

www.OpenStreetMap.org



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Why

- Geographical data is not free in the UK

PD

CC

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- People want free street (5-10m) data or lower resolution (its all they can do on the ground anyway), not the more complex OS products
- Explosion of uses in the US due to free data
- Even if free, a collaborative environment would be a natural step

Who

- Public
 - Competition is good
 - Cheaper GPS routing units for your car
 - Cheaper paper maps
 - Maps free of redistribution restrictions, eg photocopy
 - Interested parties, Academics
 - Free redistribution and derivation
 - No tie to OS licenses
 - Vector data, not just pictures
 - Data may be more timely and accurate under certain circumstances
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What

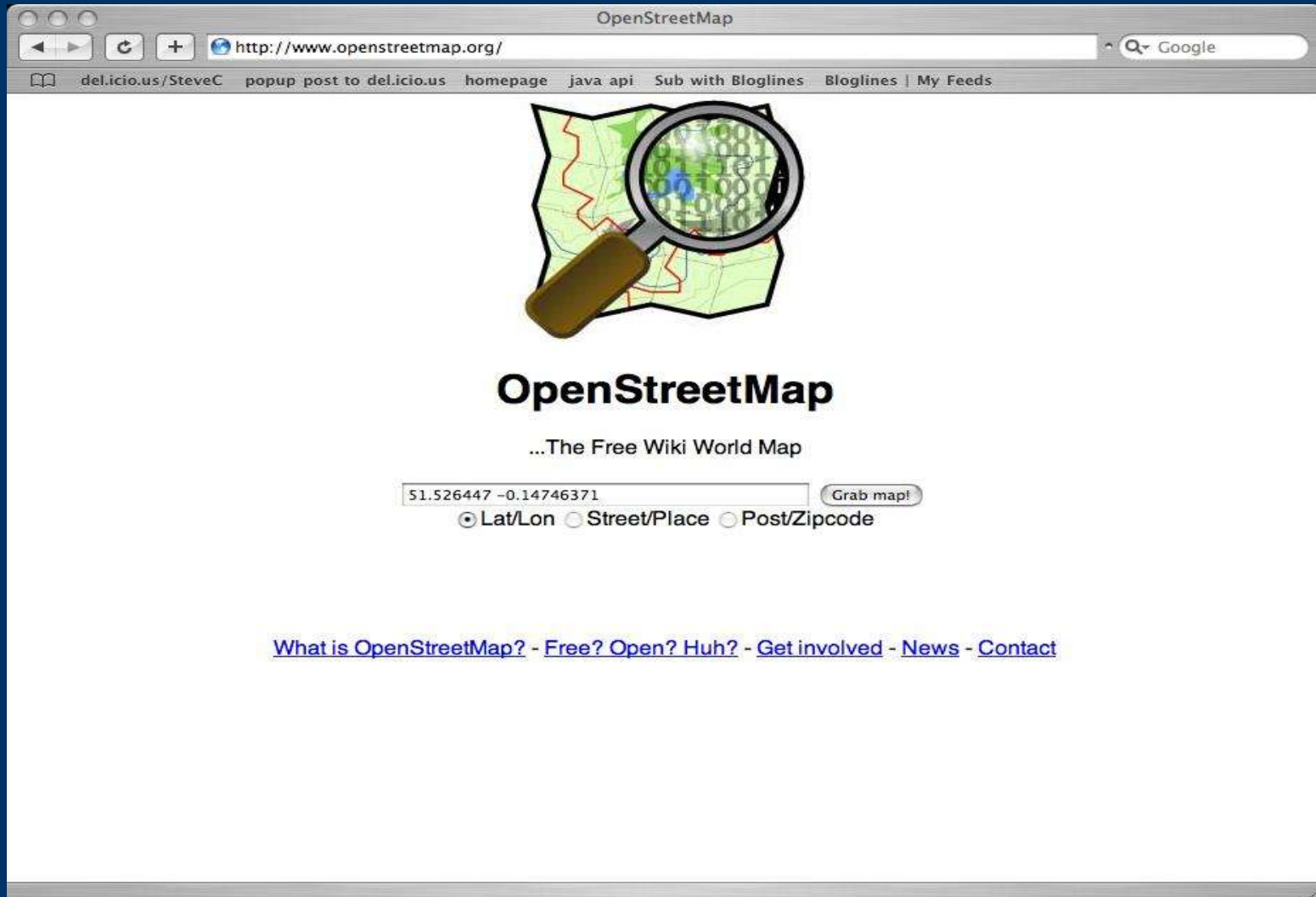
- Open: Data available under a Free license with Free tools
- Street: Not just streets. Any point, line or area data you care to submit, with associated meta data
- Map: On your terms. No enforced ontology as so many uses.



