September 16, Wednesday

Session Time	Topic/Title	Presenter
S1-1	**3D and Open Source GIS**	
11:00-11:25	OL3-Cesium: 3D for OpenLayers maps	Guillaume Beraudo
11:25-11:50	3D OpenSource software Stack	Olivier COURTIN
11:50-12:15	Presentation of GNOSIS SDK: High performance 3D visualization SDK and GIS software	Jerome St-Louis
S1-2	**Open Source Gis and Data Utilization**	
11:00-11:25	Don't Copy Data! Instead, Share it at Web-Scale	Mark Korver
11:25-11:50	DigitalGlobe and Open Source	Kevin Bullock
11:50-12:15	Koop: Data is Life, Life is Awesome	Chris Helm
S1-3	**Project Development**	
11:00-11:25	Geopaparazzi, state of the art	Hirofumi Hayashi
11:25-11:50	GeoPackage and how open source is changing the way governments think about standards	Nathan Frantz
11:50-12:15	ZOO-Project 1.5.0: News about the Open WPS Platform	Nicolas Bozon
S1-4	**Hacks and Mashes**	
11:00-11:25	Automatic Improvement of Points-of-Interest Tags in OSM	Sabine Storandt
11:25-11:50	Instantiating a Library of Footprint Definitions Based on Geo-parsing Place Names and Prepositions in Textual Media	Ahmad Aburizaiza
11:50-12:15	Performance Analysis of MongoDB Vs. PostGIS/PostGreSQL Databases For Line Intersection and Point Containment Spatial Queries.	Sarthak Agrwal
S1-5	**Project Development**	
11:00-11:25	MANAGING MULTI-DBMS ON A SINGLE UI, A WEB-BASED SPATIAL DB MANAGER	BJ Jang
11:25-11:50	Technical introduction to Oskari - A Modular web mapping application framework!	Hanna Visuri
11:50-12:15	New Geoprocessing Toolbox in uDig Desktop Application Framework	Minpa Lee
S2-1	**Hacks and Mashes**	
13:25-13:50	How Simplicity Will Save GIS	Vladimir Agafonkin
13:50-14:15	Jsonix: Talking to OGC Web Services in JSON	Alexey Valikov
14:15-14:40	GeoServer on steroids	Andrea Aime
14:40-15:05	Building OpenLayers Applications with QGIS	Benjamin Trigona-Harany
15:05-15:30	Live monitoring of ski tracks in Norway	Kjartan Bjørset
S2-2	**Living in and with Earth**	
13:25-13:50	Protecting the Planet with Postgis: How we are calculating complex protected area coverage statistics for all countries in the world.	Miguel Torres
13:50-14:15	Arctic Web Map and PolarMap.js	Steve Liang
14:15-14:40	_An open source GIS application for scientific national park management_	Byeong-Hyeok Yu
14:40-15:05	Open Source GIS-based Geomorphohydrological Watershed Model and it's Application to Flash Flood Prediction in Ungaged Basins	Hong-Tea Kim
15:05-15:30	Ocean data Interpolation using Open Source GIS	Junghwan Yun
S2-3	**New Open Source GIS Trend I**	
13:25-13:50	Making Sense of Sensor Data with Maps	Aurelia Moser
13:50-14:15	Turning Data into Information with Geo-Ontologies	Justin Lewis
14:15-14:40	Sensor up your connected applications with OGC SensorThings API	Steve Liang
14:40-15:05	Using Spark in Weather Applications	Charles Maalouf
15:05-15:30	Citizen science and Smart cities, the evolution of GIS	María Arias de Reyna
S2-4	**Hacks and Mashes**	
13:25-13:50	Geographical Weighted Regression Model to Refine Depth Estimation From Multispectral Imageries	Venkatesh Raghavan
13:50-14:15	The Integration of Heterogeneous Open Source Software to Develop a Dynamic Urban Growth Simulation Model	Donghan Kim
14:15-14:40	Haze Optimized Transform Based Adjustment Technique on Internet Resident Satellite Imagery.	Mark Edwin Tupas
14:40-15:05	Dynamic Styling For Thematic Mapping	Simon Moncrieff
