

# Free and Open Source Software for Geospatial Conference 2009

## Program at a Glance

Time	Tuesday	Wednesday	Thursday	Friday	Saturday			
0830			Kate Lundy Raul Vera Lightning Talks Paul Ramsey	Sessions	Tutorials			
0845								
0900	Workshops	Chair Welcome Richard Marles Warwick Watkins Andy Pitman Raj Singh	Break + Demo Theatre (poster session)			Break + Demo Theatre (poster session)		
0915			Break	Sessions	Tutorials	Academic Sessions	Sessions	Tutorials
0930								
0945		Sessions	Sessions	Tutorials	Academic Sessions	Sessions	Tutorials	
1000								
1015								
1030								
1045								
1100		Lunch	Lunch + Exhibition Open + Demo Theatre	Lunch + Demo Theatre			Lunch + Demo Theatre	
1115				Code Sprint				
1130								
1145								
1200								
1215								
1230	Workshops	Sessions	Tutorials	Sessions	Tutorials	Academic Sessions	Sessions	
1245								
1300		Break + Demo Theatre			Break + Demo Theatre		Break + Demo Theatre	
1315		Sessions	Tutorials	Sessions	Tutorials	Academic Sessions	WMS Shootout  CCIP Panel  Conference Close and Sol Katz Award	
1330								
1345								
1400								
1415								
1430		InstallFest	OSGeo AGM	Birds of Feather				
1445								
1500								
1515								
1530								
1545	Welcome Reception	Ignite Spatial	FOSS4G Dinner					
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1915								
1930								
1945								
2000								
2100								
2200								

**Tuesday 20 October 2009**  
**Detailed Workshop Program**

Tuesday 20 October 2009					
0900 - 1200	<u>Parkside G01</u> <b>Introduction to PostGIS</b> <i>Mark Leslie, Paul Ramsey and Mike Pumphrey</i>	<u>Parkside G02</u> <b>Making maps fast - performance tuning and tile caching</b> <i>Arne Kepp and Jim Groffen</i>	<u>Parkside G03</u> <b>Getting started with MapServer</b> <i>Jeff McKenna, Tyler Mitchell and Pericles Nacionales</i>	<u>Parkside G04</u> <b>Introduction to the Open GeoStack: PostGIS, GeoServer, GeoWebCache, and OpenLayers</b> <i>Justin Deoliveira, Andrea Aime and Tim Schaub</i>	<u>Parkside G07</u> <b>Geospatial BI with FOSS: an introduction to GeoMondrian and Spatialytics</b> <i>Thierry Badard and Etienne Dubé</i>
1200 - 1300	Break				
1300 - 1600	<u>Parkside G01</u> <b>Practical introduction to MapFish, the web 2.0 mapping application framework</b> <i>Claude Philipona, Cédric Moullet and Eric Lemoine</i>	<u>Parkside G02</u> <b>Practical introduction to GRASS and related software for beginners</b> <i>Paolo Zatelli, Marco Ciolli and Clara Tattoni</i>	<u>Parkside G03</u> <b>OpenLayers - your foundation for browser based mapping</b> <i>Tim Schaub and Roald de Wit</i>	<u>Parkside G04</u> <b>Organizing your geospatial data and services using GeoNetwork opensource</b> <i>Jeroen Ticheler and François Prunayre</i>	<u>Parkside G07</u> <b>Working with GeoServer</b> <i>Justin Deoliveira and Andrea Aime</i>
1600 - 1630					
1630 - 1730				<u>Parkside G04</u> <b>InstallFest</b>	
1730 - 1830					
1830 - 2100	<b>Welcome Reception</b> <b>Altitude Bar, Shelbourne Hotel</b>				