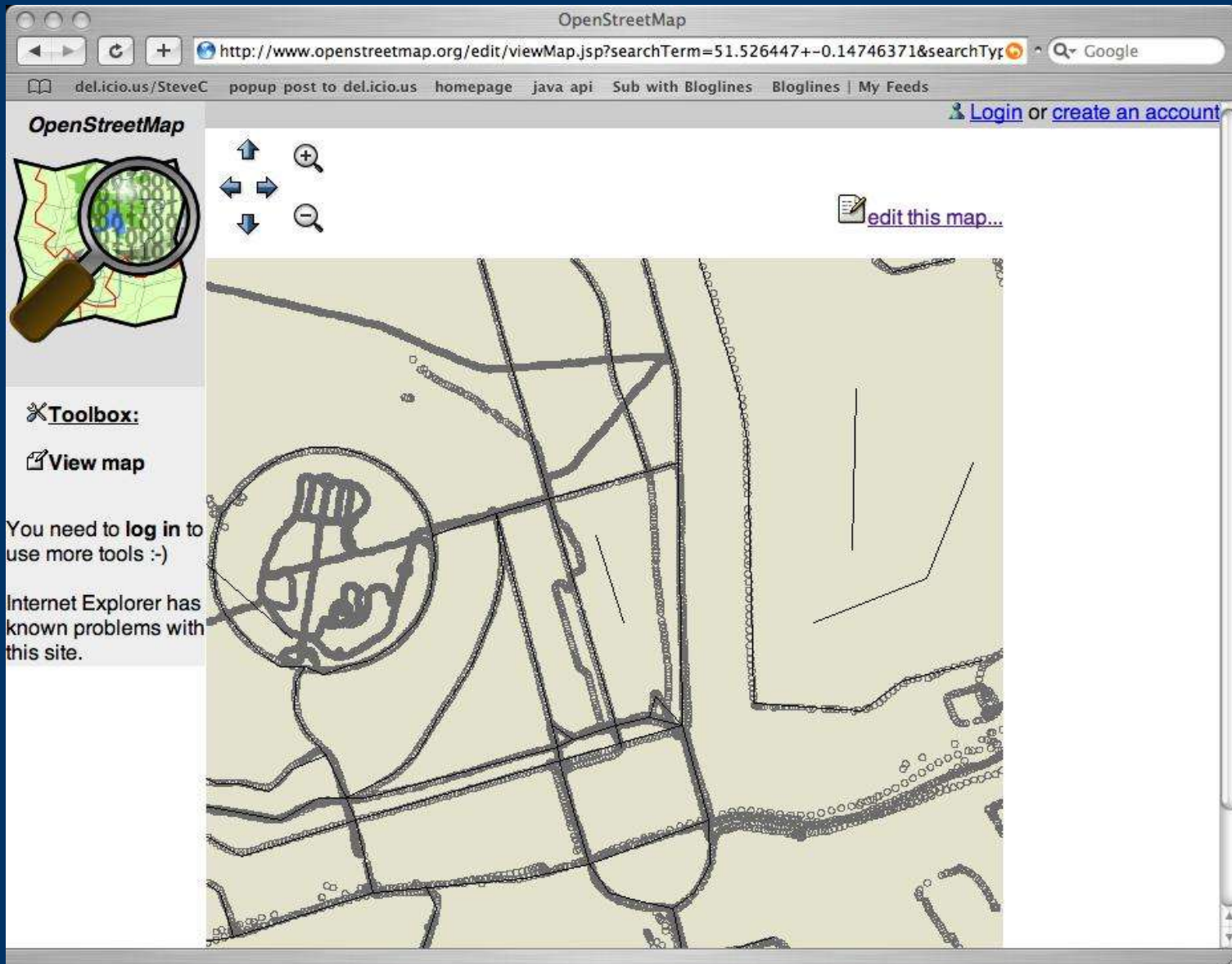
How - collection

- Collection of data
 - Location data
 - Physically travel with a GPS
 - Automated or other analysis of aerial photography
 - Metadata
 - Physically collected
 - Referenced from out of copyright maps
 - From memory
 - Experiments
 - Car
 - Satellite data
-
-

