

# 2007 Annual Report

## Open Source Geospatial Foundation



***OSGeo Journal***  
***Vol. 4 / August 2008***  
***Special Edition***

**Contents of this volume:**

<b>Executive Reports</b>	<b>3</b>	<b>Local Chapter Reports</b>	<b>35</b>
OSGeo in 2007 . . . . .	3	Africa Local Chapter . . . . .	35
News Items from 2007 . . . . .	4	Australia/New Zealand . . . . .	36
Finance Committee . . . . .	5	Brazil . . . . .	36
<b>Committee Reports</b>	<b>6</b>	British Columbia, Canada . . . . .	37
Education and Curriculum Committee . . . . .	6	California, USA . . . . .	37
Public Geospatial Data Committee . . . . .	9	China . . . . .	38
Incubation Committee . . . . .	10	Francophone . . . . .	38
Journal . . . . .	11	German . . . . .	40
Marketing Committee . . . . .	12	Greek . . . . .	41
Systems Administration Committee . . . . .	13	India . . . . .	42
Website Committee . . . . .	13	Italiano . . . . .	45
<b>Software Project Reports</b>	<b>14</b>	Japan . . . . .	46
FDO – Feature Data Objects . . . . .	14	New Mexico, USA . . . . .	47
GDAL/OGR . . . . .	16	Ottawa, Canada . . . . .	47
GeoNetwork opensource . . . . .	17	Romania . . . . .	48
GEOS . . . . .	18	Spanish . . . . .	50
GeoTools . . . . .	18	Taiwan . . . . .	51
GRASS GIS . . . . .	19	Twin Cities, USA . . . . .	52
gvSIG . . . . .	20	United Kingdom . . . . .	52
Mapbender . . . . .	23	<b>Sponsors (2007)</b>	<b>54</b>
Mapbuilder . . . . .	24	Autodesk . . . . .	54
MapGuide Open Source . . . . .	26	INGRES . . . . .	55
MapServer . . . . .	27	INPE . . . . .	55
OpenLayers . . . . .	27	1Spatial . . . . .	56
OSSIM . . . . .	29	First Base Solutions . . . . .	56
Quantum GIS . . . . .	30	LizardTech . . . . .	57
		WhereGroup . . . . .	57

Thank you to our 2007 Foundation Sponsors

**Autodesk**

**INPE**  
MINISTERIO DA CIÊNCIA E TECNOLOGIA  
 INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

**INGRES**

**LIZARDTECH**  
a celartem Company

**1Spatial**

**FIRSTBASESOLUTIONS**

**WhereGroup**

---

## Local Chapter Reports

---

### Africa Local Chapter

**Period covered by report:** Jan-Dec 2007

**Contact name:** Gavin Fleming

#### Key Accomplishments

- Won the bid to host [FOSS4G 2008](#) in Cape Town, South Africa, from 29 Sept to 3 Oct.
- Kept the Africa mailing list<sup>60</sup> going - standing at 178 members. It was quite active during the year with amongst other topics several FOSS GIS courses announced in East and South Africa.

#### Opportunities to Help

- Come to [FOSS4G 2008](#)! Present a workshop or paper! Help with organisation! Sponsor!
- Help with Africa chapter formation processes

- Offer courses, training, support generally for FOSS GIS in the region as much capacity building needs to take place with the South African government having adopted a FOSS policy.

#### Outlook for 2008

- [FOSS4G 2008](#) is going to be a fantastic event, make sure you're there!

This year I hope to go through the formalities of launching the Africa Chapter, which till now has been an informal grouping. There's no reason it has to be an Africa Chapter and not several regional or local chapters, but perhaps an Africa one is best to start, then local or language based ones can hive off when they get critical mass.

---

<sup>60</sup>Africa mailing list: <http://lists.osgeo.org/mailman/listinfo/africa>

# Australia/New Zealand

**Period covered by report:** Jan-Dec 2007

**Contact name:** Tim Bowden

## Key Accomplishments

- Prepared a successful bid to host FOSS4G in 2009.
- Generated interest in OSGeo and FOSS4G in Government, Industry and the Australian Open Source Community.
- Presentation and booth at linux.conf.au, Sydney, January 2007.
- Booth at Spatial Sciences Institute International Biennial Conference, Hobart, May 2007.
- Presentation and booth at GITA 2007 Geospatial Infrastructure Solutions Conference, Brisbane, August 2007.
- Presentation to Victorian Department for Primary Industries Spatial Sciences Workshop, Melbourne, September 2007.
- Obtained legal advice on best structure for incorporation as a non profit organisation. This proposal has been endorsed by members of the Chapter.

## Areas for Improvement

- We need to develop protocols and processes to ensure smooth running of the chapter.

## Opportunities to Help

- Assist with the planning and preparation for FOSS4G 2009.
- Offers of Patronage will be greatly appreciated.

## Outlook for 2008

- Incorporate OSGeo Australia / New Zealand as a not for profit organisation.
- Seeking Patronage to ensure the future of the chapter.
- Advocacy to spread the word of the quality FOSS4G software available.
- Planning and preparation to ensure an outstanding FOSS4G 2009.

# Brazil

**Period covered by report:** Jan 2007 - March 2008

**Contact name:** Rafael Medeiros Sperb

## Key Accomplishments

### Third Brazilian Mapserver Users' Meeting - ENUM

This meeting was held in May 2007, in the auditorium of the Federal Government Palace, in Brasilia.

**Public Audience of e-PING** This meeting was held in Sept 2007, in the auditorium of the Ministry of Health, in Brasilia.

## Areas for Improvement

- OGC WMS and WFS recommendation.

- [I3GEO](#) is now distributed under [Creative Commons License](#).

[I3GEO Demo - Download](#)

## Opportunities to Help

- OSGeo members can support local initiatives for organizing the Brazilian Chapter.
- We seek help for organizing all documentation to request I3GEO incubation under OSGeo.

## Outlook for 2008

- Fourth Brazilian Mapserver Users' Meeting - ENUM.

# British Columbia, Canada

Period covered by report: Jan-Dec 2007

Contact name: Martin Kyle

## Key Accomplishments

- Held initial meeting of unofficial OSGeo chapter to gauge interest
- Twenty-two people in attendance linked across two geographies (Vancouver and Victoria)
- Democratically established direction for local chapter charter
- Setup Local Organizing Committees to individually plan alternating meetings for each location.
- Submitted charter and received official approval of local chapter

## Areas for Improvement

- So new...nothing, everything.
- Probably need to relax Robert's Rules of Order a bit

## Opportunities to Help

- Talked about organization of Prince George (and other) group to link into the BC meeting.
  - Any interested people in that area with a Video Conference link could join in with Vancouver and Victoria.
- Presentation ideas welcome
  - Currently focused around two streams: application and technical

## Outlook for 2008

- Meetings held quarterly
- Presentations and project ideas to gel the community have begun.
- First real presentation-based meeting to be held February 29, 2008.
- Project possibilities include live demo and outreach program.

