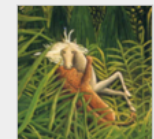




A meta-geocoding API

About me

About me

**freyfogle**[My Edits](#) 235[My Notes](#)[My Traces](#) 0[My Diary](#) 1[My Comments](#)[My Settings](#)

Mapper since: July 11, 2006 | Contributor terms: Accepted about 5 years ago

Your friends

You have not added any friends yet.

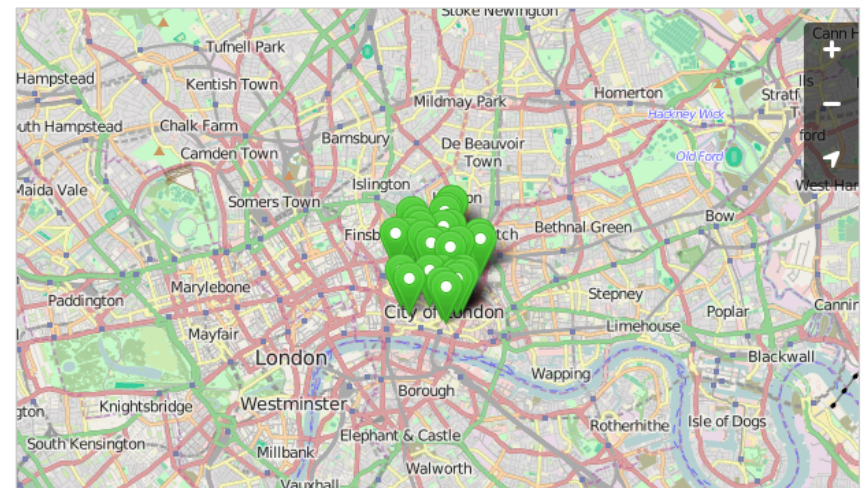
Other nearby users

[nearby user changesets](#)[nearby user diary entries](#)[cassiocassio](#) (29m away)

(no edits)

[Send Message](#)[Add Friend](#)[Klapka](#) (135m away)

(no edits)

[Send Message](#)[Add Friend](#)

