

Geo-información colaborativa y en comunidad

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Los nuevos retos de la geo-información
Barcelona, 7 juliol de 2010

OBJETIVOS

Ejemplos de casos:

1/ Jornadas de SIG Libre de Girona (Evento)

2/ OSGeo y el Capítulo Local Hispanohablante (Proyecto transversal)

3/ OSM (Proyecto de geodatos libres)

4/ Wikiloc (Proyecto lúdico-turístico)

¿SIG Libre?

* ¿Qué?

* Libre = 4

F0 → Utilizar

F1 → Estudiar y Modificar

F2 → Redistribuir

F3 → Redistribuir modificaciones
... incluso cobrando.



* SIG Libre = trabajo colaborativo y en comunidad

**“If I have seen
further it is only by
standing on the
shoulders of
giants”**

Isaac Newton, 1976

1) Jornadas de SIG Libre

Evolución en el tiempo...

* I Jornadas de SIG Libre vs IV Jornadas:

- ** N° asistentes
- ** Composición de los asistentes
- ** N° patrocinadores
- ** Composición de patrocinadores
- ** N° de propuestas



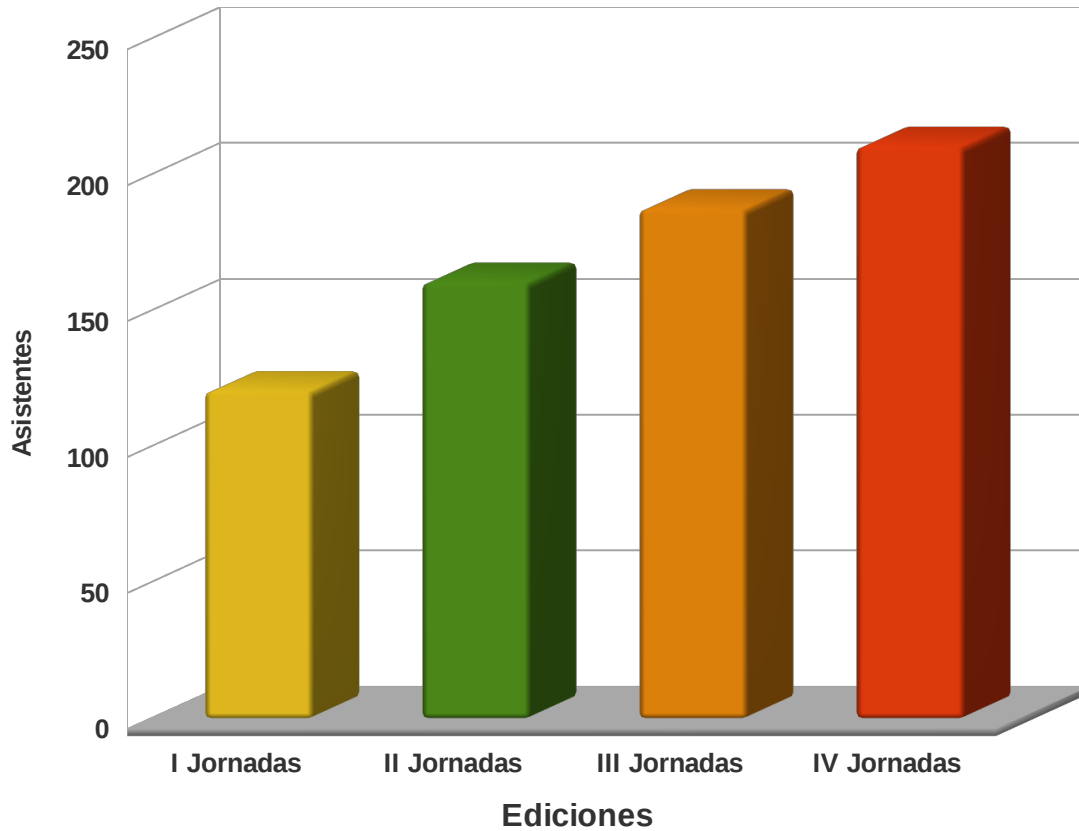
IV Jornadas SIG Libre

10, 11 y 12 marzo 2010

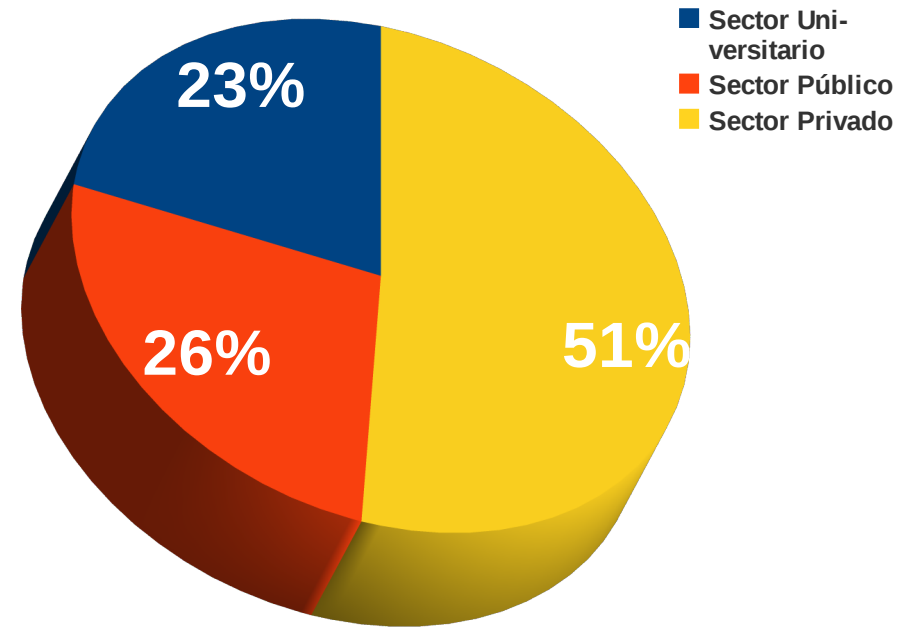
Girona

1) JSL: Asistentes

Evolución de asistentes
2007-2010

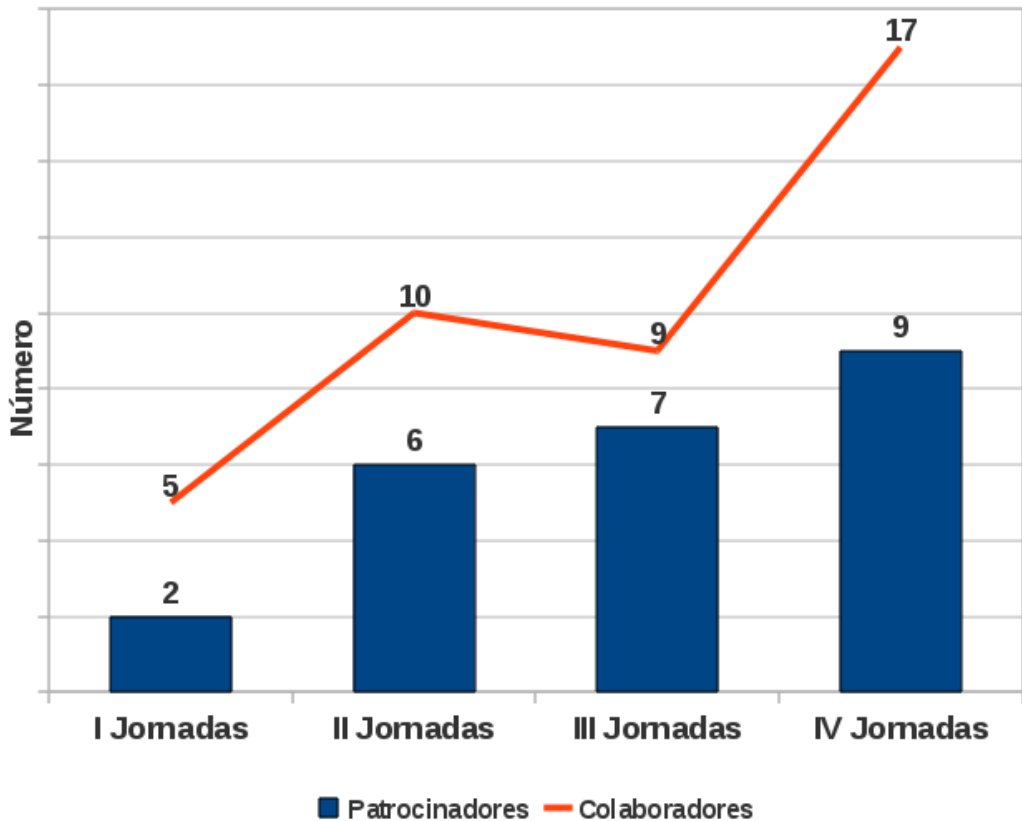


Composición de los asistentes
IV Jornadas de SIG Libre

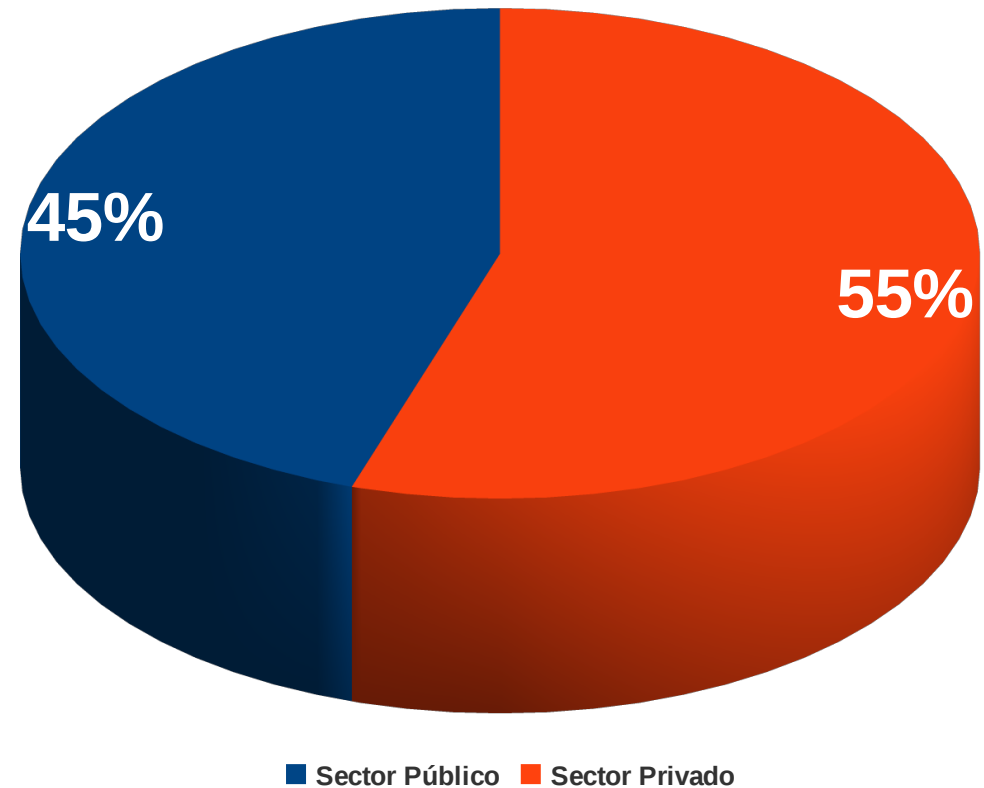