# California, USA

Period covered by report: Jan-Dec 2007

Contact name: Landon Blake

## Key Accomplishments

- Mailing list established for proposed chapter.
- Temporary incubator website for the chapter created [here](#)<sup>61</sup>.
- Alex Mandel and Landon Blake explored the possibility of an OSGeo Booth at the California Geography Society meeting in Chico, California, in May 2008

## Areas for Improvement

- Possibility of splitting proposed chapter into sub-chapters because of the size of the state.

## Opportunities To Help

- Coordinate and support OSGeo Booth at California GIS Conferences
- Coordinate OSGeo ambassadors to GIS related organizations in California. (Examples: California URISA Chapters, California Land Surveyors Association)
- Forward movement on any of the proposed chapter goals listed [here](#)<sup>62</sup>

## Outlook for 2008

- Formation of California Chapter unlikely until support from interested members increases.

<sup>61</sup>Chapter incubator site: <http://www.redefinedhorizons.com/calosgeo/>

<sup>62</sup>California Chapter wiki: <http://wiki.osgeo.org/wiki/California>

# China

**Period covered by report:** Jan-Dec 2007

**Contact name:** Gao Ang

## Key Accomplishments

- Held regular meeting of OSGeo China chapter.
- Put forward the activities of OSGeo China such as giving lectures for the Chinese University students.
- Modify GRASS commands for data processing and analysis to C-API functions.
- Build another GRASS GUI for Linux and Windows based on QT using C-APIs, similar to QGIS and ArcMAP.
- Research and analysis Ingres database and try to enhance spatial extension.
- Start open source project JavaPWS to implement the OGC-WPS Specification.
- Publish three [articles](#) about Open Source GIS at <Programmer> magazine in Chinese.
- Google Group [Mail List](#) for OSGeo China Members.

## Areas for Improvement

- We should organize open party for the technical discussion.

- We should introduce OSGeo in more areas as meetings, magazines and events.
- We should make contact with other Asian countries related with OSGeo.
- Add useful content to [OSGeo China](#) website.

## Opportunities to Help

- We are looking for more opportunities for cooperation and communication.
- Encourage more people to join the OSGeo China mailing lists.
- Make contribution for local open source projects related with GIS.

## Outlook for 2008

- Improve our presence in China, especially during the Beijing 2008 Olympic Games.
- Formalize the OSGeo China Local Chapter.
- Publish more articles in magazines related with Free GIS.
- Make plans to give lectures for university students.

# Francophone

## French-speaking Language Local Chapter

**Contact:** Yves Jacolin, Chapter President

**OSGeo-fr Board:** Gwenael Bachelot, Vincent Picavet, François Van Der Biest

## Introduction

This report summarises the actions undertaken by the Francophone Local Chapter and milestones achieved during year 2007. It covers the period from January to December 2007.

The "Francophone" mailing list has been created in October 2006. First tangible actions have been initiated

at the beginning of 2007 and have dealt with the organization of the Local Chapter. At present, the Francophone Local Chapter is close to adopt a legal representation as an official French association with legal status. It will make contribution to the GFOSS French-speaking community easier.

## 2007: creation of the Francophone local chapter

With the creation of the Francophone mailing list a large number of interested people in organising a local chapter to promote GFOSS in French language has been gath-

ered. Year 2007 was dedicated to the organisation of the local chapter and to make it an official OSGeo local chapter. Several points have thus been addressed and numerous questions had to be answered:

- Definition of the local chapter structure and its organisation: definition of a steering board and of sub-committees in charge of thematic and specific aspects, election of board members, internal rules, membership, etc.;
- Clear and consensual definition of the goals of the local chapter;
- Definition of the communication processes through the wiki;

It was not an easy task but guidelines and help provided by the OSGeo have contributed to achieve it in a reasonable amount of time. Indeed, most of the questions or problems the Francophone local chapter has faced were the same for all other OSGeo representations. So answers were often very similar. The Francophone local chapter is now organized in three sub-committees. They respectively deal with "free organization", "free data" and "free software". A steering board with 4 persons has been elected in 2007 for a one year mandate. The board manages the Francophone Local Chapter projects. For time-consuming projects and specific questions, a dedicated manager can be assigned by the board. He or she is selected among volunteer active members of the mailing list. In September 2007, the OSGeo Board has accepted the proposal for the creation of a Francophone Local chapter. It is now an official local chapter of OSGeo.

In 2007, actions have mainly focused on increasing OSGeo visibility in Francophone countries, aka marketing missions. Two projects have thus been carried out: 1) important participation and communication in two major geospatial tradeshows (GeoEvenement 2007 and GeoTunis 2007) where several presentations about OSGeo, OSGeo-fr and OSGeo projects were given and information was provided to a large number of participants; 2) the translation of the OSGeo journal. The first two volumes of the OSGeo journal have been translated and are now published. They can be downloaded from the OSGeo Journal home page. In addition, all the news and approximately half of the web site have been translated in 2007.

Participation in the 2008 edition of the GeoEvenement tradeshow is planned and the organisation of a

more important open source village than the one set up during the 2007 edition is anticipated. The number of conferences given during this tradeshow should increase too.

## 2008: one year to improve our organization

Year 2008 will be dedicated to the creation of a legal representation (as a French association with legal status) for the OSGeo Francophone local chapter. Such a legal organisation will help to manage sponsorship, to organize various events in the name of a legal entity, etc.

We would also like to improve our internal working, decision and communication processes, by creating dedicated working groups on specific subjects such as translation, event organization, sponsorship, and so on.

A list of possible actions to carry out in 2008 has been initiated. It will be submitted to a consultation and a vote in order to prioritise actions to be undertaken. The result will define the roadmap of the local chapter during year 2008!

## Conclusion

As aforementioned, many actions are planned for year 2008. It demonstrates the increasing involvement of the local chapter to promote geospatial FOSS and free data. The local chapter will thus:

- participate to GeoEvenement 2008 (the major geospatial tradeshow in France) and will organise a more important open source village than the one set up during the 2007 edition of this conference;
- try to organise a Francophone FOSS4G conference, in France;
- work on free data opportunities;
- perform further translations in addition to continuing the translation of the OSGeo journal on a regular basis;
- initiate new exciting projects to promote free and open source software and data in the French language.

