




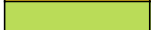


FOSS4G Bucharest 2019 Full Schedule

(last update: 25.08.2019)

Monday, 26 August - Workshops											
8:00 - 9:00	Registration Open at University of Bucharest										
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11
9:00 - 13:00	<b>OSGeo 101</b> Jáchym Čepický	<b>Geopaparazzi: never out of data in the field</b> Silvia Franceschi, Andrea Antonello	<b>Query the Planet with EOlearn and Sentinel Data</b> Vincent Sarago	<b>Working with mesh layers in QGIS</b> Saber Razmjooei	<b>Creating web-mapping applications with QGIS Server and QWC2</b> Eric Lemoine	<b>Setting up a Spatial Data Infrastructure (SDI) with Open Source Software using OSGeoLive</b> Astrid Emde, Angelos Tzotsos, Nicolas Roelandt	<b>Your first steps with Orfeo Toolbox: how to write an OTB processing chain within a Jupyter Notebook?</b> Yannick Tanguy	<b>Point cloud management and processing with PDAL + Entwine</b> Adam Steer, Michael Smith	<b>Building Standards Compliant Geospatial Web Applications – The Quick and Easy MapMint Way</b> Gérald Fenoy, Rajat Shinde	<b>Introduction to GeoNode</b> Alessio Fabiani	<b>Interactive web maps in the cloud with HERE XYZ</b> Oliver Fink, Octavian Borcan
13:00 - 14:00	Lunch break										
14:00 - 18:00	<b>Object-based image analysis (OBIA) with GRASS</b> Moritz Lennert, Veronica Andreo, Markus Neteler	<b>Oskari made easy</b> Timo Aarnio	<b>Thriving in hybrid ESRI &amp; Opensource environments</b> Paul van Genuchten, Michel Gabriel	<b>FOSS tools for modelling natural hazards: the HortonMachine library</b> Silvia Franceschi, Andrea Antonello	<b>QGIS Server with Python superpowers</b> Alessandro Pasotti, Tudor Bărăscu	<b>Orfeo ToolBox and SNAP open source tools for Copernicus Sentinel 1&amp;2 data fusion</b> Mickael Savinaud	<b>pgRouting workshop</b> Vicky Vergara	<b>Explore UK Crime Data with Pandas and GeoPandas</b> Margriet Groenendijk	<b>Becoming a Documentation Contributor</b> Ian Turton	<b>Because data is outside - QField, the future of QGIS on mobile devices</b> Matthias Kuhn	<b>Learn how to create web applications for your needs with Mapbender</b> Astrid Emde
18:30 - 21:00	Bucharest Guided Tours										
18:00 - ∞	Pub race										

Legend

	University of Bucharest
	National Theatre of Bucharest
	InterContinental Hotel
	Bragadiru Palace
	Palace of the Parliament
	run track around Palace of the Parliament

Tuesday, 27 August - Workshops

8:00 - 9:00	Registration Open at University of Bucharest										
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8	Room 9	Room 10	Room 11
9:00 - 13:00		<b>Introduction to GeoNetwork Opensource</b> Paul van Genuchten, Antonio Cerciello, François Prunayre	<b>Doing Geospatial with Python</b> Angelos Tzotsos, Tom Kralidis, Just van den Broecke, Luís Moreira de Sousa	<b>QGIS and Open Data for Hydrological Applications,</b> Hans van der Kwast	<b>Extraction, analysis and dataviz on open geospatial datasets</b> Raphaël Delhome	<b>Real-time raster geoprocessing with WebGL</b> Iván Sánchez Ortega	<b>Getting started with GeoServer: data configuration and styling</b> Andrea Aime, Mauro Bartolomeoli	<b>RoboSat.pink</b> Olivier Courtin	<b>QGIS and PostGIS meet in 3d dimension</b> Vincent Picavet	<b>GeoTools Developer Workshop,</b> Jody Garnett	
13:00 - 14:00	Lunch break										
14:00 - 18:00	<b>Introduction to MapStore, mashups made simple</b> Mauro Bartolomeoli	<b>GeoServer Developers Workshop</b> Jody Garnett, Ian Turton	<b>Spatio-temporal data processing and visualization with GRASS GIS</b> Veronica Andreo, Markus Neteler, Moritz Lennert, Martin Landa, Luca Delucchi, Ondřej Pešek	<b>Working with data? Workflow for spatial data management based on models (Use case: Land Administration)</b> Germán Carrillo, Sergio Alexánder Ramírez Navarro	<b>R for Geospatial Processing</b> Nicolas Roelandt	<b>Handling rasters in PostGIS</b> Alen Mangafić, Tomaž Žagar	<b>GeoNetwork Advanced: User Interface and Schema customization</b> Paul van Genuchten, Antonio Cerciello, François Prunayre	<b>Applying deep learning to geospatial data with Solaris</b> Jake Shermeyer, Nick Weir	<b>PostgreSQL/PostGIS for Beginner</b> Astrid Emde, Lars Ligner	<b>Building your own CesiumJS map, made easy with TerriaJS</b> Stephen Davies	<b>Tips and Tricks for QGIS layouts, reports and atlas serial printing</b> Andreas Neumann
18:00 - 20:00	Registration Open at National Theatre										
18:30 - 21:00	Bucharest Guided Tours										
20:00 - ∞	Pub race										

