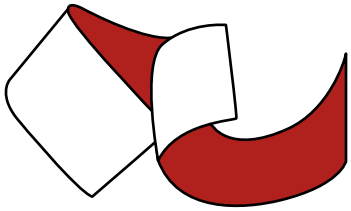


FOSS4G 2006

Free and Open Source Software for

Geoinformatics 2006

FOSS4G COMMUNITIES JOINT CONFERENCE

PRACTICAL BOOK

Welcome to Switzerland

Territory and population

With an area of 41'285 km2, Switzerland is a relatively small country. The Jura mountains, the Swiss Plateau and the Alps are the three basic topographical areas. With its 7,4 millions of inhabitants and an average density of 183 people per km2, Switzerland has an important density. The population is however unequally distributed on the territory: only 10% of its population lives in the alpine area.

History and constitution

Switzerland is a federation of relatively autonomous cantons, some of which have a history of confederacy that goes back more than 700 years. Switzerland's 1848 Constitution made it into a federal state, giving it a central authority that counterbalanced the power of the individual cantons. Some issues, such as foreign policy, are now solely in the hands of the central government.

For historical reasons, Switzerland's official name is still the «Helvetic Confederation» (in Latin: *Confoederatio Helvetica*) from which the country's international abbreviation, CH, is derived. However, a confederation is an alliance of autonomous entities. Since 1848 Switzerland has been a federation: a grouping of entities with a central authority.

The word Helvetic refers to the Helvetians, one of the many Celtic tribes living at the time of the Roman conquest in what has now become Switzerland.

Switzerland is divided into 26 cantons. There are German-speaking and French-speaking cantons, one Italian-speaking canton and cantons in which both German and French are spoken. One canton (Graubünden) has three official languages: German, Italian and Rumantsch . Their population and size vary greatly. The canton of Geneva is virtually made up of only one city. Some other cantons, like Uri, consist almost entirely of mountains and valleys.

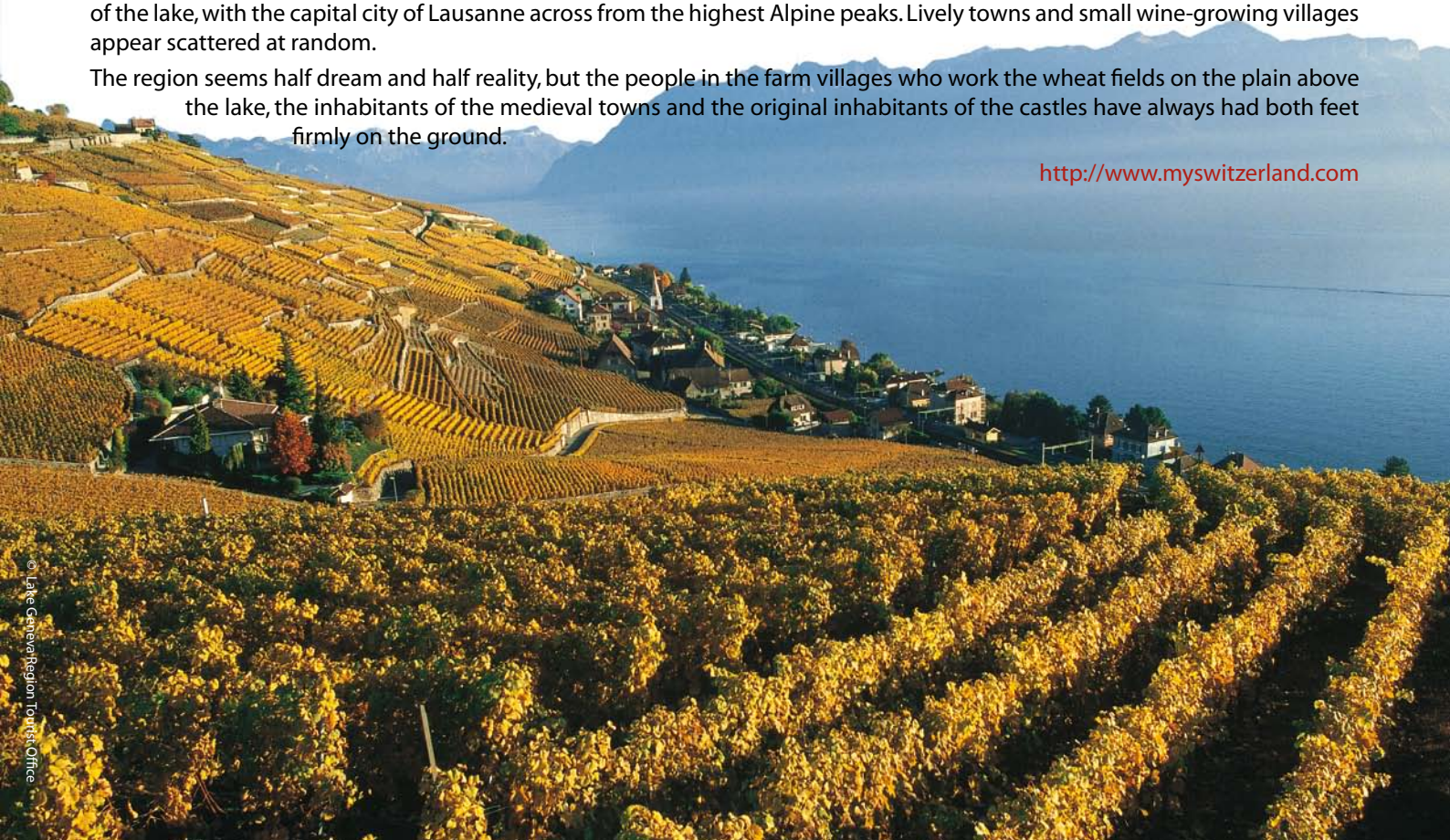
Each canton has its own constitution, its government, its parliament, its courts and its laws, though they must, of course, be compatible with those of the Confederation. The cantons enjoy a great deal of administrative autonomy and freedom of decision-making. They have independent control over their education system and social services, and each has its own police force. Each canton also sets its own level of taxation.

Lake Geneva region

They came, saw... and stayed. Courbet, Kokoschka, Charlie Chaplin and David Bowie are among those who settled at Lake Geneva, attracted, no doubt, by the Alpine panorama and almost Mediterranean vegetation. Gently sloping vineyards border the shores of the lake, with the capital city of Lausanne across from the highest Alpine peaks. Lively towns and small wine-growing villages appear scattered at random.

The region seems half dream and half reality, but the people in the farm villages who work the wheat fields on the plain above the lake, the inhabitants of the medieval towns and the original inhabitants of the castles have always had both feet firmly on the ground.

http://www.myswitzerland.com



© Lake Geneva Region Tourist Office

Region at a Glance

Sports and activities

The Jura mountains lie to the north and the Vaud Alps to the east, with lush pastures, chalet villages, mountain peaks and glaciers - as well as sunny ledges ready-made for a relaxed vacation and sporting adventures.

