

Introduction à Overpass turbo

Interrogation, filtrage et extraction
des données OSM

@Boris Mericskay

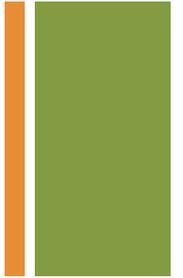




+ Retour sur les données OSM (géométrie et sémantique)



Modèle de données OSM



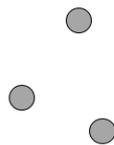
Dans un SIG, les données cartographiques sont représentées de trois façons différentes

- Points, lignes et polygones
- Les données attachées à ces objets sont généralement stockées dans une base de données liée à la base géographique.

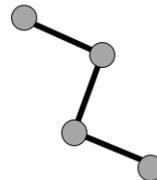
Dans OpenStreetMap, ces trois concepts sont modélisés différemment -> 3 objets primitifs (**Eléments**) :

- **Nœuds** (*nodes*)
- **Lignes** (*ways*)
- **Relations**

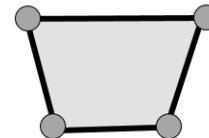
Nœuds



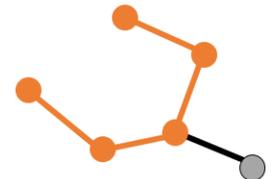
Chemin (ouvert)



Chemin (fermé)

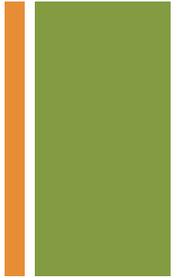


Relation





Modèle de données OSM



Node

- Éléments de base du système OSM
- Les nœuds consistent en une latitude et une longitude
- Peuvent être utilisés seul ou en groupe pour former un chemin

Way

- Interconnexion entre au - deux nœuds caractérisant une ligne
- Chemin ouvert / Chemin fermé / Zones

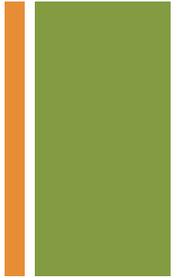


Relation

- Servent à regrouper différents objets qui considérés les uns avec les autres forment un nouvel objet (ligne de bus, campus...)

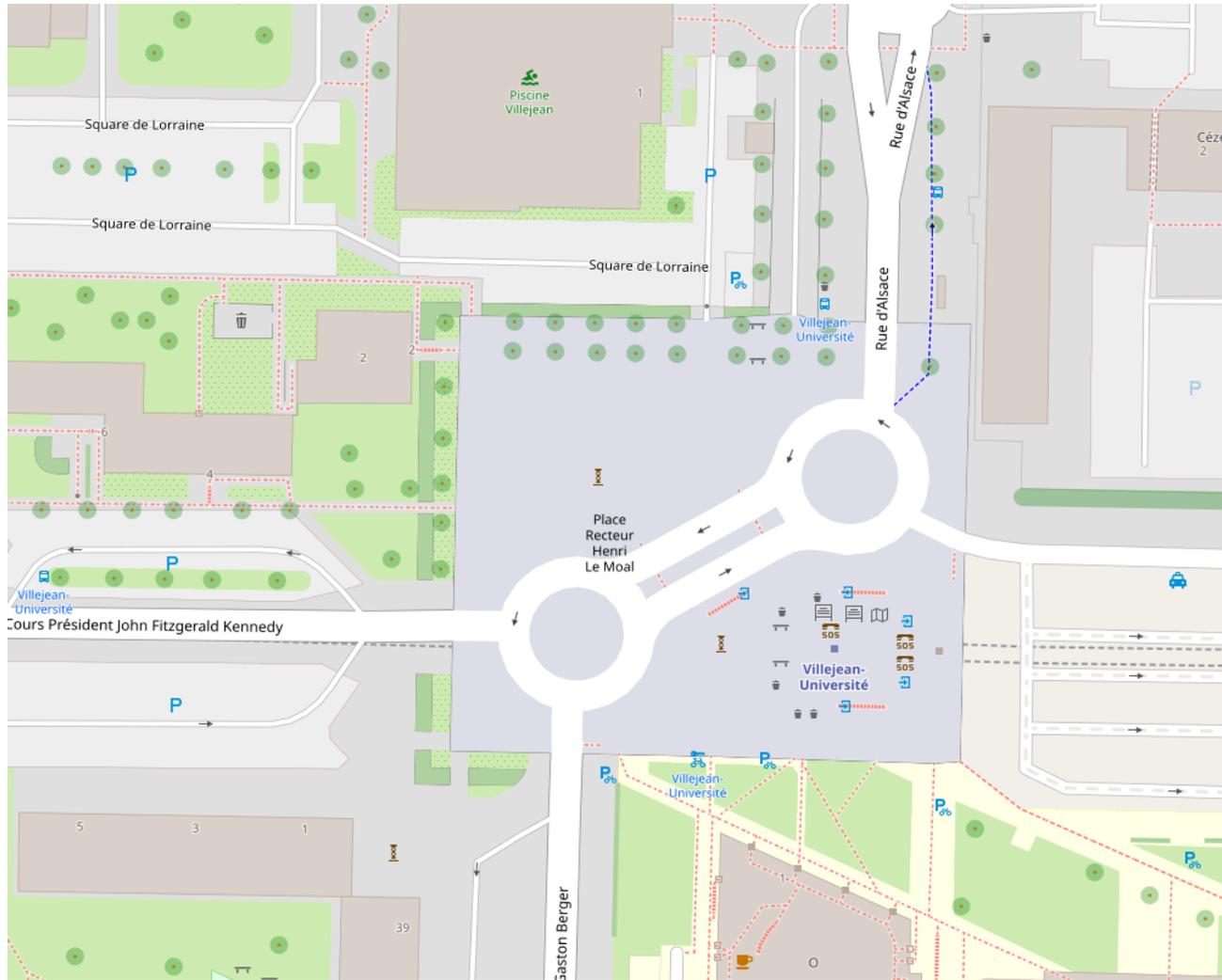
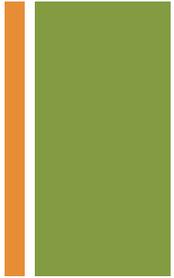


