**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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Registration Open / Breakfast</td>
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<tr>
<td>8:00 AM</td>
<td>Opening Plenary</td>
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<tr>
<td>8:30 AM</td>
<td>Cityview 1 Cityview 2 Cityview 3 Waterfront IAB Waterfront 1C Waterfront 2 Waterfront 3 Beacon Hill 1 Beacon Hill 2+</td>
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<tr>
<td>9:00 AM</td>
<td>Opening / Ramsey Ramsey Keynote</td>
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<td>10:00 AM</td>
<td>Cityview 1 Cityview 2 Cityview 3 Waterfront IAB Waterfront 1C Waterfront 2 Waterfront 3 Beacon Hill 1 Beacon Hill 2+</td>
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<td>Cityview 1 Cityview 2 Cityview 3 Waterfront IAB Waterfront 1C Waterfront 2 Waterfront 3 Beacon Hill 1 Beacon Hill 2+</td>
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<td>12:00 PM</td>
<td>Exhibit Hall Open</td>
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<td>1:00 PM</td>
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<td>2:00 PM</td>
<td>Waterfront 1C Waterfront 2 Waterfront 3 Beacon Hill 1 Beacon Hill 2+</td>
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<td>3:00 PM</td>
<td>Waterfront 1C Waterfront 2 Waterfront 3 Beacon Hill 1 Beacon Hill 2+</td>
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**Break**

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<thead>
<tr>
<th>Time</th>
<th>Misc.</th>
<th>FOSS4G</th>
<th>Alternative Mapping</th>
<th>PostGIS</th>
<th>Government</th>
<th>Adoption</th>
<th>Image Processing</th>
<th>Javascript</th>
<th>Business</th>
<th>Cartography</th>
<th>SDI/Portals</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 AM</td>
<td>Mapping Data in Jupyter Notebooks with PostEuclid</td>
<td>Welcome to the FOSS4G Community</td>
<td>GitHub wiki pages</td>
<td>Introducing the PostGIS Adaptable, An easy way to develop spatially enabled Python applications to PostGIS</td>
<td>Building the Capital Planning Platform: Visualizing Open Source and mapping tools in local Government</td>
<td>Embracing Open Source and the Power of a Spatial Data Institute</td>
<td>Combining of satellite imagery and ground sensors to improve the monitoring of the landscape</td>
<td>Developing Open Source standards for remote sensing and data sharing</td>
<td>GeoTools &amp; GeoJournals contribution to the open source movement, fine-grain permission for open source geospatial cloud systems (GeoServer), and desktop applications (QGIS)</td>
<td>GeoFill: integrate cartographic operations in web forms, polls and surveys</td>
<td>Scaling up SDI</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>The Story of Open Source Business Models at Arvane</td>
<td>Breaking Up Is Easy To Do</td>
<td>Learning ESRI Baked into QGIS: A Case Study</td>
<td>Cross-Platform Mobile Mapping with React Native</td>
<td>Building a Framework for Open Data Portal with PostGIS, view, and layers</td>
<td>The Eagle has landed: transforming EAGLE-I from the Department of Energy to Oak Ridge National Laboratory; mapping to open source</td>
<td>Efficient Open Source geospatial system platforms around OpenLayers</td>
<td>And, GeoTools, MapServer, OpenLayers — An overview of extensions to QGIS, including tools around open source</td>
<td>The role of open source geospatial software for natural resources</td>
<td>Why your map sucks and you don't know it</td>
<td>Maintaining Spatial Data Interoperability (SDI) for a distributed task force</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>GPUs &amp; Their Role in Capitalization</td>
<td>Let There Be - One company's experience with proprietary software licenses</td>
<td>Don't Code, Configure: Turn Your Maps into Apps</td>
<td>Extending PostGIS with Python</td>
<td>Designing open smart city platform with PostGIS for emerging cities</td>
<td>Bentley's travels in the Open Source world</td>
<td>Raster: a companion library for OpenLayers 3</td>
<td>Collaborating with Industry: Building an open source and cloud based geospatial platform</td>
<td>Mapping the world: going beyond web mercator with Geoserver</td>
<td>Building and evaluating the user experiences of an Open Source geospatial the Big Ten Academic Alliance Geospatial</td>
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</tbody>
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**Lunch**

