue: University of Patras, Patras, Greece

7. 23-27 May: Living Planet

Venue: Bonn, Germany (may be online – to

be decided)

#### June 2022

8. 8-9 June: <u>Jornadas de SIG Libre</u> (Free SIG

Days).

Venue: Girona, Spain

Organizer: University of Girona

### **July 2022**

9. 5-8 July: GISalzburg22. Designing future with

Geoinformatics

Venue: Salzburg, Austria

10. 12-13 July: IGU-CGE: Teaching Geography: Past

and Future Challenges.

Venue: Rennes, France

11. 18-22 July: IGU Centennial Conference Paris.

Venue: Sorbonne, Institut de Géographie, Société

de Géographie.

## August 2022

12. 22-28 August: FOSS4G 2022 International

**Conference** 

Venue: Firenze (Florence), Italy

## 5. Webinars

 If you want to start learning how to use QGIS, there are some excellent free resources at <a href="https://www.gislounge.com/free-ways-to-learn-qgis/">https://www.gislounge.com/free-ways-to-learn-qgis/</a> and <a href="https://www.gislounge.com/self-guided-qgis-courses/?utm\_medium=email&utm\_campaign=GISNL-Aug-27-2020&utm\_source=YMLP">https://www.gislounge.com/self-guided-qgis-courses/?utm\_medium=email&utm\_campaign=GISNL-Aug-27-2020&utm\_source=YMLP</a>

## 6. Courses

Satellite Application Course: LEO Satellite

**Applications** 

Start date: March 20, 2022 End date: March 24, 2022

Organizer: VLab

Host: Public Authority for Civil Aviation (PACA)

Language: Arabic, English Venue: Muscat, Oman Format: Online course Contact name: Hilal Al-Hajri

Contact email: h.alhajri@met.gov.om

Postgraduate course of the Universidad Católica de la Santísima Concepción (Chile) on Geomatics with Free Software gvSIG. course is free with limited places, and applications are due March 18th. The course begins on March 28 and ends on April 5 and is all virtual.













## 7. Training programs

 GeoForAll educational materials have been transferred to our new web site. <u>GeoForAll</u> <u>educational inventory system</u>, a place to search and share educational materials

## 8. Key Research Publications

- "Community-Engaged Regenerative Mapping in an Age of Displacement and COVID-19" available at <a href="https://www.tandfonline.com/doi/abs/10.1080/2">https://www.tandfonline.com/doi/abs/10.1080/2</a> 4694452.2021.1978838
- "Displacement of the Scholar? Participatory Action Research under COVID-19" available at <a href="https://www.frontiersin.org/articles/10.3389/fsufs.2022.762065/abstract">https://www.frontiersin.org/articles/10.3389/fsufs.2022.762065/abstract</a>

# 11. Free books, educational materials, etc.

- Visit the YouTube QGIS channel at https://www.youtube.com/channel/UCGS162t4hk
   OA0b35ucf1yng/videos
   to get videos of QGIS applications, representations and ideas.
- The official call for papers of the new Special Issue of the International Journal of Geographical Information Science on Deep Learning Approaches in Geographical Information Science and Human Geography is now live. Go to <a href="https://think.taylorandfrancis.com/special issues/deep-learning-approaches-geographical/">https://think.taylorandfrancis.com/special issues/deep-learning-approaches-geographical/</a> for more information

## 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 (<a href="mailto:labrinos@eled.auth.gr">labrinos@eled.auth.gr</a>).