Wednesday, 28 August - Main Conference

Wednesday, 28 August - Main Conference															
7:00 - 9:00	Exhibit Hall	Grand Hall	Ronda Ballroom	Fortuna Vest	Fortuna Est	Rapsodia Ballroom	Opera	Opereta	Simfonia	Menuet	Hora	Coral (academic)	Theatre ground floor (poster)	Room 5 (labs)	Bragadiru Palace
9:00 - 11:00		<b>Opening plenary session</b> Introduction by FOSS4G chair Welcome speech Mircea Dumitru (University of Bucharest) Welcome speech Dumitru Prunariu (Romanian Space Agency) Keynote Maria Arias de Reyna (Open Source Geospatial Foundation) Keynote Steven Ramage (Group on Earth Observations) Keynote Kyoung-Soo Eom (United Nations)													
11:00 - 11:30			<b>Coffee break</b>												
11:30 - 13:30		Matthew Hanson <b>OpenEO: Earth Observation data cubes</b> Jeroen Dries	Jody Garnett <b>State of GeoServer 2019</b> Andrea Aime, Jody Garnett	<b>Visual Hierarchies in 3D Cartography with vts-geospatial</b> Ondřej Procházka	<b>The UN Open GIS initiative – Vision, strategies, and achievements</b> Kyoung-Soo Eom, Ki-Joune Li, Rick Arias, Maria Antonia Brovelli, Hae-Kyong Kang, and Timur Obukhov	<b>Assessing &amp; improving client support for INSPIRE data</b> Alexander Kotsev, Stefania Morrone, Thorsten Reitz, Marco Minghini	<b>Shared-bike services: from open data platforms to a dataviz application</b> Damien Garaud, Raphaël Delhome	<b>Key Aspects of Choosing to Use FOSS4G in Teaching and Projects</b> Francesco Pirotti	<b>Linking geospatial free and open-source technologies with big data in biodiversity research</b> Spyros Theodoridis, Damien Fordham, Stuart Brown, Sen Li, Carsten Rabhek, David Noguees Bravo	<b>Custom workflows in QGIS thanks to Python - a non technical introduction</b> Marco Bernasocchi	<b>GRASS GIS in the cloud: actinia geoprocessing</b> Carmen Tawalika, Markus Neteler	<b>Fine spatial scale modelling of Trentino past forest landscape (TRENTINOLAND): a case study of FOSS application</b> Stefano Gobbi, Maria Giulia Cantiani, Duccio Rocchini, Paolo Zatlélli, Clara Tattoni, Nicola La Porta, Marco Ciolli	<b>Poster session</b>	<b>A comprehensive introduction to awesome QGIS</b> Ionuț Ungurianu, Mihai-Mircea Moise	
	Matthew Hanson <b>How open-source software made CubeSatData.com possible</b>	Andrea Aime, Jody Garnett <b>GeoServer feature frenzy</b>	Tom van Tilburg, Anne Blankert <b>A digital 3D maquette on country scale with pointclouds, postgis, 3D tiles and cesium</b>	Kyoung-Soo Eom, Kristina Mackinnon <b>OneMap initiative – “Collective efforts make a difference to solve common problems together”</b>	Akshat Bajaj <b>INSPIRE as an Open Platform</b>	Nicolas Roelandt, Françoise Bahoken, Laurent Jégou, Etienne Côme, Marion Maisonnebe, Grégoire Le Campion, Thomas Bapaume <b>gFlowiz, an open science framework to analyze and geovisualize networks and flow datasets</b>	Msilikale Msilanga <b>Resilience Academy as a sustainability solution for urban resilience skills development in Tanzania</b>	Julien Cabieces <b>Open source tool set for geology</b>	Tomislav Obad, Marko Turkočić <b>Integration of GIS in non-GIS applications</b>	Martin Hagh <b>GC2/Vidi: What's new in the spatial data Infrastructure project</b>	Martin Landa <b>Inter-comparison of the Global Land Cover Maps in Africa Supplemented by Spatial Association of Errors</b> , Gorica Bratic, Daniele Oxoli, Maria Antonia Brovelli				