1) JSL: Patrocinio

Evolución del patrocinio
2007-2010



Composición del patrocinio
2007-2010



1) Jornadas de SIG Libre

“Son las jornadas del mira CÓMO lo hago en contraposición de los tradicionales congresos de mira LO que hago”

1) Jornadas de SIG Libre

Un caso de éxito de referencia: gvSIG:

- * Proyecto nacional
- * Impulso público
- * Adopción rápida y exponencial
- * Comunidad muy activa
- * Oportunidades de negocio:
 - ** Integradores
 - ** Desarrolladores
 - ** ...

2) OSGeo Foundation

* ¿Que es OSGeo? <http://www.osgeo.org>

* El Capítulo Local Hispanohablante

* Los comités:

** Geodatos

** Marketing

** Educación

** Migración

* Libro Libre de SIG:

http://wiki.osgeo.org/wiki/Libro_SIG



3) OpenStreetMap Foundation

* OSM = Cartografía LIBRE

* Licencia CC-BY-SA 2.0 a ODbL 1.0

<http://creativecommons.org/licenses/by-sa/2.0/deed.es>

<http://www.opendatacommons.org/licenses/odbl/>

* ¿Cómo ?

- 1- Capturar
- 2- Subir
- 3- Editar geometrías
- 4- Etiquetar
- 5- Visualizar

* Crecimiento cobertura:
200% a 300% anual



El caso de Haití:

“La importancia de la geo-información colaborativa”

“... what a boom it was to have downloadable maps with street level detail (US Search and Rescue member)”.

Menciones de la prensa:

http://wiki.openstreetmap.org/wiki/WikiProject_Haiti/Press_Mentions

News Front Page



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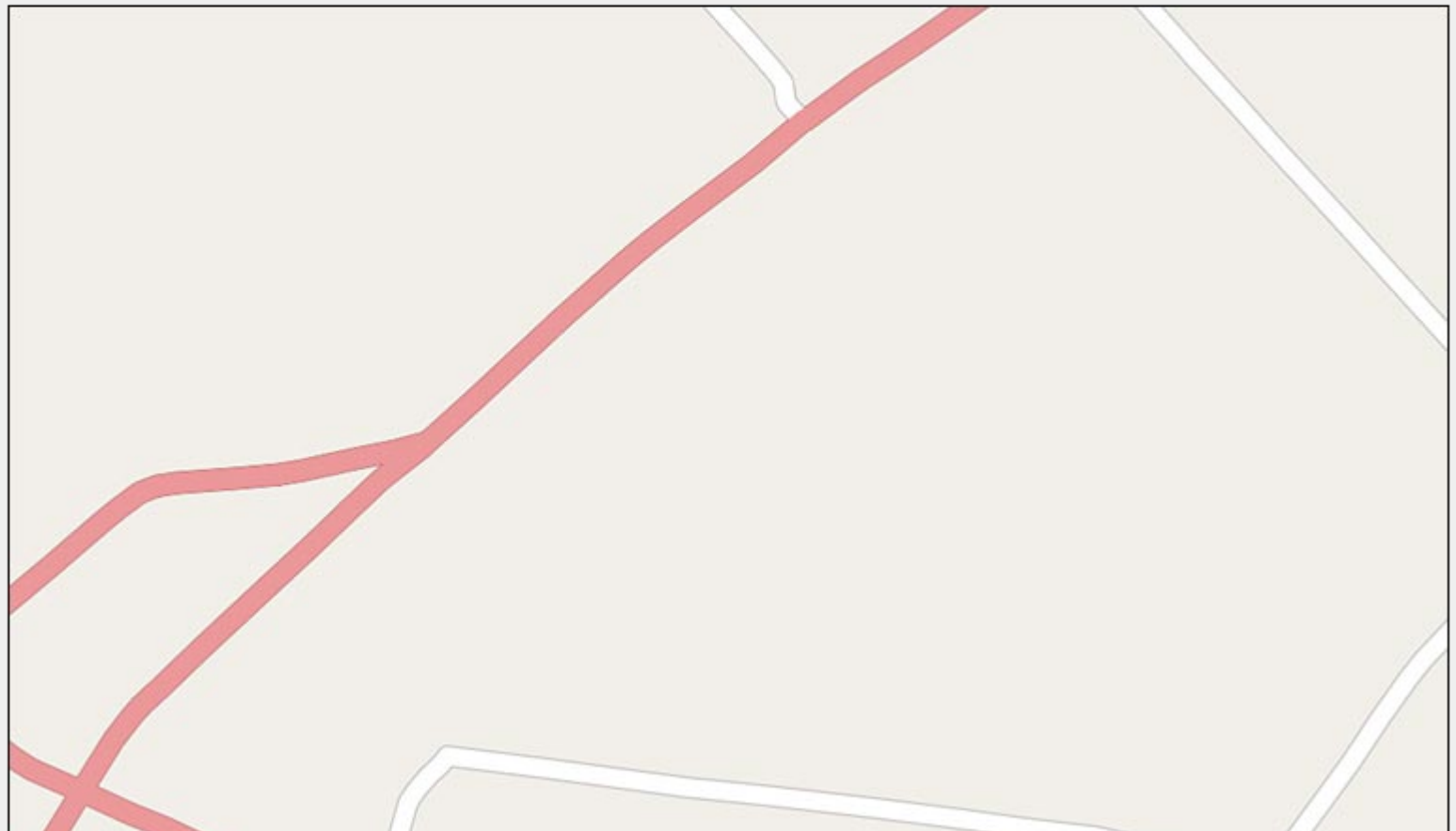
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Page last updated at 17:17 GMT, Wednesday, 24 February 2010

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The volunteer mappers who helped Haiti



OpenStreetMap is a collaborative project to create a free editable map of the world. This was the level of detail for Haiti's capital at the time - major roads, no street names, no location of public buildings. Google's map had a little more detail.

