



# GeoForAll

Monthly Newsletter



Be part of "Geo for All"

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## 4. Conferences

### Europe

#### November 2023

1. 10-12: [SoTM Europe](#) (includes the [OSM Science 2023](#) conference)  
Venue: Antwerp, Belgium
2. 28-29: [INSPIRE](#) Conference  
Venue: Brussels, Belgium
3. 29-30: [19<sup>th</sup> International qvSIG Conference](#)  
Venue: Online

### South America

#### November 2023

4. 21-25: [XIII Remote Sensing Education Conference](#)  
Venue: Manaus / Amazonas / Brazil



#### December 2024

5. 01-08: [FOSS4G](#) (stay tuned for more news in the future)  
Venue: Belém, state of Pará, Brazil

### Asia

#### December 2023

6. 4-5: The 2nd Ramon [International Geospatial Intelligence](#) 360 Conference Geospatial Intelligence for Sustainable and Resilient Future  
Venue: Tel-Aviv, Israel

### North America

#### November 2023

7. 13-17: [4<sup>th</sup> International Scientific Convention UCLV 2023](#)  
Venue: Santa Maria, Cuba

#### May 2024

8. 22-24: [38<sup>th</sup> Conference of Latin American Geography \(CLAG\)](#)  
Venue: Old San Juan, Puerto Rico



## 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.
<p>Co-editor</p> 	<p>Rania Elsayed, Computers &amp; Information Researcher, Division of Scientific Training &amp; Continuous Studies, National Authority for Remote Sensing &amp; Space Sciences, Cairo, Egypt. <a href="mailto:ranyaalsayed@gmail.com">ranyaalsayed@gmail.com</a></p>	Africa
<p>Co-editor</p> 	<p>Seraphim Alvanides, Reader (Geographical Information Science) Northumbria University, Newcastle NE1 8ST, United Kingdom. <a href="mailto:s.alvanides@gmail.com">s.alvanides@gmail.com</a></p>	Scandinavian countries, Denmark, Germany, Austria, Switzerland, UK, Ireland, Iceland
<p>Co-editor</p> 	<p>Antoni Perez Navaro, Associate Professor at Universitat Oberta de Catalunya (UOC) Computer Sciences and Multimedia Department <a href="mailto:aperezn@uoc.edu">aperezn@uoc.edu</a></p>	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
<p>Co-editor</p> 	<p>Emma Strong Planner with Pueblo County, Colorado <a href="mailto:eestrong118@gmail.com">eestrong118@gmail.com</a></p>	North and Central America
<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 Voudrisslis, 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

Theme under revision

### ▪ 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>

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)



## 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 Processing University 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 Colorado 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, Bangkok, 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



## 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/>

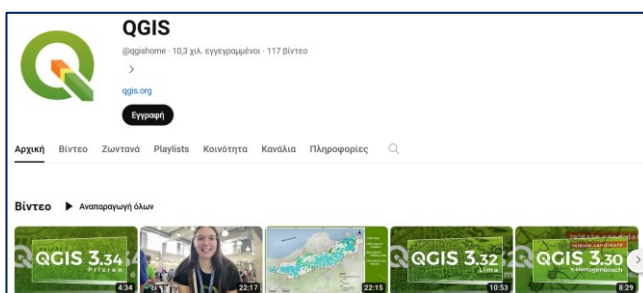


## 7. Training programs

- GeoForAll educational materials have been transferred to our new web site. [GeoForAll educational inventory system, a place to search and share educational materials](#)