La modélisation dans OSM

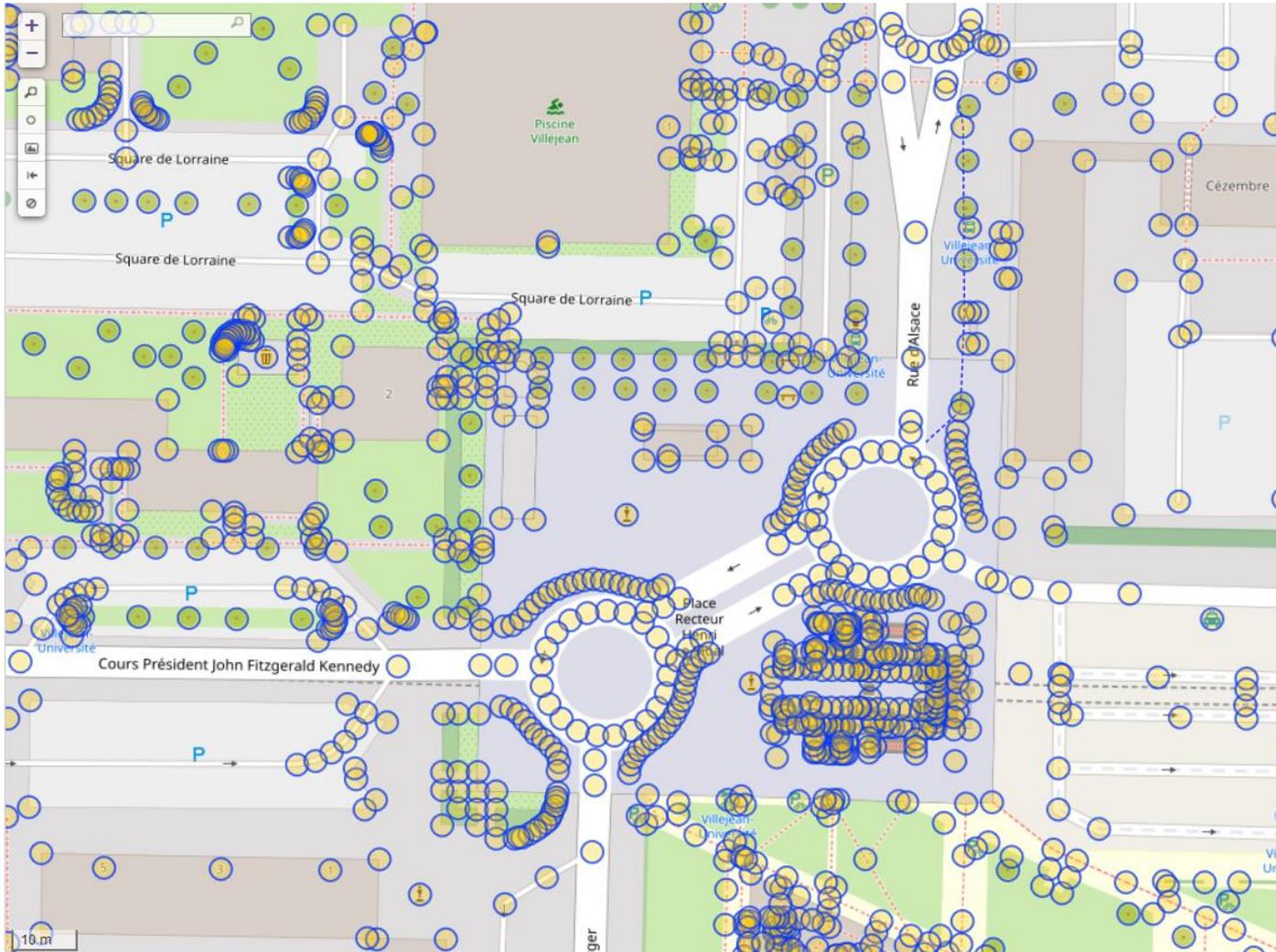




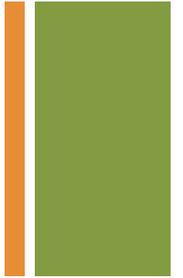
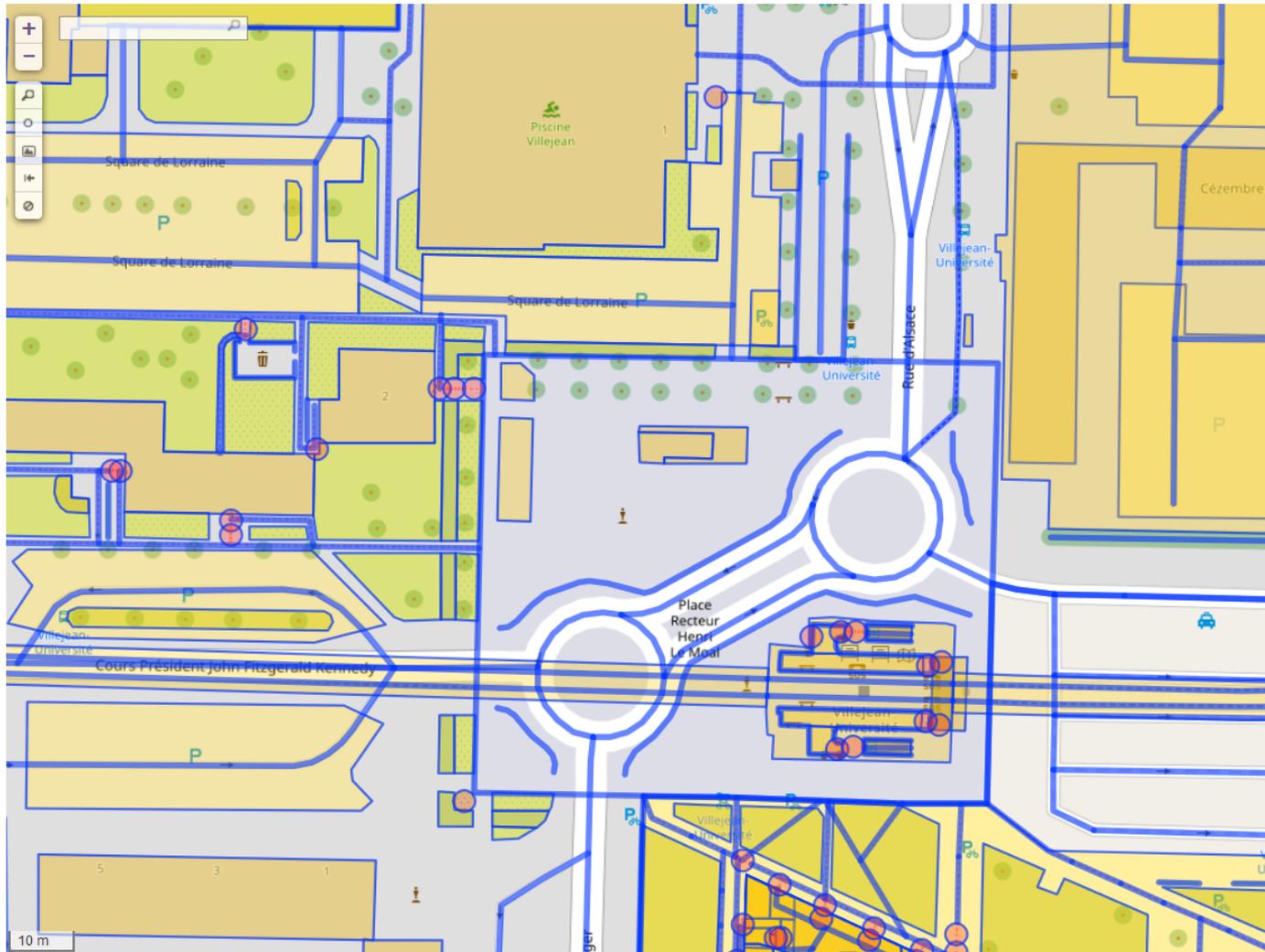
La modélisation dans OSM



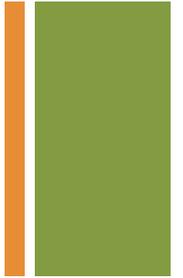
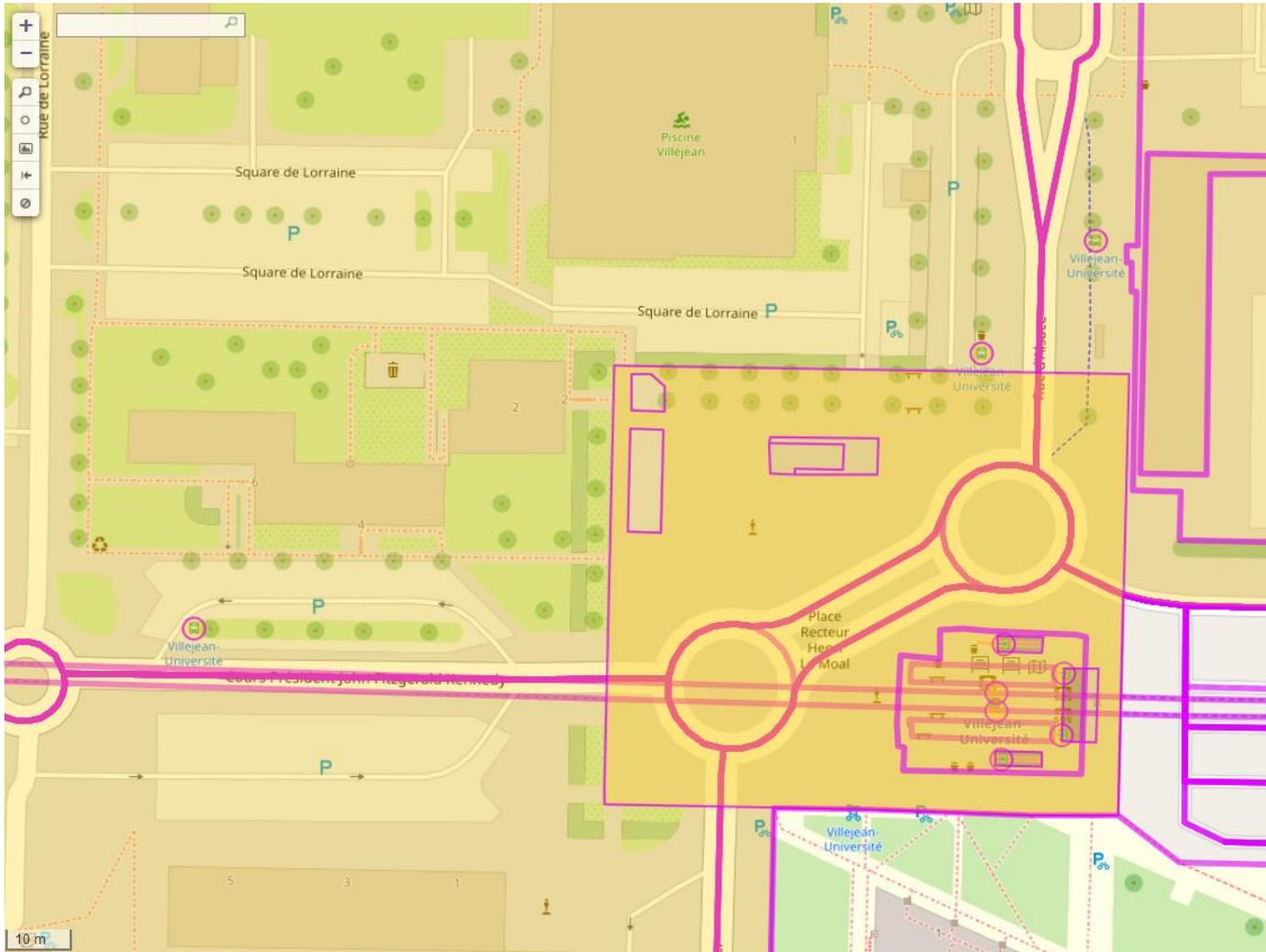
+ Nodes



+ Ways



+ Relations



+ La folksonomie OSM



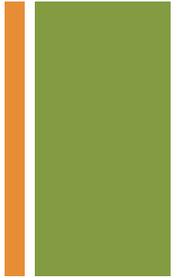
Une sémantique bien particulière

À chacun des trois éléments peuvent être associés un ou plusieurs **tags (balises)** permettant de le caractériser (étiquetage) les objets cartographiés

- **Approche basée sur une folksonomie en perpétuelle évolution**
- « Indexation personnelle, est un système de classification collaborative décentralisée spontanée, basé sur une indexation effectuée par des non-spécialistes »
- La folksonomie d'OSM bénéficie d'une grande flexibilité et surtout d'une véritable évolutivité



La folksonomie OSM

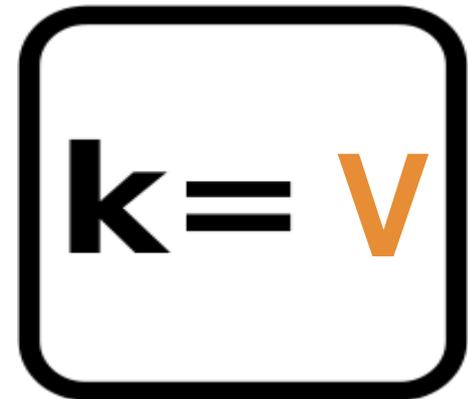


Le schéma des tags repose sur le fonctionnement
<clé>=<valeur> (*key=value*)

→ Possibilité d'associer plusieurs tags à un objet

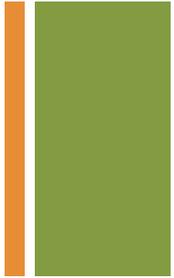
Par exemple pour indiquer qu'un trait correspond à une route secondaire, en sens unique, de vitesse maximale 90 km/h et munie d'une bande cyclable, on utilisera :

- [highway](#)=[secondary](#)
- [oneway](#)=yes
- [maxspeed](#)=90
- [cycleway](#)=lane





La folksonomie OSM



Route résidentielle



highway = residential
name = Rue d'Alsace
oneway = yes
surface = paving_stones
maxspeed = 30

Arrêts de bus



bus = yes
highway = bus_stop
name = Villejean-Université
public_transport = platform
shelter = no
wheelchair = yes

Immeuble résidentiel



building = yes
building = apartments
building:colour = white
building:levels = 2
building:material = glass

* OBJETS

Nombre d'objets:	8 500 327 219
Nombre de tags:	2 646 933 272

o NŒUDS

Nombre de nœuds:	7 637 107 287
Nombre de nœuds avec au moins un tag:	192 157 692
Pourcentage de nœuds avec au moins un tag:	2.51%
Nombre de tags sur les nœuds:	632 651 587
Nombre moyen de tags par nœud taggué:	3.29

k=v TAGS

Nombre de clés distinctes:	86 374
Nombre de tags distincts:	132 297 337

• CHEMINS

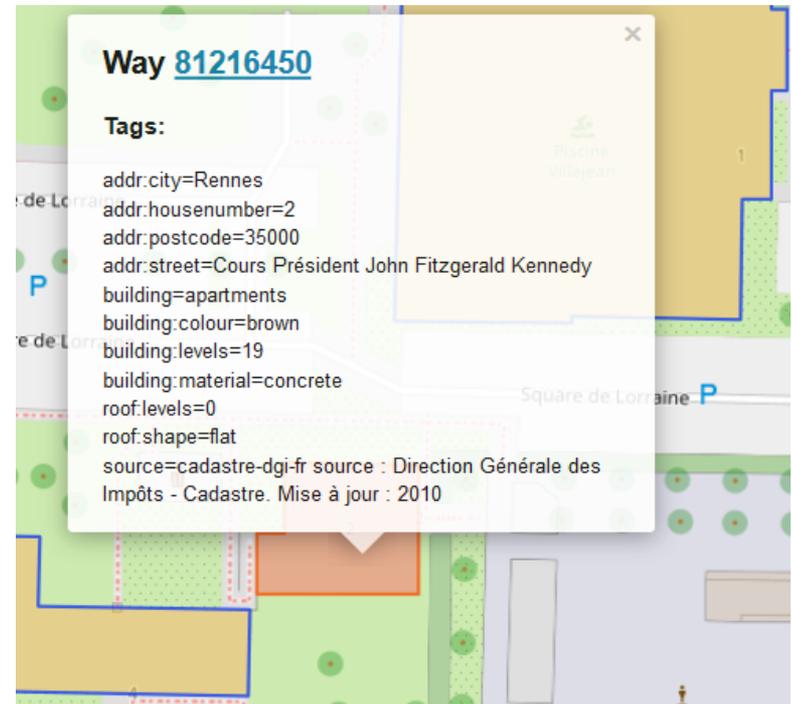
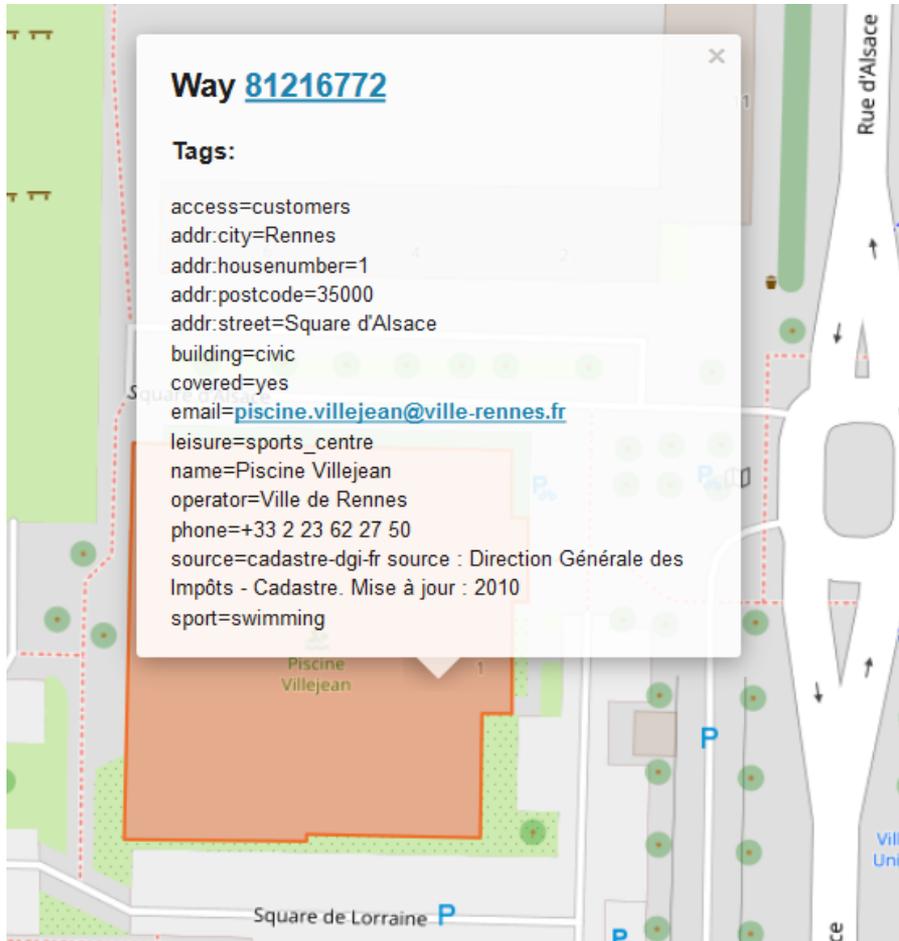
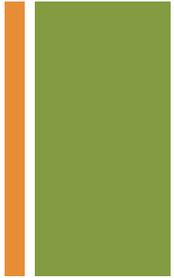
Nombre de chemins:	853 377 080
Nombre de chemins fermés:	597 175 031
Nombre de tags sur les chemins:	1 974 951 115
Nombre moyen de tag par chemin:	2.31