*Written by Francophone Chapter Members*

<http://wiki.osgeo.org/index.php/Francophone>

# German

## German-speaking Language Local Chapter

The main focus of the vocal bits of the German language OSGeo community has been to spread word and promote GIS and WebGIS solutions with Free Software.

## Key Accomplishments

The most appropriate way to accomplish this over the last years was to organize and take part in events. In 2007 we had various of them:

### FOSSGIS Konferenzen

The German language Open Source GIS community meets at the FOSSGIS conference. It is the largest annual conference focusing on FOSSGIS and sees growing numbers of attendees every year.

### OSGeo Park at the Intergeo

The Intergeo is the largest recurring GIS event, trade show and congress in Europe attracting more than 10k people. The OSGeo Park hosts a presentation forum for users, free-of-cost booths for OSGeo projects and is funded by FOSSGIS companies exhibiting. It is a perfect example of [Coopetition](#). Get some impressions from the [Intergeo 2006 Report](#).

- OSGeo operated the Open Source Park of the Intergeo together with the Hinte-Messe GmbH, organizer of the exhibition and conference.
- With an exhibition area of 30 by 20 meters the OSGeo Open Source Park was one of the largest booths at the fair.
- Focus of the Intergeo trade show is clearly business and end customer oriented.
- Of the 16,000 Intergeo visitors several thousand made it to the OSGeo sector to pick up info sheets and listen to presentations.
- Those who wanted to get more detailed information talked to the booth staff of about 30 people from all areas of IT and FOSS GIS business.

### The Open Source-Day at AGIT

- This event is focused more on scientific attendees and has a strong academic foundation.

- The recurring special seminar focusing on Free and Open Source Software methodologies in the spatial context is in its fifth year now.

### OSGeo presence at the LinuxTag

- 2006 was the first public appearance of OSGeo in Germany
- 2007 saw the joint effort together with the GAV eV.
- OpenStreetmap presented on the OSGeo booth

What else did we do?

- Create info sheets for OSGeo projects and translate them to English
- Start translation of the OSGeo Homepage to German
- Lots of presentations and articles focusing on FOSSGIS and business models
  - publishing articles like [OSGeo at GIS BUSINESS - GIS Business Magazin](#)

## Areas for Improvement

The FOSSGIS community in Germany is quite heterogeneous and reaching consensus is a long process with frequently more or less fruitful discussions on various topics. One reason may be, that the history of Free Software in Germany goes back quite a long time - well before OSGeo came into existence. Some initiatives still have sensitivities and face problems in sharing the role of Free Software promoters with others.

## Outlook for 2008

Events, conferences ([FOSSGIS 2008](#), [AGIT 2008](#), [LinuxTag 2008](#), [Intergeo OSGeo-Park 2008](#)). Eventually we would like to have an organization that is well embedded into OSGeo but also has a local focus to be able to collect funding from European grant programs and the public administration. Currently it is not possible for the public administration to fund OSGeo directly. Whether "OSGeo Local Chapter" is an appropriate terminology is one of the ongoing sensitivities.



# Greek

## Greek Language Local Chapter

**Period covered by report:** Nov-Dec 2007

**Contact name:** Dimitris Kotzinos

The OSGeo Greek Local Chapter was initiated only in November 2007. So we cannot really speak on accomplishments but we are mainly happy that the effort has received a lot of recognition and (only vocal for the moment) support.

## Key Accomplishments

### 1-Day Workshop on FOSS GIS

*23rd of November 2007, Athens, Greece*

The participation in this event was overwhelming. Instead of the expected participation of 60 people, a mere crowd of 160 was gathered to attend a rather unpublicized event.

## Areas for Improvement

We still do not have the participation in OSGeo I expected when the effort was started about 3 months ago. We need to intensify the efforts to increase the membership and the overall awareness.

We also need some more media catching events. We are working on ideas on that but the limited to non existing resources are always a big barrier to overcome.

## Opportunities to Help

In the future we will definitely need some speakers for national FOSS or just simple GIS events.

We would also like to demonstrate some cases of successful use of FOSS GIS by the public sector to local government officials.

We would like to plan some demo classes on FOSS GIS for students in universities integrated them in there curriculum in order to show that we can achieve the exact same educational result.

## Outlook for 2008

We plan to organize a special session on the national GIS conference (HellasGI 2008).

We also plan to organize a local web site (either standalone or as tightly integrated part of the OSGeo, this remains to be decided) that will provide access to free local data and translations of manuals of FOSS software in the Greek Language.

We also plan to have at least two more special events, depending on availability and funding.

We would also be very interested in having the ability to apply for funding as a chapter/organization and we would like to seek help/information from other local chapters that do or plan to do the same.

# India

**Period covered by report:** Jan 2007 - Feb 2008

**Contact name:** [V.Ravi Kumar](#), Co-Chairman events OSGeo-India

## Key Accomplishments

### Events of OSGeo-India

#### January 2007

The OSGeo-India was officially born with its very first OSGeo workshop held at the Map World Forum, Hyderabad 22-25th January 2007. This well attended event was also participated by OSGeo delegates from China, Vietnam and Japan. Since then popularising Open Source GIS was its main thrust through various, lectures, Workshops and exhibitions.

#### February 2007

**National Conference on Biodiversity Conservation and Human Well-Being** was organized by Department of Zoology, Osmania University and co-sponsored by SACON Deccan Regional Station, Hyderabad. The conference was held at Osmania University during February 8-10, 2007. SACON conducted a workshop on Wetland Informatics. It was aimed to address some of the issues related to spatial information generation, processing and data base design, dissemination and software development. In this workshop SACON presented Wetlands of India's website and it's future with the extensive use of FOSS tools. V.Ravi Kumar, of OSGeo India Chapter presented about the various FOSS4G's GIS software and their use taking the City of Hyderabad as an example. Prof K.S.Rajan, treasurer of OSGeo India chapter also actively participated in the proceedings. P.K.Sinha and A.V.Satya Kumar demonstrated FOSS GIS by showing OpenJUMP and it's user-friendly capabilities in performing vector GIS tasks like onscreen digitization of raster images to shape file with attribution.