	Even Rouault <b>State of GDAL</b>	Andrea Aime, Mauro Bartolomeoli <b>Crunching Data in GeoServer : Mastering Rendering Transformations, WPS Processes And SQL Views</b>	Sanghee Shin <b>Current Status of mago3D, an Open Source Based Digital Twin Platform</b>	Ki-Joune Li, Anandavel Kannan, Jong-Hoon Lee, Kwang Woo Nam, Impyeong Lee, Byeong-Gon Kim, and Yong-Bok Choi <b>The UN Open GIS initiative's Spiral 4 for geospatial data collection</b>	Emmanuel Belo <b>geOrchestra - INSPIRE SDI</b>	Ran Goldblatt <b>Remote Sensing Analysis for Urban Research at Scale</b>	Matthew Hafner <b>A framework for collaborative, open-access, and interactive GIS educational resources</b>	Sanna Jokela, Maiju Rekola <b>Calculating CO2 emissions for Urban Land Use Planning with FOSS4G tools</b>	Jachym Cepicky <b>GISquick: Let's share GIS much quicker</b>	Dennis Bauszus <b>Composing and securing spatial data interfaces. When? Why? How? Serverless edition</b>	Martin Landa, Jakub Jerabek, Ondřej Pesek, Petr Kavka <b>SMODERP2D Soil Erosion Model Entering Open Source Era with GPU-based Parallelization</b>				
13:00 - 14:30	<b>Lunch break at National Theatre</b>														
14:30 - 16:00		Joachim Ungar <b>Evolutions of SNAP and the SENTINEL Toolboxes</b> Omar Barrilero, Marco Peters, Cosmin Cara, Luis Veci, Marcus Engdahl, Fabrizio Ramoino, Espen Volden, Mickael Savinaud	Andrea Aime, Mauro Bartolomeoli <b>Creating Stunning Maps in GeoServer, with SLD, CSS, YSLD and MBStyles</b>	Ladislav Horký <b>An OSM-based 3D Street Map of the Earth</b>	Olivier Guyot, Florent Gravin <b>OpenLayers 6 - There And Back Again</b>	Paul van Genuchten, Jody Garnett <b>One click data publishing for QGIS to support OGC/INSPIRE</b>	Johan Van de Wauw <b>SAGA GIS 7.3 - new LTR</b>	Alessio Fabiani <b>State of GeoNode</b>	Lars Agerskov Christensen, Desire Rukud'ede, Tasia Lydia <b>Open Street Map, get beyond just the nice map</b>	Wijae Cho, Taehoon Kim, Jun Lee, Kyoung-Sook Kim <b>PinSout: Accelerating 3D Indoor Space Construction from Point Clouds with Deep Learning</b>	Christopher Beddow <b>Street-level Imagery as Open Data</b>	Hae-Kyong Kang <b>OSGeo UN Committee Educational Challenges: A use case of sharing software and experience from all over the world</b> Silvia Franceschi, Kety Adoch, Hae-Kyong Kang, Christina Hupy, Serena Coetzee, Maria Brovelli	<b>Poster session</b>	<b>Analyzing the OpenStreetMap History with the ohsome Platform</b> Fabian Kowatsch, Rafael Troilo, Martin Raifer	
	Iván Sánchez Ortega <b>Breaking the curse of raster processing software-as-a-service</b>	Till Adams <b>GeoStyler - a generic graphical style editor for geodata</b>	Tom van Tilburg, Anne Blankert <b>3D geo data in the Mapbox-gl viewer with 3D tiles</b>	Seth Girvin, Christian Mayer, Marc Jansen <b>State of GeoExt</b>	Matthias Kuhn <b>Complying with administrative data model requirements like INSPIRE, a Swiss perspective</b>	Martijn Visser <b>JuliaGeo: A Fresh Approach to Geospatial Computing</b>	Justin Saunders <b>Africa Bees - Geonode business portal for Drone Mapping in Africa</b>	Oliver Fink <b>HERE XYZ Deep Dive on Creating Custom Web Maps</b>	Ki-Joune Li, Yongsu Song, Byeong-Gon Kim, and Do-Hun Kang <b>inuous Initiative - An ecosystem for OGC IndoorGML</b>	Edoardo Neerhut <b>mapillaryZosm: OpenStreetMap Data from Computer Vision</b>	Hae-Kyong Kang, Timur Obukhov, Minpa Lee <b>Geo-Analytic Functions for UN Field Operations - UN Open GIS: Spiral 3 Geo-Analysis</b>				
	Joachim Ungar <b>Mapchete - tile-based geodata processing</b>	Mauro Bartolomeoli <b>Introduction to MapStore, mashups made simple</b>	Sanghee Shin, Sungjin Kang, Byungchul Bae, Hanjin Lee, Minpa Lee <b>Let's Power the Analytics and 3D to the Web Based Military Geo-Portal using FOSS4G!</b>	Andrea Aime <b>GeoServer WFS3: introduction to the RESTful, schemaless, JSON first download service</b>	Marco Minghini, Michael Lutz, Clemens Portele, Jon Herrmann, Enrique Soriano, Carlos Palma, Itakj Diaz de Cerio Paniagua, Belén Sáez, Lorena Hernandez, Daniele Francioli, Fabio Vinci <b>INSPIRE Reference Validator: status and next steps</b>	Alessio Fabiani <b>Revamp of Coordinate Reference System management in the OSGeo C/C++ stack with PROJ and GDAL</b>	Alessio Fabiani <b>One Geonode, many Geonodes</b>	Christopher Beddow <b>Mapillary Mobile Apps &amp; SDKs</b>	James Banting, Darren Wiens <b>Finding Sasquatch or how to fake a moon landing</b>	Ariel Anthieni <b>Interactive map of geospatial information in the City of Buenos Aires</b>	Diego Gonzalez Ferreiro, Yoichi Kayama, Hirofumi Hayashi, Nobusuke Iwasaki, Francis Mugambi, Timur Obukhov, Yusuke Motojima, Takenori Sato <b>Design and development of the UN Vector Tile Toolkit</b>				