Wednesday 21 October 2009  
Detailed Conference Program

Wednesday 21 October 2009					
0900 - 0910 0910 - 0920 0920 - 0940 0940 - 1010 1010 - 1030	<p align="center"><u>Parkside Auditorium</u> Chair Welcome - Cameron Shorter Richard Marles Warwick Watkins Paul Ramsey Raj Singh</p>				
1030 - 1100	Break				
1100 - 1130	<p align="center"><u>Parkside Auditorium</u></p> <p>An open architecture for RESTful Geospatial web services</p> <p align="center"><i>Geoff Zeiss</i></p>	<p align="center"><u>Parkside 110A</u></p> <p>A review of international developments in policy and legal frameworks for sharing of spatial data</p> <p align="center"><i>Neale Hooper &amp; Anne Fitzgerald</i></p>	<p align="center"><u>Parkside G02</u></p> <p>Orfeo Toolbox: from satellite images to geographic information</p> <p align="center"><i>Emmanuel Christophe</i></p>	<p align="center"><u>Parkside G03</u></p> <p>The time series Toolbox</p> <p align="center"><i>Thomas Bleier</i></p>	<p align="center"><u>Parkside G04</u></p> <p>Open web processing services for improving accuracy of GPS tracks using filtering and map-matching</p> <p align="center"><i>Dr. Xianfeng Song, Venkatesh Raghavan and Daisuke Yoshida</i></p>
1130 - 1200	<p>Introducing FDO Toolbox</p> <p align="center"><i>Jackie Ng</i></p>	<p>Maximising reuse of water information through Creative Commons Licensing</p> <p align="center"><i>Brendan Moran and Baden Appleyard</i></p>	<p>Validation of satellite image with ground sensor network based on OGC web services framework</p> <p align="center"><i>Sarawut Ninsawat</i></p>	<p>Implementation OGC sensor web enablement supporting local participation in water resource management</p> <p align="center"><i>Chaipat Nengcomma</i></p>	<p>Portable wiki map server and real time environmental MySQL GIS server</p> <p align="center"><i>Gary Jeffress</i></p>
1200 - 1300	Break	Demo Theatre	Break & Exhibition Open		
1300 - 1330	<p align="center"><u>Parkside Auditorium</u></p> <p>OSGeo - globally powering SDIs</p> <p align="center"><i>Arnulf Christl</i></p>	<p align="center"><u>Parkside 110A</u></p> <p>Behind the buzz of cloud computing- 52°North Open Source Geoprocessing Software in the Google cloud</p> <p align="center"><i>Bastian Schaeffer</i></p>	<p align="center"><u>Parkside G02</u></p> <p>Shortest path search for real road networks with pgRouting</p> <p align="center"><i>Anton Patrushev</i></p>	<p align="center"><u>Parkside G03</u></p> <p>Making maps pretty with Style Layer Descriptor</p> <p align="center"><i>Andrea Aime and Jim Groffen</i></p>	<p align="center"><u>Parkside G04</u></p> <p>The use of open Geospatial software in SOPAC for digital archiving of marine information</p> <p align="center"><i>Keleni Raqisia</i></p>