News Front Page



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The volunteer mappers who helped Haiti



But within 24 hours, two satellite firms released high-definition images of the island free of charge. This was a first, says Christopher Osborne, who works with OpenStreetMap. Users set about filling in the many blanks.

NEWS

Magazine

News Front Page



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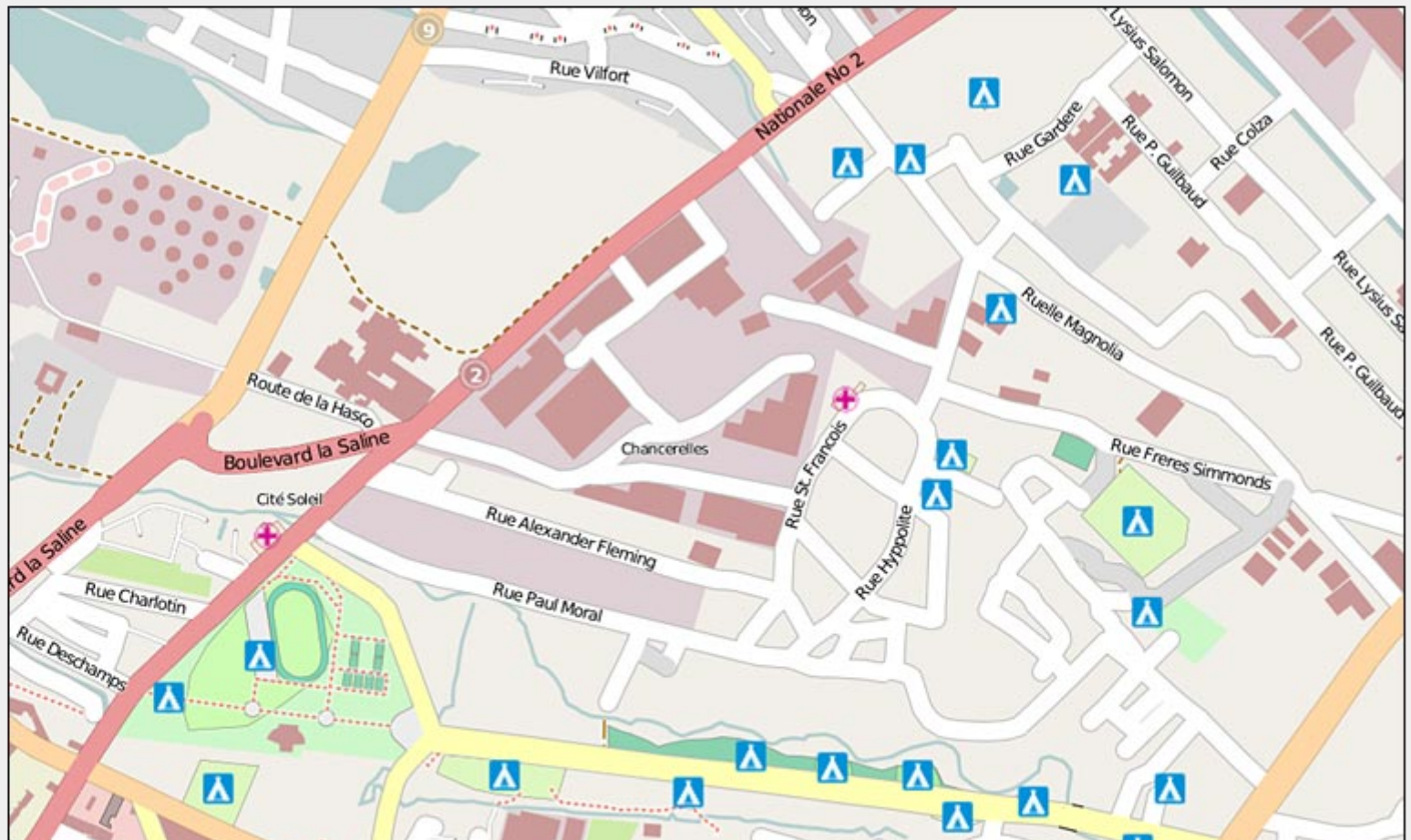
Special Reports