15:05-15:30	Results of an Evaluation of Augmented Reality Mobile Development Frameworks For Addresses in Augmented Reality	Daniel Jooste
S2-5	**Data Utilization**	
13:25-13:50	LiDAR analysis and hazard mapping with the open source geospatial library JGrassTools	Silvia Franceschi
13:50-14:15	High-precision open lidar data enable new possibilities for spatial analysis in the canton of Zurich/Switzerland	Priska Haller
14:15-14:40	GeoServer for Spatio-temporal Data Handling With Examples For MetOc And Remote Sensing	Andrea Aime
14:40-15:05	Satellite Snow Cover Products Evaluation and Validation Platform Developed Entirely With Floss Software	Vasile Craciunescu
15:05-15:30	Geodata for Everyone - Model-driven development and an example of INSPIRE WFS service	Meixia Feng
S2-6	**Visualisation with Open Source GIS**	
13:25-13:50	Mapping in GeoServer with SLD and CSS	Andrea Aime
13:50-14:15	Visualizing Fire Department Responses with CartoDB	Paul Wickman
14:15-14:40	Revolutionizing map use in Norwegian newspapers	Kjartan Bjørset
14:40-15:05	Dynamic analysis, reporting and visualization of metadata catalogue	Francois Prunayre

Session Time	Topic/Title	Presenter
S3-1	Project Development & Visualisation	
16:00-16:25	PostGIS Feature Frenzy	Paul Ramsey
16:25-16:50	State of GeoServer	Jody Garnett
~~16:25-16:50~~	~~MapboxGL + Protobuf + d3.js = liquid fast massively scalable interactive web map & data visualization 2.0~~	~~Ben Wyss~~
16:50-17:15	Temporal Maps leading to new views in Spatial Analysis	Andy Eschbacher
17:15-17:40	Visualizing geographical data made extremely easy by SLD Editor!	Hanna Visuri
S3-2	Big Data with Open Source GIS	
16:00-16:25	Big data analysis with Tile Reduce and Turf.js	Alex Barth
~~16:25-16:50~~	~~Hadoop as a Complete Geospatial Data Platform~~	~~David Kaiser~~
16:50-17:15	Spatial Tajo : Supporting Spatial Queries on Apache Tajo	Hyungu Cho
17:15-17:40	The Case Study of Tourism Trend in S.Korea Based on Geospatial Big Data Analysis	Jung Bo Rin
S3-3	Utilization of various Open GIS data	
16:00-16:25	OpenAerialMap: A Distributed Commons for Searching and Hosting Free Imagery	Kate Chapman
16:25-16:50	OpenDroneMap, Next Steps: Toward optimization and better 3D modeling	Stephen Mather
16:50-17:15	The OpenStreetMap Revolution	Alex Barth
17:15-17:40	Opening Address Data around the World	Tom Lee
S3-4	New Trends	
16:00-16:25	Usability Engineering For Successful Open Citizen Science	Jan Alexander Wirwahn
16:25-16:50	An On-board Visual-based Attitude Estimation System For Unmanned Aerial Vehicle Mapping	Samsung Lim
16:50-17:15	Object-Based Building Boundary Extraction From Lidar Data	Samsung Lim
17:15-17:40	The Development of Web 3D-based Open-pit Mine Monitoring System	Se Yul Kim
17:40-18:05	A Comparison of Image Aligning and Correcting Software with an Unmanned Aerial System	Kangsan Lee
S3-5	Visualisation with Open Source GIS	
16:00-16:25	A simple way to create a web infographic map: For public data and private data	Hanjin Lee
16:25-16:50	Accelerating GeoSpatial Data Analytics With Pivotal Greenplum Database	Kuien Liu
16:50-17:15	Mobmap as a visualization platform for spatio-temporal data	Hiroaki Sengoku
17:15-17:40	Interaction for Impact	Beth Liebert

September 17, Thursday

Session Time	Topic/Title	Presenter
S4-1	**Asia Special Session - Mapping**	
11:00-11:20	Mapping efforts in an unsurveyed land - Koorachundu Village Panchayat experience	Jaisen Nedumpala
