FOSS4G Boston 2017 Full Schedule*

**Schedule subject to change. but we will do our best to keep the talks on the same day (Last updated 7/14/2017)*

	Wednesday												
7:30 AM	**Registration Open / Breakfast**												
8:00 AM													
Theme	**PG Day**												
Room	**Exhibit Hall**	**Plenary Sessions**	**Cityview 1**	**Cityview 2**	**Harborview 1**	**Harborview 2**	**Harborview 3**	**Waterfront 1AB**	**Waterfront 1C**	**Waterfront 2**	**Waterfront 3**	**Beacon Hill 1**	**Beacon Hill 2&3**
8:30 AM		**Opening Plenary**											
9:00 AM		**Opening / Ramsey**											
9:30 AM		**Ramsey Keynote**											
10:00 AM			**Break**										
Track			***Misc.***	***FOSS4G***	***Alternative Mapping***	***PostGIS***	***Government***	***Adoption***	***Image Processing***	***Javascript***	***Business***	***Cartography***	***SDI/Portals***
10:30 AM			Mapping Data in Jupyter Notebooks with PixieDust	Welcome to the FOSS4G Community	Wikipedia maps	Introducing the PostGIS Add-ons: An easy way to add functionality to PostGIS	Building the Capital Planning Platform: Leveraging Open Source Software to build data and mapping tools in Local Government	Embracing Open Source for NASA's Earth Science Data Systems	Combination of satellite imagery and ground sensors to improve surface solar estimation: the e-space monitoring project	AnOl, GeoExt, MapStore 2, ngeo, … — An overview of extensions, plugins, libraries & frameworks around OpenLayers	Monsanto & Boundless contribution to the open source community; enabling fine grain entitlement for open source geospatial cloud systems (Geoserver) and desktop applications (QGIS)	GeoPoll: integrate cartographic questions in web forms, polls or surveys	Scaling my SDI: Containers or VMs?
11:00 AM			The Story of Open Source Business Models at Azavea	Breaking Up is Easy to Do: Leaving ESRI Behind for QGIS - A Case Study	Cross-Platform Mobile Mapping with React Native	Protobuf based output formats for PostGIS	Building a Frankenstein Open Data Portal with FOSS, sweat, and tears	The Eagle has landed: Transitioning EAGLE-I from the Department of Energy to Oak Ridge National Laboratory; migrating to open source	The Making of Globe Nocturne - Building a Web Application for Night-time Satellite Imagery in Environmental & Socio–Economic Studies with Open Source Geospatial Technologies	Efficient POI management system using search patterns of navigation users	The role of open source geospatial software for market research in natural resources	Why your map sucks and you don't even know it	Maintaining Spatial Data Infrastructures (SDIs) using distributed task queues
11:30 AM			GPUs & Their Role in Geovisualization	Let them expire! - One company's experience with fewer proprietary software licenses	Don't Code, Configure: Turn Your Maps into Apps	Extending PostGIS with Python	Designing open smart city platform with FOSS4G for emerging cities	Bentley's travels in the Open Source world	Exploring the relationship between climate and forest conditions in Foret Classee de la Mondah (GABON) using remote sensing data	Ngeo: a companion library for OpenLayers 3	Collaborating with Industry: Building an open source and cloud based geospatial platform	Mapping the world: going beyond web mercator with GeoServer	Building and evaluating the user experience of an Open Source geoportal: the Big Ten Academic Alliance Geoportal
12:00 PM			**Lunch**										
12:30 PM													
1:00 PM													
Track			***PostGIS***	***Community***	***Image Processing***	***PostGIS/SQL/Offline***	***Government/Utilites***	***Open Data***	***science/postgis***	***Javascript***	***Business/State Of***	***Containers/Raspberry Pi***	***SDI/Portals***
1:30 PM	**Exhibit Hall Open**		PostGIS Spatial Tricks **(1:30pm - 2:10pm)**	What's up with diversity?	Satellite exploitation platform developed entirely with FOSS software	How to version my spatial database?	Regional Wastewater Treatment Planning: FOSS RESTful API Stack & Web Application Development	Discovering the world of open data	Using Big data to produce map of food insecurity and future conflict in the world	GeoJS: High Performance Geospatial Visualization for Scientific and Infovis Commmunity	FOSS4G from the Trenches	An introduction to containerising geospatial apps with Docker	Visualizing Spatial Data Repositories: Open Geoportal Analytics Toolkit