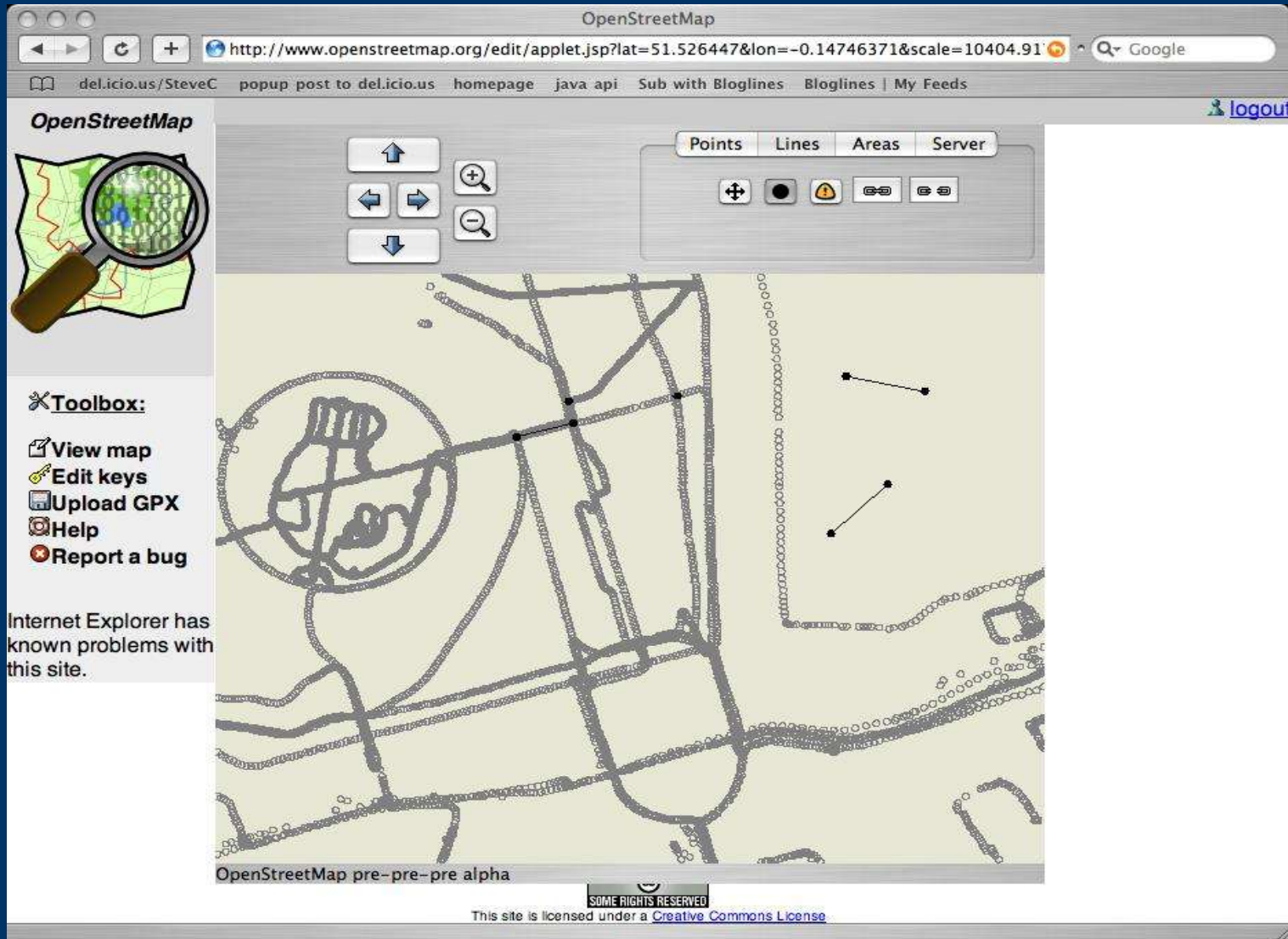
How – end user



How – end user



How – end user

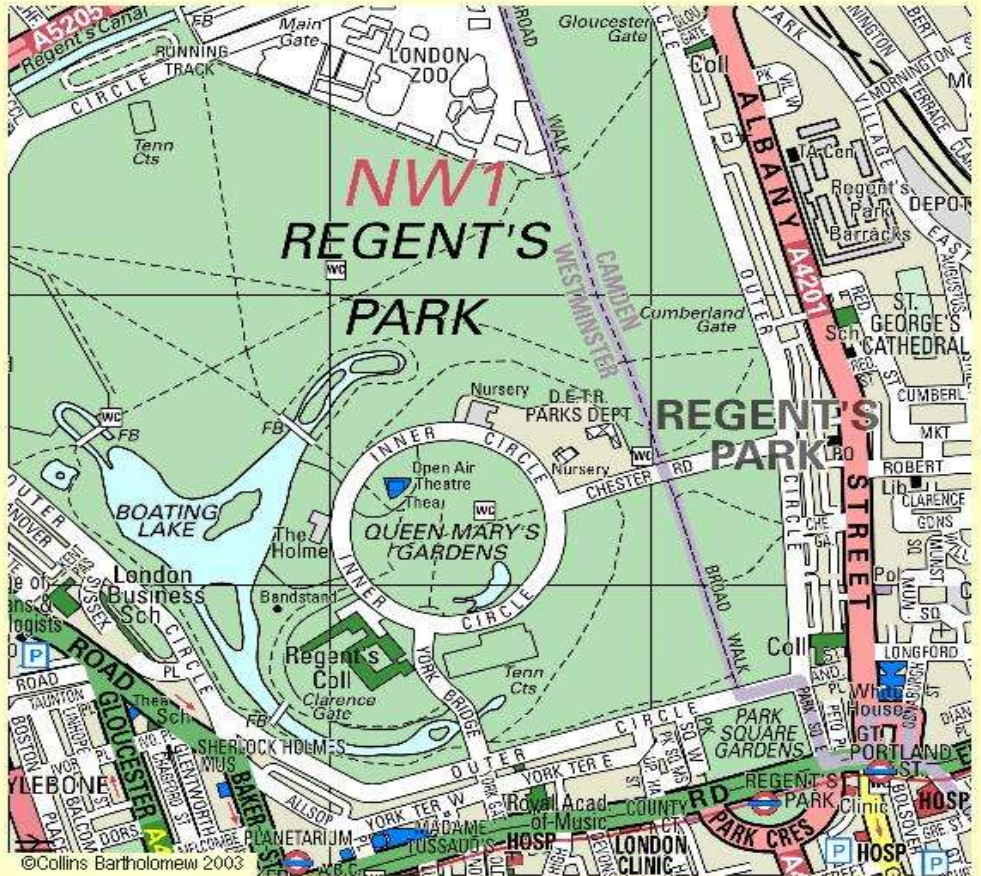


A quick comparison

Streetmap.co.uk - search results

http://www.streetmap.co.uk/newmap.srf?x=528250&y=182750&z=1&sv=528250,182750&st=4&ar

del.icio.us/SteveC popup post to del.icio.us homepage java api Sub with Bloglines Bloglines | My Feeds



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We have Aerial Photographs of this area, select the camera icon below

to find out more.

5.0% AER*

ING DIRECT savings account

Hotel Finder

How - interested parties

- Available now
 - XMLRPC open interface to talk to OpenStreetMap.org in any programming language you like
 - Free implementation – all code is available
 - Free GPX tracks, lines and key/value data
 - Up and download of GPX data
 - All changes are wiki'd (not a demo!) and backed up remotely
 - Planned
 - Integration of aerial/sat data
 - PDF/Garmin map downloads
 - Stand-alone home-use app (see Nicks talk)
 - Nice mapserver/google type static interface
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Where

- London (for me)
 - Complete map not required yet in the same way wikipedia is not perfect
 - High use areas more important initially
 - Perhaps 80% of zone 1 with basic metadata within a year. With a little money, a lot quicker
- Elsewhere for anyone who cares to map it.
Already in there are parts of
 - Bristol
 - Cambridge
 - Leeds
 - ...Norway(!)

How to help

- Donate a little money
- Write some code
- Collect some data
- Partner on targeting specific mapping areas
 - School/University geography groups
 - Cycling/Walking groups
 - Anyone interested in saving money on geodata



The end

Thanks for listening...