11:20-11:40	Sapporo Childcare Map: Making the city "a little better" with FOSS4G	Mayumi Kubo
11:40-12:00	Localized Landmark model based on OSM data for Socialized Landmark based Navigation System	Pasindu Chandrasekara
12:00-12:20	Automatic field data collection based on mobile GIS	Nguyen Dung
S4-2	**New-born Business Solution**	
11:00-11:25	Radically Open: The Mapzen Platform	Alyssa Wright
11:25-11:50	New GIS Paradigms: The Information Commons	Santiago Giraldo Anduaga
11:50-12:15	New opensource geospatial software stack from NextGIS	Maxim Dubinin
S4-3	**Hacks and Mashes**	
11:00-11:25	Stuffing your vector tiles full of data	Robert P. V. Nordan
11:25-11:50	Your map sucks; using analytics to build a better map	Will Cadell
11:50-12:15	"Migrating" from Google Earth API to Cesium	Hidenori Watanave
S4-4	**Collaboration & Education**	
11:00-11:25	OpenSenseMap - a Citizen Science Platform For Publishing and Exploring Sensor Data as Open Data	Thomas Bartoschek
11:25-11:50	Development of Open Source Geospatial Certification Model Based on the Geospatial Technology Competency Model	Tanzeel Ur Rehman Khan
11:50-12:15	Integrating Open Source GIS Software in Undergraduate Curriculum, Research, and Outreach - Recent Experiences at Salisbury University	Arthur J. Lembo
S4-5	**Project Development**	
11:00-11:25	ngeo: a companion library for OpenLayers 3	Eric Lemoine
11:25-11:50	OGC GeoPackage in practice: Implementing a new OGC specification with open-source tools	Nathan Frantz
11:50-12:15	Advanced Security with GeoServer and GeoFence	Andrea Aime
S4-6	**Project Development**	
11:00-11:25	OpenLayers 3 Feature Frenzy	Tim Schaub
11:25-11:50	A D3-Based Vector Mapping Library	Erez Cohen
S5-1	**Asia Special Session - Web and Framework**	
13:25-13:45	A Web-based Framework for Monitoring Spatial-temporal Clustering of Epidemics in Taiwan	Wei Chien Benny Chin
13:45-14:05	WebSAFE: Developing an Online Exposure and Risk Assessment Tool for the Philippines	Ivan Lester Saddi
14:05-14:25	GIRS – OPEN SOURCE WEBGIS SOLUTIONS TO BUILD GIS APPS	Thành Long
14:25-14:45	The framework database of glossary for geodesy and GIS	Zolzaya Lkhamsuren
14:45-15:05	Web-based Atlas depicting the spatial patterns of biodiversity of Karnataka	Shiva Subramanya
15:05-15:25	Utilizing Free Open Source Software and Open Data in the Crop Suitability Analysis of Adlai for Climate Change Adaptation	Gleen Depra
S5-2	**Various Application of Open Source GIS**	
13:25-13:50	GIS-modeling of long-time consequences after nuclear accident.	Martin Ytre-Eide
13:50-14:15	Saving Rapid Urbanizing Cities using the FOSS4G Based Spatial Analysis for Urban Development	Junyoung Choi
14:15-14:40	The innovative role of Open Source GIS spatial analytics tools to unravel parliamentary election results and trends of World's largest democracy.	Dinesh Grover
14:40-15:05	A gap analysis for protected areas in South Korea	Hyeyeong Choe
15:05-15:30	Open source GIS technologies help add spatial reasoning to crop acreage data mapping and analysis.	Dinesh Grover
S5-3	**SDI**	
13:25-13:50	geOrchestra, a free, modular and secure SDI	Frrancois Van Der Biest
13:50-14:15	Metadata Management for Spatial Data Infrastructures	Kim Durante
14:15-14:40	Intelligent SDIs with MapMint 2.0	Nicolas Bozon
14:40-15:05	The development of a geospatial creating system for National Spatial Data Infrastructure.	Jong-hun Lee