2:00 PM			----------	The UN OpenGIS Initiative	Using Mapbox and GDAL to Visualize Trends in Ocean Phytoplankton from NASA Earth Observations Satellite Images	Analysing the performance of NoSql vs. SQL databases for Spatial and Aggregate queries	Columbia Pacific coastal municipal utility applications with GeoMOOSE	How can we better serve our citizens? New York City, Open Data, & FOSS4G Technologies – A Management Approach	Providing API Access to Cutting Edge Forest Monitoring and Analysis Tools	Browser-based geoprocessing with Turf.js	Sales and Support engineering in an Open Source SaaS start up	Containerizing your geospatial applications with Docker	OpenGeoportal lands to Europe: use cases and improvements from Geodata@Polimi
2:30 PM			Breaking the 4th dimension: working with time in PostgreSQL and PostGIS **(2:10pm - 2:50pm)** ----------	Big Data at the heart of open geospatial innovation	Weather from 250 miles up: visualizing precipitation satellite data (and other weather applications) using CesiumJS.	Offline Maps Sync using SQLite	Local and regional planning in 3D: using CesiumJS and Meteor to create land use scenarios.	Open Data and Processing Services at NASA's Socioeconomic Data and Applications Center (SEDAC)	Towards A Web-Enabled Geo-Sample Web: An Open Source Resource Management and Registration System for Connecting Geo-Samples to the Web	D3.js in postgres with plv8	State of JTS	Have Your (Raspberry) Pi, and Map with It Too.	Building National Spatial Data Portals using GeoNode
3:00 PM			Generating quick and easy React/OpenLayers Web Maps **(2:50pm - 3:30pm)**	OpenHistoryMap	High resolution topography of Polar Regions using open source software, optical satellite imagery, and supercomputing resources	Offline first mapping	Energy Delivery Expansion Planning through pgRouting	The Open Geoportal	Supporting Trajectory UDF Queries and Indexes on PostGIS	Extending Leaflet and Creating Leaflet Plugins	GeoNetwork: State of the Art	Pirate Maps: Experiments with portable maps on the Raspberry Pi	Story of Oskari - from a national geoportal towards an international OSGeo Project
3:30 PM			**Break**										
Track			***Business***	***AI/Maching Learning***				***Government***	***Misc.***	***Javascript***	***State Of***	***Python/Serverless***	***GeoNode/Node.js***
4:00 PM			What the Heck Does an Open Source Job Look Like, Anyway? A Panel Discussion ***(4:00pm - 4:45pm)***	Extracting intelligent information from aerial images using machine learning				Mapping Women's Marches around the world from January 21, 2017.	LUMASS - a spatial System Dynamics Modelling Framework	Solr Heatmap Leaflet Library	Advanced geospatial technologies: The new powerful GRASS GIS 7.2 release	GeoViews: From exploratory analysis to custom GIS dashboards in a few lines of Python code	The State of GeoNode
4:30 PM			----------	Accelerating map making with artificial intelligence				The evolution of Inteligeo, the Brazilian Federal Police GIS, from 2009 to 2017 - from a proprietary stack to FOSS	The Data Observatory: an Open Source ETL and Metadata Framework for Geodata	Re-vitalizing an enterprise mapping portal using: Elasticsearch, AngularJS and Leaflet	State of GeoWebCache	Python Raster Processing on Serverless Architecture	CartoView App Market: Configurable Web Apps for GeoNode
5:00 PM			***(4:45pm-5:30pm)*** Making money and building a business with Open Source Geospatial Technology: What works today? What will work in the future?	End-to-End Geo Machine Learning				SERCH Lights: Delivering the right information, in the right place, at the right time.	Spatially enable WordPress with WP-GeoMeta-Lib	MapStore 2, modern mashups with OL3, Leaflet and React	State of GeoGig	Scalable Geospatial Microservices with Kubernetes and PostGIS	Modern Spatial Middleware: Building Scalable Web Services with Node.js and Mapnik
5:30 PM	**Ice Breaker / Poster Sharing (Harborview)**												
6:00 PM													
6:30 PM													
7:00 PM													
7:30 PM	***End***												

	Thursday												