16:00 - 16:30	<b>Coffee break</b>														
16:30 - 18:00		Daniel Santillan Pedrosa <b>Bridging the gap between Planets Advanced EO Imaging Platform and ESA-CSCDA</b> Rene Griesbach, Holger Jaekel	Andreas Neumann <b>State of the QGIS project</b>			Torsten Drey <b>Publication of Inspire Datasets as Linked Data</b> Rodriguez Pascual, Antonio Federico, Enrique Soriano	Daniel Morissette <b>State of MapServer</b> Seth Girvin, Daniel Morissette, Michael Smith	Bogdan Grama, Iulian Iuga, Servet Giefer <b>Safer Navigation Using Electronic Navigational Charts, AIS and RADAR Data powered by FOSS4G</b>	Yves Bolognini <b>GeoMapFish - Project Status</b>	Mykola Kozyr <b>From visualization to analysis. Stop using heatmaps to discover spatial patterns</b>	Alex Orenstein <b>Show me the good grass: an open GIS powered call center for livestock herders in Mali</b>	Moritz Lennert <b>Creating Wallonia's new very high resolution land cover maps: combining GRASS GIS OBIA and OTB pixel-based results</b>	<b>Poster session</b>	<b>Analyzing the OpenStreetMap History with the ohsome Platform</b> Fabian Kowatsch, Rafael Troilo, Martin Raifer	
	Daniel Santillan Pedrosa, Lubomir Bucek <b>Interactive (EO) data visualization in the web</b>	Marco Bernasocchi <b>QGIS is dead, long live QGIS! - the very best new features of QGIS 3.x</b>			Eddy Cattaneo, Andrea Pogliaghi, Mirko La Valle, Massimo Foccardi, Dello Brentan, Monica Cestaro, Massimo Visman <b>Interactive GeoPlatform for Public Administrations</b>	Lars Schylberg <b>MapServer, Optimize for performance</b>	Silvia Franceschi <b>FOSS tools for modelling natural hazards: the HortonMachine library</b>	Pirmin Kalberer <b>WebAssembly - a new technology and its potential for geospatial application</b>	Olivier Courtin <b>From Text to Map, a state of art</b>	Lars Agerskov Christensen, Desire Rukud'ede, Tasia Lydia <b>Data is USELESS!</b>	Ivan S. Rykin, E. Pandi, V.Tsepelev <b>Automated GIS-based Complex Developed for the Long-term monitoring of Growing Season Parameters Using Remote Sensing Data</b>				
	Robert Nagy <b>Planet - how GIS/RS users can leverage the product and services</b>	Walter Lorenzetti, Lami Leonardo, Francesco Boccacci <b>G3W-SUITE a new framework for the QGIS projects WEB publication</b>			Markus Neteler, Torsten Drey, Emmanuel Belo, Marc Jansen <b>When building, maintaining &amp; continuously improving a SDI isn't enough: DevOps processes to the rescue</b>	Peter Rushforth <b>MapML: The (new) "map" HTML element, now in MapServer, GDAL and OGR</b>	Ronoh Kennedy, Jin Igarashi <b>Case Study of Non-Revenue Water Management of Narok water in Kenya</b>	Gérard Fenoy, Venkatesh Raghavan, Rajat Shinde <b>MapMint: The service-oriented platform</b>	Eita Hori <b>Natural Language Processing meets FOSS4G - Introduction of Document Mapping</b>	Nicolas Bozon, Dalibor Janak, Petr Sloup, Martin Mikita, Petr Pridal <b>Geospatial open data for everyone, from global to local</b>	Leopold <b>A Tensor Based Framework For Large Scale Spatio-Temporal Raster Data Processing</b>				
18:00 - 20:00			<b>Birds of a feather</b>												<b>B2B meeting</b>
20:00 - 2:00	<b>Ice Breaker at Bragadiru Palace</b>														