#### March 2007

**National Convention On Free Software**, 3rd - 4th of March 2007, Hyderabad, Andhra Pradesh included a session on 'Geospatial data'. Dr K.S.Rajan, and V.Ravi Kumar of OSGeo-India chapter, presented 'OSGeo philosophy', and Open Source GIS alternatives respectively,

which was attended by Free Software Foundation (FSF) enthusiasts from around the country.<sup>63</sup>

**Society of Geoinformatics Engineering at Anna University, Chennai**,<sup>64</sup> conducted a two-day Geohorizon 2007 symposium (16-17 March 2007). There were four participants from OSGeo India chapter two on each day. Sri Neeraj Deekshith of Autodesk India and Santosh Gaekwad of SACON Hyderabad, presented use of Open Source Geospatial software in their organisations. Mr V.Ravi Kumar, and Mrs Mahalakshmi Narayanan presented 'Open Source GIS Galore', and 'Open Source GIS for web-services' respectively. Santosh Gaikwad presented the use of GeoServer for internet mapping of Wetlands of india. He delivered the SACON's experience while studying GeoServer- a open source server for Web-GIS. Use of uDig and GeoServer for publishing vector or raster maps onto web by storing the spatial data into PostGIS was demonstrated.

#### May 2007

On 11th May 2007 a one day OSGeo-India workshop was held at, '**GIS Development**', Noida (Delhi) with participants from the Indian geospatial community. They represented organizations like National Remote Sensing Agency, Centre for Development of Advanced Computing (CDAC), Tata Consultancy Services (TCS), MapInfo, Adroitec, GIS Consortium, Eicher, 5Map, Infosys, Autodesk, National Institute of Health and Family Welfare, and Bharti Vidyapeeth's Institute of Computer Applications and Management (BVICAM). The workshop was opened by OSGeo-India representative Dr P.S.Roy, with an opening remark that, "GIS has emerged as an important technology tool. GIS initiatives need to be upscaled in terms of outreach and this is where OSGeo comes into play." One of the most important objective, from an Indian context, is to convert the free GIS tools like GRASS and MapServer in vernacular languages to form a large interest group. Dr. Roy also elaborated upon some of the noteworthy initiatives taken by organizations in India in the open source domain. V.Ravi kumar, who spoke about various FOSS GIS like GRASS, Quantum GIS, UDIG, Open Jump available today. The demonstration on 'Locating a Nuclear Power Plant', using Open Jump, was not only interesting but also testified how FOSS GIS can be equally useful as commercial GIS software. Ravi Kumar also talked

<sup>63</sup>Convention site: <http://www.swecha.org/node/29>

<sup>64</sup>Society of Geoinformatics blog: <http://societyofgeoinformaticsengeers.blogspot.com/index.html>

in length about utility of FOSS GIS in India. The most pertinent point raised by him was that FOSS GIS is cost effective and can, therefore, become popular in a developing country like India. It can also provide employment through promotion of Village Cadastral GIS where all that one spends on, is a branded computer (available for less than Rs.20,000), as no cost is incurred on the software because it is, free and open. Sridhar Saraswati of Autodesk India, also gave a presentation, which answered a vital question- why is Autodesk supporting free and open source software? The reason is that firstly, Autodesk wants a broader adoption of Internet mapping technology and secondly, FOSS would create higher demand for related products. It would also be beneficial for the customers as the frequency of software releases will increase, cost of ownership will come down and there will be more innovation and support for standards. Satyajit Rath from CDAC, Noida presented 'CDAC's Initiatives on Open Source GIS'. 'Geospatial Convergence with Open Source' was presented by Amit Jain, of Infosys. The workshop came to an end with the closing remarks by Dr. P.S Roy. He expressed hope that "commercial software should invest in open source to make it a win-win situation for all."

#### June 2007

The OSGeo-India chapter has conducted its **1st Capacity building 3 day workshop** from 26th to 28th June 2007 at Salim Ali Centre For Ornithology & Natural History (SACON) Hyderabad. The workshop was attended by -18- participants from NIC, NRSA, IIIT, Spec Systems, Army and Survey of India. All the participants were conversant with commercial GIS software and were eager to acquaint with FOSS alternatives. The 1st day included demonstration and hands-on practice with OpenJUMP GIS and map composition through Inkscape. The 2nd day was devoted to ILWIS GIS through raster analysis and generation of stereo pair and 3D visualization. The 3rd day was for using GRASS GIS for network analysis and creation of 3D visualisation and fly-by. The participants were shown how one can join the OSGeo as a member and help spread the awareness. The resource persons were from Geological Survey of India.

#### July 2007

A two hour lecture/demonstration of '**Open Source GIS GALORE**', was presented by V.Ravi Kumar to the students of Geoinformatics post graduation course Nannaya University, Rajahmundry on 3rd July 2007. GRASS GIS and OpenJUMP were demonstrated using sample

data. The students who could interact well in the question and answer session were presented GRASS 6.2 Live CDs.

#### October 2007

##### **Geology department, University of Rajasthan, Jaipur**

A knowledgeable crowd of students and research scholars and faculty members attended the Lecture/demonstration. Prof Pandith, the Head of the Department took keen interest in arranging the event.

#### November 2007

##### **Geology department, Karnataka University, Bangalore:**

A very satisfying event was arranged by Prof K.L.Narahari Rao with a crowd of students and research associates showering the Lecture/demonstration, with a very thought provoking interaction. The faculty were explained the catch-22 situation to be solved for Open Source GIS by taking various projects for implementation, thus popularizing the approach and paving the way for job opportunities.

##### **INCA XXVII (Indian National Cartographers association) International Congress, Visakhapatnam**

The two day congress 21 to 23 November 2007, included a well attended exhibition with an OSGeo-India booth. The booth with attractive posters and live demonstration through an LCD projector was a big crowd puller. OSGeo-India booth distributed Open Source Geospatial software and GRASS GIS Live CDs to all those who have answered the OSGeo quiz and have given details of their email-Id and, how they intend to involve in the initiative. Specific demonstration of GRASS, OpenJUMP and QGIS were given to the interested visitors. By all accounts, OSGeo India's booth was the most visited in the entire exhibition, with participants seen eagerly penning the Quiz and receiving the OSGeo India CDs.

##### **Civil Engineering Department, Gayathri Vidya Parishad, Visakhapatnam**

A very well attended "Demystifying GIS, OSGeo-India One Day workshop", was arranged by Prof Veerabhadra Rao of Civil Engineering Department. The event started with a conference of the faculty and OSGeo-India representatives where in several forthcoming GIS based projects for the city of Visakhapatnam were discussed. A very well furnished computer class room was arranged for the workshop with researchers,

students and faculty eagerly attending and practicing Open Source GIS.