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The volunteer mappers who helped Haiti



As some 2,000 users added layer upon layer of detail to the map, aid workers and rescuers downloaded daily updates to help them make their way through the city from the airport, which lies to the top right of this area.

NEWS

Magazine

News Front Page



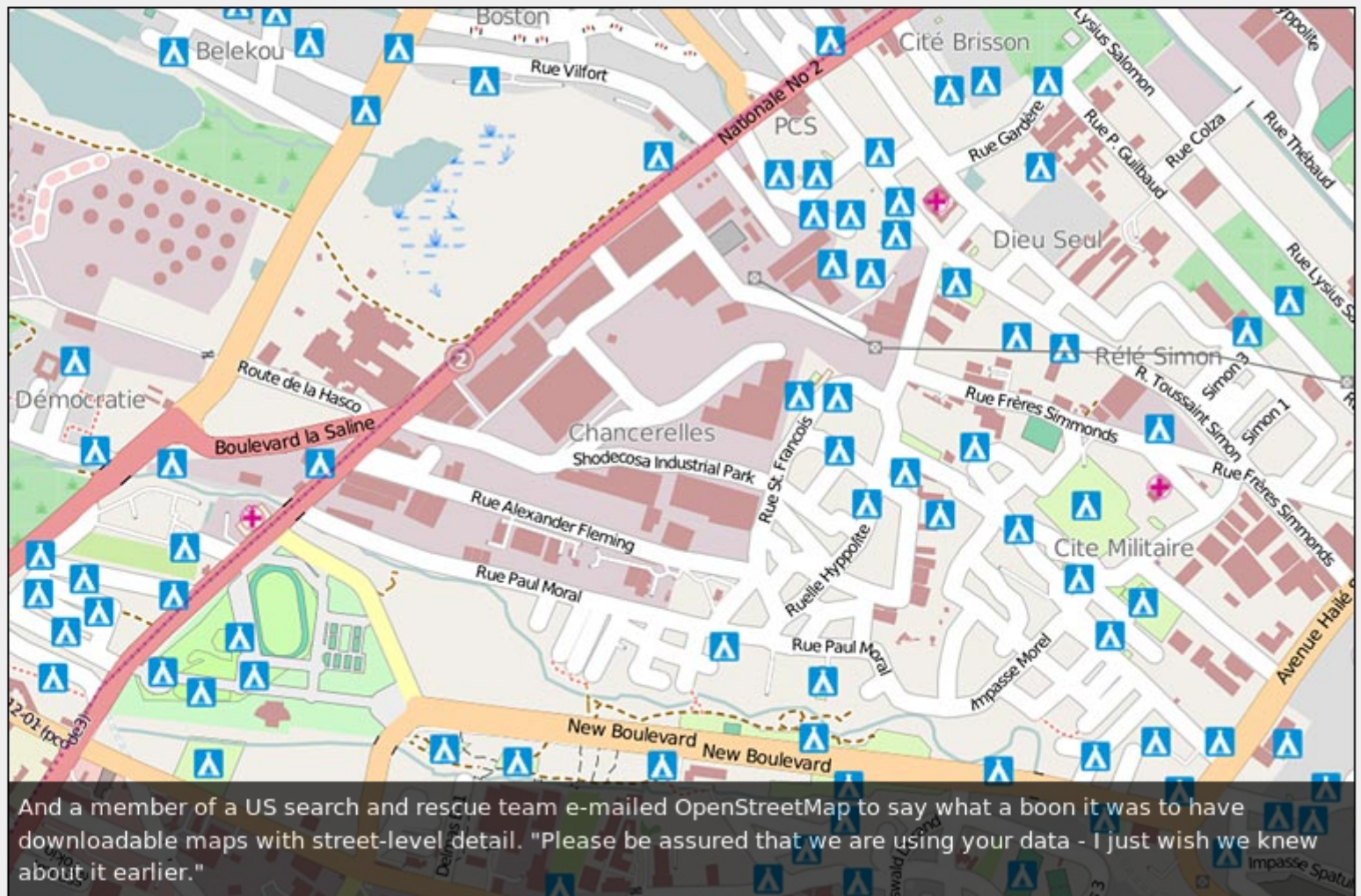
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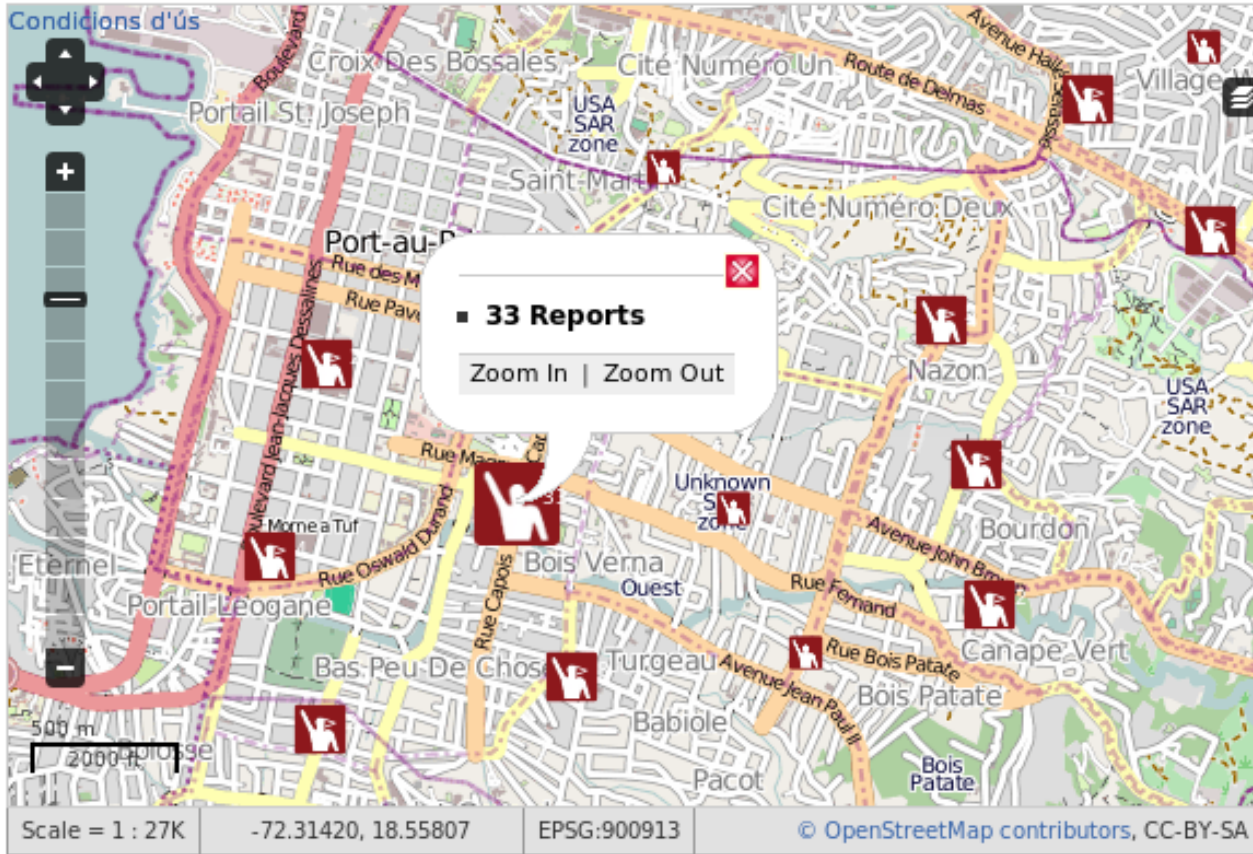
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The volunteer mappers who helped Haiti







↓ TIMELINE OF EVENTS



-  ALL CATEGORIES
-  1. URGENCES | EMERGENCY
-  1D. INCENDIE | FIRE
-  **1C. PERSONNES PRISES AU PIEGE | PEOPLE TRAPPED**
-  1B. URGENGE MEDICALE | MEDICAL EMERGENCY
-  1A. HIGHLY VULNERABLE
-  2. URGENCES LOGISTIQUES | VITAL LINES
-  3. PUBLIC HEALTH
-  4. MENACES | SECURITY THREATS