•• RELATIONS

Nombre de relations:	9 842 852
Nombre de tags sur les relations:	39 330 570
Nombre moyen de tag par relation:	3.99

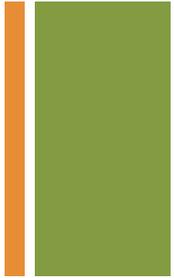


La folksonomie OSM





La folksonomie OSM



Node [1226405956](#)

Tags:

- addr:street=Place Recteur Henri Le Moal
- amenity=bicycle_rental
- capacity=26
- name=Villejean-Université
- network=LE vélo STAR
- old_ref=52
- operator=Kéolis Rennes
- payment:credit_cards=yes
- ref=5552
- source=Kéolis Rennes (septembre 2018)
- wheelchair=yes

Coordinates:

48.1210768 / -1.7042335 (lat/lon)

Node [1425717225](#)

Tags:

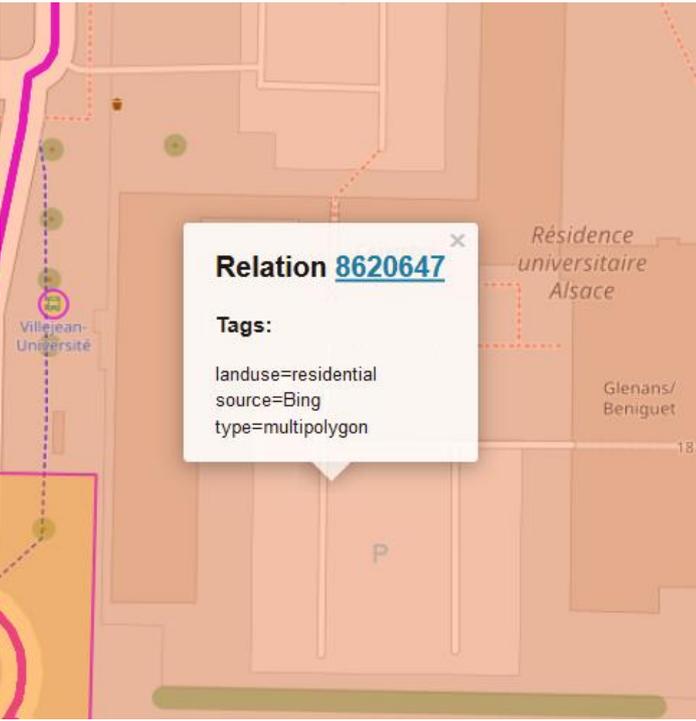
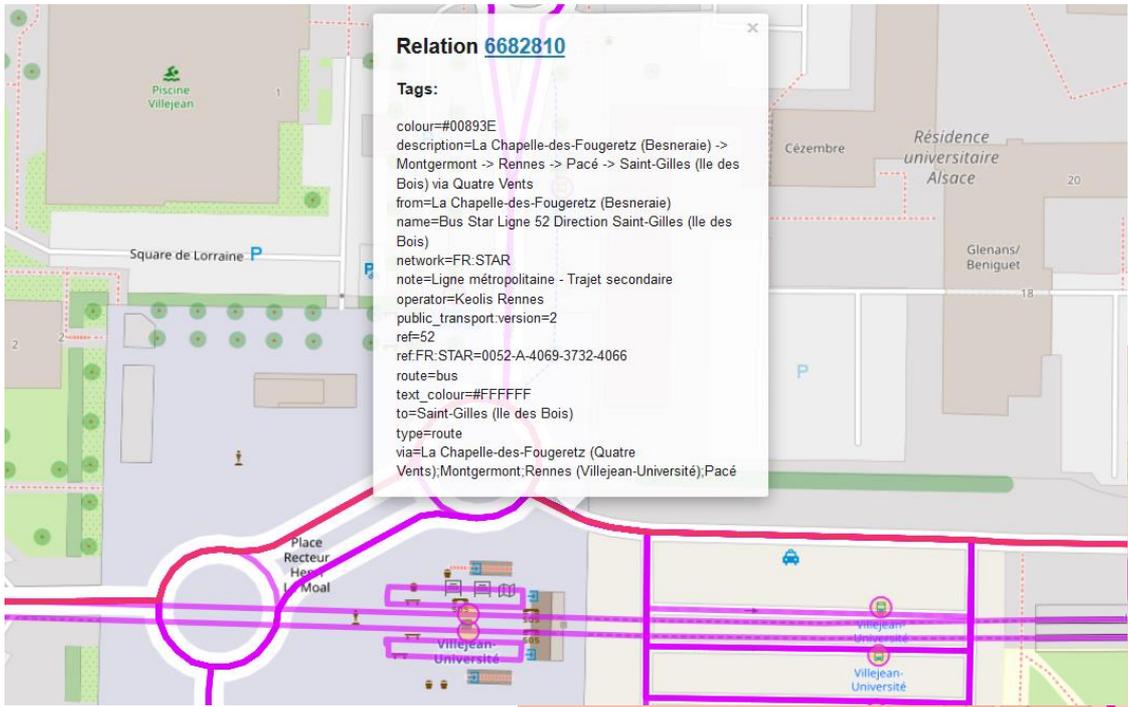
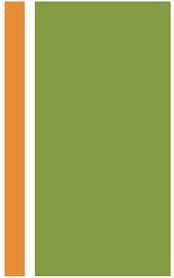
- bench=yes
- highway=bus_stop
- name=Villejean-Université
- network=FR:STAR
- operator=Keolis Rennes
- public_transport=platform
- public_transport:version=2
- ref.FR:STAR=1494
- shelter=yes
- source=Keolis Rennes 5 mai 2016
- wheelchair=yes

Coordinates:

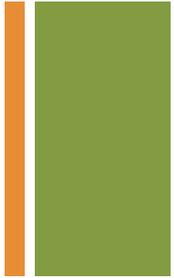
48.1212655 / -1.7029669 (lat/lon)



La folksonomie OSM



+ La folksonomie OSM



Routes

- Documentation

<http://wiki.openstreetmap.org/wiki/Key:highway>

Key = **highway**

Value =

- motorway
- Trunk
- Primary
- Secondary
- ...

Key	Value	Element	Comment	Rendering	Photo
Roads					
These are the principal tags for the road network. They range from the most to least important.					
highway	motorway		A restricted access major divided highway, normally with 2 or more running lanes plus emergency hard shoulder. Equivalent to the Freeway, Autobahn, etc.		
highway	trunk		The most important roads in a country's system that aren't motorways. (Need not necessarily be a divided highway.)		
highway	primary		The next most important roads in a country's system. (Often link larger towns.)		
highway	secondary		The next most important roads in a country's system. (Often link towns.)		
highway	tertiary		The next most important roads in a country's system. (Often link smaller towns and villages)		
			The least most important through roads in a country's		

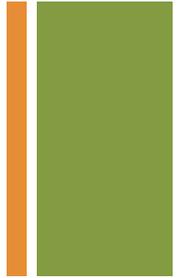
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Quick OSM

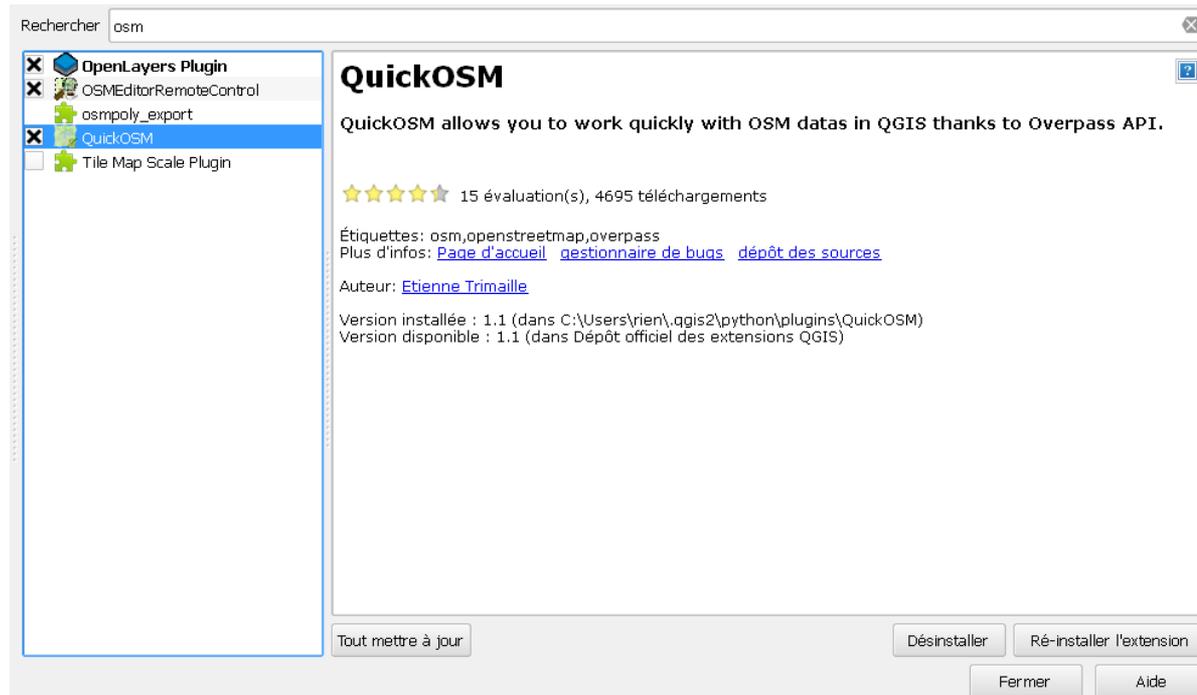




Quick OSM

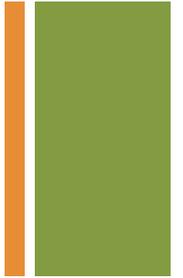


- Extension QGIS qui permet de récupérer des données selon des requêtes (avec des critères) et selon une entrée géographique comme une ville par exemple
- Basée sur l'API Overpass