Thursday, 29 August - Main Conference

7:00 - 8:00															FOSS4G Morning Run around the Parliament Palace														
8:00 - 9:00															Registration Open at National Theatre														
9:00 - 10:30															Coffee break														
10:30 - 11:00															Lunch break at National Theatre														
11:00 - 12:30															Coffee break														
12:30 - 14:00															Poster session														
14:00 - 15:30															Coffee break														
15:30 - 16:00															Poster session														
16:00 - 18:00															Coffee break														
18:00 - 20:00															Poster session														
20:00 - 2:00															Gala Dinner at Palace of the Parliament														
	Exhibit Hall	Grand Hall	Ronda Ballroom	Fortuna Vest	Fortuna Est	Rapsodia Ballroom	Opera	Opereta	Simfonia	Menuet	Hora	Coral (academic)	Theatre ground floor (poster)	Room 5 (labs)	Club Lounge														
		Plenary session Keynote Julia Wagemann (ECMWF) Keynote Matt Hanson (Element 84) Keynote Aaron Williams (OmniSci) Keynote Jody Garnett (GeoCat)																											
		Athina Trakas		Michael Turner	Enrique Soriano	Francesco Pirotti	Maxym Malynowsky		Vicky Vergara	Luís Moreira de Sousa	Brooklynn Constant	Daniele Oxoli																	
		OGC Overview: programs, processes, standards baseline and new developments relevant for the OSGeo community Angelos Tzotsos, Tom Kralidis, Athina Trakas, Stephan Meißl	Metadata workflow, history and draft in GeoNetwork Paul van Genuchten	Open Source Business Models: making money & playing by the "rules" Michael Turner	Using FOSS4G in HPC environment Kylli Ek	Deep Transfer Learning for Land Cover Classification on Open Multispectral Satellite Imagery Yoni Nachmany, Anže Zupanc, Matej Batič	User-Generated Offline Maps With Serverless Frameworks Maxym Malynowsky	Working with 3D city models in Python Balázs Dukai, Hugo Ledoux	Shortest path in the database and more with pgRouting Vicky Vergara	ISRIC:152160 - The Homologous Projection in a Big Spatial Data framework Luís Moreira de Sousa	LEOWorks, an educational open source software Adrian Stoica, Claudia Ifrim	Database transformation, cadastre automatic data processing in QGIS and implementation in Web GIS Hamidreza Ostadabbas, Heike Weippert, Franz-Josef Behr																	
		OSGeo and the OGC Innovation Program Stephan Meißl, Athina Trakas	Oskari technical developments Sami Mäkinen	Space-enabled opportunities in business incubation, applications and services Overview by ESA Business Applications and Space Solutions Joana Kamenova	How digging in the earth for the fibre roll-out took GRASS to the cloud Markus Neteler, Torsten Drey, Carmen Tawalka, Markus Metz, Anika Bettge	Geospatial data processing for image automatic analysis Raphaël Delhome	Real time mapping with SMS where there is no internet Marie-Julie Lambert, Zakari Saley Bana, Didier Verges	From Planetary Scale to Street Level Detail: Instant 3D Map Data Fusion with VTS Tomas Kavan, Ladislav Horky	Developing a GIS-based roads maintenance management system Mugeha Laura	Mapping the world beyond Web Mercator Andrea Aime	Use of open source software in training module as part of the PANAFGEO project Spela Kumelj, Matija Krivic	Urban Geo Big Data Maria Antonia Brovelli, Piero Boccardo, Gloria Bordogna, Antonio Pepe, Mattia Crespi, Michele Munafo, Francesco Pirotti																	
		OGC standards development and the role of OSGeo Angelos Tzotsos, Tom Kralidis, Athina Trakas	Running QGIS Server in production Eric Lemoine	EO Services: From Research to Business Kamen Iliev	Serverless infrastructure to manage vector and tiff data: pbf and COGs Enrique Soriano, Simone Dalmaso, Belén Sáez, Raúl García	SpaceNet: Automation Levels for Foundational Mapping Ryan Lewis	Offline viewing and editing Geographic Information for Forest Fire Defense René-Luc Dhont, Michaël Douchin	Cesium applications made awesome with TerriaJS Stephen Davies	Establishing a Sharing Port for Shared Mobility Services by Analyzing Last Mile Commuting trip Junyoung Choi	Spatial Reference Systems Transformations with Boost.Geometry Adam Wulkiewicz	Destination Unknown: Design Dimensions of Open Source Travel Mapping Tools Brooklynn Constant	Visualization of Big GeoData: An experiment with DINSAR deformation time series Candan Eylül Kilsedar, Manuela Bonano, Gloria Bordogna, Paola Carrara, Pasquale Imperatore, Riccardo Lanari, Mariarosaria Manzo, Antonio Pepe, Maria Antonia Brovelli																	
		Nicolas Roelandt	Malena Libman	Tim Sutton	Daniel Morissette	Francesco Pirotti	Astrid Emde	Ladislav Horky			Schuyler Erle	Marco Minghini			B2B lunch														
	Exhibit Hall Open	State of GRASS GIS Project: 35 years is nothing! Markus Neteler, Veronica Andreo, Anna Petrasova, Moritz Lennert, Martin Landa, Luca Delucchi, Markus Metz	Metadata catalog Cookbook for Argentina's SDI Malena Libman	GIS Migration Paths - Tools and strategies to move to open source GIS Mario Baranzini	pycsw project status 2019 Angelos Tzotsos, Tom Kralidis		Making thematic mapping and geospatial development easier than ever Victor Velarde	vts-mapproxy - The 3D Geospatial Streaming Server Ondřej Procházka	The best of both worlds: Using open and closed source s/w to manage Transportation Networks and associated LRS Pano Voumouris, Mike Huitson, Gopi Kumarappan	Geographic measures in Boost.Geometry: length, area and beyond Vissarion Fisikopoulos	Data Science with OpenStreetMap and Wikidata Nikolai Janakiev	Comparing INSPIRE and OpenStreetMap data: how to make the most out of the two worlds Marco Minghini, Alexander Kotsev, Michael Lutz																	