## 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](mailto: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: Cartography 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	GCP: Ground Control Point
CI: CyberInfrastructure	GDAL: Geospatial Data Abstraction Library
CLGE: The Council of European Geodetic Surveyors	GEO: Group on Earth Observations
CODATA: Committee on Data for Science and Technology	GEO: Geosynchronous Earth Orbits
COGO: Coordinate geometry	GloFAS: Global Flood Awareness System
CRC: Census Research Centre	GNSS: Global Navigational Satellite System
CRS: Coordinate Reference System	GODAN: Global Open Data for Agriculture and Nutrition
CSA: Canadian Space Agency	GPS: Global Positioning System
CSSTEAP: Center for Space Science & Technology Education in Asia and the Pacific	GPX: GPS Exchange Format
CUDA: Compute Unified Device Architecture	GRACE: Gravity Recovery and Climate Experiment (satellite program)
DAAC: Distributed Active Archive Center (of NASA)	GRASPGfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security
DEM: Digital Elevation Model	GSoC: Google Summer of Code
DSM: Digital Surface Models	HLPF: High Level Political Forum (of UN)
DWG: Design file format	HOT: Humanitarian OpenStreetMap Team
DXF: Drawing Interchange File	HPC: high-performance computing
ECMWF: European Center for Medium range Weather Forecasting	ICA: International Cartographic Association
EOS: Earth Observation Science	ICIMOD – International Centre for Integrated Mountain Development
EOSDIS: Earth Observing System and Data Information System	ICSU-WDS: International Council for Science – World Data System
EPA: Environmental Protection Agency	IDE: Spatial Data Infrastructure
EPSG: European Petrol Survey Group (used in projection IDs)	IFAD – International Fund for Agricultural Development
ESA: European Space Agency	INSPIRE: Infrastructure for Spatial Information in Europe
ESERO: European Space Education Resource Office	IPCC – Intergovernmental Panel on Climate Change
EUROGI: European Umbrella Organisation for Geographic Information	IPGH: Pan American Institute of Geography and History
EuroSDR: European Spatial Data Research	ISO: International Organization for Standardization
FOSS: Free and Open Source Software	ISPRS: International Society for Photogrammetry and Remote Sensing
FOSS4G: Free and Open Source Software For Geospatial	



ISRO: Indian Space Research Organization	OSM: OpenStreetMap
JAXA: Japan Aerospace Exploration Agency	OTB: Orfeo Tool Box
KML: Keyhole Markup Language	PPGIS: Public Participation in Geographic Information Systems
LBS: Location-Based Service	PPSR: Public Participation in Scientific Research
LEO: Low Earth Orbits	RBV: Return Beam Vidicon
LiDAR: Light Detection and Ranging	RCMRD: Regional Centre for Mapping of Resources for Development
LOC: Local Organizing Committee	RDA: Research Data Alliance
LOD: Level Of Detail	ROSCOSMOS: Russian Federal Space Agency
MEO: Medium Earth Orbits	ROSHYDROMET: Russian Federal Service for Hydrometeorology and Environmental Monitoring
MIL: Media and Information Literacy	RUFORUM: Regional Universities Forum for capacity building in agriculture
MoU: Memorandum of Understanding	SaaS: Software as a Service
MSS: Multispectral Scanner	SAR: Synthetic Aperture Radar
NAD: North American Datum	SDG: Sustainable Development Goal
NARSS: National Authority for Remote Sensing and Space Sciences of Egypt	SDI: Spatial Data Infrastructure
NCSA: National Center for Supercomputing Applications	SIG: Geographic Information System
NDVI - Normalized Difference Vegetation Index	SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain
NDWI - Normalized Difference Water Index	SPIDER: open SPatial data Infrastructure eDucation nEtwoRk
NED: National Elevation Dataset	SQL: Structured Query Language
NEPAD: NEw Partnership for African Development	STISA 2024: Science Technology Innovation Strategy for Africa
NGA: National Geospatial Intelligence Agency	STSM: Short Term Scientific Missions
NHD: National Hydrologic Dataset	SWIR: Short Wave Infrared
NIR - Near-Infrared	TIN: Triangulated Irregular Network
NLCD: National Land Cover Dataset	UAV: Unmanned Aerial Vehicle
NOOSA: United Nations Office for Outer Space Affairs	UML: Unified Modeling Language
NRSA: Indian National Remote Sensing Agency	UN-GGIM: United Nations Global Geospatial Information Management
NSDI: National Spatial Data Infrastructure	USGS: U.S. Geological Survey
NSF: National Science Foundation	USGIF: United States Geospatial Intelligence Foundation
OECD: Organisation for Economic Co-Operation and Development	VGI: Volunteered Geographic Information
OER: Open Educational Resources	VNIR: Visible Near Infrared
OGC: Open Geospatial Consortium	
OHI: International Hydrographic Office	
OSGeo: Open Source Geospatial Foundation	



XSEDE: Extreme Science and Engineering Discovery Environment

WCS: Web Coverage Service

WFS: Web Feature Service

WGCapD: Working Group on Capacity Building and Data Democracy

WGS: World Geodetic System

WISERD: Wales Institute of Social & Economic Research, Data & Methods

WMO: World Meteorological Organization

WMS: Web Map Service

WMTS: Web Map Tiles Services

WOIS: Water Observation Information System

WPS: Web Processing Service

## 17. Ideas / Information

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

2. For the tenth anniversary of FOSS4G 2013 Nottingham, OSGeo: UK organised a panel discussion on 7th Sep 2023 to look at how things have changed in the geospatial world in the last ten years, and more importantly to look ahead to the next ten years.