Off to Barcelona

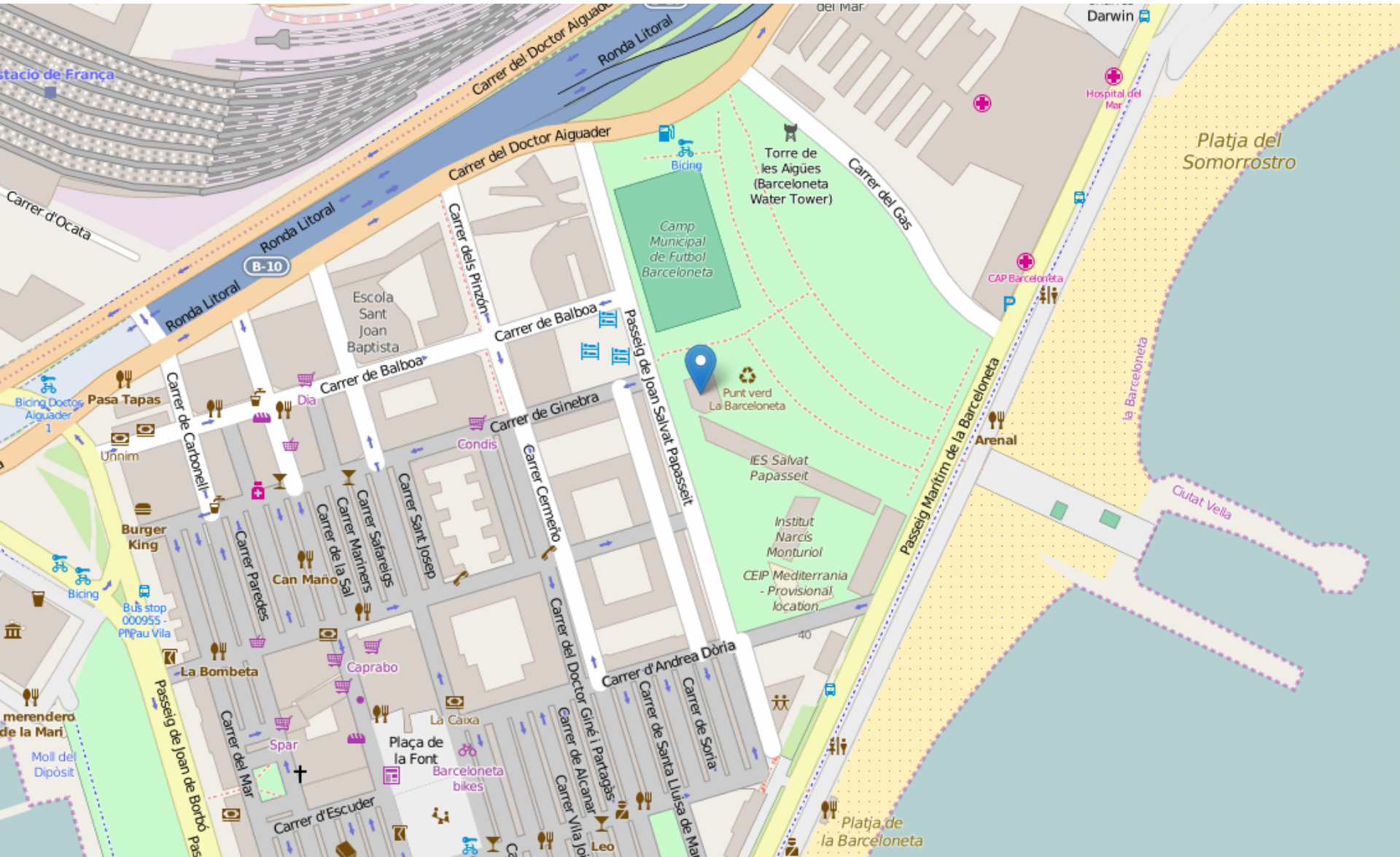




A meta-geocoding API

Problem

Where are we?



41.38218,2.19174



Barcelona!

Barcelona!

Barceloneta

Barcelona!

Barceloneta

08003

BCN

Barcelona!

Catalonia

Passeig de Salvat Papasseit, 1

Barceloneta

08003

Spain

Europe



placename \longleftrightarrow long/lat

placename ↔ long/lat

forward →

placename \longleftrightarrow long/lat

forward \longrightarrow

\longleftarrow reverse

Google

Yes!

Yes! but ...

× T&Cs

× expensive at volume

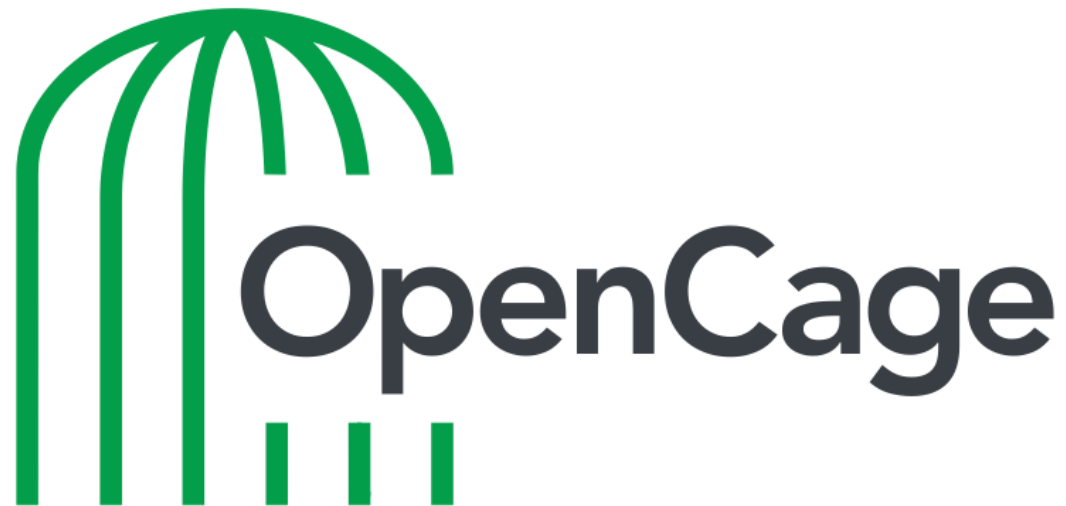


OpenStreetMap

Yes!

Yes! but ...

- × not for high volume use
- × variable coverage
- × hard/expensive to set up

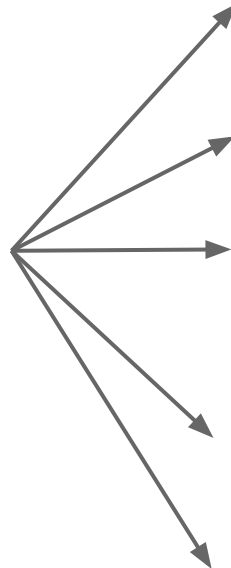


Yes!

Yes! and ...

- ✓ one API, many geocoders
- ✓ free as in freedom
- ✓ dev friendly

You



DATASCIENCETOOLKIT



Geonames

Quattroshapes

and more

Open data

- ✓ use any map you like
- ✓ cache as long as you like
- ✓ fix it
- ✓ get creative

Win on dev friendliness

Google

easy



closed

open



painful

41.38218,2.19174

Formatting

```
"components" : {  
  "building" : "La Fàbrica del Sol",  
  "city" : "Barcelona",  
  "city_district" : "Ciutat Vella",  
  "country" : "Spain",  
  "country_code" : "es",  
  "county" : "BCN",  
  "house_number" : "1",  
  "postcode" : "08003",  
  "road" : "Passeig de Joan Salvat Papasseit",  
  "state" : "Catalonia",  
  "suburb" : "la Barceloneta"  
},
```