### January 2008

#### D.B.S.Post Graduate College, Dehradun

"Demystifying GIS, OSGeo-India One Day workshop" was arranged by Mr J.D.Badhe of D.B.S.College, Geology department, University of Uttarakhand. A knowledgeable crowd of students and research scholars and faculty members attended the event. Dr M.Sundaram, Dr Biyani, Dr Joshi, of the Department took keen interest in arranging the event. Two researchers Sangharsh Rao and Ranjana Singh proficient with Open Source GIS helped in the hands-on practice.

#### Guru Nanakdev Engineering College, Punjab University, Ludhiana

Professor H.S.Rai, an active OSGeo member and principal of the institution took keen interest in arranging "Demystifying GIS, OSGeo-India One Day workshop". The event started with a meeting of the faculty and students, where the purpose of the event was elaborated. A knowledgeable and enthusiastic crowd of students and faculty members attended the workshop. Researcher Sangharsh Rao proficient with Open Source GIS helped in the hands-on practice. A map of the G.N.E College provided was converted into GIS data during the practice session. A workshop kit and CDs specifically designed for the event by Prof. H.S.Rai were distributed to the participants.

#### Civil Engineering Department, IIT Rourkee

Professor Vasawa, Head of Department of Civil Engineering took keen interest in the well attended lecture cum demonstration. The participants who are experts in Geospatial software were very keen in learning about the details of Open Source GIS, vis a vis commercial GIS.

#### Naval Hydrographic office (NHO) Dehradun

Commodore Karnik of NHO, the premier organization bestowed with the responsibility of publishing Indian Maritime charts, took keen interest in arranging the Lecture cum demonstration. A very experienced crowd of Cartographers and GIS experts participated in the interaction with very thought provoking feed backs. The lecture was a truly great learning experience for OSGeo-India. Answering queries from the professional GIS and cartographic experts, Commodore Karnik, indicated the importance of using Open Source software quoting the first scientist president of India Dr Abdul Kalam.

### February 2008

#### Geology department, University of Lucknow

Prof Bhattacharya, Head of Department of Geology took keen interest in the well attended "Demystifying GIS, OSGeo-India One Day workshop". The event started with a general lecture explaining the importance of Open Source GIS. Dr Vibhuti Rai, arranged the hands on exercises in the computer lab. Researcher Sangharsh Rao an alumni of the university, proficient with Open Source GIS helped in planning the event and hands-on practice of exercises. The participants digitized a satellite imagery of the university region clipped from the wikimapia, and created suitable attribute information. Demonstration of GRASS GIS software was very keenly followed with hands on practice on their computer systems. The OSGeo Quiz was very enthusiastically answered, with the first few receiving the OSGeo CDs.

#### National Institute of Oceanography (NIO) Goa

A one hour lecture 'De-Mystifying GIS', was arranged as a 'Thursday-Lecture', with the consent of Dr Shetey, by Mr Suprith, researcher in physical oceanography. It is very encouraging to note that GRASS GIS is used by several researchers of the NIO.

## Areas for Improvement

OSGeo-India is helping in creation of GIS datasets for the parliamentary constituency of Rajahmundry town in Andhrapradesh. This will be a model for future endeavours where public at large can benefit from use of Open Source GIS, in Town planning, Sanitation, Analysis of School education etc.

OSGeo-India will conduct training in Open Source Geospatial software encouraging student and researchers in conducting lectures and workshops.

## Opportunities to Help

OSGeo Members can help in customising the Open Source GIS software such that the end user can work around to add data, query etc. with limited exposure. This will make the GIS data created sustainable. Customisation will include making a simple model for using a server (PostGIS) serving GIS data with customised front-end software like QGIS, OpenJUMP, etc. in India languages.

## Outlook for 2008

The GIS datasets being created for the town of Rajahmundry using Open Source GIS, Andhra Pradesh, will be a model for other municipal corporations to follow. The beneficiaries include Government as well as the stu-

dents of post graduation in Geoinformatics, of Nannaya University of the same town.

OSGeo-India wishes to encourage academic institutes teaching GIS to also adopt Open Source GIS by helping them providing resource persons from OSGeo-India.

# Italiano

## Italian Language Local Chapter

**Period covered by report:** Jan-Dec 2007

**Contact name:** Massimiliano Cannata

## Key Accomplishments

- "Back office"/administrative management
- Wiki, IRC, mailing list, web site (on Drupal) set-up and maintenance
- Production of howtos, help etc.....
- Created a debian.gfoss.it package
- GIS Certification - endorsed by ECDL Foundation, (The European Computer Driving License (ECDL) is the European-wide qualification demonstrating competence in computer skills.) - almost completed.
- Work on open geodata
  - Conversion to WFS of Italian place name database by the National Statistical Office (ISTAT)
  - Participation to petitions and license definition
- Support to OpenStreetMap mapping parties (Merano, Pavia, Arezzo, Perugia)
- Extension of contact network (OpenStreetMap, Italian PostgreSQL User Group, identification of almost 2000 recipients for monthly e-mail updates)
- Public relations
  - Presence in the media (radio - including a live interview from a major national station, journals, newspapers)
  - Developed presentation material (flyer, presentation layout, YouTube spot, gadgets)
- Started the population of the Italian web service on FOSS4G users (MapServer, GRASS, pmapper, etc.)

## Areas for Improvement

Try to set up a more effective decision-making process, with well-defined activity areas and teams.

## Opportunities to Help

Have OSGeo educational material, courses and tutorial for the different OSGeo projects. This in order to organize workshops at the Italian annual meeting and disseminate OSGeo products.

Have a task and priorities list of OSGeo expected outputs. Such a kind of list could be helpful to better coordinate the Local Chapter activities with the OSGeo goals and to focus the resources where are more needed.

## Outlook for 2008

### 2008 will be the year of promotion

In Feb. 2007 we started to set up the Italian association gfoss.it and we had to manage many administrative aspects. Then we worked on organization task, in order to set up rules and procedures (members, sponsors, site, etc.). In Sept. 2007, we became the "Italian official Chapter", approved by the OSGeo board.

The next year will be dedicated in promoting OSGeo projects trough Italian geocommunity and administrative offices.

### 2008 Italian OSGeo meeting

We are working to organize the first OSGeo/gfoss.it meeting, in addition to the traditional Italian GRASS user meeting.

## 2008 increase the number of members

In 2007 we had a continuous positive trend in members subscription (with a fee currently set at 30 Euro).