1330 - 1400	<p>Spatial data infrastructure components as building blocks for early warning systems</p> <p align="center"><i>Hanko Rubach</i></p>	<p>Using cloud computing for high-availability large scale webmapping applications</p> <p align="center"><i>Claude Philipona</i></p>	<p>SoilNet SensorNetwork goes web</p> <p align="center"><i>Till Adams</i></p>		<p>Anatomy of a digital field mapping with BeeGIS</p> <p align="center"><i>Andrea Antonello, Silvia Franceschi and Mauro Dedonatis</i></p>
1400 - 1430	<p>A hybrid GIS solution to manage the French gas utility network</p> <p align="center"><i>Dr. Nicolas Bozon</i></p>	<p>Partner Management with Geography and Open Source Software</p> <p align="center"><i>Laurent Pierre and François Van Der Biest</i></p>	<p>Building Custom GIS Applications using Open-Source Toolkits - A Case Study</p> <p align="center"><i>Dr. Daniel B. Koch</i></p>		<p>goGPS: a navigation software to enhance the accuracy of low cost GPS receivers</p> <p align="center"><i>Eugenio Realini</i></p>
1430 - 1500	Break	Demo Theatre	Break		
1500 - 1530	<p align="center"><u>Parkside Auditorium</u></p> <p>Flood mapping and monitoring service build entirely with FLOSS software</p> <p align="center"><i>Vasile Crăciunescu</i></p>	<p align="center"><u>Parkside 110A</u></p> <p>SCENZ-Grid, the implementation of a science collaboration and computation environment</p> <p align="center"><i>Niels Hoffmann</i></p>	<p align="center"><u>Parkside G02</u></p> <p>Using open source geospatial technology in a national environmental regulatory program</p> <p align="center"><i>Jon Soderberg</i></p>	<p align="center"><u>Parkside G03</u></p> <p>Making maps fast</p> <p align="center"><i>Arne Kepp and Jim Groffen</i></p>	<p align="center"><u>Parkside G04</u></p> <p>gvSIG Mini. OSM for almost every phone</p> <p align="center"><i>Javi Carrasco, Alberto Romeu and Miguel Montesinos</i></p>
1530 - 1600	<p>Geodata and CouchDB</p> <p align="center"><i>Volker Mische</i></p>	<p>Integration of grid service and web processing service</p> <p align="center"><i>Gao Ang</i></p>	<p>Using open source to the Ministry of Housing and urban development - CHILE</p> <p align="center"><i>César Medina</i></p>		<p>From Geodata to Geoinformation-52° North Web Processing Service (WPS) and SEXTANTE</p> <p align="center"><i>Bastian Schaeffer</i></p>
1600 - 1630	<p>Case study: pollutant release and transfer registry</p> <p align="center"><i>Arnulf Christl</i></p>	<p>ZOO project: an open WPS platform</p> <p align="center"><i>Gerald Fenoy</i></p>	<p>Zonae Cogito - a decision support system for the real world</p> <p align="center"><i>Matthew Watts</i></p>		<p>Sensor services in gvSIG</p> <p align="center"><i>Javier Carrasco</i></p>
1630 - 1730	<p align="center">OSGeo AGM <u>Parkside Auditorium</u></p>				
1730 - 2230	<p align="center">Ignite Spatial Please visit <a href="http://www.igniteSpatial.com">www.igniteSpatial.com</a> to check ticket availability <u>Altitude Bar, Shelbourne Hotel</u></p>				

