

FOSS4G Boston 2017 Full Schedule

(Last updated 8/09/2017)

| Exhibit Hall | | Wednesday | | | | | | | | | | | |
|--------------|-------------------|---|--|--|---|--|---|--|---|--|--|--|--|
| 7:30 AM | | Registration Open / Breakfast | | | | | | | | | | | |
| 8:00 AM | | PG Day | | | | | | | | | | | |
| Theme | | | | | | | | | | | | | |
| Room | | Plenary Sessions | Cityview 1 | Cityview 2 | Harborview 1 | Harborview 2 | Harborview 3 | Waterfront 1A | 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 | | Track | Break | | | | | | | | | | |
| | | | Miscellaneous | FOSS4G | Alternative Mapping | PostGIS | Government | Adoption | Image Processing | Javascript | Business | Cartography | SDI/Portals |
| 10:30 AM | | | Mapping Data in Jupyter Notebooks with FxDevDust | 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 | AnOI, 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 | Designing open smart city platform with FOSS4G for emerging cities | 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 | Denied: How to Geocode with FOSS When Your Data isn't Allowed in the Cloud | 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 geoport: the Big Ten Academic Alliance Geoport |
| 12:00 PM | Exhibit Hall Open | Lunch | | | | | | | | | | | |
| 12:30 PM | | | | | | | | | | | | | |
| 1:00 PM | | | | | | | | | | | | | |
| Track | | | PostGIS | Community | Image Processing | Database/SQL/Offline | Government/Utilities | Open Data | Miscellaneous | Javascript | Business/State Of | Containers/Raspberry Pi | SDI/Portals |
| 1:30 PM | | | 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 | Providing API Access to Cutting Edge Forest Monitoring and Analysis Tools | GeoJS: High Performance Geospatial Visualization for Scientific and Infotivis Community | FOSS4G from the Trenches | An introduction to containerising geospatial apps with Docker | Visualizing Spatial Data Repositories: Open Geoport 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 | Graph search, natural language, and the future of the GIS stack | 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 | It's About People: Putting the 'Community' in 'Open Data Community' | Browser-based geoprocessing with Turf.js | Sales and Support engineering in an Open Source SaaS start up | Containerizing your geospatial applications with Docker | OpenGeoport lands to Europe: use cases and improvements from Geodata@Polimi |
| 2:30 PM | | | Breaking the 4th dimension: working with time in PostgresSQL 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 iviv | State of JTS | Have Your (Raspberry) Pi, and Map with It Too. | Building a Frankenstein Open Data Portal with FOSS, sweat, and tears |
| 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 Geoport | Supporting Trajectory UDF Queries and Indexes on PostGIS | GeoMoose 3.0: React! OpenLayers! XML? | GeoNetwork: State of the Art | Pirate Maps: Experiments with portable maps on the Raspberry Pi | Story of Oskari - from a national geoport towards an international OSGeo Project |
| 3:30 PM | | | Break | | | | | | | | | | |
| Track | | | Business | AI/Machine Learning | | | | Government | Miscellaneous | Javascript | State Of | Python/Serverless | GeoNode/Raster Data |
| 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 | | | | Opening up TN's LIDAR Dataset | 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-LB | MapStore 2, modern mashups with OLS, Leaflet and React | State of GeoGig | Scalable Geospatial Microservices with Kubernetes and PostGIS | Rendering raster maps with GDAL on a computer cluster |
| 5:30 PM | | Ice Breaker / Poster Sharing (Harborview) | | | | | | | | | | | |
| 6:00 PM | | | | | | | | | | | | | |
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| 7:00 PM | | | | | | | | | | | | | |
| 7:30 PM | | End | | | | | | | | | | | |

| Exhibit Hall | | Thursday | | | | | | | | | | | |
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| 7:30 AM | Exhibit Hall Open | Registration Open / Breakfast | | | | | | | | | | | |
| 8:00 AM | | R Day | | | | | | | | | | | |
| Theme | | Plenary Sessions | Cityview 1 | Cityview 2 | Harborview 1 | Harborview 2 | Harborview 3 | Waterfront 1A | 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 | Miscellaneous | Big Data | QGIS/Data Servicing | 3D | Serverless | Data Servicing/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 Servicing 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 as an Open Source Project | 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 | Optimizing Spatiotemporal Analysis Using Multidimensional Indexing with GeoWave | Carto Connectors: data plumbing for geo-analysts | 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 | | | | | | | | | | | | |
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| 1:00 PM | Lunch | | | | | | | | | | | | |
| Track | Miscellaneous | Big Data | Visualization | R | Government | Water Management | Standards | 3D | Serverless | Projections | Education | | |
| 1:30 PM | 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: postgres+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 Cesium 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 | | Geopyler: 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 scalable, serverless geo-processing | Discrete global grids: what they are, how to use them | i-Deindeer - 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 | OKan - Management of drainage system data with QGIS | 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 | Chatbots for accessible geospatial data | | |
| 3:30 PM | Break | | | | | | | | | | | | |
| 4:00 PM | Stallman Keynote | | | | | | | | | | | | |
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| 5:00 PM | Stallman Keynote | | | | | | | | | | | | |
| 5:30 PM | End | | | | | | | | | | | | |
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| 7:00 PM | Gala at the New England Aquarium | | | | | | | | | | | | |
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| 11:00 PM | End | | | | | | | | | | | | |