Currently members are about 25% of the Italian gfooss.it mailing list users: in the next year we hope to reach a 50%

# Japan

**Period covered by report:** Jan-Dec 2007

**Contact name:** Toru Mori

## Key Accomplishments

- Held the 2nd annual conference in November in Osaka, attended 70 active people. Invited Tyler Mitchell to give them a speech and promoted OSGeo. Markus Neteler, Lorenzo Becchi, Geoff Zeiss and Schuyler Erle were also invited and gave speech.
- Tokyo meeting was held in the following week with 60 attendants. Tyler Mitchell and Schuyler Erle gave speech.
- Launched local website in Japanese language in November, financially sponsored by local companies such as Autodesk Japan, Ouyougijyutsu and Orkney.
- Promoted OSGeo activities at OSC (Open Source Conference) Spring in Tokyo (March 2007).
- Promoted OSGeo activities at GIS seminar held by Ouyougijyutsu in Osaka (November 2007).
- Organized local board committee with 5 most ac-

tive members.

## Areas for Improvement

Keeping regular activities without enough financial and human resources is always challenging.

## Opportunities to Help

- Join and express your opinions to our local mailing lists.
- Contribute us translated materials of OSGeo.org pages.
- Become sponsor of the Japan Chapter and support local activities in financial.

## Outlook for 2008

- Enrich the local OSGeo web site.
- 3rd annual conference (TBD).
- Organize off line activities such as face to face meetings.

# New Mexico, USA

**Annual Report:** Jan-Dec 2007

**Contact Name:** Zack Stauber

## Key Accomplishments

- Chapter was founded with seven members
- Local web site was set up [New Mexico OSGeo](#)<sup>65</sup>
- Areas of focus were defined:
  - User support group for New Mexicans and attendees of the [New Mexico Geographic Information Council](#) (NMGIC)<sup>66</sup> semiannual meetings
  - Authoring of software needed by members
  - Hosting of existing projects with no home

Beta of Metadata Manipulator for populating large amounts of metadata was written, being tested on new topographic data acquired in New Mexico and aerial photography acquired in Texas.

Python scripts for cataloging data hosted by the [Resource Geographic Information System](#) (RGIS)<sup>67</sup> were written and put into use.

## Areas for Improvement

- Still getting chapter website/SVN repository off the ground
- Need to recruit more members
- Need to raise awareness of OS applications used by well-known local businesses, utilities, government agencies

## Opportunities to Help

- Once SVN repository is off the ground a member could make a template for project pages, one project per web page
- Members can upload their own scripts and utilities that need to have a home for distribution

## Outlook for 2008

- Definitely going to offer Metadata Manipulator and several other utilities for download on website
- Will attempt to regularize meetings monthly or bi-monthly starting in summer

# Ottawa, Canada

**Period covered by report:** Jan-Dec 2007

**Contact name:** [Scott Mitchell](#)

## Key Accomplishments

Held regular meetings, which included both presentations to share experience in particular projects/software, and social/networking to learn what others are doing, job opportunities, opinions on where the community is going, etc.

WIDE range of participants, including programmers, users, experts, novices, educators, students, program managers, people from government, non-profits, large

and small firms.

Presentations exposed the community to developments in a number of OSGEO/FOSS4G projects, including [GDAL](#), [PROJ](#), [Geoserver](#), [GRASS](#), [Mapbuilder](#), [Nunaliit](#), the [Cybercartographic Antarctic Atlas](#), [GeoFunctions](#) and [Mapnik](#).

Booth presence at the GIS Day events at [Carleton University](#) and [University of Ottawa](#), as well as [Software Freedom Day](#).

Developed and hosted a GRASS/QGIS workshop.

<sup>65</sup>New Mexico OSGeo Site: <http://www.nmosgeo.org/>

<sup>66</sup>NMGIC: <http://nmgic.unm.edu/>

<sup>67</sup>RGIS Site: <http://rgis.unm.edu/>

Shared experiences from FOSS4G07 with community members that couldn't make the trip to Victoria

## Areas for Improvement

Keeping momentum going to have regular meetings is occasionally challenging

## Opportunities to Help

- Suggest presentations that you might be able to give to the group
- Encourage others to give presentations, or submit

suggestions to the group on things you'd like to see

- Help pay attention to the calendar and get meetings scheduled, venue reserved, A/V equipment arranged

## Outlook for 2008

- More great (informal) meetings!
- Work together towards presence at [GeoTec 2008](#) (Jun 2-5, in Ottawa)
- GIS Day 2008
- Which lucky members can make it to [South Africa?](#)

# Romania

**Period covered by report:** Jan-Dec 2007

**Contact name:** [Vasile Craciunescu](#)

## Introduction

The idea of starting a [Romanian OSGeo Local Chapter](#) came out after FOSS4G 2006 but it began to shape after FOSS4G 2007. For the moment, the main vehicle for FOSS & OSGeo promotion is [geo-spatial.org](#). The website (Romanian only at this point) represents a collaborative effort by and for the Romanian community to facilitate the sharing of geospatial knowledge and the discovery and publishing of free geographic datasets and maps. Anyone can make a contribution by submitting articles or datasets for publication, adding comments to the existing articles, join the discussion on the mailing list or user's forum.

## Key Accomplishments

### Visibility at conferences and workshops

**25-27 October 2007:** a general presentation of [geo-spatial.org](#), Romanian information chapter and OSGeo was done at the 15th GIS Users Conference, in Chisinau (Rep. Moldova).

**11 December 2007:** a more detailed presentation was

done at the second National Spatial Data Infrastructure Conference in Bucharest<sup>68</sup>

**12 December 2007:** in the framework of the same conference, we manage to organize a open source geospatial software workshop. Detailed presentations and step by step demonstrations were made for: QGIS, uDig, PostGIS, Geoserver, MapWindow, OpenLayers and VTP.