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 Environmental Monitoring

RUFORUM: Regional Universities Forum for

capacity building in agriculture

SaaS: Software as a Service

SAR: Synthetic Aperture Radar

SDG: Sustainable Development Goal

SDI: Spatial Data Infrastructure

SIG: Geographic Information System

SIGTE: The GIS and Remote Sensing Service of the

University of Girona, Spain

SPIDER: open SPatial data Infrastructure

eDucation nEtwoRk

SQL: Structured Query Language

STISA 2024: Science Technology Innovation

Strategy for Africa

STSM: Short Term Scientific Missions

SWIR: Short Wave Infrared

TIN: Triangulated Irregular Network

**UAV: Unmanned Aerial Vehicle** 

**UML: Unified Modeling Language** 

UN-GGIM: United Nations Global Geospatial

Information Management

USGS: U.S. Geological Survey

USGIF: United States Geospatial Intelligence

Foundation

VGI: Volunteered Geographic Information

VNIR: Visible Near Infrared

XSEDE: Extreme Science and Engineering

**Discovery Environment** 

WCS: Web Coverage Service

WFS: Web Feature Service

WGCapD: Working Group on Capacity Building

and Data Democracy

WGS: World Geodetic System

WISERD: Wales Institute of Social & Economic

Research, Data & Methods

WMO: World Meteorological Organization

WMS: Web Map Service

WMTS: Web Map Tiles Services

WOIS: Water Observation Information System

**WPS: Web Processing Service** 











## 17. Ideas / Information

1. If you are interested in educational material, then go to <a href="https://www.osgeo.org/initiatives/geo-for-all/in-your-classroom/">https://www.osgeo.org/initiatives/geo-for-all/in-your-classroom/</a> where you can find software resources for your classroom. Also, go to "Resources" <a href="https://www.osgeo.org/resources/">https://www.osgeo.org/resources/</a> to get a guidance on how to use open source projects and tools.

2. From Luca Delucchi (<u>lucadeluge@gmail.com</u>)
FOSS4G 2022 will be a hybrid event in the field of geospatial open source; after two years it will be possible to meet again in person. The conference will be held in the beautiful city of Firenze from 22 to 28 August 2022 in the spaces of the Fiera and the University of Florence.

To date, the emergency situation due to COVID-19 has not yet ended and that is why in addition to the physical presence in Florence, which for the time being would be limited to about 700 people, it will be possible to follow the conference also in online mode in order to give everyone the opportunity to participate. The hope of the Local Organising Committee is that with the arrival of the summer, the limitations will be reduced and therefore the conference could be open to all those who are interested in attending.

You can send your proposal for a talk (academic or general) or workshop until 28 February 2022 via the <a href="Pretalx platform">Pretalx platform</a> provided by OSGeo. Everyone engaged in the FOSS4G world is invited to submit inspiring ideas and share results of innovative projects with the community, following the guidelines and requirements illustrated on the <a href="website">website</a>.

Furthermore, starting in February it will be possible to register for the event both for physical and online participation.

Finally, we would like to remind everyone that a Travel Grant programme and a Volunteer programme will soon be accessible, which will allow you to attend the conference at a reduced rate.

As usual in FOSS4G conferences, the standard conference programme will be complemented by a range of social activities: in addition to the typical Ice Breaker (on Wednesday) and Gala Dinner (on Thursday), on Friday visits to the beautiful city of Firenze and to the Arcetri astrophysical observatory will be organised for those interested. Finally, after the first day of code sprint on Saturday there will be an aperitif open to everyone.

All information will be shared via the conference social channels (please follow us on <u>Twitter</u>, <u>Facebook</u>, <u>Linkedin</u>, <u>Telegram</u>) and a dedicated mailing list that you can <u>sign up</u> to if you are not already registered.



#### 3. Open-Source Science in the Cloud Collaboration

NASA and the European Space Agency (ESA) released a new open source and science tool called the Multi-Mission Algorithm and Analysis Platform (MAAP). Combining NASA and ESA, these two agencies lead the world in providing satellite and remote sensing data for understanding the Earth's environment.

#### 4. 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 <a href="IJPM">IJPM</a>
<a href="Dashboard">Dashboard</a>.</a>



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.

5. From Sergio Acosta y Lara (sergio.acostaylara@mtop.gub.uy) GeoForAll Iberoamérica Coordinator, Uruguay

"I am pleased to contact you to announce the Call for Applications to the fourth edition of the "Prize Pedro



Vicente Maldonado" for the outstanding dissertation in Cartography, and/or Geodesy, Information Geographic organized by the Pan American Institute of Geography and History

(PAIGH). The call will open 1st May 2022 and will close 31st May 2022. In a few words, PhD level students graduated between 1st-January 2016 and 31th, December 2021 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 justifies an early announcement.

The announcement can be downloaded from <a href="https://comisiones.ipgh.org/CARTOGRAFIA/Premio/Tesis">https://comisiones.ipgh.org/CARTOGRAFIA/Premio/Tesis</a> PhD 2022/Poster Premio Cartografia PhD 202 2 EN.pdf

Updates will be available soon at <a href="https://comisiones.ipgh.org/CARTOGRAFIA/PremioPh">https://comisiones.ipgh.org/CARTOGRAFIA/PremioPh</a>
D EN.html

To date, member states of PAIGH are Argentina, Belice, Bolivia, Brasil, Chile, Colombia, Costa Rica, Ecuador, United States of America, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Perú, Dominican Republic, Uruguay, and Venezuela. I am looking forward to your inquiries. Best regards from Montevideo, Uruguay

CARLOS LÓPEZ-VÁZQUEZ

Head of the Academic Liaison Committee

**Cartography Commission** 

Pan American Institute of Geography and History"



COMISIÓN DE CARTOGRAFÍA