An active cultural life and outstanding shopping characterise the cities of Lausanne, Vevey-Montreux, Nyon, Rolle, Morges and Yverdon-les-Bains. Hospitable mountain villages present a wide range of winter sports:500 km of downhill runs, more than 200 different modes of transport and special highlights such as igloo adventures and hot-air balloon rides. Few regions offer as wide a variety of holiday pursuits as does the area surrounding Lake Geneva.

A day, a stay... in Lausanne

What most impresses a visitor from the outside world when arriving in Lausanne is undoubtedly the unexpected possibility of finding all the facilities, services, institutions, schools and entertainments of a major metropolis in such a small city of only 127'000 inhabitants. Moreover, it is situated between the lake and the mountains, between forests and vineyards and all this only 40 miles away from Geneva-Cointrin International Airport and about 4 hours away from Paris or Milan by TGV. It is also close to many top excursion destinations such as Montreux and Chillon Castle, Zermatt and the Matterhorn, the Jungfrau and Lucerne, the historical hamlet of Gruyères, the Diablerets Glacier, the Vaud Alps and the famous French resort of Chamonix.

«Lausanne Cathedral in winter»

Lausanne offers all the advantages of a big city - 5000 hotel beds in all categories, the services of a top-rank tertiary capital (banks, insurance companies, international companies), a vast choice of shops and stores that make it a true shopping paradise. Big restaurants and small friendly cafés, a university, a polytechnic, advanced vocational colleges, a unique choice of private schools, an opera, theatres, about twenty museums, establishments for the young, clubs, a program of cultural, sports and recreational events that do not allow those who like to keep on the go to have a rest.

Lausanne, as the Olympic capital city, has the IOC Headquarters and its institutions, about 15 international sports federations and especially the famous Olympic Museum: a unique attraction in the world. Indeed, there are many major sports events such as Athletissima - one of the biggest meeting in the world, the Lausanne-Marathon that ranks among the greatest and very regular world championships, cycling stages and sports meetings.

«The olympic fire brightens the world»

http://www.lausanne-tourisme.ch

Access to Lausanne

Official Carrier
swiss
Swiss International Air Lines

Access by Train

From Geneva to Lausanne (~ 45')

- From Geneva Airport train station, take the «InterCity (IC)» or «InterRegio (IR)» train for Lausanne station.
- There are 4 trains per hour.

From Zürich to Lausanne (~ 2h30')

- From Zürich Airport train station, take the «InterCity (IC)» or «InterCityPendular (ICN)» train for Lausanne station.
- There are 2 trains per hour.

For more information about the train schedules, please visit: http://www.sbb.ch/en/

Access by Car

From Geneva to Lausanne (~ 30')

- Take the A1 motorway for Lausanne. Drive close by Nyon, then Morges.

From Zürich to Lausanne (~ 2h15')

- Catch up with the A1 motorway for Bern, then Lausanne. Drive close by Dietikon, Olten, Bern, Yverdon-les-Bains.

Then follow: Lausanne - Sud

And take the exit : St - Sulpice Ecublens / UNIL - EPFL

Once you have left the motorway: Follow the FOSS4G roadsigns (free parking on the green squares).

Access to FOSS4G from Lausanne

From Lausanne City train station to FOSS4G

In front of the train station, you'll find the main bus stop. Take the «MetroBus (mb)» to the «**Lausanne-Flon**» bus stop. If you don't have any luggage and you want to do some sightseeing you can also walkup the steep street «Petit Chêne» to get to the Flon.

- Departure: every 7 minutes
- Duration: 5 minutes

From «Lausanne-Flon», take the subway **m1** for Renens and get off at the **UNIL-Sorge** station (only partly underground).

- Departure: every 10 minutes
- Duration: 11-12 minutes

The conference main area is in the Amphimax and Amphipôle about 100 meter south east of the Sorge stop. Follow the FOSS4G roadsigns.

Taxi drive from Main train station or Flon station to the conference (UNIL Sorge) will cost around CHF25.00 one way depending on traffic. The phone number for taxi reservation is 0800 810 810 (toll free).

An abstract of the m1 timetable is printed for your convinience on the bottom of this page. You can find the complete online timetable on a dynamic basis using this Internet service:

http://fahrplan.sbb.ch/bin/query.exe/en?from=Lausanne-Flon%20(TL)&To=UNIL-Sorge

You can use the same site to find timetable from your hotel, entering the proper addresses or using directly the links «Route» on the Accomadation webpage http://www.foss4g.ch/internalPage.py?pageId=4&confId=1

m1 morning timetable from Lausanne-Flon to UNIL-Sorge	
Departure Lausanne-Flon	Arriving Unil-Sorge
07:10	07:21
07:20	07:31
07:30	07:41
07:40	07:51
07:50	08:01
08:00	08:11
08:10	08:11
last 23:59	00:10

m1 afternoon timetable from Lausanne-Flon to UNIL-Sorge	
Departure Unil-Sorge	Arriving Lausanne-Flon
17:54	18:06
18:04	1816
17:14	18:26
17:24	18:36
17:34	18:46
17:44	18:56
17:54	19:06
last 23:45	23:55

Access to dynamic maps:

Roads ant metro access:
http://plan.epfl.ch/?view=248 (metro m1 access)
http://plan.epfl.ch/?view=250 (road access)

Workshops rooms at EPFL :
http://plan.epfl.ch/?view=252 (Workshops rooms at EPFL)