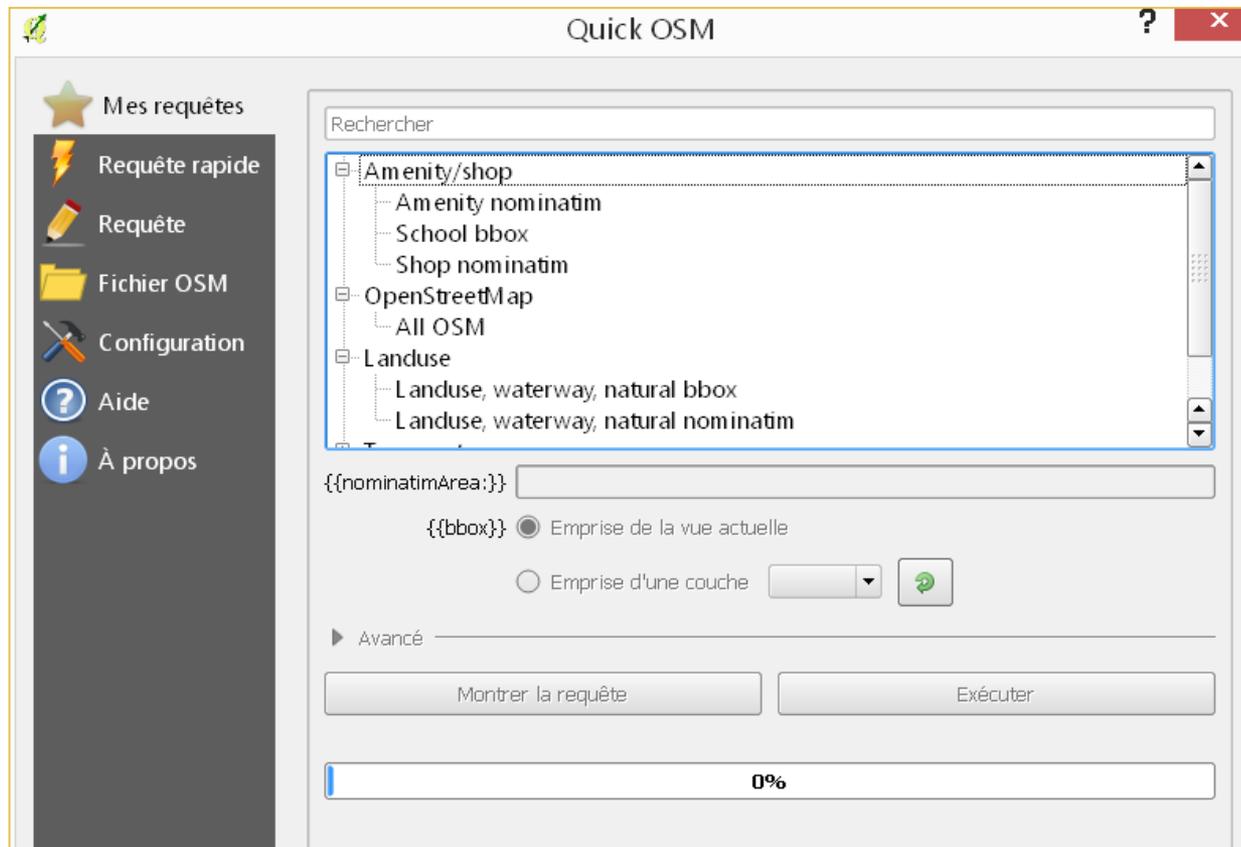




Quick OSM

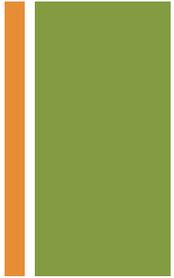


"Mes requêtes" = requêtes pré-enregistrées



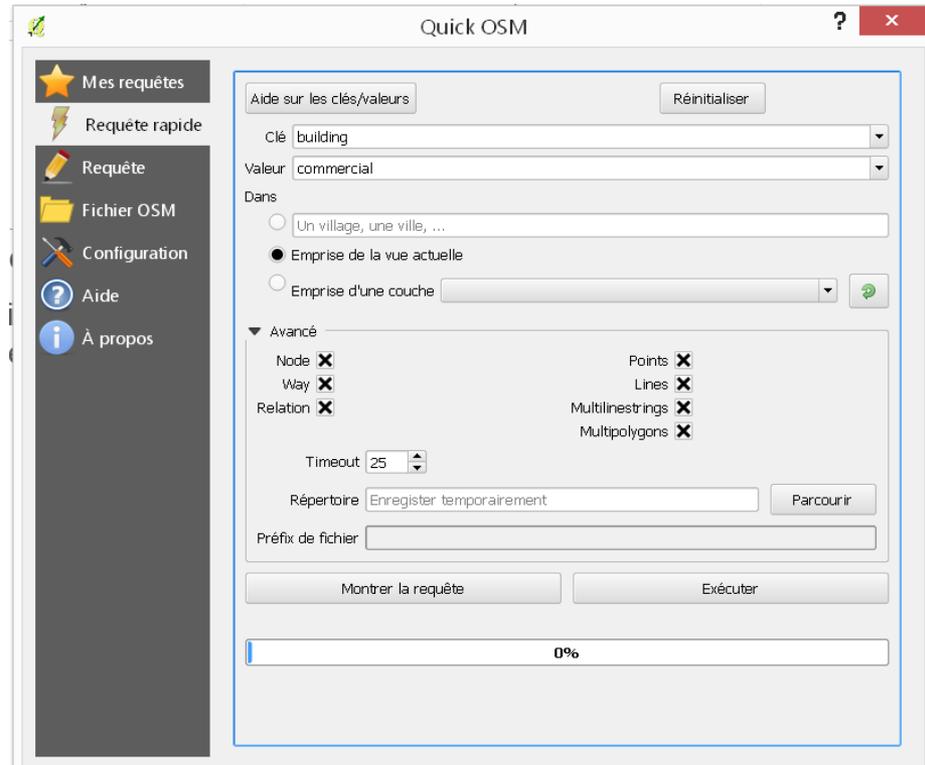


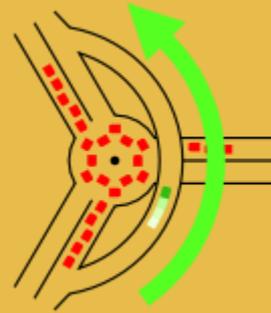
Quick OSM



Requête rapide permet de requêter une clé et une valeur

- Possibilité de filtrer les informations selon une entrée thématique (type de route, type de bâtiment, type de magasin, etc.)



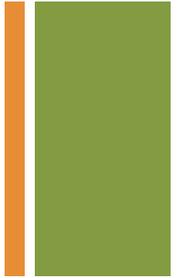


Overpass
API

+ API Overpass
&
Overpass turbo



API Overpass



L'API Overpass est une **API en lecture seule qui sert à importer des données cartographiques OSM.**

Elle se comporte comme une base de données sur le web : le client envoie une requête à l'API et récupère l'ensemble de données correspondant à la requête.

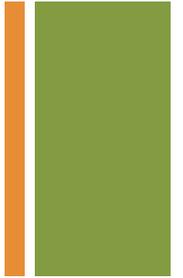
Contrairement à l'[API](#) principale qui est optimisée pour l'édition, l'API Overpass est optimisée pour les utilisateurs de données qui ont besoin de données

- sélectionnés par des critères de recherche comme par exemple l'emplacement, le type d'objets, les propriétés des balises, leur proximité, ou leurs combinaisons.





Overpass turbo



Overpass turbo, un outil web **d'exploration**, de **filtrage** et de **récupération** de données OSM

Avec overpass turbo vous pouvez exécuter (plus simplement) des requêtes de l'API Overpass et visualiser directement les données OSM sur une carte interactive

Il existe un assistant intégré qui permet de créer des requêtes facilement

Plus d'informations au sujet d'[overpass turbo](#) et sur la création de [requêtes Overpass](#) peuvent être trouvées sur le wiki OSM.

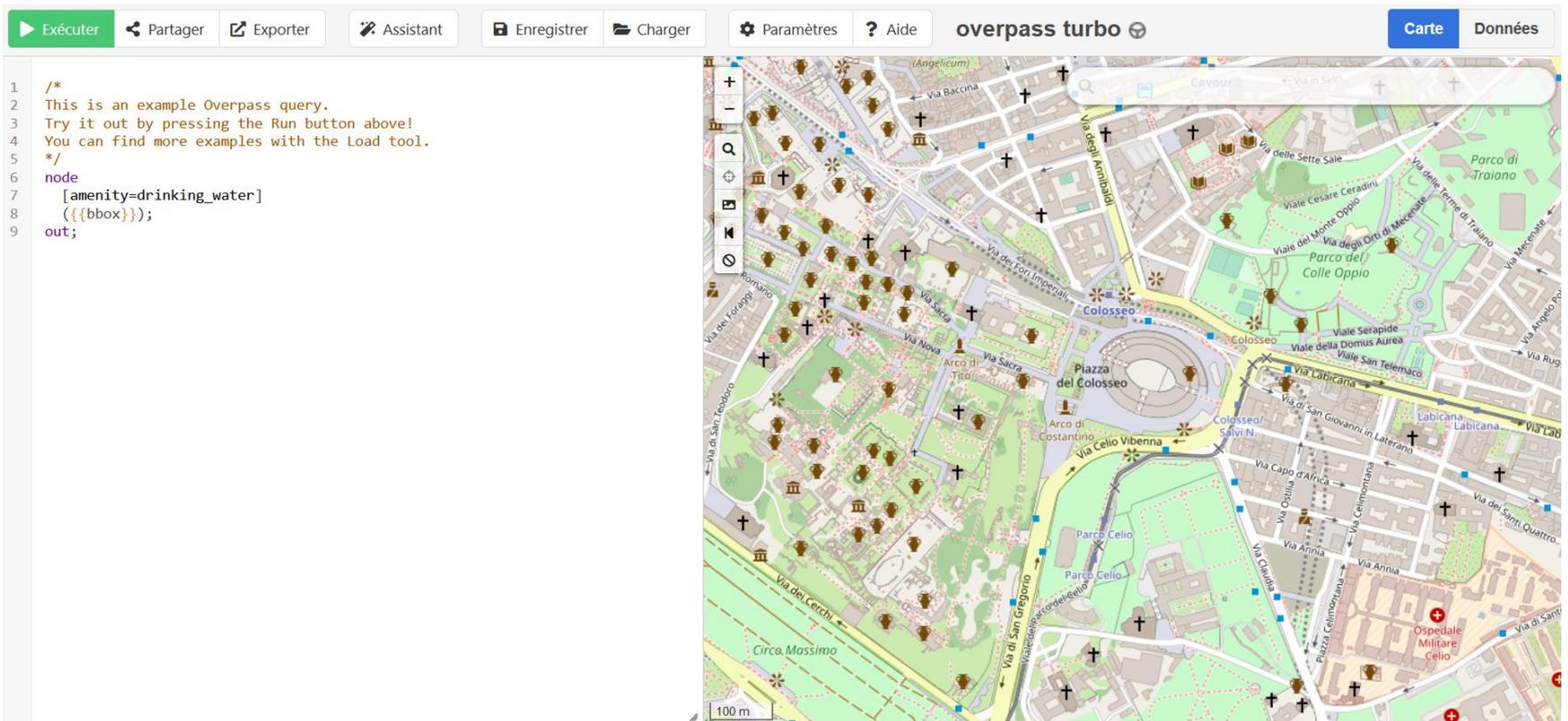
<https://overpass-turbo.eu/>

+

Requêtes classiques

+ L'interface globale

<https://overpass-turbo.eu/>



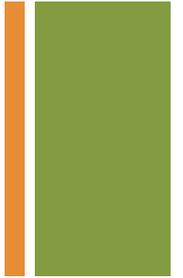
The screenshot displays the Overpass Turbo web interface. At the top, there is a navigation bar with buttons for 'Exécuter', 'Partager', 'Exporter', 'Assistant', 'Enregistrer', 'Charger', 'Paramètres', and 'Aide'. The title 'overpass turbo' is centered, and 'Carte' and 'Données' are on the right. Below the navigation bar is a code editor with the following text:

```
1 /*  
2 This is an example Overpass query.  
3 Try it out by pressing the Run button above!  
4 You can find more examples with the Load tool.  
5 */  
6 node  
7   [amenity=drinking_water]  
8   {{{bbox}}};  
9 out;
```

The main area shows a map of Rome, Italy, with a search bar at the top right containing 'Cavour'. The map displays various landmarks, including the Colosseum, Piazza del Colosseo, and Parco del Celio. A search bar at the top right contains the text 'Cavour'. The map shows a grid of streets and several brown icons representing drinking water amenities. A scale bar at the bottom left indicates 100 meters.