<table>
<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Track</th>
<th>Misc.</th>
<th>FOSS4G</th>
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<th>PostGIS</th>
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<th>Adoption</th>
<th>Image Processing</th>
<th>Javascript</th>
<th>Business/State Of</th>
<th>Cartography</th>
<th>SDI/Portals</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 PM</td>
<td>Exhibit Hall</td>
<td>PostGIS Spatial Tools (1:30pm - 2:10pm)</td>
<td>What’s up with diversity? Satellite exploration platform developed entirely with FOSS software</td>
<td>How to version my spatial database?</td>
<td>Discovering the world of open data</td>
<td>Using big data to produce maps for future use in the world</td>
<td>GeoTools high performance geospatial visualization for scientific and industry communities</td>
<td>FOSS4G from the trenches</td>
<td>An introduction to geoprocessing with openSDF</td>
<td>GeoSpatial Data Processing - Open Geospatial Analysis Tools</td>
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<tr>
<td>1:00 PM</td>
<td>Waterfront 1C</td>
<td>The UN OpenGIS Initiative</td>
<td>Using Mapix and ODA to visualize Tweets in Google Photographs: From NASA Earth observations Satellite Images</td>
<td>Analyzing the performance of NOSGIS vs. SQL databases for Spatial and Aggregate queries</td>
<td>Offline Maps Sync using SQlite</td>
<td>Open and local and regional planning in 2D using CesiumJS and WebLook to map land use using snow</td>
<td>Browser-based geoprocessing with turf js</td>
<td>Services and Support engineering in an Open Source Stack Start up</td>
<td>Controlling your geoprocessing with OpenSDF</td>
<td>OpenGeospatial leads to Europe-use cases and implementations from Spaceship/ESRI</td>
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<tr>
<td>2:00 PM</td>
<td>Waterfront 2</td>
<td>Breaking the 5th dimension: working with PostGIS and PostGIS &amp; QGIS (1:10pm - 2:50pm)</td>
<td>Big Data at the heart of open geospatial innovation</td>
<td>Offline Maps with Elevation Models using SQlite</td>
<td>Offline Maps using SQlite</td>
<td>Local and regional planning in 2D using CesiumJS and WebLook to map land use using snow</td>
<td>State of JTS</td>
<td>Hover Your (Raspberry) R, and behold 1.0a</td>
<td>Building National Spatial Data Portals using Geoserver</td>
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<tr>
<td>3:00 PM</td>
<td>Waterfront 3</td>
<td>Generating rasters and easy PostGIS/MongoDB Maps (1:10pm - 2:30pm)</td>
<td>OpenHaxyMap</td>
<td>High resolution topography of Florence using open source Leaflet and supercomputing resources</td>
<td>Offline first mapping</td>
<td>Energy Delivery Experience Planning through OGC/ESRI</td>
<td>The Open Geoportal</td>
<td>Supporting Trajectory and Indexes on PostGIS</td>
<td>Extending Leaflet and Creating Leaflet Plugins</td>
<td>Geoserver: State of the Art</td>
<td>Raster Maps: Exploratory with maps on the Raspberry R</td>
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<td>4:30 PM</td>
<td>Waterfront 3</td>
<td>Accelerating map making with artificial intelligence</td>
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<td>5:00 PM</td>
<td>Waterfront 1C</td>
<td>Making money and building a business with Open Source Geospatial Technology (what works today?) What will work in the future?</td>
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<td>Waterfront 2</td>
<td>Ice Breaker / Poster Sharing (OpenReview)</td>
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**End**
Thursday

8:00 AM  Registration Open / Breakfast

9:00 AM  Plenary Sessions

10:00 AM  Break

11:00 AM  Plenary Sessions

12:00 PM  Lunch

1:00 PM  Plenary Sessions

2:00 PM  Plenary Sessions

3:00 PM  Plenary Sessions

4:00 PM  Break

5:00 PM  Gala at the New England Aquarium

6:00 PM  Break
<table>
<thead>
<tr>
<th>Room</th>
<th>Plenary Sessions</th>
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</thead>
<tbody>
<tr>
<td>Exhibit Hall</td>
<td>Open</td>
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### Registration Open

**Friday Registration Open**

<table>
<thead>
<tr>
<th>Theme</th>
<th>Cityview 1</th>
<th>Cityview 2</th>
<th>Harborside 1</th>
<th>Harborside 2</th>
<th>Harborside 3</th>
<th>Waterfront 1A</th>
<th>Waterfront 1C</th>
<th>Waterfront 2</th>
<th>Waterfront 3</th>
<th>Season Hill 1</th>
<th>Season Hill 2&amp;3</th>
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</thead>
<tbody>
<tr>
<td>Track</td>
<td>State Off/Space</td>
<td>Big Data/GeoServer</td>
<td>Transportation/Routing</td>
<td>QGIS</td>
<td>Stores/Time</td>
<td>Health</td>
<td>Misc.</td>
<td>3D</td>
<td>Humanization</td>
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**8:00 AM** Registration Open  
9:30 AM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD
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11:30 AM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD
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2:30 PM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD
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3:30 PM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD
4:00 PM | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD

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**Friday, September 17th**

### Plenary Sessions

- **Registration Open**
- **Creating Stunning Maps in MapBox Styles for Environment NASA**
- **Migrating to Vector Tiles GeoServer**
- **What defines a neighborhood? Custom QGIS Symbols**
- **GeoServer in Production: Space 3D**
- **GeoServer Clustering**
- **QGIS Day**
- **Exposing location data Misc.**
- **Mapping Terra Incognita: Break**
- **Human Mars mission exploring lava flows to simulate a past of a lethal plant disease using an Offline Map for Fukushima Residents**
- **Traffic Crash Patterns and Identifying the barriers to support big, dimensional spatial data**
- **Development of an extension of GeoServer to provide handling three-dimensional spatial data**
- **GeoServer Feature Frenery**
- **GeoServer Feature Frenery**
- **Towards an Improved Incident Management in QGIS: Visualization and Roadmap**
- **Deep Dives into Boston Mapbox View: Hundreds of Aligned Maps using Mapbox and Open Data**
- **GeoServer and CSS styles.**
- **Mars in 3D across oceans of time: How we made Reddit the Red Planet**
- **Human Mars mission exploring lava flows to simulate a past of a lethal plant disease using an Offline Map for Fukushima Residents**
- **GeoServer Feature Frenery**
- **Towards an Improved Incident Management in QGIS: Visualization and Roadmap**
- **Deep Dives into Boston Mapbox View: Hundreds of Aligned Maps using Mapbox and Open Data**
- **GeoServer and CSS styles.**
- **Development of an extension of GeoServer to provide handling three-dimensional spatial data**
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- **Towards an Improved Incident Management in QGIS: Visualization and Roadmap**
- **Deep Dives into Boston Mapbox View: Hundreds of Aligned Maps using Mapbox and Open Data**
- **GeoServer and CSS styles.**

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**Session 1**

- **State of GeoServer**
- **MapRendering and Route Planning unified**
- **The MapBox approach to crowd-sourcing change over time**
- **National Library of Medicine community mapping program**
- **Building a Table Joining bike service with Web Processing Services**
- **Spell Cloud Filters & Pipelines in PDAL**
- **Using FOSG mapping and sharing tools to visualize refugee and migration integration data**
- **What defines a neighborhood? Custom QGIS Symbols**
- **GeoServer in Production: Space 3D**
- **GeoServer Clustering**
- **QGIS Day**
- **Exposing location data Misc.**
- **Mapping Terra Incognita: Break**

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**Session 2**

- **State of GeoServer**
- **MapRendering and Route Planning unified**
- **The MapBox approach to crowd-sourcing change over time**
- **National Library of Medicine community mapping program**
- **Building a Table Joining bike service with Web Processing Services**
- **Spell Cloud Filters & Pipelines in PDAL**
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- **GeoServer in Production: Space 3D**
- **GeoServer Clustering**
- **QGIS Day**
- **Exposing location data Misc.**
- **Mapping Terra Incognita: Break**

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**Session 3**

- **State of GeoServer**
- **MapRendering and Route Planning unified**
- **The MapBox approach to crowd-sourcing change over time**
- **National Library of Medicine community mapping program**
- **Building a Table Joining bike service with Web Processing Services**
- **Spell Cloud Filters & Pipelines in PDAL**
- **Using FOSG mapping and sharing tools to visualize refugee and migration integration data**
- **What defines a neighborhood? Custom QGIS Symbols**
- **GeoServer in Production: Space 3D**
- **GeoServer Clustering**
- **QGIS Day**
- **Exposing location data Misc.**
- **Mapping Terra Incognita: Break**

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**Session 4**

- **State of GeoServer**
- **MapRendering and Route Planning unified**
- **The MapBox approach to crowd-sourcing change over time**
- **National Library of Medicine community mapping program**
- **Building a Table Joining bike service with Web Processing Services**
- **Spell Cloud Filters & Pipelines in PDAL**
- **Using FOSG mapping and sharing tools to visualize refugee and migration integration data**
- **What defines a neighborhood? Custom QGIS Symbols**
- **GeoServer in Production: Space 3D**
- **GeoServer Clustering**
- **QGIS Day**
- **Exposing location data Misc.**
- **Mapping Terra Incognita: Break**