Conference area buildings :
http://plan.epfl.ch/?view=253

Lausanne Downtown Locations :
http://plan.epfl.ch/?view=254

The conference area

EPFL & UNIL campuses

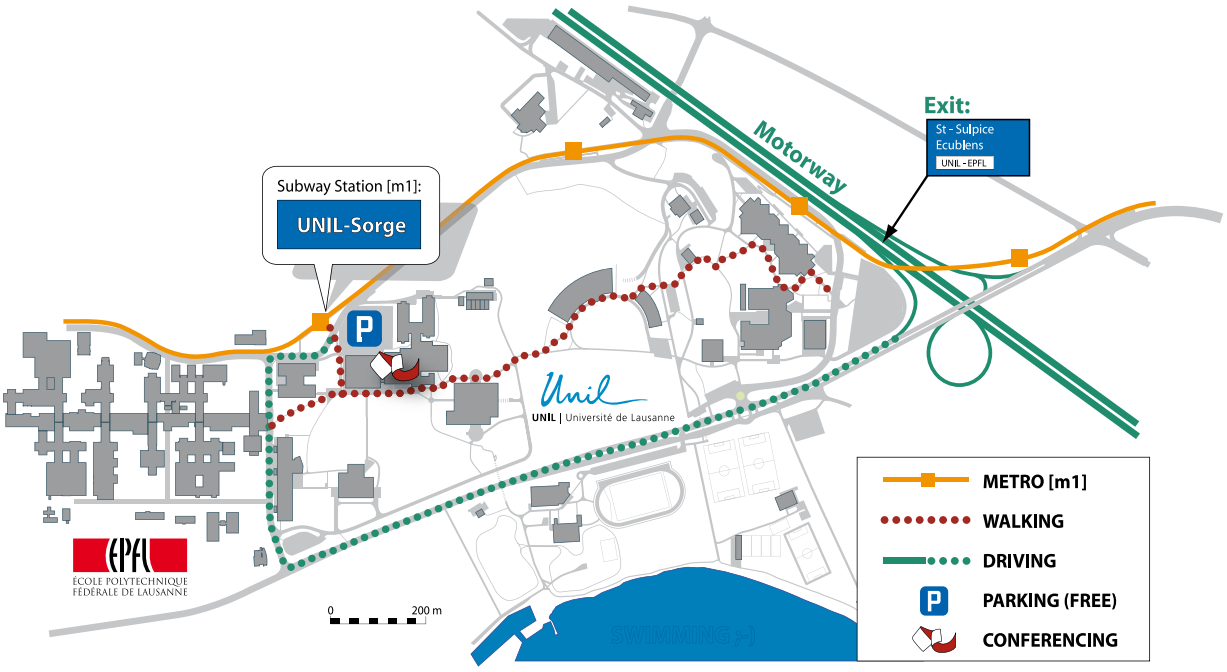
The UNIL (University of Lausanne), and EPFL (Ecole polytechnique Fédérale de Lausanne - Swiss Federal Institute of Technology) campus are contiguous . Taken together, the two campuses count 25,000 students. The conference is mainly taking place on the western part of the UNIL campus in the Amphimax and Amphipôle:

- The registration desk is located in the main hall of the Amphipôle building where lunches, breaks, exhibits are taking place.
- Conferences are taking place in the Amphimax (directly connected to the Amphipôle), Cubotron and Génopode buildings.
- Workshops are taking palce in computer rooms of Amphipôle, Biophore, EPFL GR and EPFL GC buildings. Signs helping to find direction to each conference and workshop rooms will be available from the registration desk.

GPS waypoints

The map on the previous page shows the major interesting spots for the conference. Each participant will get a Lausanne city map in his conference bag. For those of you coming with a GPS here are some waypoints (no excuse to get lost):

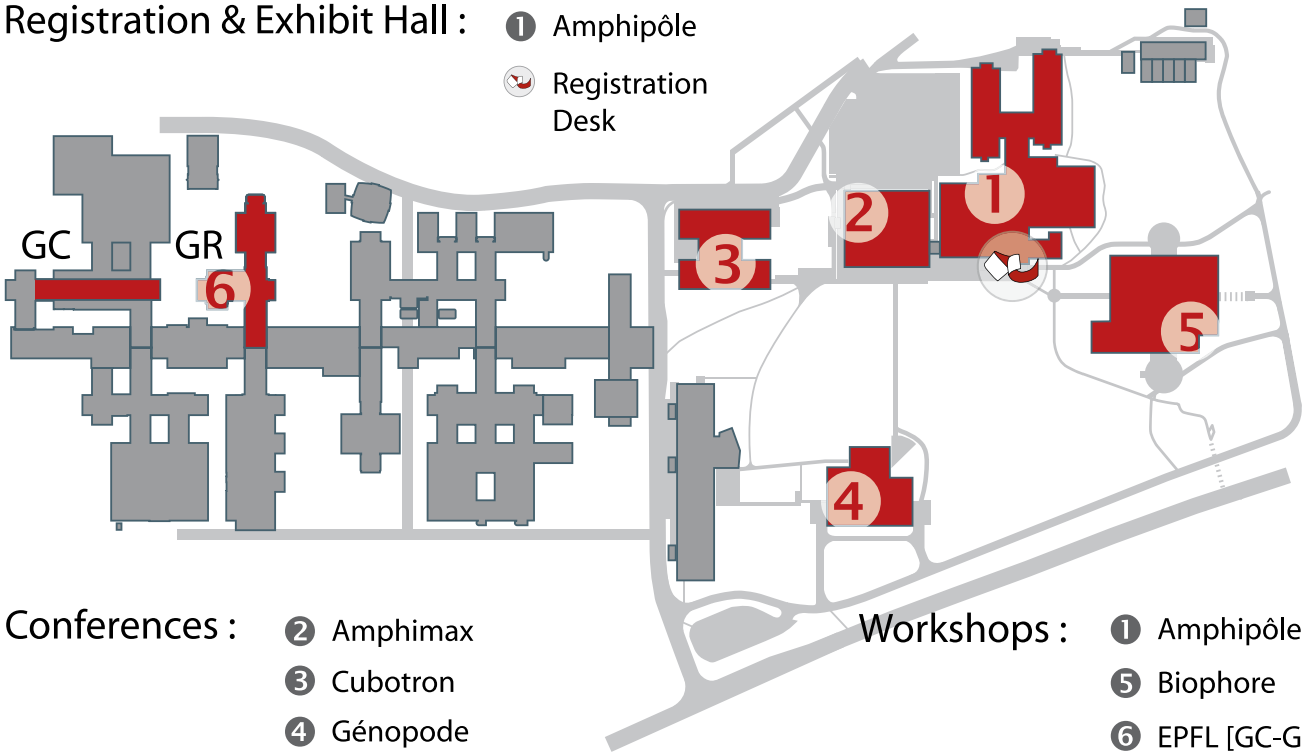
Places	Latitude	Longitude	Latitude	Longitude
Lausanne Main train station	N 46.51683	E6.62416	N 46° 31′ 1″	E 6° 37′ 45″
Unil-Sorge m1 station	N 46.52000	E6.57066	N 46° 31′ 20″	E 6° 34′ 24″
m1 Flon station	N 46.51883	E 6.62500	N 46° 31′ 13″	E 6° 37′ 50″
Amphipôle building	N 46.51933	E 6.57200	N 46° 31′ 16″	E 6° 34′ 32″
Amphimax building	N 46.51766	E 6.57133	N 46° 31′ 6″	E 6° 34′ 28″
Biophore building	N 46.51916	E 6.57266	N 46° 31′ 15″	E 6° 34′ 36″
Génopode building	N 46.51850	E 6.57116	N 46° 31′ 11″	E 6° 34′ 27″
Cubotron building	N 46.51933	E 6.57033	N 46° 31′ 16″	E 6° 34′ 22″
EPFL GR building	N 46.51933	E 6.56733	N 46° 31′ 16″	E 6° 34′ 4″
EPFL GC building	N 46.51916	E 6.55950	N 46° 31′ 15″	E 6° 33′ 57″
Dormitories	N 46.52083	E 6.55683	N 46° 31′ 25″	E 6° 33′ 41″
Tacos Bar	N 46.51950	E 6.62366	N 46° 31′ 17″	E 6° 37′ 42″
Cult club	N 46.52083	E 6.62200	N 46° 31′ 25″	E 6° 37′ 32″
Cathedral (medieval town)	N 46.52016	E 6.63433	N 46° 31′ 21″	E 6° 38′ 6″
Port Saint Sulpice: boat departure	N 46.50516	E 6.55683	N 46° 30′ 31″	E 6° 33′ 41″
Chillon Castle	N 46.40850	E 6.92300	N 46° 24′ 51″	E 6° 55′ 38″