Changer le fond de carte



Paramètres

Par exemple « 400px », laissez vide pour la valeur par défaut

Carte

Serveur de tuiles

Opacité des Tuiles

Opacité des tuiles d'arrière-plan: 0=transparent ... 1=visible

Affiche un repère au centre de la carte

N'affiche pas les petits objets comme points d'intérêts.

Affiche des statistiques à propos des données chargées et affichées.

Partager

Inclure l'état actuel de la carte dans les permaliens

#URIs that work with Overpass Turbo Go to Settings > Map and change the URI to your server of choice.

The default is: `://{s}.tile.openstreetmap.org/{z}/{x}/{y}.png`

The following tile servers also work:

- Humanitarian: `://{s}.tile.openstreetmap.fr/hot/{z}/{x}/{y}.png`
- Mapnik, Grayscale: `//tiles.wmflabs.org/bw-mapnik/{z}/{x}/{y}.png`
- Thunderforest
 - Landscape: `://{s}.tile.thunderforest.com/landscape/{z}/{x}/{y}.png`
 - Neighbourhood: `://{s}.tile.thunderforest.com/neighbourhood/{z}/{x}/{y}.png`
 - Outdoors: `://{s}.tile.thunderforest.com/outdoors/{z}/{x}/{y}.png`
 - Mobile Atlas: `://{s}.tile.thunderforest.com/mobile-atlas/{z}/{x}/{y}.png`
 - Transport: `://{s}.tile.thunderforest.com/transport/{z}/{x}/{y}.png`
- Mapbox
 - Satellite: `{s}.tiles.mapbox.com/v4/mapbox.satellite/{z}/{x}/{y}.jpg?access_token=pk.eyJ1Ijoib3B1bnN0cmVldG1hcCI9ImEiOiJja2w5YmV5bnVhZmMnFwZjhtbHk1MnA1In0.eq2aumBK6JuRoIuBm6Gew`
 - Wheatpaste: `https://{s}.tiles.mapbox.com/v4/mapbox.wheatpaste/{z}/{x}/{y}.png?access_token=pk.eyJ1Ijoib3B1bnN0cmVldG1hcCI9ImEiOiJncjlmZD0t3In0.DmZsIe0W-3x-C5eX-wAqTw`
 - Comic: `http://api.mapbox.com/v4/mapbox.comic.html?access_token=pk.eyJ1Ijoib3B1bnN0cmVldG1hcCI9ImEiOiJncjlmZD0t3In0.DmZsIe0W-3x-C5eX-`

<https://gist.github.com/govvin/a095afd2fd53c9e5f2af232ef55ffde1>

+ Requêtes classiques

Extraire les routes selon une valeur (hierarchie)

- Les routes principales (trunk)

Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide Enjoy OpenStreetMap de overpass turbo

Type Key Value

way highway trunk

```
2 This has been generated by the overpass-turbo wizard.  
3 The original search was:  
4  
8 (   
9 // query part for: "route"  
10 way["highway"="trunk"]({{bbox}});  
11 );  
12 // print results  
13 out body;  
14 >;  
15 out skel qt;
```

{{bbox}}

Emprise

<https://overpass-turbo.eu/s/NSr>



Paramètres d'export



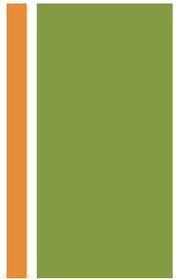
The *out* statement can be configured with an arbitrary number of parameters that are appended, separated by whitespace, between the word *out* and the semicolon.

Allowed values, in any order, are:

- One of the following for the degree of verbosity of the output; the default is `body`:
 - **ids**: Print only the ids of the elements in the set.
 - **skel**: Print the minimum information necessary for geometry:
 - for *nodes*: id and coordinates
 - for *ways*: id and the ids of its member nodes
 - for *relations*: id of the relation, and the id, type, and role of all of its members.
 - **body**: Print all information necessary to use the data. These are also tags for all elements and the roles for relation members.
 - **tags**: Print only ids and tags for each element and not coordinates or members.
 - **meta**: Print everything known about the elements. *meta* includes everything output by *body* for each OSM element, as well as the version, changeset id, timestamp, and the user data of the user that last touched the object. Derived elements' metadata attributes are also missing for derived elements. The modifier *noids* lets all ids to be omitted from the statement.



Paramètres d'export



out body

id	@id	highway	int_ref	lanes	legal	lit	looks_like	maxspeed	motorroad	name	oneway	ref
1	node/6746011943	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
2	node/6746011942	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
3	node/6746011947	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
4	node/6746011944	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
5	node/6032772386	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
6	node/5081278620	motorway_junction	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Porte de Brest	NULL	12
7	node/6746011941	traffic_signals	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
8	node/6746011940	traffic_signals	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
9	node/6767266083	motorway_junction	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Porte de Saint-Malo	NULL	13b
10	node/6746011948	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
11	node/4249241146	motorway_junction	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Porte de Besuregard	NULL	13a
12	node/3794418362	milestone	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	A84
13	node/4544148244	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
14	node/4544148233	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
15	node/3029169940	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
16	node/2626016894	traffic_signals	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
17	node/3560888991	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
18	node/3029169958	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
19	node/4616799148	motorway_junction	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Porte de Normandie	NULL	16
20	node/4556247439	motorway_junction	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
21	node/4773815229	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
22	node/4616799169	motorway_junction	NULL	NULL	NULL	NULL	NULL	NULL	NULL	Porte de Normandie	NULL	16
23	node/4544148379	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
24	node/1333397667	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL
25	node/4544148283	give_way	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

out skl

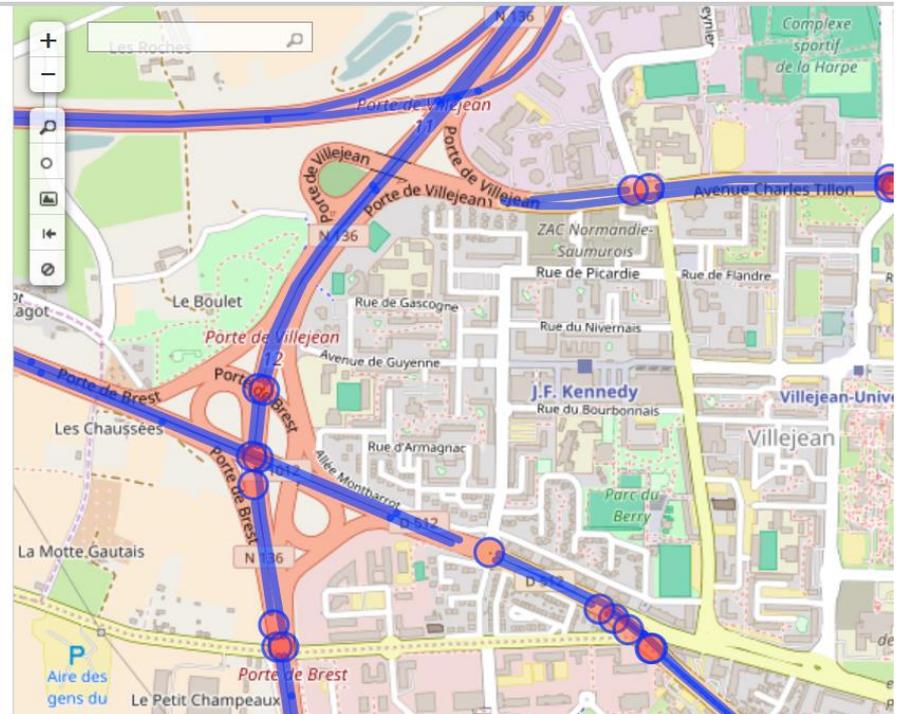
	id	@id
1	node/1842799974	node/1842799974
2	node/1842799971	node/1842799971
3	node/1842799979	node/1842799979
4	node/1842799976	node/1842799976
5	node/1842799965	node/1842799965
6	node/1842799959	node/1842799959
7	node/1842799970	node/1842799970
8	node/1842799967	node/1842799967
9	node/1842800008	node/1842800008
10	node/1842800007	node/1842800007
11	node/1842800012	node/1842800012
12	node/1842800009	node/1842800009
13	node/1842800003	node/1842800003

+ Requêtes classiques

Combiner 2 critères

- Les grandes routes principales (*trunk*) et les routes principales (*primary*)

```
1  /*
2  This has been generated by the overpass-turbo wizard.
3  The original search was:
4  "route"
5  */
6  [out:json][timeout:25];
7  // gather results
8
9  // query part for: "route"
10 way["highway"="trunk"]({{bbox}});
11 way["highway"="primary"]({{bbox}});
12
13 );
14 // print results
15 out body;
16 >;
17 out skel qt;
```



+ Requêtes classiques

Ajouter un critère de vitesse

- Les routes limitées à 30kmh (*maxspeed*)
- <http://wiki.openstreetmap.org/wiki/Key:maxspeed>

Enjoy OpenStreetMap data? Support OSM's 2016 donation d

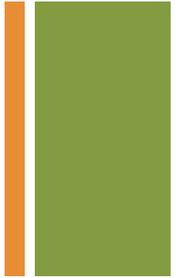
overpass turbo

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "route"
5 */
6 [out:json][timeout:25];
7 // gather results
8
9 // query part for: "route"
10 way["highway"]["maxspeed"="30"]>{{bbox}};
11
12 };
13 // print results
14 out body;
15 >;
16 out skel qt;
```

Chargé – nœuds: 400, cf
Affiché – points d'intérêt - POIs: 0, li



Modifier l'emprise de la recherche



Deux options :

1. Utiliser l'emprise de la carte (bbox)

```
way ["highway"="trunk"](bbox);
```

2. Utiliser un nom de lieux (ville, région, pays,...)