| Friday | | | | | | | | | | | | | | |
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| Registration Open | | | | | | | | | | | | | | |
| QGIS Day | | | | | | | | | | | | | | |
| Room | Exhibit Hall | Plenary Sessions | Cityview 1 | Cityview 2 | Harborview 1 | Harborview 2 | Harborview 3 | Waterfront 1A | Waterfront 1C | Waterfront 2 | Waterfront 3 | Beacon Hill 1 | Beacon Hill 2&3 | |
| Track | | | Space | GeoServer | Transportation/Routing | QGIS | Stories/Time | Health | Miscellaneous | 3D | Vector Tiles | Analytics | Environment | |
| 9:30 AM | Exhibit Hall Open | | Mars in 3D across oceans of time: How we made Rewind the Red Planet | State of GeoServer | Map Rendering and Route Planning Unified | State of QGIS | The MapStory approach to crowd-editing change over time | Using FOSS4G to Support Polio Eradication in West Africa | Building a Table Joining like service with Web Processing Services | Point Cloud Filters & Pipelines in PDAL | Migrating to Vector Tiles | What defines a neighborhood? | Processing conservation indicators with open source tools: lessons learnt from the Digital Observatory for Protected Areas | |
| 10:00 AM | | | Processing imagery from the World's Largest Private Fleet of Satellites | GeoServer Feature Frenzy | A case study using Kubernetes/Docker routing, geocoding, and basemap microservices with QGIS and OpenLayers | | How to make use of FOSS4G in public broadcasting | TransBASEstf.org: Linking Transportation Systems to Our Health | ZOO-Project 1.7.0: What is new about Open WPS Platform | Mapping Terra Incognita: Bringing Buildings into 2D/3D GIS | Raster is a disaster, vector is a spectre: the tale of one startup on a budget, wading through the tile wars. | Spatial Regression Explorer - A FOSS Web Tool for Spatial Regression Techniques | Urban Multi-scale Environmental Predictor - an extensive tool for climate services in urban areas | |
| 10:30 AM | | | Facilitate Visualization and Distribution of NASA Environmental Science Data through Open Standards and Open Source Software for Geospatial | GeoServer in Production: we do it, here is how! | 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 | VTS 3D Geospatial Software Slack | Vector tiles from OpenStreetMap with OpenMapTiles and TileServer GL | 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 | National Library of Medicine community health mapping program | Map Markup Language and the Web of Maps: How Hypertext Works For Mapping | Coupling a geospatial Tangible User Interfaces (TUI) and an Immersive Virtual Environment (IVE) using open-source geospatial and 3D modelling tools | T-rex, a vector tile server for your own data | Mapping Open Source Developers Worldwide | Personal Radiation Exposure Management by using an Offline Map for Fukushima Residents |
| 11:30 AM | | Lunch | | | | | | | | | | | | |
| 12:00 PM | | Lunch | | | | | | | | | | | | |
| Track | | | Boston Projects | GeoServer | Transportation/Routing | QGIS | Big Data | Agriculture | Analytics | 3D | Humanitarian | LIDAR | Environment | |
| 12:30 PM | OSGeo AGM Meeting (Held in: Cambridge Complex) | | The Billion Object Platform (BOP): a system to lower barriers to support big, streaming, spatio-temporal data sources | Creating Stunning Maps in GeoServer: mastering SLD and CSS styles. | Density mapping of ship traffic using FOSS4G in C#.NET | QGIS Web Client 2 | Big Weather Data, all about partitions and precipitation | Tracking 19th Century Late Blight From Archival Documents Using Text Analytic Tools. | A New Spatial Approach for Efficient Transformation of Equality - Generalized TSP to TSP | Albion - 3D modeling software dedicated to the geology | Using FOSS mapping and charting tools to visualize refugees and immigrant integration data | Charcoal, iron and people: Revealing historic and archaeological landscapes using open access LIDAR data in Pennsylvania | Transformation of the Energy-related Severe Accident Database to an open source, interactive, web-based GIS application for risk visualization and decision-support | |
| 1:00 PM | | | Metric Geometry and Gerrymandering | MapBox Styles for GeoServer and OpenLayers | Social Behavior Dynamics based Transnational Trafficking Route Analysis Using pgRouting | 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? | Where the Grass Meets the Sky: Developing an Early Warning GIS for Nomadic Herders in the West African Sahel | Noise: A new search index for semi structured data | Open Source Geospatial Tools to Enable Large Scale 3D Scene Modeling | A Tool for Assessing Port Capabilities Across the Globe | An open, standards-based and flexible point cloud data service | Using open-source tools and high-resolution geospatial data to estimate landscapes' visual attributes | |
| 1:30 PM | | | Build It, Hack It, Share It | GeoServer Clustering Revisited: Getting Your Docker On | Another Perspective View of Cesium for GOC Moving Features | 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 | The Unlikely Road to Advanced Open Source 3D Mapping Technology | Copernicus EMS - Mapping, Crisis Response and Data Sharing | PDAL Project Status and Intro | Modeling effective albedo as a function of land cover type and snow type | |
| 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 | | | | | | | | | | | | | |