7:30 AM	**Registration Open / Breakfast**												
8:00 AM													
Theme	**R Day**												
Room	**Exhibit Hall**	**Plenary Sessions**	**Cityview 1**	**Cityview 2**	**Harborview 1**	**Harborview 2**	**Harborview 3**	**Waterfront 1AB**	**Waterfront 1C**	**Waterfront 2**	**Waterfront 3**	**Beacon Hill 1**	**Beacon Hill 2&3**
8:30 AM		**St. Clair Keynote**											
9:00 AM		**St. Clair / Cheng**											
9:30 AM		**Cheng Keynote**											
10:00 AM			**Break**										
Track			***Google Earth Enterprise***	***Drones/Satellite***	***Visualization***	***R***	***Misc.***	***Big Data***	***QGIS***	***3D***	***Serverless***	***Data Serving/Cartography***	***Education***
10:30 AM			Google Earth Enterprise: From Acquisition, to Enterprise Sales, to Open Source - Doing What is Right for Users	DIY mapping with drones and open source in a humanitarian context	Transforming Geospatial Data for Visualization with D3	A Journey through R for Geo	Sharing and Migrating GIS Projects with OGC GeoPackage	GIS-Explorations of Earth: A Gateway to the Big Data Workforce	DSG Tools: a toolbox for database management and vector data quality in QGIS	3D Tiles in Action	Introduction to Serverless for Geo	Best Practice for Serving Imagery using MapServer on Amazon Web Services	State of Geoforall - OSGeo global education and research labs network
11:00 AM			Everything old is new again: What open source Google Earth Enterprise means for FOSS4G and Cesium	LiveDroneMap - an Automatic Real-time UAV Mapping Solution	The Utility of Beautiful Geovisualizations	Implementation of a large-scale, interactive agricultural water balance model using R and GDAL	Devops for GIS in the Cloud	Remote Analysis of Big Data in Cloud Object Storage using FUSE, Jupyter Notebooks, Docker and Kubernetes	Geographic Update Partnership Software	Why 3D? The benefits of 3D geospatial visualization beyond pretty pictures	We're gonna need a bigger boat! Serverless Geo to avoid disaster	OnEarth 2.0: Updates to NASA's open source high performance map server	It´s all about data
11:30 AM			Google Earth Enterprise is Thriving as Open Source	Imaging the earth every day	Data driven styling for fast GL maps	Developing Scalable Information Extraction Processing Pipelines using R for Earth Observation Applications	GeoNotebook: an extension to the Jupyter Notebook for exploratory geospatial analysis	GeoWave: Utilizing Distributed Key-Value Stores for Multidimensional Data	QKan - Management of drainage system data with QGIS	3D City Models for everyone!	Hosted Services are Hard (And So Can You!)	Critical Cartography: Encoding ideas about equity and equality in spatial algorithms	Two laptops and a bag of thumb drives: knitting together a global community using FOSS4G
12:00 PM			**Lunch**										
12:30 PM													
1:00 PM													
Track			***Misc.***	***Big Data***	***Visualization***	***R***	***Government***	***Water Management***	***Standards***	***3D***	***Serverless***	***Projections***	***Education***
1:30 PM	**Exhibit Hall Open**		Mapbox GL: How vector maps work **(1:30pm - 2:10pm)**	Approaches to Visualising Big Data	Non-cartographic visualizations of geographic data	Rspatial.org, tutorials for learning Spatial R	Tufts Spatial Data Rescue: Crawling at-risk Government Data	Pghydro Project: postgresql-postgis extension to assist in water resources decision making	Promoting your open source implementation and getting OGC free certification	A Brand-New GeoBIM (Building Information Model) platform on Top of Cusium and World Wind	Serverless architectures for geo	Exploring open (and closed) coordinate system definitions in off the shelf software such as Global Mapper and Geographic Calculator	Teaching QGIS in the Public Sector: Adoption through Education
2:00 PM			_____	Geopyter: GeoMesa and PySpark in Jupyter notebooks.	Visionmaker NYC: Browser-based cellwise raster editing for urban sustainability	GeoTuple: a Framework for Web Based Geo-Analytics with R and PostGIS	USGS Open Source Algorithms for Land Remote Sensing Time-Series Data Analysis	Conservation Irrigation Water Management using FOSS4G - Season 2	Towards OSGeo best practices for scientific software citation: Integration options for persistent identifiers in OSGeo project repositories	Trillions of points - spatial indexing, organization, and exploitation of massive point clouds	Geospatial Lambda for scaleable, serverless geo-processing	Discrete global grids: what they are, how to use them	i-Reindeer - developing educational 3D quest game based on Taimyr herd migration