Principal Buildings

Registration & Exhibit Hall :

- 1 Amphipôle
- Registration Desk



Conferences :

- 2 Amphimax
- 3 Cubotron
- 4 Génopode

Workshops :

- 1 Amphipôle
- 5 Biophore
- 6 EPFL [GC-GR]

AMPHIPOLE

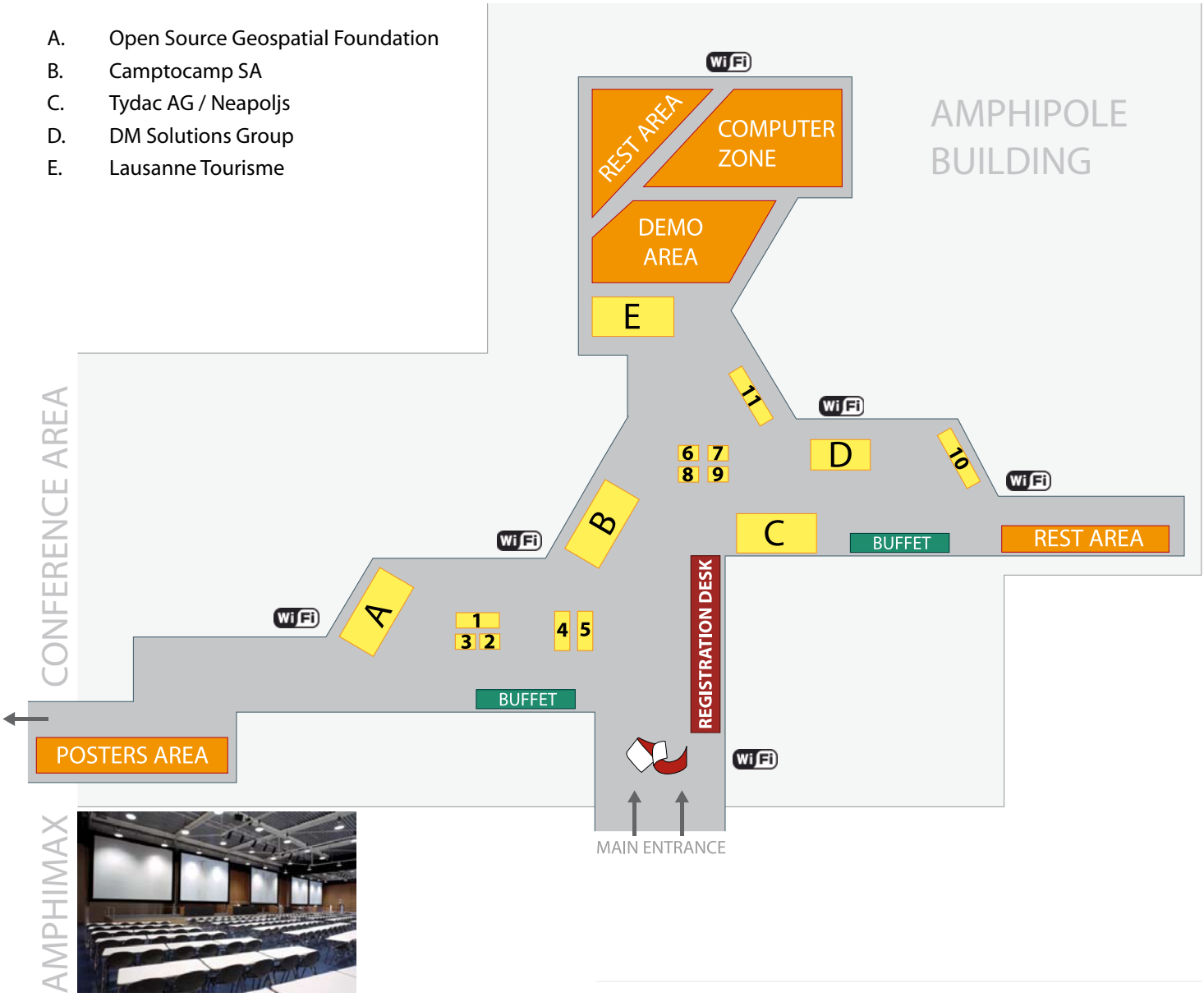
CUBOTRON

BIOPHORE

SWISS FEDERAL INSTITUTE OF TECHNOLOGY CAMPUS LAUSANNE UNIVERSITY

Exhibit Hall

A. Open Source Geospatial Foundation
B. Camptocamp SA
C. Tydac AG / Neapoljs
D. DM Solutions Group
E. Lausanne Tourisme



1. Navteq / Geoconcept
2. Iat/Ion Gmbh
3. Sylvan Ascent
4. Intevation Gmbh
5. Orkney
6. Dütschler & Naegeli
7. Eisenhut Informatik AG
8. Mapgears
9. MicroGIS SA
10. Geo-Consortium / KARTA.GO / CCGIS
11. Swiss Government Agencies (NE, SO, VD)

Special thanks for the conference bags filling !

swisstopo

Conference Program

Monday September 11th

14:00	–	20:00	Registration			
19:00	–	22:00	Ice Breaker at Tacos Bar (downtown)			

Tuesday September 12th

07:00	–	09:00	Registration			
09:00	–	12:30	Workshop sessions			
12:30	–	14:00	Lunch / Exhibition visit			
14:00	–	17:30	Workshop sessions			
17:30	–	19:30	Visit Exhibition area / Birds of a feather			
20:00	–	24:00	Meet together downtown event (Tacos Bar)			

Wednesday September 13th

07:00	–	08:30	Registration			
08:30	–	12:15	Opening Session / Plenary / Keynotes			
12:15	–	13:30	Lunch / Exhibition visit			
13:30	–	17:00	Workshop sessions	Course	Demo fest	Posters
17:00	–	18:00	Aperitif with the mayor of the city of Lausanne			
18:00	–	20:00	Birds of a feather			
20:00	–	24:00	Meet together downtown event (Tacos Bar)			

Thursday September 14th

08:30	–	09:00	Plenary Session / Keynote			
09:15	–	12:30	Conference sessions			Posters
12:30	–	13:30	Lunch / Exhibition visit / Birds of a Feather			
13:30	–	16:00	Conference sessions			Posters
16:00	–	24:00	Social event «Château de Chillon»			

Friday September 15th

08:30	–	12:00	Conference sessions			Posters
12:00	–	13:00	Lunch / Exhibition visit / Birds of a Feather			
13:00	–	16:00	Closing Session / Plenary / Keynotes			

Practical informations

Language

French, German, Italian and Rumantsch are the four official languages. **Lausanne is located in the french-speaking** part of Switzerland. In the urban area of Geneva Lake Region many inhabitants understand or speak at least some English.