## Romanian articles and tutorials published on [geo-spatial.org](#)

- [FOSSGIS applications review: toolkits and libraries](#)
- [FOSSGIS applications review: desktop software](#)
- [VTP tutorial](#)
- [GRASS Windows installation tutorial](#)
- [GRASS MacOSX installation tutorial](#)
- [GRASS+QGIS watershed delineation](#)
- [zigGIS tutorial](#)
- [VTP vtoch tutorial](#)
- [GDAL tutorial](#)

## Articles

- Free and Open Source Geospatial Software. A Complete Alternative to Proprietary Applications (published in a local journal)

<sup>68</sup>SDI Conference: [http://portal.rosa.ro/index.php?item\\_id=169](http://portal.rosa.ro/index.php?item_id=169), <http://earth.unibuc.ro/stiri/conferinta-sdi-2007>



- Developing an Open Romanian Geoportal (presented as poster at FOSS4G 2007 and published in a local journal)

### Work on open geodata

- Basic Romanian layers (country border, county border, cities) are available for free as plain download and web services (WMS, WFS)<sup>69</sup>
- LANDSAT true color clipped after the standard Romanian 1:100k map sheets and reprojected in Stereo70<sup>70</sup>
- SRTM clipped after the standard Romanian 1:100k map sheets and reprojected in Stereo70<sup>71</sup>
- Corine Land Cover clipped after the standard Romanian 1:100k map sheets and reprojected in Stereo70<sup>72</sup>
- Old Austrian maps georeferenced in Stereo70<sup>73</sup>

### Areas for Improvement

- Get more exposure in media by publishing articles in technical magazines
- Start translation of the OSGeo Homepage to Romanian
- Present the FOSS benefits to companies involved in the geospatial business here in Romania

### Opportunities to Help

- Join and express your opinions to our [local mailing lists](#) or [forum](#)
- Volunteers for translations

### Outlook for 2008

First meeting between geo-spatial.org authors and users to discuss about the Romanian OSGeo Local Chapter already took place in a local pub – 17 people attend. The talks covered the need for a legal entity (something like an NGO), the need for more volunteers for translations, the need for a FOSSGIS local conference. Some pictures can be found [here](#)<sup>74</sup>

- Regular meetings during the whole year, at least one to be held in other city than Bucharest
- Create a legal established entity to support the Ro OSGeo Local Chapter
- Become an official local chapter

Articles and tutorials to be published on geo-spatial.org in the following month:

- A translation and adaptation of Gary Sherman's "Shuffling Quantum GIS into the Open Source GIS Stack" tutorial<sup>75</sup>
- FOSSGIS applications review: server-side and webmapping applications
- Mapnik tutorial
- Two more GDAL/OGR tutorials
- OpenLayers basic tutorial

<sup>69</sup>Romanian vector layers: <http://earth.unibuc.ro/download/romania-seturi-vectoriale>

<sup>70</sup>LANDSAT data: <http://earth.unibuc.ro/download/datele-landsat-etm-in-stereo701>

<sup>71</sup>SRTM data: <http://earth.unibuc.ro/download/datele-srtm90-reproiectate-in-stereo70>

<sup>72</sup>Land cover data: <http://earth.unibuc.ro/download/datele-corine-landcover-reproiectate-in-stereo70>

<sup>73</sup>Austrian maps: <http://earth.unibuc.ro/download/harile-austriece-1910-reproiectate-in-stereo70>

<sup>74</sup>Meeting photos: <http://www.flickr.com/photos/26994138@N00/sets/72157604006886688/>

<sup>75</sup>QGIS tutorial: <http://earth.unibuc.ro/preview>

# Spanish

## Spanish Language Local Chapter

Period covered by report: Jan-Dec 2007

Contact name: [Jorge Sanz](#), [Lorenzo Becchi](#) and [V́ctor Olaya](#)

This text is a short version of a [bigger article](#)<sup>76</sup> written by OSGeo Spanish group for the [Girona meeting](#).

## Key Accomplishments

### Community support

**Mailing list** The center of our activity, like for any other OSGeo group, is the [mailing list](#). Thank to this tool, all subscribers can interact discussing, resolving technical doubts, promoting local events, chatting about interesting news, links and so on. Regardless their location and technical skills, anyone can ask for help about geomatics and FOSS4G software.

**wiki** We have set up a category for Spanish contents called [Español](#). All content we finds its place in the wiki and everybody is invited to contribute or share his opinion (using talk pages). We use it to plan and manage the [Free GIS Book](#), the contents, the authors subscription and so on.

**OSGeo site translation** It's very important to maintain and update the Spanish version of the [OSGeo site](#). Coordinated with the [Website Committee](#), the translation of the most important pages of the web is completed.

### Presentations

**FOSS4G 2007** Lorenzo Becchi presented the initial movements of the Local Chapter at [FOSS4G](#) in Victoria, Canada.

**3rd gvSIG meeting** The Local Chapter was presented to the [gvSIG](#) community in their [annual meeting](#).

**2nd Free GIS meeting in Girona** This is the annual [meeting](#) for Spanish FOSS4G users and developers, where this Local Chapter was formed.

## Free GIS Book

The **Free GIS Book** is one of the most important initiatives of the Spanish Local Chapter. With the leadership of V́ctor Olaya, a group of authors have organized a common effort to create a book about Geographical Information Systems from the theoretical point of view, agnostic of any specific software and covering the main areas of that discipline. This is a Free content project, using a Creative Commons license (2.5 CC-BY-SA) and supported by OSGeo infrastructures.

### Collaborative structure

We have elected a [PSC](#) and a set of rules to participate in the book. Every chapter has a main author, responsible of coordinating their contents with other authors as usual in collaborative books.

### Parts

The book has six main parts, each one with several [chapters](#):

- **Introduction** : First concepts and fundamental ideas about GIS, its history and a global overview
- **Data** : Geographic data particularities, representation models, data storing, data bases and quality among other topics
- **Processes** : Formulae and algorithms related with geographical analysis from simple queries to network analysis or terrain models algorithms
- **SDI** : The Spatial Data Infrastructures play an important role in the way we use and produce data
- **Technology** : This part presents the main types of GIS software, their characteristics and technical fundamentals as well as the main representatives of any type.
- **Applications** : How GIS are applied to specific fields. How previous topics apply to any case, and how other particular elements also support that fields.

### Tools

The book is being written in Spanish, using LaTeX as the editing tool and OSGeo [SVN repositories](#) for version control.

## Areas for Improvement

- We should present OSGeo in more areas as geomatic meetings, journals and events.
- We should formalize the Local Chapter electing a PSC.

<sup>76</sup>Full article: [https://svn.osgeo.org/osgeo/community/presentations/20080303-Girona/OSGeo\\_Spanish/article.html](https://svn.osgeo.org/osgeo/community/presentations/20080303-Girona/OSGeo_Spanish/article.html)

- We should contact other Spanish spoken communities related with specific projects.

## Opportunities to Help

- We are looking for more translators for:
  - OSGeo website
  - OSGeo flyers and marketing stuff
  - The Journal
- People to join and debate on the mailing lists!