More details at

<https://uk.osgeo.org/foss4guklocal2023/ten-years-after.html>



### 3. From Dr Suchith Anand

Senior Adviser to Governments and International Organisations | Scientist | AI Ethics | AI Governance | Policy | Consultant in Data and AI Ethics | Global Citizen | SDG Volunteer and Advocate

Data Ethics and the UNESCO Recommendation on Open Science

The growing application of big data and artificial intelligence in scientific research raises ethical and normative challenges, particularly in relation to openness, privacy, transparency, accountability, equity, and responsibility. The Data Ethics Working group of CODATA is working with global scholars to collaboratively establish a basic consensus for further activities and research on data ethics principles and a data ethics framework covering the whole data life cycle. This will help CODATA to advance its mission in championing global open data exchange and applications in alignment with the UNESCO Recommendation on Open Science. The proposed session will explore research and scholarly practice related to data ethics to advocate for open and ethical data practices at the global level. The Sessions will take the form of a lightning/ignition talk and structured panel discussion to explore issues related to the following four themes:

#### Theme 01: Ethics and Scientific Integrity -Joy Jang

The UNESCO recommendation on Open Science emphasizes the role of research data in making knowledge openly available, accessible, and reusable for everyone. This thematic group focuses on data ethics and research integrity, covering the entire life cycle of research and the multiple perspectives of data users, providers, managers, funders, publishers, and other stakeholders. We discuss the topics of transparency, quality, reusability and impact of research as well as management and interpretation of research data, with a focus on collaborative efforts and the role of open scholarship in supporting research integrity.





**Theme 02:** Ethics and Protection of Personal Data – Masanori Arita

The ethics and protection of sensitive and personal data cast critical questions related the appropriate conduct, usage, management, and storage. Explored questions include the politics and political economy of data — who and what has power in the context of data, and how do these power relationships play out in the context of different environments, such as the different markets and governments in which data is used? Modern technologies also enabled full sequencing of personal genomes, which are not only personal but also communal, national, and even continental. Discussion includes current data policies and pros and cons of data handling strategies.

**Theme 03:** Ethics and Indigenous Data Governance – Johannes John-Langba

In the era of open data and open science it is important that data on Indigenous knowledge is shared in an ethical manner. Decisions on what data is to be shared should lie with Indigenous populations themselves, ensuring their autonomy and informational self-determination. The subgroup focuses on data principles such as CARE and JUST. Moreover, both Indigenous data sovereignty and data ethics need institution building for data trustees (and similar intermediaries) which would enable selective digital disclosure.

**Theme 04:** Ethics, Global Power and Economic Relations – Louise Bezuidenhout

How the UNESCO Recommendation is implemented to realise open and equitable OS in practice must account for the structural conditions shaping research at a national and individual level. Scholars in many national contexts face barriers such as lack of basic infrastructure, unsupportive national policy, the control of the research agenda by global north funders and the domination of oligopolistic publishers and Big Tech companies. At an individual level, researchers everywhere who do not fit the expected norm of a scholar (white, able bodied, male) face multiple barriers such as conscious and unconscious bias, racism, misogyny, career breaks and societal

expectations about caring responsibilities.

The session will be co-moderated by:

Prof Johannes John-Langba & Prof Lianglin Hu

Co-Chair: Data Ethics Working Group, CODATA

More details at <https://www.scidatacon.org/IDW-2023-Salzburg/sessions/508/>

SciDataCon 2023 is part of International Data Week 2023: A Festival of Data, taking place 23 – 26 October in Salzburg. IDW 2023 will be hosted by the University of Salzburg through its interdisciplinary Data Science group and the Geoinformatics department, supported by the Governor of Salzburg and with assistance from the Austrian Academy of Sciences – GIScience and the European Umbrella Organization for Geographic Information.

SciDataCon 2023: High-level Themes at <https://www.scidatacon.org/conference/IDW-2023-Salzburg/Themes/>

Full program at <https://www.scidatacon.org/IDW-2023-Salzburg/programme/>