2:30 PM			Skyhook Open Data for Global Signal + Mobile User Behavior **(2: 10pm - 2:50pm)** _____	Accelerating geospatial analytics using Apache Spark	Fake Maps, Very Dishonest	R in the Z-dimension: Processing LiDAR data for free	Forest Management - A FOSS4G Approach	Surface Runoff Estimation and Sediment Load Simulation: Basis for Surface Runoff Mitigation Plan of Madgao and Saug Rivers Watershed in Asuncion, Davao Del Norte, Philippines	ORFEO ToolBox license change from CeCILL to Apache : diary of a long journey	Planning and Visioning with Virtual Reality	Serverless architectures & automated pipelines for GIS applications	Introduction to Apache Spatial Information System (SIS)	Building an open access "spatial data management and integration" course for the world based on Common-based Peer Production principles
3:00 PM			Open Mobile Data Collection **(2: 50pm - 3:30pm)**	Converging GeoData, Big Data, And Web Applications	Visualization and analysis of active transportation patterns derived from public webcams	Integrating Apache Spark and R for Big Data Analytics on solving geographic problems	National Collaborative Mapping of Forests and Natural Resources From a Government Initiative - The Rural Environmental Registry (CAR)	Automatic generation of a 2-D-TIN for river hydraulics from 1-D cross section data	Making Ocean Observations Accessible and Usable: A Standards and Software Case Study	HOWL: 3D/4D mapping and visualization of Oregon's wildlands	Serverless! Serving GeoData in Open Standards One Request at a Time	A history, status report, and outlook of Proj.4	TBD
3:30 PM			**Break**										
4:00 PM		**Stallman Keynote**											
4:30 PM		**Stallman Keynote**											
5:00 PM		**Stallman Keynote**											
5:30 PM	***End***												
6:00 PM													
6:30 PM													
7:00 PM	**Gala at the New England Aquarium**												
7:30 PM													
8:00 PM													
8:30 PM													
9:00 PM													
9:30 PM													
10:00 PM													
10:30 PM													
11:00 PM	***End***												

Friday

9:00 AM	Registration Open												
Theme	QGIS Day												
Room	Exhibit Hall	Plenary Sessions	Cityview 1	Cityview 2	Harborview 1	Harborview 2	Harborview 3	Waterfront 1AB	Waterfront 1C	Waterfront 2	Waterfront 3	Beacon Hill 1	Beacon Hill 2&3
Track			*State Of/Space*	*Big Data/GeoServer*	*Transportation/Routing*	*QGIS*	*Stories/Time*	*Health*	*Misc.*	*3D*	*Humanitarian*	*Analytics*	*Environment*
9:30 AM	Exhibit Hall Open		State of GeoServer	The Billion Object Platform (BOP): a system to lower barriers to support big, streaming, spatio-temporal data sources	Map Rendering and Route Planning Unified	State of QGIS	The MapStory approach to crowd-editing change over time	National Library of Medicine community health mapping program	Building a Table Joining like service with Web Processing Services	Point Cloud Filters & Pipelines in PDAL	Using FOSS mapping and charting tools to visualize refugee and immigrant integration data	What defines a neighborhood?	Processing conservation indicators with open source tools: lessons learnt from the Digital Observatory for Protected Areas
10:00 AM				GeoServer in Production: we do it, here is how!	A case study using Kubernetes/Docker routing , geocoding, and basemap microservices with QGIS and OpenLayers		How to make use of FOSS4G in public broadcasting	A Cloud-based Epidemiological Surveillance Platform with Application to Chagas Disease Vector Control	ZOO-Project 1.7.0: What is new about Open WPS Platform	Mapping Terra Incognita: Bringing Buildings into 2D/3D GIS	A Tool for Assessing Port Capabilities Across the Globe	Spatial Regression Explorer - A FOSS Web Tool for Spatial Regression Techniques	Urban Multi-scale Environmental Predictor - an extensive tool for climate servises in urban areas