Thursday 22 October 2009  
Detailed Conference Program

Thursday 22 October 2009					
0830 - 0840 0840 - 0900 0900 - 0925 0925 - 1000	<p align="center"><u>Parkside Auditorium</u> Kate Lundy Raul Vera Lightning Talks Andy Pitman</p>				
1000 - 1030	Break	Demo Theatre	Break and poster discussions with poster authors (Parkside Foyer)		
1030 - 1100	<p align="center"><u>Parkside Auditorium</u></p> <p>Building human sensor webs with 52°North SWE implementations <i>Simon Jirka</i></p>	<p align="center"><u>Parkside 110A</u></p> <p>OpenLayers: vector mayhem <i>Tim Schaub</i></p>	<p align="center"><u>Parkside G02</u></p>	<p align="center"><u>Parkside G03</u></p>	<p align="center"><u>Parkside G04</u></p> <p>Two-dimensional dam break flooding simulation: a GIS embedded approach</p>
1100 - 1130	<p>The value of spatial information to the Australian economy <i>Alan Smart</i></p>	<p>There is no alternative to OpenLayers...? <i>Till Adams</i></p>	<p>Working with GRASS-GIS vectors and Ddatabases <i>Richard Chirgwin</i></p>	<p>A friendly hands-on survey of popular Geospatial services <i>Jody Garnett, Mark Leslie and Andrea Antonello</i></p>	<p>Media mapping: using georeferenced images and audio to provide supporting information for the analysis of Environmental Sensor Datasets</p> <p>Wetland ecosystem computational model sharing and integration based on Open Standards</p>
1130 - 1200	<p>MapTiler: map publishing a la Google Maps <i>Klökán Petr Pridal</i></p>	<p>Comparing apples and oranges: uncovering the mystery of component selection in WebGIS projects <i>Marc Jansen</i></p>			<p>A data system for visualizing 4D atmospheric CO2 models and data</p>
1200 - 1300	Break	Demo Theatre	Break		
1300 - 1330	<p align="center"><u>Parkside Auditorium</u></p> <p>The state of PostGIS <i>Paul Ramsey</i></p>	<p align="center"><u>Parkside 110A</u></p> <p>Live demonstration of DEWS <i>Matthias Lendholt and Martin Hammitzsch</i></p>	<p align="center"><u>Parkside G02</u></p>	<p align="center"><u>Parkside G03</u></p>	<p align="center"><u>Parkside G04</u></p> <p>User-friendly interactive WPS programming</p>
1330 - 1400	<p>Rearranging the landscape of spatial database technology <i>Andrew Ross</i></p>	<p>BioSIRT - A national system using Open GIS components <i>Ian Miller</i></p>	<p>Leveraging OGC services with GeoExt <i>Andreas Hocevar</i></p>	<p>Getting started with MapWindow: an easy-to-install, easy-to-use free GIS for Windows <i>Ted Dunsford</i></p>	<p>Use of cloud computing in impact assessment of climate change</p> <p>Geoprocessing in the clouds</p>
1400 - 1430	<p>PostGIS and Oracle Spatial <i>Simon Greener</i></p>	<p>Improving community safety through wildfire mitigation - an open source case study <i>Alistair Hart</i></p>			<p>NICAMS: a spatially enabled image analysis tool for photographic transect surveys. <i>Brent Wood (non academic replacement presentation)</i></p>
1430 - 1500	Break	Demo Theatre	Break		
1500 - 1530	<p align="center"><u>Parkside Auditorium</u></p> <p>Summary of MapServer OGC web services <i>Jeff McKenna</i></p>	<p align="center"><u>Parkside 110A</u></p> <p>FLEX/Mapserver application for the Brazilian industrial fishing vessels monitoring program <i>Rafael Medeiros Sperb</i></p>	<p align="center"><u>Parkside G02</u></p>	<p align="center"><u>Parkside G03</u></p>	<p align="center"><u>Parkside G04</u></p> <p>MapWindow 6.0: an extensible architecture for cartographic symbology</p>
1530 - 1600	<p>Proj4js - coordinate system transformations in the browser <i>Michael Adair</i></p>	<p>A robust, low cost, GIS enabled data capture &amp; management system for commercial/research vessels <i>Brent Wood</i></p>	<p>Delivering data using published application schemas <i>Rob Atkinson</i></p>	<p>Using ILWIS with its PostGIS plug-in for raster-vector applications <i>Rob Lemmens</i></p>	<p>Development of Track Log &amp; POI management system using free and open source software</p> <p>Images analysis improvement by variational segmentation in GRASS GIS</p>
1600 - 1630	<p>Yukon Planning Atlas - building regional capacity for land and resource management <i>Jeff Hamm</i></p>	<p>CityGML extension for Building Information Modelling (BIM) and IFC <i>Léon van Berlo</i></p>			<p>MapWindow modeler - a modular spatial modeling environment for GIS</p>
1630 - 1900	<p align="center"><b>Birds of a Feather</b> <i>BoF sessions are unstructured timeslots where people can self organise to discuss topics of interest. All session rooms will be available for this.</i></p>				
1840 - 2200	<p align="center"><b>FOSS4G Conference Dinner Cruise</b> <i>Boarding Time: 1840 (with prompt departure at 1900)</i> <b>Captain Cook Cruises, Jetty 9, King St Wharf</b></p>				