Currency

The currency in Switzerland is the Swiss Franc (CHF). 1 CHF ~= 0.63 EUR, 0.81 USD, 0.90 CAD, 0.43 GBP

Time zone

GMT+1. In September, it is still daylight saving period, so it is actually GMT+2. Please see for more details:
http://www.timeanddate.com/worldclock/results.html?query=lausanne

Power and electrical plugs

Electricity is **220-240V, 50 Hz**. There is a special electrical plug in Switzerland (different from France or Germany).

Please **bring an adaptator** as we won't have any available for you.

Phone

General information:

- Switzerland country code : 41
- Lausanne area code : 21
- Mobile: GSM frequencies used in Switzerland are 1800 Mhz and 900 Mhz. UMTS or EDGE is available in Lausanne Region.
- To call inside Switzerland, use 0 as prefix to area code: for example 021 692 23 47
- To call foreign countries 00 + country code + area code + number. For example 00 33 4 79 44 44 96 (example for France)

Emergency numbers during the conference:

- **during the registration desk opening : 021 692 23 47**
- **anytime when the above number is not available : 079 606 07 73 (Luc Maurer mobile phone)**

Registration

There are more than 500 attendees registrated to the foss4g conference, so we ask you to come early for the registration. We strongly advise attendees coming to Lausanne on Monday to **register on Monday.** The registration desk will be open from 2:00pm to 8:00pm.

The registrants who made their payment lately should bring with them a proof of payment. Registrant who did not pay will not be able to have access to the conference unless they pay their registration cash in Swiss Francs currency at the registration desk. **No credits cards or other currencies will be accepted at the registration desk.**

Internet Access -Wifi

WiFi Internet access is available for free for all attendees. An **open WiFi access is available** in most of the building of the conference:

- Connect to **SSID : forum-unil**
- Use DHCP network setup
- It is an open WiFi. There is NO security to activate (WEP key, WPA, etc.)

Dormitories

Registrants who have booked dormitories accomodation will have to pay cash (in Swiss Francs currency) the dormitories at the registration desk. **No credits cards or other currencies will be accepted at the registration desk.** The cost is CHF 20.00 per person per night without breakfast. Contrary to what has been announced in the mail confirmation, there won't be any buses bringing you to the conference sight. However, dormitories are easily reachable through a short walk from the conference area

(10-15 minutes) (see general map).

For information about hotels please refer directly to the conference website.: http://www.foss4g2006.org/internalPage.py?pageId=4&confId=1 . Please notice the links to public transportation table for each hotel.

Information for Birds of a feather

Exact location of the «Birds of a feather» events will be given during the conference at a proper time.

Information for conference presenters

Each conference room is setup with a laptop computer, connected to Internet, and a projector. The following software are installed on each computer:

- WinXP with SP2 , 2GHz, 512 Mb RAM
- Open Office 2
- Microsoft Office 2003
- Firefox 1.5.0.6
- Internet Explorer 6
- Win Media Player 10
- Adobe Reader 7.0.8
- Adobe SVG 3.03
- Java Runtime Environment Version 5.0 Update 8
- dotNet Framework 2.0
- 7-Zip 4.42

All the material (slides, paper, ...) should be uploaded through the Indico conference website (http://www.foss4g2006.org), so it will be available for others.

To submit documents through the website : login -> My Contributions -> Choose a contribution -> Submit material. You can upload from a file on your disk or from an URL. Please choose the right type for your upload or insert your own type. There is no limitation for the file format (pdf, ppt, odp, zip, ...).

Presenters who don't have uploaded their file in the conference website should bring them on a USB key and transfer on the conference computer **THE DAY BEFORE the beginning of the session**.

Information for poster presenters

Posters can be setup on Tuesday in the posters area on the dedicated wood panels with pins or tape. The maximum size of the poster in A0 portrait (120 cm height 90 cm width)

Poster presenters should also upload their poster in pdf format into the conference website.

Information for demo givers

One table with one electrical plug (220V, 50Hz Swiss electrical plug) is available for each demo. Internet access is made through Wifi (see previous chapter). In case you need any help, please contact the exhibition hall manager at the registration desk

Information for sponsors

All information has already been given. In case you need any help, please contact the exhibition hall manager at the registration desk.

Evening events, visits

Lausanne nightlife

Lausanne is very famous for its nightlife with a very high density of bars and clubs, mainly located in downtown Lausanne around the Flon area. In order to prolong the conference atmosphere in an informal, we suggest to meet, on a free basis, each evening in downtown bars. We selected two places so guys don't waste time looking for each other.

Taco's Bar- Ice breaker

Join together at the Taco's Bar (http://www.tacos-bar.ch) to have a friendly drink and meet each other in a relaxed environment. Each conference attendee will receive two vouchers for free drinks. We first suggest to meet on Monday evening for an Ice breaker event. This place will remain the central meeting point for the following nights except for the social event on Thursday. A large selection of dishes is available at the Taco's Bar. Thus you can have supper there. Here are the planned slots to meet at Taco's Bar:Monday, September 11th : 6:00 pm - 23:30 pm, Tuesday, September 12th : 8:00 pm - 23:30 pm, Wednesday, September 14th : 8:00pm - 23:30 pm

Cult Club

Just after the Social Event at the Chillon Castle, for those of you who want to prolong the party, let's meet at the Cult Club (http://www.cultclub.ch) in Lausanne. The buses will bring you from Chillon to Lausanne City, the buses will first stop at the Cult club and go on to the hotels for those who are too tired. Each bus will drive to specific hotels. Watch carefully the indication on the buses.

Musée Bolo

Whether you're nostalgic for old computers or a fan of the latest technology, the Musée Bolo has something to interest you. Through exhibits centered on different themes, you'll discover the great classics of an object that's now commonplace - the computer. Next to the conference, on EPFL campus. http://museebolo.epfl.ch

Sightseeing

Even if you have little time for sightseeing, don't forget to visit the Cité, the old medieval town of Lausanne. Here is a propostion for 1.9km walk mainly through the pedestrian streets of the old town.

Social Event in the Castle

«An exciting event to mingle and discover one of the many jewels you can find in the region»

Schedule

4:00 pm Departure from UNIL (meeting at the UNIL-Sorge car park).

4:30 pm Boarding at St-Sulpice harbour.

5:00 pm Departure of the boat.

5:00 pm Boat cruise from St-Sulpice to Chillon Castle. Aperitif on board.

7:00 pm Guided tour of the castle.

8:00 pm Supper in the castle.

Around midnight, buses will bring you back to Lausanne. Stop over at the Cult Club for those who want to finish the night with a flourish!

Welcome to Castle Chillon

Relive the history from the 12th to the 16th century by visiting this unique historical monument.

Stunning environment and nature

Surrounded by the white tops of the mountains and the soft waves of Lake Geneva, Chillon castle is a real beauty spot. It is built on a rocky island along the antique road to Italy. The castle shows two faces:It is a princely residence to the lakeside but an impregnable fortress to the mountains.