15:05-15:30	A spatial view in the culture heritage domain	Jacob Mendt
S5-4	**Case Study**	
13:25-13:50	An Open Source Web Service For Registering and Managing Environmental Samples	Anusuriya Devaraju
13:50-14:15	Developing a Land Use Database of the Kanto Region, Japan in the 1880's	Nobusuke Iwasaki
14:15-14:40	Landmark Based Path Planning with a Linear Map Display For Mobile Map Applications	Thejaka Mahaulpatha
14:40-15:05	Global Positioning System For Subtlety Management of Public Transport System in Sri Lanka	Devanshi Ganegoda
15:05-15:30	Poverty and Peace: an Empirical Analysis of Counterinsurgency Programs Using GIS	Elizabeth Milo
S5-5	**Work Efficiency with Open Source GIS**	
13:25-13:50	Case study: A full-fledged cutting-edge FOSS4G map production system	Jakob Ventin
13:50-14:15	Open Source and Open Standard based decision support system: the example of lake Verbano floods management.	Massimiliano Cannata
14:15-14:40	Location-based Task Management for Mobile Business	Daniel Kastl
14:40-15:05	Decision-making system for grants for maintaning services in rural areas	Anders Dahlgren
15:05-15:30	Use case of a dual open strategy in the canton of Zurich/Switzerland	Priska Haller
S5-6	**Project Development**	
13:50-14:15	Extending PostGIS with Python	Benjamin Trigona-Harany
14:15-14:40	PostgreSQL, batteries included	Olivier COURTIN
14:40-15:05	New QGIS functions for power users	Marco Hugentobler
15:05-15:30	PDAL: the Pointcloud Data Abstraction Library	MICHAEL SMITH

Session Time	Topic/Title	Presenter
S6-1	Asia Special Session - Improvement	
16:00-16:20	QGIS and Other OpenSource Data as Tools for Analysis on the Flashflood in the Matina Watershed, Davao City, Philippines	Glenn Depra
16:20-16:40	Development of GIS Tool for the Solution of Chinese Postman Problem using Improvement Algorithm: A case study of Pune city, India	Sachin Bhusare
16:40-17:00	Continuous Improvement of the NOAH Initiative through the Use of Free and Open Source Software	Ivan Lester Saddi
17:00-17:20	An Utilization Improvement Plan of National Health Data Using Open Source	JIYE EMily YUN
17:20-17:40	Evaluating Flood hazard Potential in Danang City, Vietnam using FOSS4G	Thi An Tran
17:40-18:00	Proposal of Water Pollution Sources Management based on Open Source GIS	Han Kang
S6-2	New Open Source GIS Trend II	
16:00-16:25	Open Source for Handling IndoorGML	Ki-Joune Li
16:25-16:50	ISA Server - An Indoor Spatial Data Server	Ki-Joune Li
16:50-17:15	istSOS: latest developments and first steps into the OSGeo incubation process	MASSIMILIANO CANNATA
17:15-17:40	Cadasta: Securing Property Rights with Open-Source	Kate Chapman
S6-3	Hacks and Mashes	
16:00-16:25	Mapping the world beyond 3857	Andrea Aime
16:25-16:50	Building an OpenLayers 3 map viewer with React	Pirmin Kalberer
16:50-17:15	Catalog on the fly satellite images	Luiz Motta
17:15-17:40	An image browser for the Planet	Alessandro Isaacs
S6-4	Disaster and Disease	
16:00-16:25	Advances in Civic Co-management Within the Geospatial Ecosystem Applied to Disaster Risk Management	Tomas Holderness
16:25-16:50	Flood Hazard Mapping of Lower Indus Basin Using Multi-Criteria Analysis	Saba Zehra
16:50-17:15	Evaluation of an Open-source Collaborative WebGIS Prototype in Risk Management with Students	Zar Chi Aye