Reports in 1c. Personnes prises au piege | People trapped (8 reports)

MEDIA	REPORT TITLE	DATE	LOCATION	REPORT VIA
	<p>Person trapped University Amasan on the Champ-de-Mars english: Please. I am in a critical situation under the fallen structure of University Amasan fanel on the Champ-de-Mars. My name is Ronald Pierre.....</p>	2010-01-21	University Amasan, Champ-de-Mars, Haiti	SMS
	<p>Collapsed school with 100 kids trapped #date 20 Jan 09.40 #src via @douglaspaul Riviere Froide has a collapsed school with more than 100 kids trapped. Is up a river valley that comes out at...</p>	2010-01-20	Port au Prince, Riviere Froide, up a river valley that comes out at Carrefour	WEB
	<p>2 Children Under Their House Alive PLEASE CAN SOMEONE FIND SOME HELP FOR MY FRIEND 2 CHILDREN THAT ARE ALIVE UNDER THEIR HOUSE AT 4813 RUELLE CHRETIEN LALU ET POUPLA HAITI.PLEASE THEY ARE...</p>	2010-01-18	Port-au-Prince	WEB
	<p>People trapped: Ecole De Genie Polytechnique on Christophe Ave. This is urgent if you are in contact with rescue workers there might be hope to save some people at the Polytechnique on ave Christophe. They are still...</p>	2010-01-17	Christophe Avenue	EMAIL
	<p>Person trapped Fanmi Lochard is trapped inside. Any help to Carrefour Feuille please</p>	2010-01-14	66 Rue St. Girard, port au prince, haiti	WEB
	<p>TRAPPED Christopher Frecynet still alive under his home. They heard him</p>	2010-01-14	64 Rue Nord, port au prince,	WEB

3) OpenStreetMap Foundation

OSM en 31 segundos...

“Quizás no sea el mapa que
cambió el mundo... pero lo
mejoró!”

* Map Compare:

LINK: <http://tools.geofabrik.de/mc/?lon=2.8133&lat=41.98419&zoom=12>

3) Curiosidades OSM

Map Compare

Choose map type: OSM Mapnik

Choose map type: Google (Map)

Baghdad

Az Kazimiyah

Al A'Zamiyah

Tigris

الدورج

المرابيه

جنور

POWERED BY Google

Les dades del mapa són ©2010 AND - [Condicions d'ús](#)

44.32777, 33.35147 zoom=12 [Permalink](#)

4) Wikiloc



- * Explorar...
 - * Compartir...
 - * Crear...
- ... rutas del mundo

wikiloc [Pujar rutes](#) | [Mapa del Món](#) | [Cercar](#) [Entrar](#) | [Crear compte](#)

volta per Cap de Creus



Image © 2010 Institut Cartogràfic de Catalunya
Image © 2010 IGN-France
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

aprop de Portlligat, Catalunya (Espanya) per [Bata](#)



Distància recorreguda: 43,92 quilòmetres
Altitud mín: 0 metres, **màx:** 419 metres
Desnivell acum. pujant: 1.052 metres, **baixant:** 1.091 metr
Grau de dificultat: ● Moderat

 [Veure a Google Earth](#)



Mostra les teves rutes preferides

[Puja la teva ruta »](#)

Troba rutes

[Cercar lloc](#)

exemples: "Barcelona" o "Pedraforca"



Descobreix noves rutes



4) Wikiloc

Hitos personales... (y de la comunidad!)