```
geocodeArea:rennes->.searchArea;  
way ["highway"="trunk"](area.searchArea);
```



Modifier l'emprise de la recherche



raccourci	description	exemple	remplacé par	
			(XML-query)	(OverpassQL)
<code>{{bbox}}</code>	Est remplacé par les coordonnées de la boîte englobante de la fenêtre de la carte courante.	<code>{{bbox}}</code>	<code>s="48..." w="16..." n="49..." e="17..."</code>	<code>48...,16...,49...,17...</code>
<code>{{center}}</code>	Est remplacé par les coordonnées du centre de la fenêtre de la carte courante.	<code>{{center}}</code>	<code>lat="48..." lon="16..."</code>	<code>48...,16...</code>
<code>{{date:string}}</code>	Est remplacé par le date-time-string ISO 8601 d'une date relative dans le passé. Par exemple, <code>{{date:1 day}}</code> est remplacé par l'horodatage 24 heures avant. Les unités de temps autorisées sont : seconde(s), minute(s), heure(s), jour(s), semaine(s), mois et année(s).	<code>{{date:1 day}}</code>	<code>2013-11-24T22:55:36.201Z</code>	
<code>{{geocodeId:name}}</code>	Est remplacé par l'ID OSM du premier résultat d'une recherche géographique (ex par Nominatim) du <i>name</i> .	<code>{{geocodeId:Vienna}}</code>	<code>type="relation" ref="1645..."</code>	<code>relation(1645...)</code>
<code>{{geocodeArea:name}}</code>	Est remplacé par l'ID Overpass-Area du premier résultat d'une recherche géographique (ex par Nominatim) du <i>name</i> .	<code>{{geocodeArea:Vienna}}</code>	<code>type="area" ref="3601645..."</code>	<code>area(3601645...)</code>
<code>{{geocodeBbox:name}}</code>	Est remplacé par la bbox du premier résultat d'une recherche géographique (ex par Nominatim) du <i>name</i> .	<code>{{geocodeBbox:Vienna}}</code>	<code>s="48..." w="16..." n="49..." e="17..."</code>	<code>48...,16...,49...,17...</code>
<code>{{geocodeCoords:name}}</code>	Est remplacé par les coordonnées (barycentre) du premier résultat d'une recherche géographique (ex par Nominatim) du <i>name</i> .	<code>{{geocodeCoords:Vienna}}</code>	<code>lat="48..." lon="16..."</code>	<code>48...,16...</code>

https://wiki.openstreetmap.org/wiki/FR:Overpass_turbo/Requ%C3%AAtes_Overpass_Turbo_%C3%A9tendues



Emprise de la recherche

Choisir la zone d'interrogation (emprise de la requête)

- Récupérer les **routes** à **sens uniques** et **limitées à 30km/h** à **Rennes**

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "highway=trunk in Rennes"
5 */
6 [out:json][timeout:25];
7 // fetch area "Rennes" to search in
8 {{geocodeArea:Rennes}}->.searchArea;
9 // gather results
10 (
11 // query part for: "highway=trunk"
12 way["highway"]["maxspeed"="30"]["oneway"="yes"]
13 (area.searchArea);
14 );
15 // print results
16 out body;
17 >;
18 out skel qt;
```



```
[out:json][timeout:25];

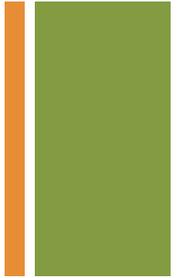
{{geocodeArea:rennes}}->.searchArea;

way ["highway"] ["oneway"="yes"] ["maxspeed"="30"](area.searchArea);

out body;
>;
out skel qt;
```



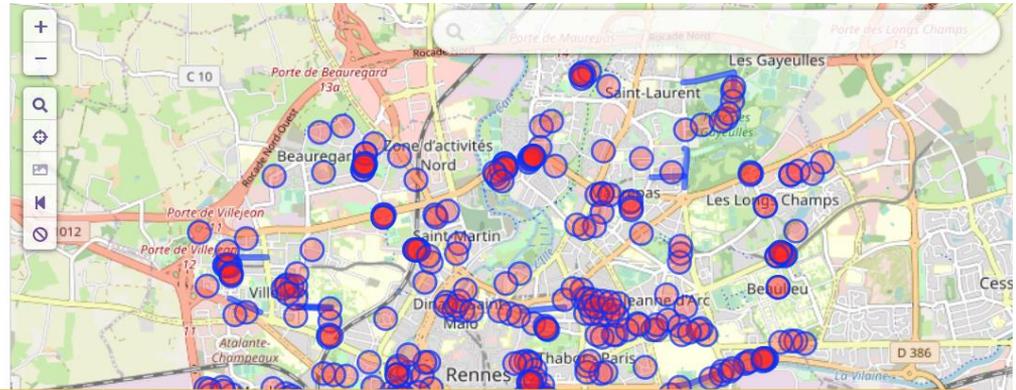
Emprise de la recherche



Choisir la zone d'interrogation (emprise de la requête)

- Récupérer les **routes** à **sens uniques** et **limitées à 30km/h** à **Rennes**

```
1 [out:json][timeout:25];  
2  
3 area["ref:INSEE"="35238"];  
4  
5 way ["highway"] ["oneway"="yes"] ["maxspeed"="30"] (area);  
6  
7 out body;  
8 >;  
9 out skel qt;  
10
```



```
[out:json][timeout:25];  
  
area["ref:INSEE"="35328"];  
  
way ["highway"] ["oneway"="yes"] ["maxspeed"="30"] (area);  
  
out body;  
>;  
out skel qt;
```



Emprise de la recherche

Choisir la zone d'interrogation (emprise de la requête)

- Récupérer les **routes** à **sens uniques** et **limitées à 30km/h** à **Nantes**

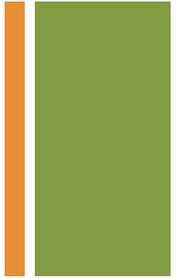
The screenshot shows a web application interface with a search query and its results. The search query is displayed in a code editor on the left, and the results are shown as a map on the right.

```
1 /*  
2 This has been generated by the overpass-turbo wizard.  
3 The original search was:  
4 "route in rennes"  
5 */  
6 [out:json][timeout:25];  
7 // fetch area "rennes" to search in  
8 [[geocodeArea:nantes]]->.searchArea;  
9 // gather results  
10 (  
11 // query part for: "route"  
12 way ["highway"] ["maxspeed"="30"] ["oneway"="yes"](area.searchArea);  
13 );  
14 // print results  
15 out body;  
16 >;  
17 out skel qt;
```

The map on the right shows the city of Nantes, France, with numerous red and blue circular markers indicating the results of the search. The markers are concentrated in the central urban area, particularly around the Loire river and the city center. The map includes labels for various districts and landmarks, such as Le Petit Chantilly, Pont du Cens, Petit Port, Grand Clos, La Haluchère, Le Vieux Doulon, Breil-Malville, Dervallières, Dalby, Saint-Sébastien-sur-Loire, and Le Château. The map also shows the Loire river and several bridges. The interface includes a search bar, a map control panel, and a status bar at the bottom right indicating the number of nodes, ways, and relations found.



Emprise de la recherche

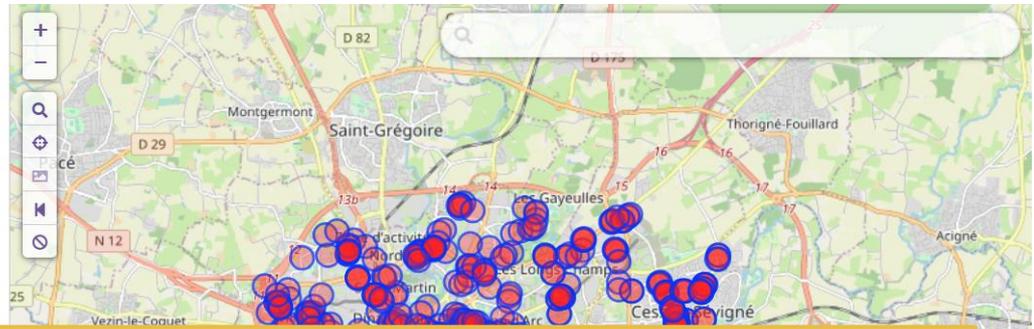


Choisir la zone d'interrogation (emprise de la requête)

- Récupérer les **routes** à **sens uniques** et **limitées à 30km/h** à **Rennes, Saint Jacques de la Lande et Cesson Sévigné**

```
1 [out:json][timeout:25];
2
3
4
5
6
7
8
9
10
11
12
13
14
```

```
area["ref:INSEE"="35238"]; // Rennes
area["ref:INSEE"="35281"]; // St Jacques
area["ref:INSEE"="35051"]; // Cesson
)->.villes;
way ["highway"] ["oneway"="yes"] ["maxspeed"="30"] (area.villes);
```



```
( area["ref:INSEE"="35238"]; // Rennes
area["ref:INSEE"="35281"]; // St Jacques
area["ref:INSEE"="35051"]; // Cesson
)->.villes;

way ["highway"] ["oneway"="yes"] ["maxspeed"="30"] (area);

out body;
>;
out skel qt;
```

+ Requêtes classiques

Amenity

- Documentation

<http://wiki.openstreetmap.org/wiki/Key:amenity>

Key = **highway**

Value =

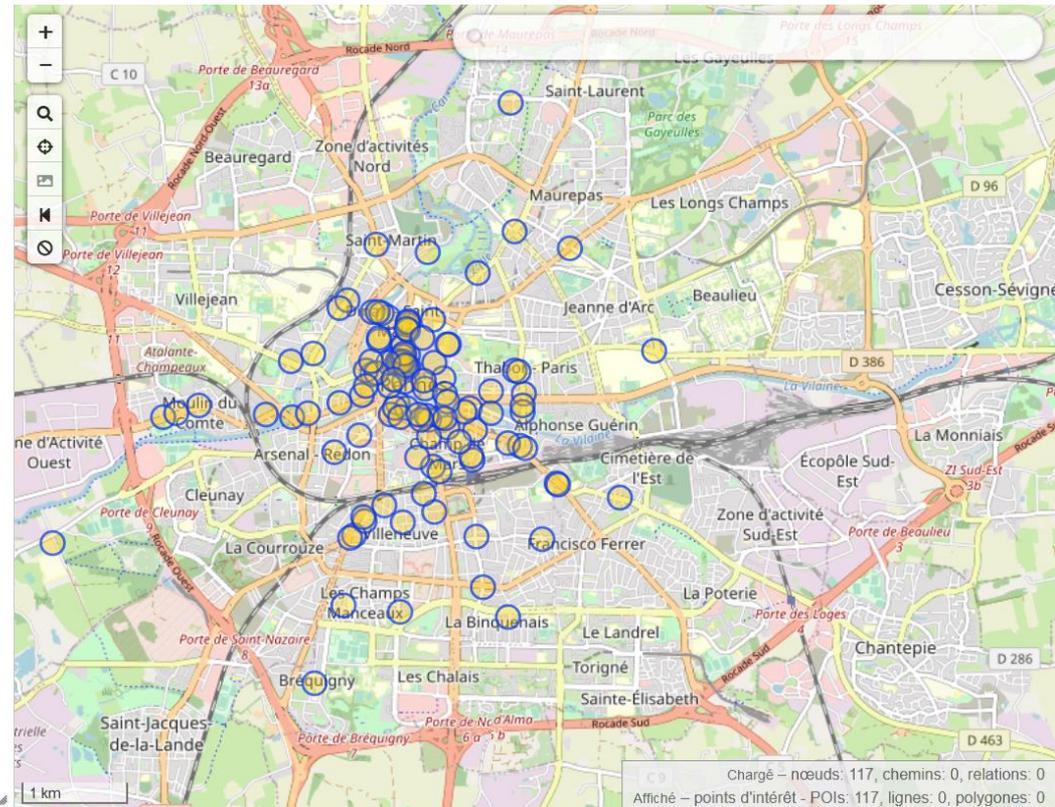
- bar
- recycling
- bench
- school
- ...

Key	Value	Element	Comment	Rendering	Photo
Sustenance					
amenity	bar		Bar is a purpose-built commercial establishment that sells alcoholic drinks to be consumed on the premises. They are characterised by a noisy and vibrant atmosphere, similar to a party and usually don't sell food. See also the description of the tags <code>amenity=pub;bar;restaurant</code> for a distinction between these.		
amenity	bbq		BBQ or Barbecue is a permanently built grill for cooking food, which is most typically used outdoors by the public. For example these may be found in city parks or at beaches. Use the tag <code>fuel=*</code> to specify the source of heating, such as <code>fuel=wood;electric;charcoal</code> . For mapping nearby table and chairs, see also the tag <code>tourism=picnic_site</code> . For mapping campfires and firepits, instead use the tag <code>leisure=firepit</code> .		
amenity	biergarten		Biergarten or beer garden is an open-air area where alcoholic beverages along with food is prepared and served. See also the description of the tags <code>amenity=pub;bar;restaurant</code> . A biergarten can commonly be found attached to a beer hall, pub, bar, or restaurant. In this case, you can use <code>biergarten=yes</code> additional to <code>amenity=pub;bar;restaurant</code> .		
amenity	cafe		Cafe is generally an informal place that offers casual meals and beverages; typically, the focus is on coffee or tea. Also known as a <code>coffeehouse/shop</code> , <code>bistro</code> or <code>sidewalk cafe</code> . The kind of food served may be mapped with the tags <code>cuisine=*</code> and <code>diet=*</code> . See also the tags <code>amenity=restaurant;bar;fast_food</code> .		
amenity	drinking_water		Drinking water is a place where humans can obtain potable water for consumption. Typically, the water is used for only drinking. Also known as a <code>drinking fountain</code> or <code>bubbler</code> .		