Formatting

```
"components" : {  
  "building" : "La Fàbrica del Sol",  
  "city" : "Barcelona",  
  "city_district" : "Ciutat Vella",  
  "country" : "Spain",  
  "country_code" : "es",  
  "county" : "BCN",  
  "house_number" : "1",  
  "postcode" : "08003",  
  "road" : "Passeig de Joan Salvat Papasseit",  
  "state" : "Catalonia",  
  "suburb" : "la Barceloneta"  
},  
  
"formatted" : "La Fàbrica del Sol, Passeig de Joan Salvat Papasseit, 1, 08003 Barcelona,  
Spain",
```

115 New Cavendish Street, London W1T 5DU, United Kingdom

223 William Street, Melbourne VIC 3000, Australia

Rosenthaler Straße 1, 10119 Berlin, Germany

Via Pisacane, 13, 76121 Barletta BT, Italy

3 Upper Alma Road, Rosebank, Cape Town, 7700, South Africa

Check-In

Mi, 12. November 2014

15:00

Check-Out

Fr, 14. November 2014

11:00



Wunderschöne 160qm Wohnung (Apt. 5)

Hessische Straße 12

Berlin, Berlin 10115

Deutschland

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Hessische Straße 12

Berlin, Berlin 10115

Deutschland





Ed Freyfogle

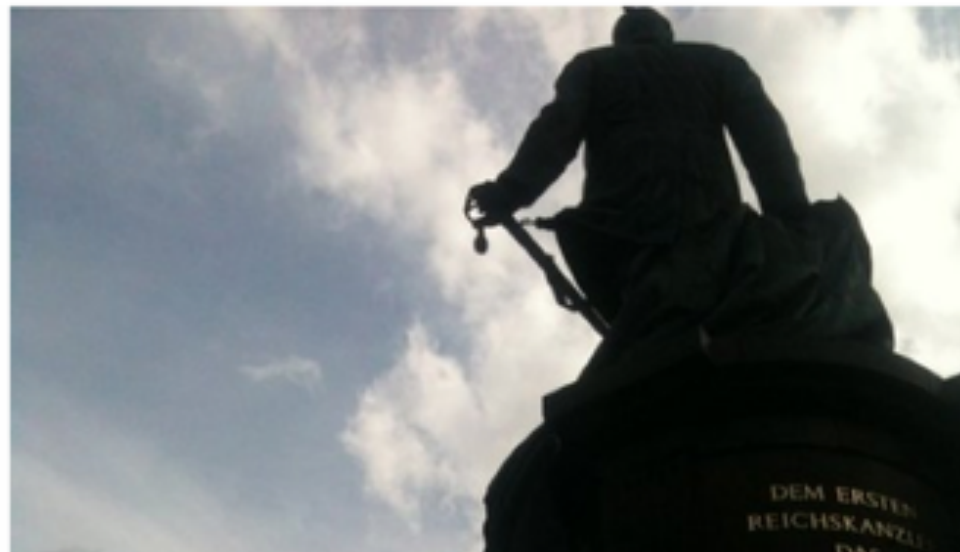
@freyfogle

Final weekend in Berlin, summer is over ...
tumblr.co/Z5_3lt1Pfv9dU

 Berlin, Berlin

 Antworten  Favorisieren  Mehr

 Tumblr







We need your help

<https://github.com/opencagedata/address-formatting>

Annotations

- ✓ timezones
- ✓ time of sunrise/sunset
- ✓ geohash, MGRS, Maidenhead
- ✓ what3words
- ✓ calling codes
- ✓ OS gridrefs

enter coordinates as lat, long

results for "41.38218,2.19174"

Results

Map

Raw request

Raw response

```
-----  
"Mercator" : {  
  "x" : 243857.334,  
  "y" : 5040473.683  
},  
"OSM" : {  
  "url" : "http://www.openstreetmap.org/?mlat=41.38117&mlon=2.19061#map=17/41.38117/2.19061"  
},  
"geohash" : "sp3e3v5nub7rx8z5dblq",  
"sun" : {  
  "rise" : {  
    "apparent" : 1443764940,  
    "astronomical" : 1443759420,  
    "civil" : 1443763320,  
    "nautical" : 1443761340  
  },  
  "set" : {  
    "apparent" : 1443807060,  
    "astronomical" : 1443812580,  
    "civil" : 1443808740,  
    "nautical" : 1443810660  
  }  
},  
"timezone" : {  
  "name" : "Europe/Madrid",  
  "now_in_dst" : 1,  
  "-----"  
}
```

What should we add?
All suggestions welcome

What's next?

- ✓ leave beta, announce pricing
- ✓ more formatting, annotations
- ✓ feedback loop to OSM

Start geocoding:
opencagedata.com



Stay informed

- ✓ @opencagedata
- ✓ blog.opencagedata.com
- ✓ @freyfogle (gladly also IRL)

Other stuff

Like geo and in
London?

See you at #geomob
21st Jan
geomobldn.org
[@geomob](https://twitter.com/geomob)

Geo seed investing



Simplest way to communicate locations

 The logo for SplashMaps, consisting of the text 'SplashMaps' in white on a green rectangular background.

Wearable, washable, all weather maps

Please get in touch if you are a location based service/geo start-up seeking seed funding

Thanks!

Questions?