17:15-17:40	An Open-Source WebGIS Platform For Rapid Disaster Impact Assessment	Roya Olyazadeh
17:40-18:05	Evaluating Flood Hazard Potential in Danang City, Vietnam Using FOSS4G	Thi An Tran
S6-5	Project Development	
16:00-16:25	QGIS Plugins - From Must-Haves to insider tips	Pirmin Kalberer
16:25-16:50	GeoNetwork 3	Florent Gravin
16:50-17:15	Route Planning in your Database with pgRouting	Daniel Kastl
17:15-17:40	MapServer #ProTips 2	Jeff Mckenna
S6-6	Project Development	
16:00-16:25	Dynamic dashboards with D3.js and CartoDB	John Powell
16:25-16:50	Point Clouds in a Browser with WebGL	Daniel Kastl
16:50-17:15	OpenStreetMap Geo-Processing	Amir Pourabdollah
17:15-17:40	Magical PostGIS in three brief movements	Paul Ramsey

September 18, Friday

Session Time	Topic/Title	Presenter
S7-1	Best GIS Solution	
11:00-11:25	CartoDB Basemaps: a tale of data, tiles, and dark matter sandwiches	Alejandro Martínez
11:25-11:50	Map publishing with or without programming skills	Timo Aarnio
~~11:50-12:15~~	~~IgeaSDI – a complete solution for your business GIS needs~~	~~Tomislav Obad~~
S7-2	Safety	
11:00-11:25	Analyzing Fire Department Response with PostGIS	Paul Wickman
11:25-11:50	External Radiation Exposure Estimation by OGC-based Sensor Information Platforms	Kyoung-Sook Kim
11:50-12:15	IMPROVING PUBLIC HEALTH DELIVERY IN NORTHERN NIGERIA USING OPEN SOURCE TECHNOLOGIES	Dami Sonoiki
S7-3	Hacks and Mashes	
11:00-11:25	Fast Cache, Fresh data. Can we have it all?	Henrik Lund Pedersen
11:25-11:50	Taking dynamic web mapping to 1:100000 scale	Alejandro Martínez
11:50-12:15	PostTrajectory : Querying and Managing GPS and Trajectories on Postgresql/PostGIS	Yoo Ki Hyun
S7-4	Big Data	
11:00-11:25	Analysis of Spatial Density Utilizing the Big Data of Floating Population of Seoul City	Hailin Kim
11:25-11:50	The Use of Spatial Big Data For Planning Support	Donghan Kim
11:50-12:15	Geosocial Big Data Analysis Using Python and FOSS4G with the Case Study of Korean Data	Ilyoung Hong
S7-5	Hacks and Mashes	
11:00-11:25	Research client side draggable route selection with pgRouting	Ko Nagase
11:25-11:50	Building and integrating a Continuous-Integration system within your open source project	Steven Lander
11:50-12:15	WalkLite in Mobile GIS: A Schema to Extend and Symbolize SpatiaLite	Xian Chen
S7-6	For the Better GIS Business	
11:00-11:25	Giving Away the Code Without Giving Away the Farm: A Business Model for Open Source Entrepreneurs	Blaine Hackett
11:25-11:50	Earning Your Support Instead of Buying it: A How-to Guide to Open Source Assistance	Ian Turton
11:50-12:15	New Consumer Insights from Map Analytics	Will Cadell
S8-1	Innovative usage of Open Source GIS	
13:25-13:50	Everybody wants (someone else to do) it: Writing documentation for open source software	Mike Pumphrey
13:50-14:15	Semantic assessment and monitoring of crowdsourced geographic information	Hamish Mcnair
14:15-14:40	COBWEB, a citizen science data collection platform.	Panagiotis Terzis
14:40-15:05	How to build a succesful co-operation around your FOSS software - case Oskari	Jani Kylmäaho
S8-2	Policy	
13:25-13:50	Using the latest ISO standard for geographic information (ISO19115-1:2014)	Francois Prunayre
13:50-14:15	GIS Policy Map for Local Government in Korea: Story of Dobong-gu, Seoul	Yongjae Park
14:15-14:40	How opensource technologies can contribute to sustainable devlopment in Haiti	Wendy Delva