		Are we going back to Command Line GIS? Nicolas Roelandt	Modernization of land administration in Colombia based on FOSS4G and standards Germán Carrillo	From proprietary GIS to OpenSource : overview of a software stack Vincent Picavet	Next generation OGC web services with pygeoapi Tom Kralidis, Jorge S. Mendes de Jesus, Paul van Genuchten	Computer Vision at scale with RoboSat Olivier Courtin	Create Web Application with Mapbender Astrid Emde	I3S - an open standard to bring 3D to Web, Desktop and Mobile platforms Tamrar Belayneh	Como llego to infinity and beyond Andrea Trovati	GeoEasy, free surveying calculations Zoltan Siki	Using Open Street Mapping to map Incidence of Malaria among Vulnerable People of Luano District, central Zambia Chomba Chishala	An open risk index with learning indicators from OSM-tags, developed by machine learning and trained with the WorldRiskIndex Daniel Feldmeyer, Holger Sauter, Jörn Birkmann			Create A Cross Platform GIS Micro-Environment With Vagrant and VirtualBox Corina Tudorache														
		Users management, authorization and usage analysis on Croatian SGA Geoportal Dragan Podvezanec, Tomislav Obad		It's open source, how could that possibly go wrong!? Marco Bernasocchi	GeoHealthCheck: QoS Monitor for Geospatial Web Services Tom Kralidis, Just van den Broecke	CNN-based tools in GRASS GIS Ondřej Pešek, Martin Landa	Thematic Mapping with Oskari Timo Aarnio	Battle of 3D Rendering Stacks: CesiumJS, VTS Geospatial or iTowns? Ladislav Horky	Establishment of Integrated Disaster Response System through the Analysis of Disaster Response Work Jinyi Park	I've got geodata - How do I get out there (on the web)? Arne Schumacher	Mapping the Fate of the Dead in North Korea with Free & Open Source Software and Data Dan Bielefeld	Exploratory study of urban resilience in the region of Stuttgart based on OpenStreetMap and literature resilience indicators Holger Sauter, Daniel Feldmeyer, Jörn Birkmann																	
		Andreas Neumann		Mark Varley	Jáchym Čepický			Luís Moreira de Sousa	Tom van Tilburg	Erik Meerburg		Ionuț Iosifescu																	
		BruGIS Data Management (BDM) : QGIS plugins to manage and edit data Grégory Vandenschrick	From paper to pods: Revolutionised fibre planning process at Deutsche Telekom AG with FOSS4G components Torsten Drey, Emmanuel Belo, Marc Jansen, Markus Neteler, Marc Sutter, Till Adams	Open Source Procurement and the perfect Hotdog Jody Garnett	ZOO-Project: News about the Open WPS Platform Gérald Fenoy, Venkatesh Raghavan, Nicolas Bozon, Rémi Cresson, Benoit Hiroux, Jean-Christophe Desconnet	Extracting channel heads from digital elevation models (DEM) using machine learning techniques Naman Jain, Ramendra Sahoo, Vikrant Jain	Algorithm Walk-through: How to Visualize a Large GeoTIFF on Your Web Map Daniel J. Dufour	Geodata on IPFS Volker Mische	Analyzing floating car data with clickhouse db, postgres and R Tom van Tilburg	Geopaparazzi state of the art of the digital field mapping application Andrea Antonello	Spatial Data analysis for gender Céline Jacquin	Open Science, Knowledge Sharing and Reproducibility as Drivers for the Adoption of FOSS4G in Environmental Research Ionuț Iosifescu Enescu, Gian-Kasper Plattner, Leo Bont, Marielle Fraefel, Rolf Meile, Thomas Kramer, Lucia de Espona Pernas, Dominik Haas-Artho, Martin Hägeli, Konrad Steffen																	
		Three-D Change Detection: A QGIS Plugin with Python 3 Jordan Bates, Muhammad Hasan Mustafa, Tammy Chakraborty	State of deegree 2019 Torsten Friebe, Dirk Stenger, Stephan Reichhelm	Transition to open source - Israel's geospatial portal Uri Dorozko	State of PyWPS Jáchym Čepický	The open geospatially anchored superverse ecosystem (Open AR Cloud) Jan-Erik Vinje	Discover huge raster files in the Browser with geotiff.js Fabian Schindler	3.6 million points to polygons - lessons learned while generating voting districts with QGIS, PostGIS and OpenJUMP? Topi Tjukanov	Crash Analysis System (CAS) - a crash data analytics and visualisation platform Antonin Caen	Input: A touch friendly mobile app for data collection Lutra Consulting	Has she access? Mapping accessibility of Sexual and Reproductive Health care Martin Van Aken, Moritz Lennert	Analysing Geographical Access to Health Care in Nigeria using QGIS Anthonia Ijeoma Onyehialam			Introduction to OGC services, with examples from GeoServer Mauro Bartolomeoli														
		Automating Image-Based Boundary Delineation Ivan Ivanov	GeoNetwork Opensource: What's Happening and Upcoming Paul van Genuchten, Antonio Cerciello, Francois Prunayre, Florent Gavin	Behind the mirror : how we run an OpenSource company Vincent Picavet	WPS with Qgis processing - From desktop to server René-Luc DHONT, David Marteau		How will you use Orfeo ToolBox in the next few years? Yannick Tanguy	GNOSIS Map Tiles: Open specifications for tiles of vector, imagery, coverages, point clouds, referenced and embedded 3D models Jerome St-Louis	Taking community mapping to a new level (literally) in Tanzania Samhir Vasdev, Asha Mustapher	Field data collection strategies - using QField and QGIS Matthias Kuhn	Social protection portal Kampala - On open source portal for humanitarian use Lars Agerskov Christensen, Desire Rukud'ede, Tasia Lydia	OSS Technologies in Modelling Spatial Accessibility of Primary Health Care in Malawi Yamikani Phiri, Kondwani Munthali																	
		QGIS: No more plugins only processings René-Luc DHONT, Michaël Douchin, David Marteau	What's new in OSGeoLive 13.0 ? Astrid Emde, Angelos Tzotsos, Nicolas Roelandt	Addresscloud: how we built a business on FOSS Mark Varley	Using the OGC Web Processing Service (WPS) to move business logic to the server Ian Turton	Demystifying AI in Geo Andrew Chapkowski	EOxCloudless: Level-3 Analysis Ready Satellite Data Petr Sevcik, Joachim Ungar, Elias Wanko	Struggle with WebGL to render vector data Enrique Soriano, Simone Dalmaso, Belén Sáez, Raúl García	Mapping for better and clean communities Niceria Wanjiru Kimani	In-situ observation renaissance with istSOS and IoT Daniele Strigaro, Massimiliano Cannata, Milan Antonovic	Designing for Crisis Eriol Fox, Justin Scherer	Open data in health-geomatics: mapping and evaluating publicly accessible defibrillators Lorenzo Gianquintieri, Enrico Gianluca Calani, Piero Brambilla, Andrea Pagliosa, Guido Francesco Villa, Maria Brovelli																	
		Birds of a feather																											