- If you want to start to translate into Spanish of one of the OSGeo projects, we can help as bridge to the project community
- Present OSGeo projects in your local community

## Outlook for 2008

- Formalize the Local Chapter
- Improve our presence in South America
- Keep going the Free GIS Book project
- Improve translations

# Taiwan

**Period covered by report:** Jan-Dec 2007

**Contact name:** Sander Borghuis

## Introduction

OSGeo Taiwan, founded on March this year, is a new and vibrant social network in Taiwan. OSGeo Taiwan actively participated in local GIS-related conferences and meetings to advocate open geo-data, promote Open Source GIS and introduce OSGeo to Taiwanese GIS communities.

## Key Accomplishments

OSGeo Taiwan with Academia Sinica Computer Center GIS Team, and Chinese Culture University Digital Earth Research Center, organized a session for Free/Open Source Software for Geoinformatics. The session was held at the 5th Taipei International Digital Earth (FOSS4G) Symposium (TIDES'07) at the Chinese Culture University from May 15 to 18.

A panel discussion was held, which focused on "Encouraging Development of OSGeo Activities in Taiwan". Participants not only shared their experiences of FOSS and FOSS4G, but also provided some suggestions for future development of FOSS4G in Taiwan.

OSGeo Taiwan started to conduct Summer Training courses for Open Source GIS on each Friday during June 29 to August 3 at Academia Sinica Computer Center.

## Areas for Improvement

- Open Data is the first and most urgent task on the list of priorities of OSGeo Taiwan.
- OSGeo Taiwan should make concerted efforts to lobby the government to release geospatial data.

OSGeo Taiwan should provide useful resources, and co-develop tutorials, technical notes, training courses, workshops and conferences to assist novices of OSGeo & FOSS4G and support local geospatial professional communities.

## Opportunities to Help

If you have any suggestions then just contact me, please find my details on the member page.

## Outlook for 2008

Taiwan's Ministry of The Interior Information Center promised to start releasing map data to facilitate the learning and exchange among geo-spatial communities & industry.

# Twin Cities, USA

Cities of Minneapolis & St. Paul, Minnesota

Period covered by report: Jan-Dec 2007

Contact name: David Bitner

## Key Accomplishments

- Became official chapter of OSGeo
- Large presence at FOSS4G2007
- Large presence and many presentations at Minnesota GIS/LIS Conference
- Support of GeoMoose Project
- Support in gaining MetroGIS support for funding and development of [PAGC](#)<sup>77</sup>
- Advocacy by members for Open Source in MetroGIS and MN Governor's Council on GIS
- Regular Meetings

## Areas for Improvement

- Scheduling ahead of meetings
- Make ourselves known more

## Opportunities to Help

- Come to meetings
- Offer to host or present at meetings

## Outlook for 2008

- More meetings
- More outreach

# United Kingdom

Period covered by report: Jan-Dec 2007

Contact name: Jo Cook

In the UK we're still at the stage of deciding we'd like a chapter and figuring out what we'd like to do with it. There are a number of groups involved with open source GIS, in academia and in other disciplines, but no national focus for that. An OSGeo local chapter should hopefully be able to provide that focus.

Part of the problem in the UK is that the lack of readily available GIS data has, in the past, made it difficult for people to develop solutions – there's no point in creating a nice mapping application if you don't have any maps to put in it. Academic staff and students can access data through license agreements, but tend to be tied to whatever standard proprietary software that their university or other institution says they should use. This is also the case in other areas such as local Government.

This situation is starting to change, however. The rise of Openstreetmap, the Free Our Data Campaign, and a general increase in profile for open source software/open access data means that more people are aware that there is a choice, and are actually starting to investigate alternatives. As has been addressed on a

number of occasions, the choice can sometimes be overwhelming, adoption of open source packages within an organisation can be hard, and sometimes it is hard to get the kind of support that you need.

An OSGeo local chapter in the UK should, therefore, exist to achieve the following objectives:

- To raise the profile of open source as a concept ('free' as in 'speech' rather than 'beer');
- To promote the use of open source GIS;
- To facilitate collaboration on open source GIS development;
- To provide a focus for the use of open source GIS by providing a presence at conferences and seminars, a web presence, and organising informal regional or national "get-togethers".

In order to start achieving these aims, the first step needs to be the creation of a banner under which already interested people can come together. This will be best and most easily achieved by attendance at a national conference, where OSGeo could have a stand and arrange a meet-up. All we have to do is figure out which one!

Interested people should sign up at the wiki page

<sup>77</sup>PAGC site: <http://www.pagcgeo.org/>

<sup>78</sup>UK wiki page: [http://wiki.osgeo.org/wiki/United\\_Kingdom](http://wiki.osgeo.org/wiki/United_Kingdom)

[United Kingdom](#)<sup>78</sup> where information will be posted once a suitable conference becomes available. People with strong ideas about what a UK Local Chapter

should do should feel free to add their ideas too! If there is interest a mailing list can be set up.

This PDF article file is a sub-set from the larger  
OSGeo Journal. For a complete set of articles  
please the Journal web-site at:

<http://osgeo.org/journal>

This report was published through the OSGeo Journal, whose normal production team is listed below:

**Editor in Chief:**

Tyler Mitchell - [tmitchell AT osgeo.org](mailto:tmitchell@osgeo.org)

**Editor, News:**

Jason Fournier

**Editor, Case Studies:**

Micha Silver

**Editor, Project Spotlights:**

Martin Wegmann

**Editor, Integration Studies:**

Martin Wegmann

**Editor, Programming Tutorials:**

Landon Blake

**Editor, Event Reports:**

Jeff McKenna

**Editor, Topical Studies:**

Dr. Markus Lupp

**Peer Review Manager:**

Daniel Ames

**Acknowledgements**

Various reviewers & the GRASS News Project

The *OSGeo Journal* is a publication of the *OSGeo Foundation*. The base of this journal, the L<sup>A</sup>T<sub>E</sub>X 2<sup>ε</sup> style source has been kindly provided by the GRASS and R News editorial board.



This work is licensed under the Creative Commons Attribution-No Derivative Works 3.0 License. To view a copy of this licence, visit: <http://creativecommons.org/licenses/by-nd/3.0/> or send a letter to Creative Commons, 171 Second Street, Suite 300, San Francisco, California 94105, USA.



All articles are copyrighted by their respective authors. Please use the OSGeo Journal url for submitting articles, more details concerning submission instructions can be found on the OSGeo homepage.

Journal online: <http://www.osgeo.org/journal>

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

Mail contact through OSGeo, PO Box 4844, Williams Lake, British Columbia, Canada, V2G 2V8



ISSN 1994-1897