Friday 23 October 2009  
Detailed Conference Program

Friday 23 October 2009					
0830 - 0900	<u>Parkside Auditorium</u>  Building a SDI massively based on OWS <i>David Jonglez</i>	<u>Parkside 110A</u>  Enviro: a WebGIS interface to evaluate and manage the impact of climate change at regional scale <i>Riccardo De Filippi</i>	<u>Parkside G02</u>	<u>Parkside G03</u>	<u>Parkside G04</u>  Engaging NGOs in geospatial initiatives using FOSS4G for improved development work at various scales <i>Marc M. Delgado</i>
0900 - 0930	Using open source technologies to spatially enable Aceh <i>Maurits van der Vlugt</i>	GeoServer, GeoTools and GeoBatch: supporting operational meteorology and oceanography <i>Simone Giannecchini</i>	Sensor web enablement - bringing sensors into SDIs <i>Arne Broering, Simon Jirka, Chirstoph Stasch and Thomas Everding</i>	Protecting OGC web services with the 52°North Security System <i>Jan Drewnak</i>	Mapping interviews with open source technologies <i>Chris McDowall</i>
0930 - 1000	ebRIM interface for GeoNetwork OpenSource <i>Heikki Doeleman</i>	The use of open source in Canada's National Forest Information system <i>Brian Low</i>			Building community information systems with Drupal and OpenLayers <i>Dr. Charles Burnett</i>
1000 - 1030	Break	Demo Theatre	Break and poster discussions with poster authors (Parkside Foyer)		
1030 - 1100	<u>Parkside Auditorium</u>  GeoServer: past, present, and future <i>Justin Deoliveira</i>	<u>Parkside 110A</u>  GeoPrisma: an access controlled map generator <i>Julien-Samuel Lacroix and Stéphane Guillemette</i>	<u>Parkside G02</u>	<u>Parkside G03</u>	<u>Parkside G04</u>  GeoKettle: a powerful open source spatial ETL tool <i>Dr. Thierry Badard</i>
1100 - 1130	MapServer project status report <i>Daniel Morissette and Jeff McKenna</i>	Beyond press Ctrl-P in web map printing <i>Jan De Moerloose</i>	Introduction to deegree iGeoDesktop <i>Hanko Rubach</i>	How to Cope with GeoSpatial - introduction to GeoTools for the Java developer <i>Jody Garnett and Michael Bedward</i>	Using OGC standards to link BI and spatial <i>Andy Meehan</i>
1130 - 1200	GISVM, the ultimate tool for teaching FOSS4G <i>Ricardo Miguel Moreira de Pinho</i>	Styling with SLD, or how I learned to stop worrying and love XML <i>Mike Pumphrey</i>			Maps and BI for large organizations <i>Michèle Laflamme and Philippe Grégoire</i>
1200 - 1300	Break	Demo Theatre	Break		
1300 - 1330	<u>Parkside Auditorium</u>  Extension to Geoserver for reading ESRI Mapcaches <i>Pär Jonsson and Mauritz Bomark</i>	<u>Parkside 110A</u>  OCEAN Toolkit: incorporating local knowledge into marine spatial planning <i>Tim Welch</i>	<u>Parkside G02</u>  JGrass, present and future <i>Andrea Antonello, Silvia Franceschi and Riccardo Rigon</i>	<u>Parkside G03</u>  GeoShield: a server side user permissions management to OGC services <i>Massimiliano Cannata</i>	<u>Parkside G04</u>  How to create a web 2.0 mapping with MapFish development framework <i>Cédric Moullet</i>
1330 - 1400	GeoServer application schema support: complex features for the masses <i>Ben Caradoc-Davies</i>	MarineMap: participatory marine protected area design using a web-based open source tool <i>Chad Burt</i>	JGrass-uDig's sense of climate change <i>Silvia Franceschi, Andrea Antonello and Riccardo Rigon</i>	Shared Land Information Platform (SLIP) Enabler: leveraging public/private partnerships <i>Kylie Armstrong</i>	Building a web mapping application with GeoExt <i>Andreas Hocevar and Cédric Moullet</i>
1400 - 1430	GeoServer in production <i>Andrea Aime</i>	Visualising animal movements in 'near' real time <i>Ben Madin</i>	Challenges and possibilities of Mobile GIS: perspective from a developing country <i>Nimalika Fernando</i>	The use of free and open source software for spatial data catalog in Indonesia <i>Dr. Dewayani Sutrisno</i>	Web GIS: from Javascript to GWT <i>Pieter De Graef</i>
1430 - 1500	Break	Demo Theatre	Break		
1500 - 1530	WMS Shootout <u>Parkside Auditorium</u>				
1530 - 1600	CCIP Panel <u>Parkside Auditorium</u>				
1600 - 1630	Conference Close and Sol Katz Award <u>Parkside Auditorium</u>				