Registration Open at National Theatre												
8:00 - 9:00	Exhibit Hall	Grand Hall	Ronda Ballroom	Fortuna Vest	Fortuna Est	Rapsodia Ballroom	Opera	Opereta	Simfonia	Menuet	Hora	Coral (academic)
		Astrid Emde	Darren Wiens	Arne Schumacher	Ran Goldblatt		Francesco Pirotti	Steven Ramage	Schuyler Erle			Victoria Rautenbach
09:00 - 10:30		What's new in PostGIS Darafei Praliaskouski	STAC and OS software Matthew Hanson	The shift of trade powers – Understanding China's growing importance in global economic activity with FOSS technologies Arne Schumacher	Free Satellite Data for Stronger City Resilience Ran Goldblatt, Brad Bottoms, Nick Jones	The European Flood Awareness System (EFAS) Maurizio Latini	National Forest Inventory (NFI) in the Czech Republic presented in Graphs and Maps Vendula Hejlová	GEO 101: an intro to the Group on Earth Observations (GEO) Steven Ramage, GEOGLOWS, EO and global streamflow forecasting Julia Wagemann	Ammunition in the Sea: How OpenSource is used to locate mines, bombs and other ammunition from the World Wars Jann Wendt	Open Source Practice and Passion at OSGeo Jody Garnett	OpenMapTiles: news, thematic layers, and coordinate systems Petr Sloup, Dalibor Janak, Petr Pridal	Supporting Urban Design with Open Source Geospatial Technologies Megan Haynes, Victoria Rautenbach Serena Coetzee
		Fun with Foreign Data Wrappers (FDW) and PostgreSQL Astrid Emde	Comet Time Series (CometTS)- Visualizing Temporal Trends in a Time Series of Satellite Imagery with an Open Source Tool Jake Shermeyer	Open County Mapping for Accountability and Service Delivery Joshua Ogure	Extracting cloud free images in an area of interest from a remote sensing archive Jesko Zimmermann, Stuart Green	Simple is Better: An Intro to Event-Driven Serverless Architectures for Faster Disaster Response Joe Flasher	Building cloud environments with open source software to offer processing of large environmental data sets Sylvie Lamy-Thepaut, Milana Vuckovic, Stephan Siemen	e-shape and PARSEC: Copernicus enabled business opportunities Valentina Balcan	Borehole Data Management System: a web interface for borehole data acquisition Massimiliano Cannata, Milan Antonovic	Kia ora - The Learnings of FOSS4G SoTM Oceania Edoardo Neerhut, John Bryant, Adam Steer , Alex Leith	How to make a crafty Vector Tile map: Custom tiles, the perfect sprite, animating stuff and random hot air balloons! Niene Boeljen	A Scalable Approach for Spatio-Temporal Assessment of Photovoltaic Electricity Potentials for Building Façades of Entire Cities Christian Braun
		Cooking with PostGIS Rhys Stewart	Stac-chat: spatiotemporal assets in your chat Darren Wiens	Reconsidering Default. Why default parameters matter and how to make them meaningful Mykola Kozyr	State of JAI Andrea Aime, Jody Garnett	Remote Sensing Deltas Liviú Giosan	Deforestation Monitoring using Change Detection Damon Rand, Ryan Elfman, Padraic Harley	(G)EO hackathon: engaging indigenous communities Diana Mastracci	Using a QGIS for small scale agriculture mapping Tim Sutton	Building FOSS4G friendly ecosystem in Central Europe Jáchym Čepický	VectorTile for SeaWind YeonHwa Jeong	Urban development plan using open source geospatial technology - a case study of Ahmedabad Darshana Rawal, Vishal Gupta, Anjana Vyas
10:30 - 11:00		Coffee break										
		Daniel Morissette	Michael Terner	Daniel Urdá	Raymond Nijsen			Ion Nedelcu	Ciprian Samoilă	Peter Mooney	Schuyler Erle	Massimiliano Cannata
11:00 - 12:30	Exhibit Hall Open	The secret life of open source developers Ian Turton, Andrea Aime	How to host and access STAC Imagery using Google's gRPC Remote Procedure Call framework and Protobuf messages David Raleigh	A geo-spatial big data infrastructure for Asset Management Elena Francioni, Marco Corsi , Filippo Daffinà, Mariano Biscardi, Salvatore Recano, Marcello Cinque	PyQGIS the comfortable way - tricks to efficiently work with Python and QGIS Marco Bernasocchi	Exploring large amounts of weather forecast data through Open Source software Cihan Sahin, Sylvie Lamy Thepaut, Pierre Vernier, Tim Orford, Carlos Valiente	The new Forest Inventory Estimation and Analysis system Jifi Fejfar, Radim Adolt, Ivo Kohn, Adrian Lanz	FOSS4G EO Data Challenge	Improvements of the Public Safety Map service Using a Chatbot Hyoung Seong Park, Young Joo Oh	Building an OSGeo Community - Experiences from Ireland Peter Mooney	Block grid system usage at the example of Estonian Postal Services Kemo Oolep	Human geography with Open GIS as a transformative introductory higher education course Joseph Holler
		Spatial Support in MySQL Norvald H. Ryeng	SIRA – a single framework to search and view complex datasets through OGC services Alfieri Paola, Costamagna Simona, Navarretta Antonello, Sanmartino Dieg	Big Data above and beyond, OpenLayers and Power BI working together Daniel Urdá, Florin Iosub	QGIS 3D: current state and future plans Lutra Consulting	Global land cover monitoring and updating: big data challenges Dainius Masiūnas, Nandin-Erdene Tsendbazar, Martin Herold, Marcel Buchhorn, Myroslava Lesiv, Bruno Smet, Ruben van de Kerchove, Jan Verbesselt	Building an open source mapping system for support of regulatory activities in the field of electronic communications networks Tomaž Šturm	FOSS4G EO Data Challenge	Open Green Map - a geospatial tool for sustainable living Ciprian Samoilă, Wendy Brawer	Open source contributors do more than they should. QGIS as a reference project to find sustainable ways to rock! Régis Haubourg	Building a national vector tile set for the Netherlands Steven Ottens	Fast insight about the severity of hurricane impact with spatial analysis of Twitter posts Katarina Spasenovic, Daniela Carrion, Federica Migliaccio, Barbara Pernici