10:30 AM			Mars in 3D across oceans of time: How we made Rewind the Red Planet	GeoServer Feature Frenzy	Detecting Traffic Crash Patterns and Identifying the most Risky Street Segments and Sections for City of Boston using Spatial Statistical Methods	Towards an Improved Metadata Management in QGIS: Vision and Roadmap	Deep Dives into Boston History: View Hundreds of Aligned Maps using Mapjunction and Open Source	Health Accessibility in South East Santiago de Chile	Exposing location data services through SQL	Melown 3D mapping stack	Copernicus EMS - Mapping: Crisis Response and Data Sharing	CARTO's spatial analytics extension, an update	OpenAQ: An open air quality platform and community for the world
11:00 AM			NASA: Mapping software for rapid science decision making while exploring lava flows to simulate a human Mars mission	Development of an extension of GeoServer to provide handling three-dimensional spatial data	Solving the last mile problem with OpenTripPlanner (OTP), Mapzen Pelias, and open data	Custom QGIS Symbols with Inkscape	7 Falsehoods Programmers Believe about Place & Time	Using FOSS4G to Support Polio Eradication in West Africa	Map Markup Language and the Web of Maps: How Hypertext Works For Mapping	Open Source Geospatial Tools to Enable Large Scale 3D Scene Modeling	Where the Grass Meets the Sky: Developing an Early Warning GIS for Nomadic Herders in the West African Sahel	The Unlikely Road to Advanced Open Source 3D Mapping Technology	Solar Electricity Potentials in Mati City Based on Satellite Data and Geographic Information Systems
11:30 AM			Lunch										
12:00 PM													
Track			*Space*	*GeoServer*	*Transportation/Routing*	*QGIS*	*Big Data*	*Health/Agriculture*	*Analytics*	*3D/Space*	*Vector Tiles*	*LiDAR*	*Environment*
12:30 PM			TBD	Creating Stunning Maps in GeoServer : mastering SLD and CSS styles.	TransBASEsf.org: Linking Transportation Systems to Our Health	QGIS Web Client 2	Big Weather Data, all about partitions and precipitation	Using open source natural language processing tools to uncover the geospatial past of a lethal plant pathogen	A New Spatial Approach for Efficient Transformation of Equality - Generalized TSP to TSP	Albion : 3D modeling software dedicated to the geology	Migrating to Vector Tiles	Charcoal, iron and people: Revealing historic and archaeological landscapes using open access LiDAR data in Pennsylvania	Under water: how open source geospatial can help us understand the hidden costs of the Pak Beng dam
1:00 PM		OSGeo AGM Meeting	TBD	MapBox Styles for GeoServer and OpenLayers	Density mapping of ship traffic using FOSS4G in C# .NET	Development of a new QGIS plugin for calculating vegetation indices from UAV-based RGB images	Indexes in geo-temporal data sets... How much is enough?	Transformation of the Energy-related Severe Accident Database to an open source, interactive, web-based GIS application for risk visualization and decision-support	Noise: A new search index for semi structured data	Facilitate Visualization and Distribution of NASA Environmental Science Data through Open Standards and Open Source Software for Geospatial	Raster is a disaster, vector is a spectre: the tale of one startup on a budget, wading through the tile wars.	An open, standards-based and flexible point cloud data service	Personal Radiation Exposure Management by using an Offline Map for Fukushima Residents
1:30 PM			TBD	GeoServer Clustering Revisited: Getting Your Docker On	Social Behavior Dynamics based Transnational Trafficking Route Analysis Using pgRouting	Creating input masks for QGIS using Python, PyQt, Qt Designer	GeoMesa and geospatial Spark SQL: using cloud computing to make sense out of trillions of features	A FOSS web mapping solution for disparate precision agriculture data	Polygon aggregator for big time series of Amazon deforestation data	Processing Imagery from the World's Largest Private Fleet of Satellites	Vector tiles from OpenStreetMap with OpenMapTiles and TileServer GL	PDAL Project Status and Intro	The combined snow and land cover albedo matrix optimization.
2:00 PM		Break											
2:30 PM		Arias de Reyna Keynote											
3:00 PM		Arias de Reyna / Closing											
3:30 PM		Closing Plenary & Awards											
4:00 PM	*End*												