+ Requêtes classiques

→ Extraire les bars

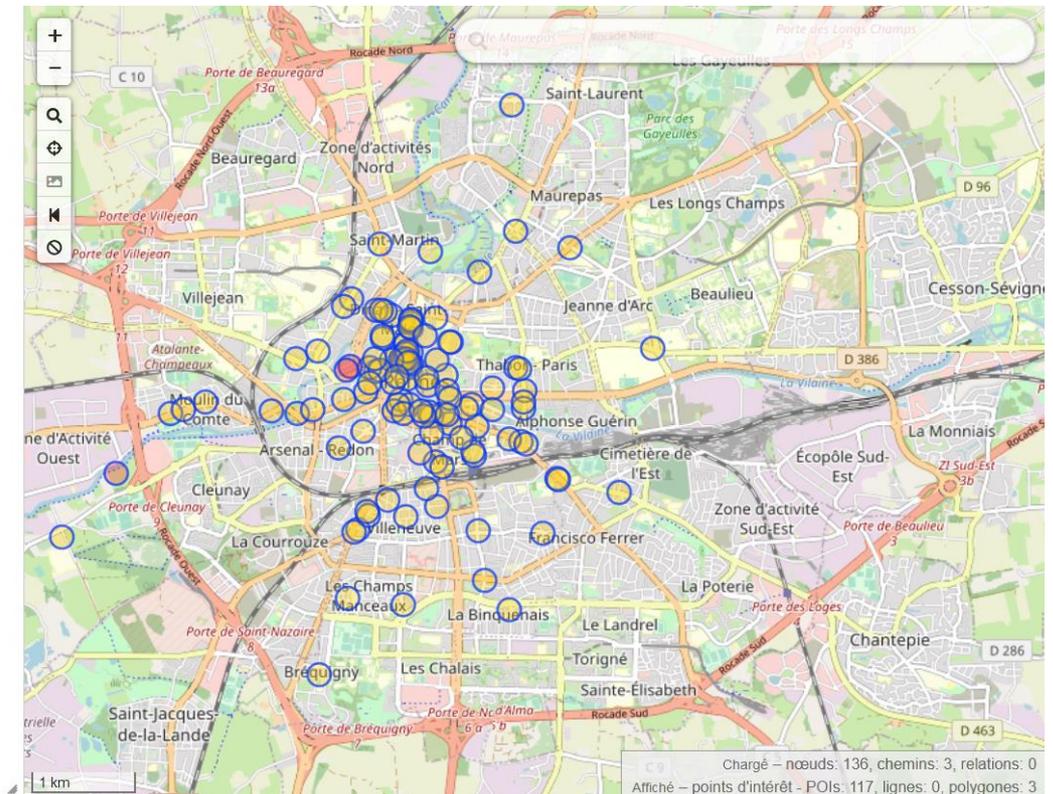
```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6 [out:json][timeout:25];
7 // fetch area "rennes" to search in
8 {{geocodeArea:rennes}}->.searchArea;
9 (.searchArea)
10
11 // query part for: "bar"
12 node["amenity"="bar"](area.searchArea);
13
14
15 // print results
16 out body;
17 >;
18 out skel qt;
```



+ Requêtes classiques

→ Extraire les bars (plusieurs types d'objets)

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6 [out:json][timeout:25];
7 // fetch area "rennes" to search in
8 {{geocodeArea:rennes}}->.searchArea;
9 // gather results
10
11 // query part for: "bar"
12 node["amenity"="bar"](area.searchArea);
13 way["amenity"="bar"](area.searchArea);
14 relation["amenity"="bar"](area.searchArea);
15
16 // print results
17 out body;
18 >;
19 out skel qt;
```

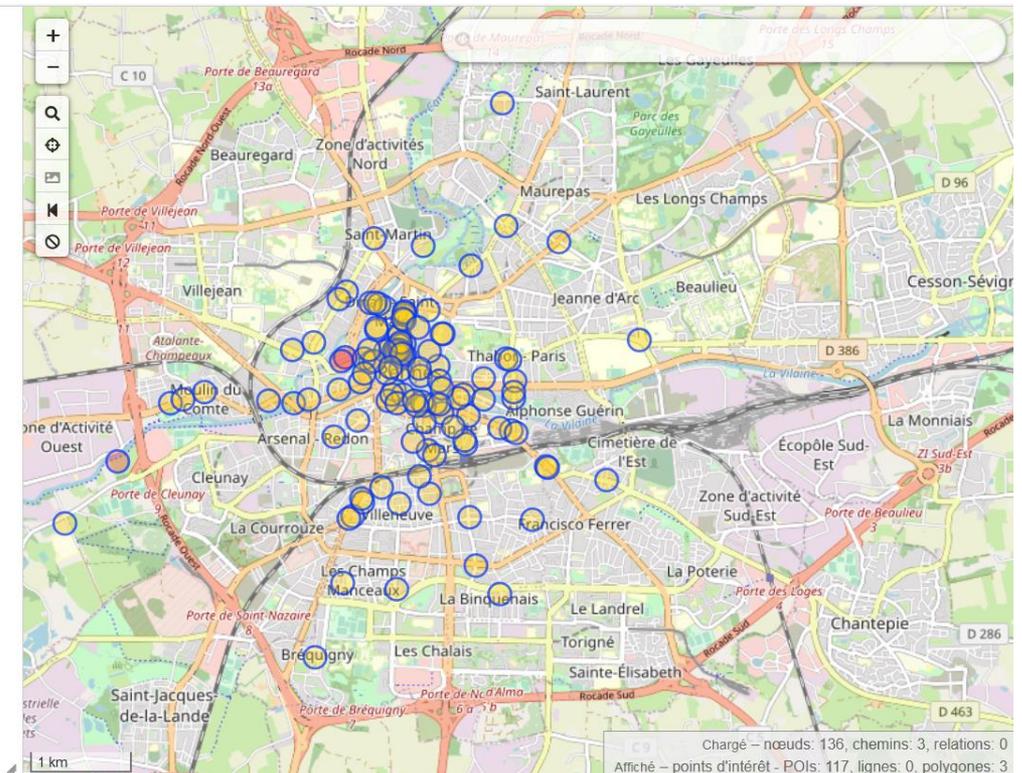


+ Requêtes classiques

→ Extraire les bars (plusieurs types d'objets)

L'instruction **nwr** permet en une requête de chercher les nodes, ways et relations, en y appliquant les mêmes filtres

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6 [out:json][timeout:25];
7 // fetch area "rennes" to search in
8 {{geocodeArea:rennes}}->.searchArea;
9 // gather results
10
11 // query part for: "bar"
12 nwr["amenity"="bar"](area.searchArea);
13
14 );
15 // print results
16 out body;
17 >;
18 out skel qt;
```

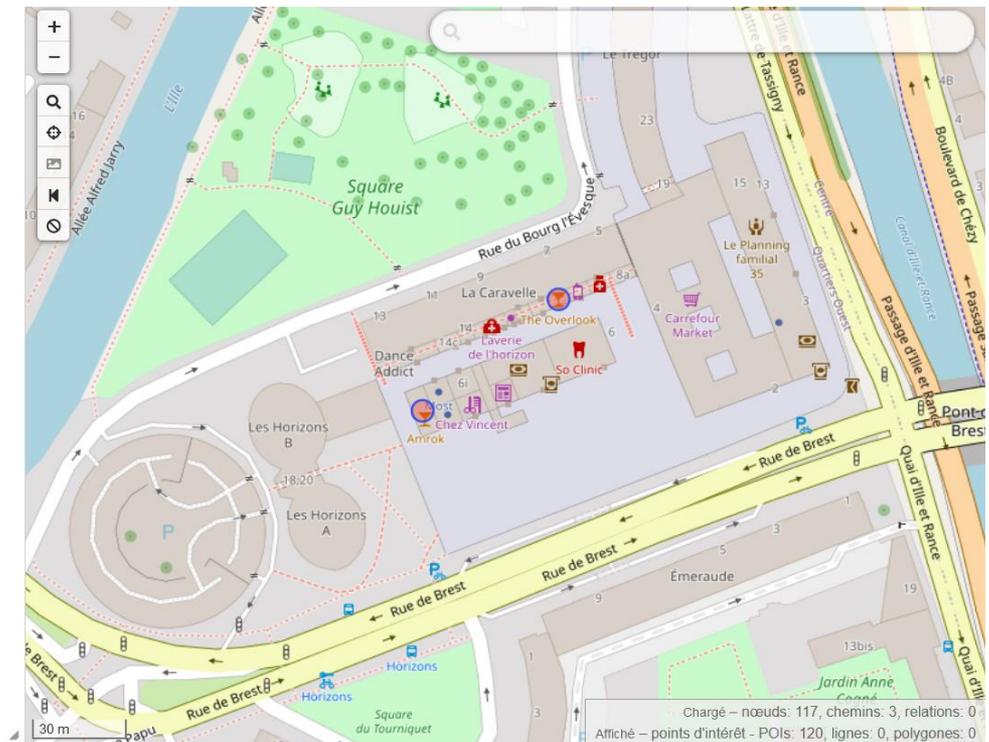


+ Requêtes classiques

→ Extraire les bars (plusieurs types d'objets)

L'instruction **out center** permet de transformer les ways et relations en nodes (centroïdes)

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6 [out:json][timeout:25];
7 // fetch area "rennes" to search in
8 {{geocodeArea:rennes}}->.searchArea;
9 // gather results
10 (
11 // query part for: "bar"
12 nwr["amenity"="bar"](area.searchArea);
13 );
14 // print results
15 out center;
```

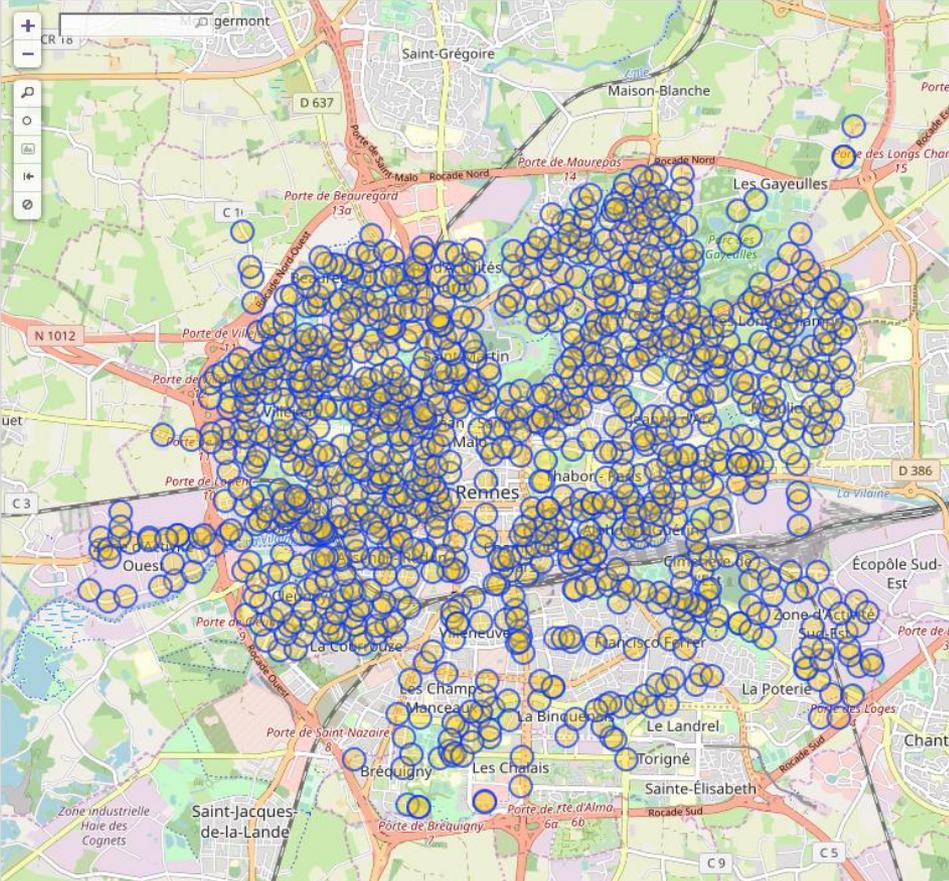


+ Requêtes classiques

Extraire les bornes incendies

Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide overpass turbo

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6 [out:json][timeout:25];
7 // fetch area "rennes" to search in
8 ((geocode:area:rennes)->.searchArea;
9 // gather results
10 {
11 // query part for: "bar"
12 node["emergency"="fire_hydrant"] (area.searchArea);
13 }
14 };
15 // print results
16 out body;
17 >;
18 out skel qt;
```