Architecture

The castle consists of 25 building units. The oldest part dates back to the first millennium. In the 13th century under count Peter II of Savoy, Chillon was completely transformed and considerably enlarged. Roman and early gothic architecture is characteristic. Today, the castle is carefully restored and can be visited from the basement (dungeons) to the tower. Special attention is given to the prison, where Bonivard was chained to the pillar between 1530 an1536. His destiny inspired Lord Byron to write the famous poem «The Prisoner of Chillon» (1816).

© Lake Geneva Region Tourist Office

TUESDAY SEPTEMBER 12th

07:00 **09:00**	**Registration** **Amphipôle**							
	Workshop Session 1	Workshop Session 2	Workshop Session 3	Workshop Session 4	Workshop Session 5	Workshop Session 6	Workshop Session 7	Workshop Session 8
09:00 **Break** **10:30-10:45** **UNIL or EPFL** **12:30**	**[42] GRASS GIS Beginner's Workshop** Otto Dassau - GDF Hannover, Stephan Holl, Paolo Zatelli, Jachym Cepicky **Amphipôle (Pol 342/Geolab)** **09:00-10:30** **[45] GRASS 3D and visualization** Massimo Cuomo, Jachym Cepicky, Soeren Gebbert, Helena Mitasova **10:30-12:15**	**[20] Getting Started with MapServer** Jeff McKenna, Pericles Nacionales, Tyler Mitchell **EPFL (GR B0 1)**	**[47] Introduction to PostGIS** Paul Ramsey **Amphipôle (Pol 189.1)**	**[59] CartoWeb for beginners** Alexandre Fellay, Yves Bolognini, Oliver Christen **Amphipôle (Pol 204.2)**	**[33] MapGuide Open Source Users Workshop** Paul Spencer, Robert Bray, Zak James **Amphipôle (Pol 189)**	**[17] Using the GeoNetwork open-source Spatial Data Catalog** Jeroen Ticheler **EPFL (GR C0 02)**	**[13] OSSIM and osgPlanet** Mark Lucas **Biophore (Bio 1928)**	**[76] Building a SDI with OpenJUMP** Erwan Bocher, Ugo Taddei, Arnaud Lepetit **EPFL (GC D0 383)**
12:30 **14:00**	**Lunch and Exhibition visit** **Amphipôle**							
14:00 **Break** **15:30-15:45** **UNIL or EPFL** **17:30**	**[46] Using R with FOSS4G, in particular with GRASS** Roger Bivand **Amphipôle (Pol 342/Geolab)** **14:00-15:45** **[48] Power User Workshop: GRASS image processing (with focus on optical and Lidar data)** Markus Netele **15:45-17:30**	**[25] How to build a Chameleon widget using JSAPI mode and AJAX techniques** William Bronsema, Bart van den Eijnden **EPFL (GR B0 1)**	**[19] deegree iGeoPortal** Markus Müller, Ugo Taddei **Amphipôle (Pol 189.1)**	**[60] Advanced features in CartoWeb** Olivier Courtin, Junod Frédéric, Yves Bolognini **Amphipôle (Pol 204.2)**	**[36] Advanced MapGuide Open Source Development** Bray Robert **Amphipôle (Pol 189)**	**[91] Introduction to GeOxygene** Thierry Badard **EPFL (GR C0 02)**	**[63] ka-Map Workshop** Lorenzo Becchi, Andrea Cappugi **Biophore (Bio 1928)**	**[49] Quantum GIS 0.8 Beginner's Workshop** Otto Dassau, Stephan Holl, Marco Hugentobler **EPFL (GC D0 383)** **[50] QGIS plugin writer workshop** Marco Hugentobler **EPFL (GC D0 383)**
17:30 **19:30**	**Birds of a feather** **Amphipôle/Amphimax**				**Visit Exhibition area** **Amphipôle**			
20:00 **24:00**	**Meet together down town event** **Tacos Bar, downtown Lausanne**							

WEDNESDAY SEPTEMBER 13th

07:00 **08:30**	**Registration** **Amphipôle**										
08:30 **09:00**	**Opening Plenary Session**	**Welcome and Introduction** **Amphimax (MAX 350)**									
09:00 **09:30**		**Lightning talks** **Amphimax (MAX 350)**									
09:30 **09:45**		**Sponsors presentations** **Amphimax (MAX 350)**									
09:45 **10:15**		**OSGeo - Progress and a Call to Action by Mr. Frank WARMERDAM** **Amphimax (MAX 350)**									
10:15 **10:45**		**Break** **Amphipôle**									
10:45 **11:30**		**“Opening” the Possibilities: APIs and Open Source Code by Mr. Gary Lang** **Amphimax (MAX 350)**									
11:30 **12:15**		**New approaches to public sector information technology by Mr. François Marthaler** **Amphimax (MAX 350)**									
12:15 **13:30**	**Lunch and Exhibition visit** **Amphipôle**										
13:30 **Break** **15:30-15:45** **UNIL or EPFL** **17:00**	**[53] GRASS GIS and external RDBMS** Stephan Holl, Otto Dassau, Jachym Cepicky, Paolo Zatelli **Amphipôle (Pol 342/Geolab)**	**[38] MapServer OGC Web Services Workshop** Tom Kralidis, Yewondwossen Assefa **EPFL (GR B0 1)**	**[26] Rolling Your Own Google Maps** Scott Davis - OpenLogic **Amphipôle (Pol 189.1)**	**[51] MapWindow GIS - Custom Application Development Tools for the Windows OS** Daniel Ames - Idaho State University **Amphipôle (Pol 204.2)**	**[31] Mapbender Workshop** Arnulf Christl - CCGIS **Amphipôle (Pol 189)**	**[52] Introduction to GeoSpatial Collaboration using GeoServer** Chris Holmes **EPFL (GR C0 02)**	**[35] Working with MapBuilder** Adair Michael, Cameron Shorter, Patrice Cappelaere, Steven Ottens **Biophore (Bio 1928)**	**[30] gvSIG: from data creation and analysis to SDI implementation** Salvador Bayarri Romar, Luis W. Sevilla Muelas, Laura Díaz Sánchez **EPFL (GC D0 383)**	**[90] Tutorial: Introduction to standards in geomatics** Thierry Badard, Karl Guillotte **Amphimax (Max 410)**	**Posters** **Amphipôle**	**Demo Fest** **Amphipôle**
17:00 **18:00**	**Aperitif with Mr. Daniel Brelaz, Mayor of the city of Lausanne** **Amphipôle**										
18:00 **20:00**	**Birds of a feather** **Amphipôle/Amphimax**										
20:00 **24:00**	**Meet together down town event** **Tacos Bar, downtown Lausanne**										