14:40-15:05	triple-A for the environment: make IT simply better	Arnoud De Boer
S8-3	Hacks and Mashes	
13:25-13:50	Tempus, a new OpenSource platform for Multimodal routing	Vincent Picavet
13:50-14:15	MapCache: Fast and Featureful tile serving from the MapServer project	Thomas Bonfort
14:15-14:40	Deploying Emergency Routing Web Processing Services using FOSS4G	Chingchai Humhong
14:40-15:05	OSM Rendering Notes	Erez Cohen
S8-4	Hacks and Mashes	
13:25-13:50	A Novel Approach to Label Human Population in Supermarkets Using Cellular Phone Data	Hao Chen
13:50-14:15	Image Geocoding as a Service	Jorge Gustavo Rocha
14:15-14:40	Development of Data Archiving and Distribution System For the Philippines' LiDAR Program Using Object Storage Systems	Ken Abryl Eleazar Salanio
14:40-15:05	Modifications to Web Processing Service Standard For Client-Side Geoprocessing	Evgeny Panidi
S8-5	Hacks and Mashes	
13:25-13:50	High Performance in the Critical Rendering Path	Nicolas Bevacqua
13:50-14:15	Push it through the wire! Push it more, if it's wireless!	Jachym Cepicky
14:15-14:40	On simulation and GIS, coupling and hydrology	Vincent Picavet
14:40-15:05	Model complexity and service chaining patterns: impact on geospatial web processing service performance	Ebrahim Poorazizi
S8-6	Project Development	
13:25-13:50	Processing, serving and rendering huge point clouds on Mobile devices and Web pages	Manuel De La Calle Alonso
13:50-14:15	MapServer Status Report	Thomas Bonfort
14:15-14:40	The way to go with WPS	Espen Messel
14:40-15:05	Towards GeoExt 3 – Supporting both OpenLayers 3 and ExtJS 6	Mark Jansen

Session Time	Topic/Title	Presenter
S9-1	Disaster and Disease	
16:00-16:25	Use case of Disaster Management System by using Geopaparazzi and MapGuide Open Source	Hirofumi Hayashi
16:25-16:50	Sharing a map P2P in the browser for Disaster response	Tom van Tilburg
16:50-17:15	A framework for assessing location-based personalized exposure risk of infectious disease transmission	Hsu Ching-Shun
S9-2	Benchmarks	
16:00-16:25	Leaflet vs. OpenLayers: which is best for our indoor maps?	Iván Sánchez Ortega
16:25-16:50	WPS Benchmarking Session	Benjamin Pross
16:50-17:15	OSGeo and LocationTech Comparison	Jody Garnett
S9-3	Hacks and Mashes	
16:00-16:25	Raster Data In GeoServer And GeoTools: Achievements, Issues And Future Developments	Andrea Aime
16:25-16:50	GeoCouch: Operating multidimensional data at scale with Couchbase	Volker Mische
16:50-17:15	Dynamic Queries for OSM Features in Webspeed: Tiles as Quadtrees	Erez Cohen
S9-4	Benchmarks & SDI	
16:00-16:25	Analysing the Performance of NoSQL vs SQL Databases with Respect to Routing Algorithms.	Sarthak Agarwal
16:25-16:50	Comparative Evaluation of GIS Routing Tools Using Open Source Applications	Kehinde Adewara
16:50-17:15	A Cross National Comparison on the Awareness of Adopting FOSS4G to NSDI in Developing Countries	Junyoung Choi
S9-5	Hacks and Mashes	
16:00-16:25	web framework in GIS	Geunsoo Kim
16:25-16:50	Gis Server with Golang.	Kyoung Tae Doh
16:50-17:15	CourtVisionPH: A System for the Extraction of Field Goal Attempt Locations and Spatial Analysis of Shooting Using Broadcast Basketball Videos	Ben Hur Pintor
S9-6	Education & Hacks and Mashes	
16:00-16:25	How can the students get Geospatial Information and make a map by using the FOSS4G.	Kenya Tamura
16:25-16:50	MapWindow Plug-in of GRM Model Using Open Source Software	Yunseok Choi