2010



2009



2008

Google
Earth

2006



4) Wikiloc

180 països

18 idiomes

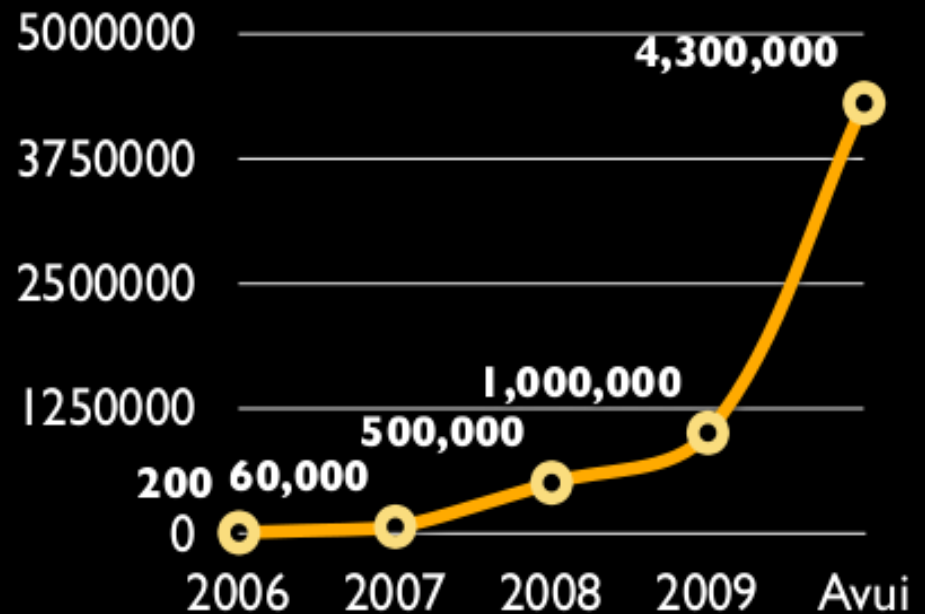
130.000 usuaris

168.000 rutes

240.000 fotos i vídeos

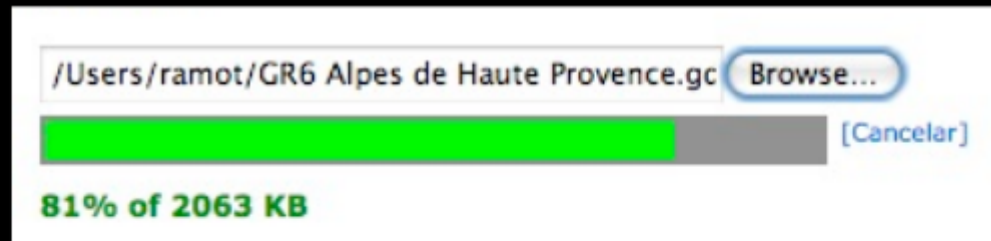
10.000 noves rutes cada mes

○ Trànsit (pàgines vistes)



4) Wikiloc

* GPS



* Digitalización



4) Wikiloc: Ranking = 12 característiques

wikiloc Pujar rutes | Mapa del Món | Cercar

Entrar | Crear compte | Fòrum

Populars (1886) | Més recents | Les teves rutes

Barcelona Cercar lloc Activitat: Tot

Mapa | Satèl·lit | Relleu

Sobreposa carrers

- Fonts Collserola E06**
14.53 quilòmetres ● Moderat, per **georgebike**
aprop de El Coll, Catalunya (Espanya)
- Fonts Collserola E09**
14.59 quilòmetres ● Moderat, per **georgebike**
aprop de Horta, Catalunya (Espanya)
- Fonts Collserola E01**
16.87 quilòmetres ● Moderat, per **georgebike**
aprop de la Rabassada, Catalunya (Espanya)
- 1.-BARCELONA MADRID EN BTT (track completo)**
705.69 quilòmetres ● Moderat, per **RIERA**
aprop de Zona Universitaria, Catalunya (Espanya)
- 4.BARCELONA-SAN SEBASTIAN EN BTT**
597.81 quilòmetres ● Moderat, per **RIERA**
aprop de Zona Universitaria, Catalunya (Espanya)
- 2007-09-09 (Can Coll Por El Pantano [Collserola])**
52.49 quilòmetres ● Moderat, per **Dimoni**
aprop de Les Corts, Catalunya (Espanya)
- BCN-MONTSERRAT**
77.78 quilòmetres ● Difícil, per **DABAGA**
aprop de La Sagrera, Catalunya (Espanya)
- Fonts Collserola E07**
18.27 quilòmetres ● Moderat, per **georgebike**
aprop de la Rabassada, Catalunya (Espanya)
- Fonts Collserola R08**
9.27 quilòmetres ● Moderat, per **georgebike**
aprop de la Rabassada, Catalunya (Espanya)
- 2.BARCELONA-VALENCIA EN BTT**
482.62 quilòmetres ● Moderat, per **RIERA**
aprop de Zona Universitaria, Catalunya (Espanya)
- Fonts Collserola E08**
13.99 quilòmetres ● Moderat, per **georgebike**
aprop de Horta, Catalunya (Espanya)
- Collserola Sant Cugat x Can Coll**
31.6 quilòmetres ● Fàcil, per **Brewer's Droop**
aprop de Horta, Catalunya (Espanya)
- Collserola trialeras**
33.84 quilòmetres ● Moderat, per **Guti**
aprop de La Bonanova, Catalunya (Espanya)
- Barcelona Sitges**
57.76 quilòmetres ● Difícil, per **Guti**
aprop de Barcelona, Catalunya (Espanya)
- Barcelona Montserrat**
62.91 quilòmetres ● Difícil, per **Sessik**
aprop de Pedralbes, Catalunya (Espanya)
- BTT Collserola**
23.53 quilòmetres ● Moderat, per **Sessik**
aprop de La Bonanova, Catalunya (Espanya)
- Barcelona Alella**
41.86 quilòmetres ● Difícil, per **Guti**
aprop de Eixample, Catalunya (Espanya)

1-17 de 1886 Següent »

Y además...

“Geoinquiets BCN”

http://wiki.osgeo.org/wiki/Geoinquiets_Barcelona



SotM
STATE OF THE MAP



FOSS4G 2010
Barcelona

Free and Open Source Software
for Geospatial CONFERENCE

SEP 6th - 9th



IV Jornadas SIG Libre
10, 11 y 12 marzo 2010
Girona

Moltes Gràcies!