



OSGeo Journal

Volume 6 - September 2010



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FOSSAG 2011 USA Denver! You There! See You 2010 Official Visitors Guide

More information coming soon...



LIKE AN EGYPTIAN

with King Tut at the
Denver Art Museum
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July 1, 2010 –
January 2, 2011



JULY 10 A "WESTERN HEMIS-FAIR"

of art, culture and
music at the Biennial
of the Americas
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July 1 – July 31, 2010

From the Editor...

by Tyler Mitchell

Welcome to the first edition of the OSGeo Journal for 2010! As a good kick-off to the new year this volume takes a few different perspectives on software development and design. Naturally the various issues related to typical development projects applies quite well to our open source geospatial specific interests. The articles cover a range of topics from a review of various software to a discussion of user-centered design. Along the way you'll also get to read some more technically meaty articles and some perspective pieces.

Each volume of the Journal takes several months of concerted effort by many individuals. Landon Blake played a lead editorial role in getting this vol-

ume pulled together so you can read it - thank you Landon! It's always a pleasure to have more section editors, LaTeX masters and reviewers come to help. Thank you to all the volunteers.

With our new online management system, any potential article can be submitted at anytime by simply filling in a form at <http://osgeo.org/ojs>. As well, over the next couple of months keep one eye open for the OSGeo 2009 Annual Report. Get your articles in soon if you have not already. Enjoy the articles!

Tyler Mitchell

Editor in Chief, OSGeo Journal

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Volunteer Recognition

The OSGeo Journal is written, edited, and published by volunteer members of the OSGeo Foundation. This journal would not be possible without the hard work and dedication of our volunteers.

We would like to recognize the hard work of the following volunteers on Volume 6 of the OSGeo, and want to give them our sincere thanks for their efforts.

Daniel Ames



Dr. Daniel P. Ames is an Associate Professor of Geosciences at Idaho State University, Idaho Falls, Idaho, USA. He directs the Geotechnolo-

gies graduate program which offers MS and PhD degrees in Geographic Information Science and Engineering and Applied Science, respectively.

His research program is centered on the open source MapWindow GIS project (www.MapWindow.org), integrated environmental modeling (www.iemHUB.org), and hydroinformatics (www.HydroDesktop.org) under funding from the US EPA, NOAA, NASA, DOE, FEMA, and various commercial entities. He can be reached by e-mail at amesdani@isu.edu.

Landon Blake

Landon Blake is a licensed land surveyor interested in the intersection between GIS and land surveying. He is an advocate of open source software and open technology standards. He is a charter member of the OSGeo and a volunteer programmer and administrator of the JUMP Pilot Project.



Scott Mitchell

Scott Mitchell is co-director of Carleton University's Geomatics and Landscape Ecology Research Laboratory in Ottawa, Canada, and an Assistant Professor in Carleton's Department of Geography and Environmental Studies. His



research is directed at spatial analysis in support of environmental decision making, especially in agricultural and protected landscapes. Open source geospatial software and open standards provide valuable tools to enable his group's work, as well as transparent and accessible means to develop and share new algorithms and datasets. The lab's web site is <http://www.glel.carleton.ca>, and Scott can be reached at scott.mitchell@glel.carleton.ca.

Tyler Mitchell



Tyler Mitchell is the Executive Director of the Open Source Geospatial Foundation (OSGeo) and Editor in Chief of the OSGeo Journal. He serves on OSGeo committees, speaks regularly at events and works closely with members to further the OSGeo

mission. His book, *Web Mapping Illustrated* (O'Reilly, 2005) was one of the first books addressing open source mapping technologies, in particular MapServer, PostGIS and GDAL/OGR.

Barry Rowlingson

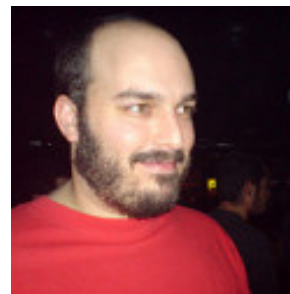


Barry Rowlingson is a Research Associate in the School Of Health and Medicine at Lancaster University in the UK. His research is in the field of spatial statistics, mostly applied to disease outbreak modelling and prediction. He has contributed to several open-source projects, most notably the R statistical software system

and Quantum GIS.

Jorge Sanz

Jorge Sanz is a consultant in Geospatial technologies at Prodevelop (Valencia, Spain). He received education and training in surveying, cartography and geodesy at the Polytechnic University of Valencia.



Nowadays he is the coordinator for the gvSIG Technical Steering Committee and is in charge of the incubation process of gvSIG at OSGeo. He is a Charter Member of the OSGeo Foundation, a member of the OSGeo Incubation Committee and serves on the Board of Directors of the Spanish language Local Chapter of the OSGeo Foundation.

Micha Silver

Since 1996 Micha Silver has been doing network administration and GIS consulting for local government organizations in the Arava region of Israel, including the Arava Drainage Authority and the Dead Sea Arava Science Center. In day-to-day work he uses a mix of proprietary and open source software.



Zachary Woolard

Zachary Woolard has a B.S. in Applied Geography. He has worked for six years in both government and private sector jobs, doing a little bit of everything along the way. His primary interests are open data standards,



OSGeo in local government, and learning ev-

erything he can about databases, both open and proprietary.

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Acknowledgements

Various reviewers & writers

The *OSGeo Journal* is a publication of the *OSGeo Foundation*. The base of this journal, the $\text{\LaTeX} 2_{\epsilon}$ style source has been kindly provided by the GRASS and R News editorial boards.



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OSGeo Homepage: <http://www.osgeo.org>

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ISSN 1994-1897



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