		Up and Running with Martin Rhys Stewart	Standing up a OSM clone with GeoServer and CSS Andrea Aime	Lizmap to create Web Map Applications René-Luc Dhont, Michaël Douchin	Enhancing & re-designing the QGIS user interface - a deep dive Sebastian Ernst, Maria Müller	Multi-temporal Sentinel-1 based detection and mapping of changes of the ground properties induced by water content variations in Danube Delta, Valentin Poncoş	The case of PULSE: fostering sustainable environments using geodata with a participatory approach Vittorio Casella, Cristiana Larizza, Manuel Ottaviano, Andrea Pogliaghi, Domenico Vito	FOSS4G EO Data Challenge	Mapping Green goes Open with the GIS Collective Szabo Bogdan	Self-replicating Technologies: Open Source & Patents Sonal Bhoraniya	Vector tile benchmark Pirmin Kalberer, Karsten Vennemann	An open drought monitoring system for the Deduru Oya Basin in Sri Lanka in the context of the 4onse Project Daniele Strigaro, Massimiliano Cannata, Emeshi Sudantha, Hettiarachchige Bopagoda, Rangajeewa Ratnayake
12:30 - 14:00			Lunch break									
			Alex Leith					Adam Steer	Ciprian Samoilă	Matthias Kuhn		Cameron Green
14:00 - 15:30		TEAM Engine - Validation of new OGC standard WFS 3.0 and status update of project Dirk Stenger	Social Dynamics in Urban Context (SoDUCo) : Open tools, models, and data – Paris and its suburbs, 1789- 1950 Pierre-André Le Ny, Bertrand Duméniou	The Open Data Cube Sandbox Alex Leith	From desktop to spatial data infrastructure with QGIS Marco Hugentobler	GlobWetland Africa Toolbox: Implementing Earth Observation based Wetland Monitoring Capacity in Africa Radoslaw Guzinski, Jonas Blüthgen, Cecile M.M. Kittel, Christian Tottrup	Geochicas OSM María Ballesteros, Carmen Diez	Streaming and rendering the Turin 3D geospatial content through GIS and BIM integration Fabrizio Massara, Fabrizio Provera, Adelaide Ramassotto	Building a geo marketing tool with open source geospatial software Bart Saelen	QGIS on the road - part I Marco Bernasocchi		Evaluating student motivation and productivity during mapathons Cameron Green, Victoria Rautenbach, Serena Coetzee
		A COG In The Machine - Using Cloud Optimised GeoTiffs to Query 24 Billion Pixels In Real-Time Tomas Holderness	Processing and refining European Land use Inventory LUCAS for National Needs: A Case study – Land Use and Soil Inventory for Ireland, LUSII Gabriela Afrasinei	Implementing an openEO compliant back-end for processing data cubes on the JEODPP Pieter Kempeneers, Tomas Kliment, Pierre Soille	SHOGun, GeoServer & QGIS Integration: Manage WebGIS Applications from your Desktop Till Adams	Development of a flood risk monitoring system to support flood risk reduction through community-driven drainage cleaning and drain adoption(Twa Mtar) in Dar es salaam city Edgar Vitus Mlowe, Beatrice Charles Mumbo	The FOSS4G path in Argentina Malena Libman, Andrea Trovant, Ariel Anthieni	Continental Scale Point Cloud Data Management and Exploitation with Entwine Connor Manning	Case Study of Data Collection & Data Sharing for Rural Water Supply Management in Rwanda Honore Niyonsenga, Jin Igarashi	QGIS on the road - part II Marco Bernasocchi		Geodesic algorithms: an experimental study Vissarion Fisikopoulos
		OMERO: an open source tool for a cross-disciplinary geospatial Odyssey iLaria Marengo	Flood Vulnerability Index for coastal communities linked to mangrove forests based on the COASTMAP URABÁ project in Colombia María Fernanda Peña Valencia	GNOSIS Cartographic Map Style Sheets (CMSS) - an elegant and powerful styling language for both classic and 3D cartography Jerome St-Louis	QWC2 viewer for QGIS server with micro service architecture Pirmin Kalberer	Mesh: GIS data beyond raster and vector Peter Petrik, Martin Dobias	Open Source Design with Humanitarian tools Eriol Fox, Justin Scherer	Exploiting PDAL Entwine in the wild Adam Steer	Development of a public toilet search system using open data and chatbots Yoichi Kayama	QGIS on the road - part III Marco Bernasocchi		Overview of open source software for close range photogrammetry Giuseppina Vacca
15:30 - 16:00		Coffee break										
16:00 - 18:30		Closing plenary session OSGeo AGM Keynote Francesco Barbato (European Commission) Awards (Challenge, Sol Katz, developer) Keynote Iván Sánchez Ortega (ivan.sanchezortega. es) Closing ceremony										
18:30 - ∞		Pub race										

**Saturday, 31 August - Code Sprint**

**Room 1, Room 2, Room 3, Room 4**

**9:00 - 20:00**

**Code sprint**

**18:00 - 20:30**

**Guided Bucharest  
Tours**

**20:00 - ∞**

**Pub race**