**Demo Theatre  
Detailed Program**

Time	Wednesday	Thursday	Friday
<b>Morning Tea</b>			
1005 - 1015	CLOSED	<b>BIRT with Australian Business Atlas</b> <i>Roderick Ross (InterGeo)</i>	<b>AuScope portal w/ application schema</b> <i>Ben Caradoc-Davies (CSIRO)</i>
1015 - 1025	CLOSED	<b>BIMserver CityGML</b> <i>Léon van Berlo (bimserver.org)</i>	<b>Hands on INSPIRE</b> <i>Rob Atkinson</i>
<b>Noon Break</b>			
1205 - 1215	<b>Leveraging OGC capabilities of ArcGIS server</b> <i>Simon Hope (ESRI Australia)</i>	<b>MapSherpa</b> <i>Michael Adair (DM Solutions Group)</i>	Live DVD
1215 - 1225	<b>NuMaps</b> <i>Brad Spencer (NuMaps)</i>	<b>Geoportal application of Rhineland Palatinate</b> <i>Arnulf Christl (WhereGroup)</i>	Live DVD
1225 - 1235	<b>QGIS/Grass/Python</b> <i>Bishwarup Banerjee</i>	<b>Hobedata - WebGIS based hydrological data platform based on pure open source</b> <i>Till Adams (terresris GmbH &amp; Co KG)</i>	Live DVD
1235 - 1245	<b>DOHA with Cognos BI and GeoServer</b> <i>Andy Meehan(InterGeo)</i>	<b>CCIP deegree interoperability demo</b> <i>Hanko Rubach (lat-lon)</i>	Live DVD
1245 - 1255	<b>Mobile OSM upload</b> <i>Terry Collins (Mokbee)</i>	<b>GeoJSON interleave with MapnikRobert Coup</b>	Live DVD
1255 - 1305	<b>Orfeo Toolbox</b> <i>Emmanuel Christophe (orfeo-toolbox.org)</i>	<b>MapFish Applications</b> <i>Cedric (CampToCamp)</i>	Live DVD
<b>Afternoon Tea</b>			
1435 - 1445	<b>Integration of OGC SWE Data in ArcGIS (52North/ESRI)</b> <i>Bastian Schäffer (52North)</i>	<b>Introducing GeoScript</b> <i>Tim Schaub (OpenGeo)</i>	<b>GRASS</b> Clara Tattoni(Università degli studi di Trento)
1445 - 1455	<b>TERENO sensor data with OS Stack</b> <i>Till Adams (terresris GmbH &amp; Co KG)</i>	<b>Drupal Open Layers PostGIS for indigenous communities</b> <i>Charles Burnett (www.geomemes.com)</i>	<b>OpenGeo Suite</b> <i>Mike Pumphrey (OpenGeo)</i>