THURSDAY SEPTEMBER 14th AM

08:30 09:00	An Appraisal of FOSS4G Scenario in Asian Region by Prof. Venkatesh RAGHAVAN (Osaka City University) Amphimax (MAX 350)								
	Session 1 Amphimax (MAX 350)	Session 2 Amphimax (MAX 410)	Session 3 Amphimax (MAX 351)	Session 4 Cubotron (Auditoire II)	Session 5 Génopode (Auditoire C)	Session 6 Amphimax (MAX 415)	Session 7 Cubotron (Auditoire I)	Session 8 Cubotron (Auditoire III)	Poster Session Amphipôle
09:15 09:45	**[39] ResEau** Tom Kralidis	**[107] EO1 GeoBliki - OGC Sensor Web Enabled Data Node** Patrice Cappelaere	**[157] HYDROFOSS** massimiliano cannata	**[118] MapBuilder Overview** Adair Michael	**[133] PostGIS Case Studies** Paul Ramsey	**[170] Create Online Maps with Customer Data** Laurent Pierre	**[172] Kalypso Simulation Platform** Gernot Belger, Marc Schlienger, Andreas von Dömming	**[37] Mapserver technology supports the Data Warehouse of Actions and Investments of the Brazilian Ministry for Social Development and Fight Against Hunger** Caio Nakashima	**Posters**
09:45 10:15	**[202] FOSS in business processes: Reflections from a National Mapping Agency** Jesko Schaper	**[80] OGC's lightweight standards initiatives** Raj Singh	**[64] Hydrologic design and debris flow hazard assessment in an alpine region using JGRASS modules** Andrea Salvetti	**[123] QGIS WMS Server - QGIS goes Web** Marco Hugentobler, Ionut Iosifescu-Enescu	**[211] FDO: Street Vendors in the Cathedral** Frank Warmerdam, Mateusz Loskot	**[29] Development of an algorithm to analyze data from fishing activities visualized via WEB** Rafael Sperb	**[177] GeoServer: A Platform for Open GeoSpatial Web Services** Justin Deoliveira	**[212] GeoNetwork open-source - Geographic data sharing for everyone** Jeroen Ticheler	**Posters**
10:15 11:00	Break Amphipôle								
11:00 11:30	**[153] An open software framework for Web Service-based geo-processes** Theodor Foerster - ITC	**[16] How good does open source talk OpenGIS?** Assefa YEWONDWOSSEN, Tom KRALIDIS	**[18] Siting Mobile Phone Base Stations: a GRASS application on location selection** Jeffrey Wang	**[160] Mapbender - an introduction to the Mapbender project** Astrid Emde	**[109] Future directions of PostGIS** Sandro Santilli	**[74] Mapping election results and Cartoweb** Emmanuel Belo	**[186] GeoTools - getting standards to work** Jody Garnett	**[87] Implementation of Synchronous, Spatially-Referenced Discussions Between Multiple Users with Open-Source Web GIS and Database Tools** Michael Leahy	**Posters**
11:30 12:00	**[54] From a centralized to a distributed access to water data in France using open-source** Francois Prunayre	**[121] Sensor Web Enablement: The 52north SWE Suite** Andreas Wytzisk, Johannes Echterhoff	**[195] Massive Terrain Data Processing: Scalable Algorithms** Pankaj Agarwal	**[146] The Dynamic WMS Web Client Development with AJAX** Pisut Nakmuenwai	**[148] PgRouting - Openn Source routing solution for PostgreSQL** Sylvain Pasche, Mario H. Basa, Toru Mori	**[150] Geostatistics and thematic maps** Damien Corpataux, Jean-Denis Giguère, Olivier Ertz	**[187] GeoTools – working on standards** Jody Garnett	**[138] Migrating the Italian Forestry data base from an local proprietary software based architecture to a client-server FOSS based system** Marco Ciolli	**Posters**
12:00 12:30	**[103] Orchestrating geospatial web services with BPEL: and then there was music?** Thijs Brentjens	**[134] An Integrated Software Framework for OGC Web Services** Arne Bröring, Theodor Förster	**[106] TerraCost: Scalable Computation of Least-Cost-Path Surfaces** Laura Toma	**[99] How to fit 5 Kilos of Software into a 1.3 Kilo Box** Allan Doyle Doyle	**[113] JPOX-Spatial - Persistence Framework For Spatial Applications** Stefan F. Keller	**[23] Semiological decision support systems : an application with Mapserver and PostGIS** Hy Dao	**[132] uDig Desktop Application Framework** Paul Ramsey	**[167] Oxford Archaeology and the Challenges of Going Open Source in Geomatics** Leif Isaksen, Chris Puttick, Joanne Cook	**Posters**
12:30 13:30	Lunch and Exhibition visit Amphipôle								

THURSDAY SEPTEMBER 14th PM

	Session 1 Amphimax (MAX 350)	Session 2 Amphimax (MAX 410)	Session 3 Amphimax (MAX 351)	Session 4 Cubotron (Auditoire II)	Session 5 Génopode (Auditoire C)	Session 6 Amphimax (MAX 415)	Session 7 Cubotron (Auditoire I)	Session 8 Cubotron (Auditoire III)	Poster Session Amphipôle
13:30 14:00	**[95] Elements of a Service Oriented Architecture (SOA) based on OGC and W3C Standards** Hans Ulrich Wiedmer	**[152] Secure WMS implementation** Claude Philipona, Sylvain Pasche	**[188] GRASS4LEED: Building geospatial support for Leadership in Environmental and Energy Design** Helena Mitasova	**[85] An integrated freeGIS solution: MIPI project** Paolo Cavallini	**[66] Oracle Database 10g Express Edition: A Free Spatial Database for Open Source Developers** Xavier Lopez	**[14] GeoTracing** Just Van den Broecke	**[24] DIVA-GIS (Annapurna) - an open source GIS for plant genetic resources and biodiversity analysis** Henry Juarez	**[127] Creating a high performance webmapping site** Steven Ottens	**Posters**
14:00 14:30	**[61] Using Free and Open Source software to deploy a Spatial Data Infrastructure** Brian Low	**[112] PKI Security and MapServer** Michael Smith	**[12] Planning for Noisy Activities Within Urban Patterns** James Westervelt	**[81] GDIdevl - running a GDI Lin-on-Win** Till Adams, Lars-Hendrik Schneider	**[139] Coordinate Systems: PROJ.4, EPSG and OGC WKT** Frank Warmerdam		**[151] gvSIG: What's New, What's Next** Salvador Bayarri, Luis W. Sevill	**[168] Title: The Conservation GeoPortal: An example of a shared geospatial resource** Ned Horning	**Posters**
14:30 15:00	**Break Amphipôle**								
15:00 15:30	**[190] Geoservices: the implementation of an SDI at the Dutch Ministry of Transport** Wim de Haas	**[68] 52°North Working Group Security: Access Control in Spatial Data Infrastructures** Jan Drewnak, Martin May	**[11] GIS-based Urban Growth Simulation Modeling** James Westervelt	**[58] The Role of Open Source Software in Canada's National Forest Information System** Robin Quenet	**[166] Modelling techniques for spatial information using free and open source tools** Patrick Browne	**[57] Mobile Monitoring System for Disaster Management** Till Adams, Lars - Hendrik Schneider	**[201] JCarthema : migration of a thematic mapping application using Java GIS Toolkits** Olivier Ertz	**[158] FIONA - SDI with PostgreSQL/PostGIS, GeoServer, UMN MapServer and Mapbender** Astrid Emde	**Posters**
15:30 16:00	**[104] Shared Land Information Platform (SLIP)- Government of Western Australia showcasing GeoFOSS with WMS and WFS services** Tim Bowden	**[100] Web-based hill slope erosion database for watershed management** Sander Borghuis	**[200] BEinGRID Project** Pedro Gonsalves	**[84] Geospatial Virtual Appliance - MapSnack** Stanislav Sumbera	**[174] Scripting Support Extension in Fleets Management Software** Gianvito Quarta	**[155] A context aware mobile GIS: design, architecture and first implementations** Diego Magni, Massimo Legnani		**[78] Dynamic web-gis and tracking of mobile devices** Michele Ceccarelli, Francesco Cioffi	**Posters**
16:00-16:30	**Social event: Information and Bus departure**								
16:30-17:00	**Social event:Boarding**								
17:00 19:00	**Social event: Boat departure and cruise with aperitif**								
19:00-20:00	**Social event: Chillon Castle visit**								
20:00 24:00	**Social event: dinner in Chillon castle**								

FRIDAY SEPTEMBER 15th AM

	Session 9 Amphimax (MAX 350)	Session 10 Amphimax (MAX 410)	Session 11 Amphimax (MAX 351)	Session 12 Cubotron (Auditoire II)	Session 13 Génopode (Auditoire C)	Session 14 Amphimax (MAX 415)	Session 15 Cubotron (Auditoire I)	Session 16 Cubotron (Auditoire III)	Poster Session Amphipôle (niv. 3)
08:30 09:00	**[191] Have A Nice Metadata** Jo Walsh [183]	**[204] A FOSS4G role in Spatial Data Infrastructures: Implementing Data Standards** Rob Atkinson	**[136] A Python sweeps in the GRASS** Alessandro Frigeri	**[119] Scalable Raster-to-TIN Simplification** Jonathan Todd	**[178] OpenLayers: An AJAX Library for Building WebMapping Applications** Schuyler Erle, Christopher Schmidt	**[94] Cool GIS Middleware with ICE** Howard Butler	**[69] A Web distributed Incident and Hazard Mapping Solution for Life Saving Victoria:** Shoaib Burq	**[165] A First Experience In Developing A Direct Readout System Using OS Web Gis** Dario Conte	**Posters**
09:00 09:30	**[183] Architecting Participation for GeoSpatial Data** Chris Holmes	**[93] deegree2: an API for OGC-conform services and clients** Jo Walsh, Markus Mueller, Ugo Taddei	**[67] GRASS goes web: PyWPS** Jachym Cepicky	**[154] New approaches in modelling, analyses and visualisation of volume data with GRASS and VTK** Sören Gebbert	**[117] CampusMapper - a light-weight internet mapping tool using MySQL, Tomcat and SVG** Barend Köbben	**[130] A web-based data extraction tool for the USA** Chris Garrard	**[120] FOSS in developing countries, the case of GRASS in Rwanda and Tanzania projects** Marco Ciolli	**[82] Processing MODIS satellite images for phytoplankton chlorophyll estimates** Seppo Kaitala	**Posters**
09:30 10:00	**[149] Public geodata in Europe** David Jonglez	**111] Open Source and Open Standards for GIS in the US Army Corps of Engineers** Joel Schlagel	**[156] A Chamaleon link to GRASS** Massimiliano Cannata	**[101] Automated identification and mapping of landslides [...] by using GRASS GIS** Sander Borghuis	**[169] Flash Mapping Applications Utilizing Open Source Web Services: Two Examples** Stephen Crawford	**[131] Combining Logical Information Systems and OpenGIS tools for geographical data exploration** Olivier BEDEL	**[62] Spatial monitoring of health indicators in large municipalities ...** Leyh Werner	**[27] ANIMAL HEALTH GEOGRAPHIC TRACER** Rafael Sperb	**Posters**
10:00 10:30	**Break** **Amphipôle**								
10:30 11:00	**[189] Enabling Users to Produce personalized Geodata** Andrew Turner	**[110] Open Source Web Mapping Technologies - The Platform for Web Solutions Delivery** Dave McIlhagga	**[135] Development of procedures for using GRASS GIS in planetary mapping** Alessandro Frigeri	**[147] Tsunami inundation maps and damage sceneries through the GIS GRASS** Tiziano Cosso - DIMSET-University of Genova	**[21] Grids 1.0 beta and beyond** Andy Turner	**[92] Implementing 3D Web-GIS System Using X3D Technology** Sarawut Ninsawat	**[175] Development of User-Participation-type Communication tools for revitalization of local communities using MapServer** Kei SAITO	**[28] BRAZILIAN OBSERVATORY OF MARINE BIODIVERSITY** Rafael Sperb	**Posters**
11:00 11:30	**[199] OpenStreetMap project** Nick Black	**[161] It's About Time for Time** Mikel Maron	**[108] Per-pixel classification confidence mapping using R and GRASS** Scott Mitchell	**[137] A GIS-based FOSS decision support system for the management of SAR operations in mountain areas** Paolo Zatelli	**[179] Putting Classic Literature on the Map with the MetaCarta GeoParser API** Schuyler Erle	**[102] GRIFINOR: a new platform for 3D geo-visualization** Marie Jaegly - GRIFINOR project	**[196] GeoDRM: Keeping Free and Remaining Open** Joshua Lieberman		**Posters**
11:30 12:00	**[79] Re-inventing Spatial Data Management** Raj Singh	**[163] What's Next, GeoRSS** Mikel Maron	**[142] Evolutionary Objects for Pattern Recognition in Glacials based in Grass Possibilities** José Lubín Torres Orozco	**[97] Implementing the Space Syntax Techniques: a GRASS application for the analysis of spatial configurations** Jeffrey Wang	**[73] Integration of GDAL/OGR, libral, and GTK+ with Perl on Unix and Windows** Ari Jolma	**[83] The DebianGis Project: development and state of the art** FRANCESCO LOVERGINE - Debian Project			**Posters**
12:00 13:00	**Lunch and Exhibition visit** **Amphipôle**								

12:00 13:00		**Lunch and Exhibition visit** **Amphipôle**
13:00 13:40	Closing plenary session	**Early GRASS Community Views on FOSS** **by Dr. James WESTERVELT** **Amphimax (MAX 350)**
13:40 14:00		**Sol Katz Award ceremony** **Amphimax (MAX 350)**
14:00 14:20		**Break** **Amphipôle**
14:20 15:00		**Implementation of the Swiss National Geodata Infrastructure** **by Mr. Jean-Philippe AMSTEIN** **Amphimax (MAX 350)**
15:00 15:40		**Panel discussion** **Amphimax (MAX 350)**
15:40 16:00		**Closing conference speech** **Amphimax (MAX 350)**

Origin of FOSS4G 2006 attendees