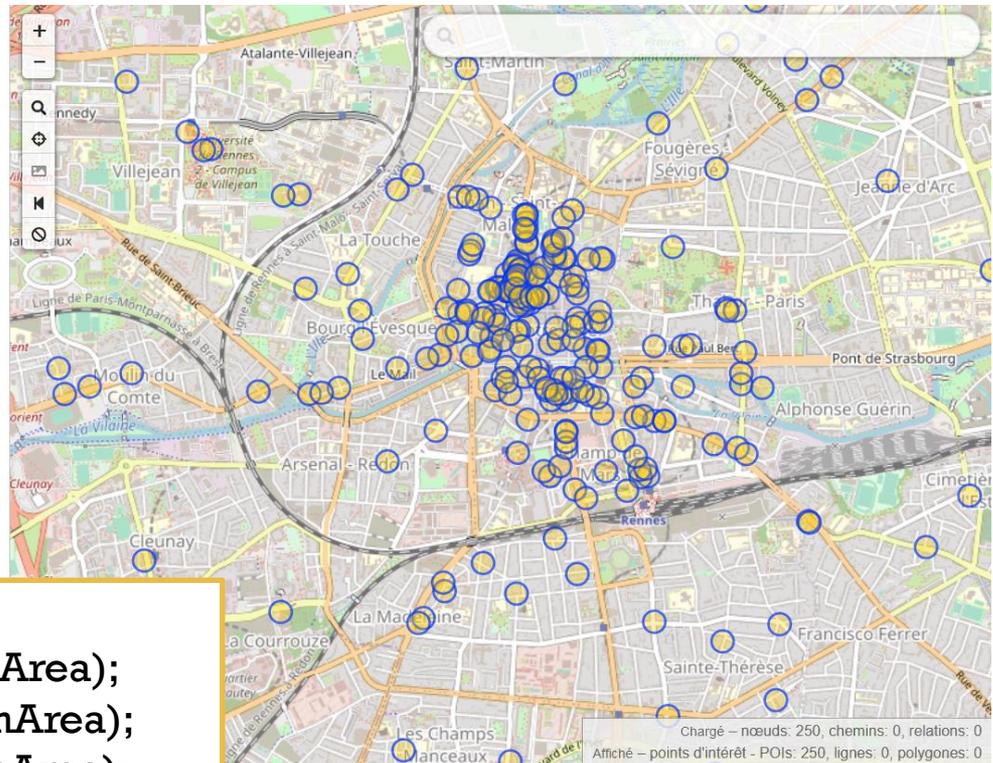


The image displays a screenshot of the Overpass Turbo web interface. On the left, a code editor shows a query designed to extract fire hydrant locations within the city of Rennes. The query uses the Overpass API to fetch the area of Rennes and then searches for nodes with the emergency type 'fire_hydrant'. The results are output in JSON format. On the right, a map of Rennes is shown with numerous blue circles representing the fire hydrant locations. The map includes labels for various districts and landmarks, such as Saint-Gregoire, Maison-Blanche, Les Gayeulles, and Rennes. The interface also features navigation controls and a search bar.

+ Requêtes classiques

Extraire plusieurs type d'objets

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6
7 [out:json][timeout:25];
8
9 // fetch area "rennes" to search in
10 {{geocodeArea:rennes}}->.searchArea;
11
12
13 (
14 node["amenity"="bar"](area.searchArea);
15 node["amenity"="cafe"](area.searchArea);
16 node["amenity"="pub"](area.searchArea);
17 );
18
19 // print results
20 out center;
21
22
```

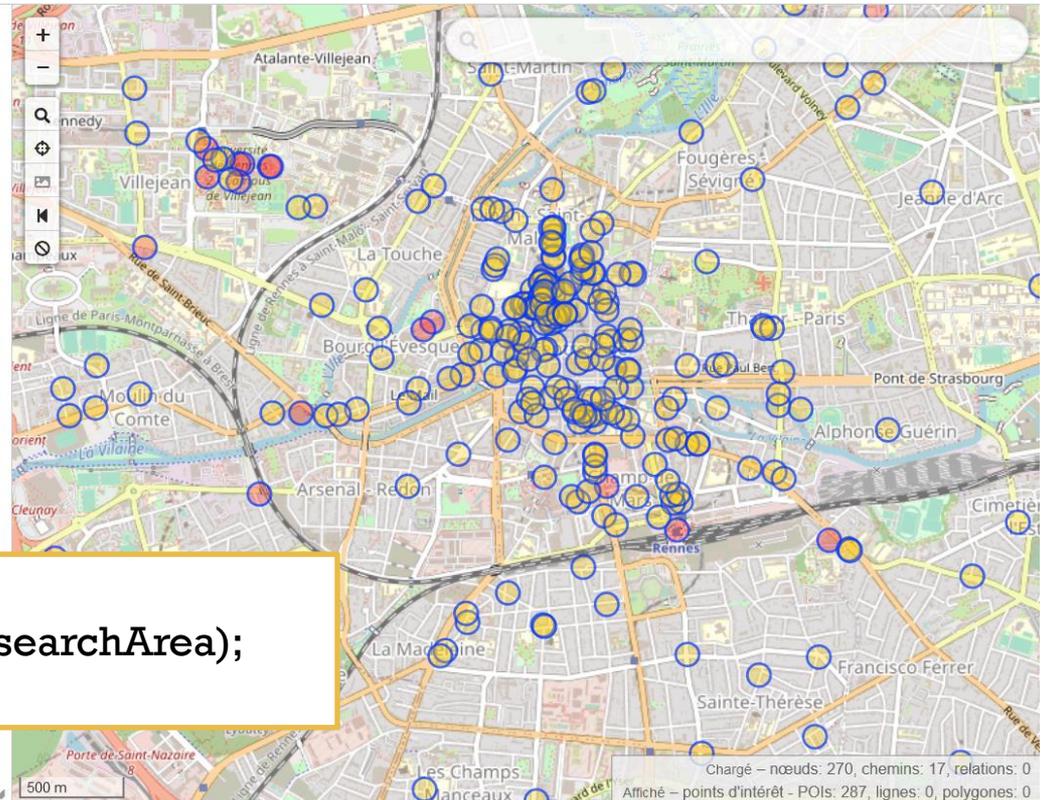


```
(
node["amenity"="bar"](area.searchArea);
node["amenity"="cafe"](area.searchArea);
node["amenity"="pub"](area.searchArea);
);
```

+ Requêtes classiques

Extraire plusieurs type d'objets avec la même clef en simplifiant la requête au maximum

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "bar in rennes"
5 */
6
7 [out:json][timeout:25];
8
9 // fetch area "rennes" to search in
10 {{geocodeArea:rennes}}->.searchArea;
11
12
13 (
14 // query part for: "bar, cafe et pub "
15 nwr[amenity~"(bar|cafe|pub)"](area.searchArea);
16 );
17
18 // print results
19 out center;
20
```



```
(
nwr[amenity~"(bar|cafe|pub)"](area.searchArea);
);
```

+ Requêtes classiques

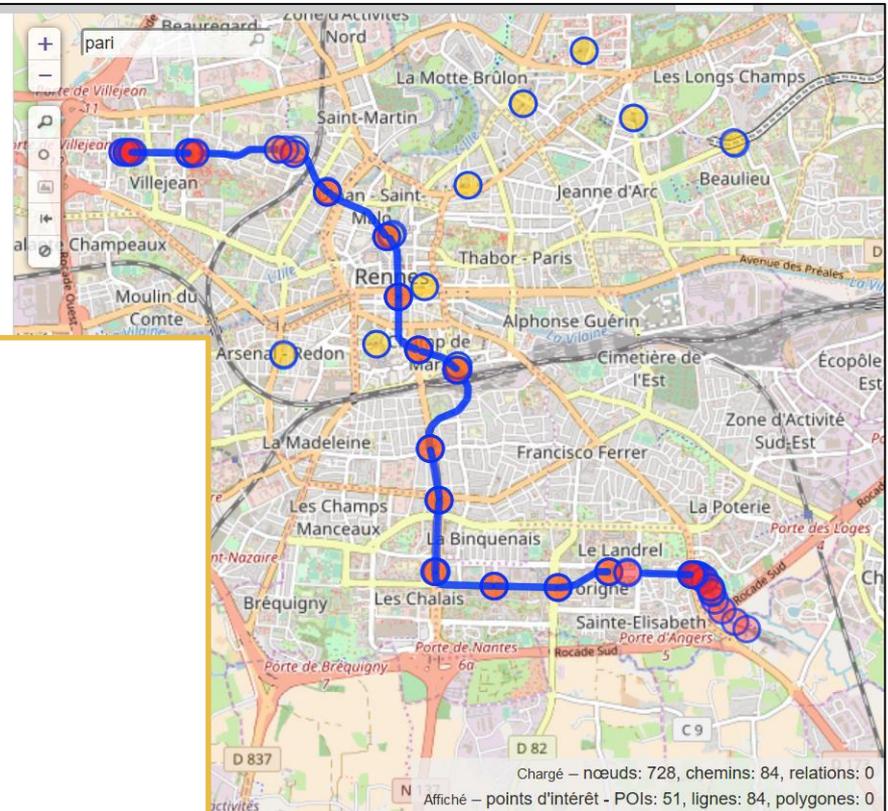
Extraire plusieurs type d'objets

```
1 [out:json][timeout:25];
2 {{geocodeArea:rennes}}->.searchArea;
3
4 (node["public_transport"="stop_position"] ["subway"="yes"](area.searchArea);
5 way["railway"="subway"](area.searchArea);
6 );
7
8 out body;
9 >;
10 out skel qt;
```

```
[out:json][timeout:25];
{{geocodeArea:rennes}}->.searchArea;

(node["public_transport"="stop_position"]
["subway"="yes"](area.searchArea);
way["railway"="subway"](area.searchArea);
);

out body;
>;
out skel qt;
```



+ Exports des données

Exporter

Données

GeoJSON	télécharger	copier
GPX	télécharger	copier
KML	télécharger	copier
données brutes de OSM	télécharger	copier

données brutes depuis l'[API Overpass](#)

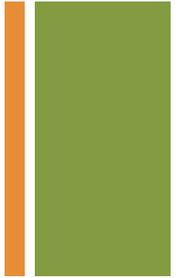
charger les données dans un éditeur externe OSM : [JOSM](#), [Level0](#)

Carte

en [image png](#)
en [Carte interactive](#)
Vue actuelle sur [OpenStreetMap.org](#) (zone de recherche, centre, etc.)



Exports de la requête



Requête

requête autonome

télécharger

copier

requête brute

télécharger

copier

wiki d'osm

télécharger

copier

URL de données distante

umap

télécharger

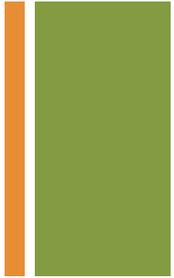
copier

en [Overpass-XML](#) ↗

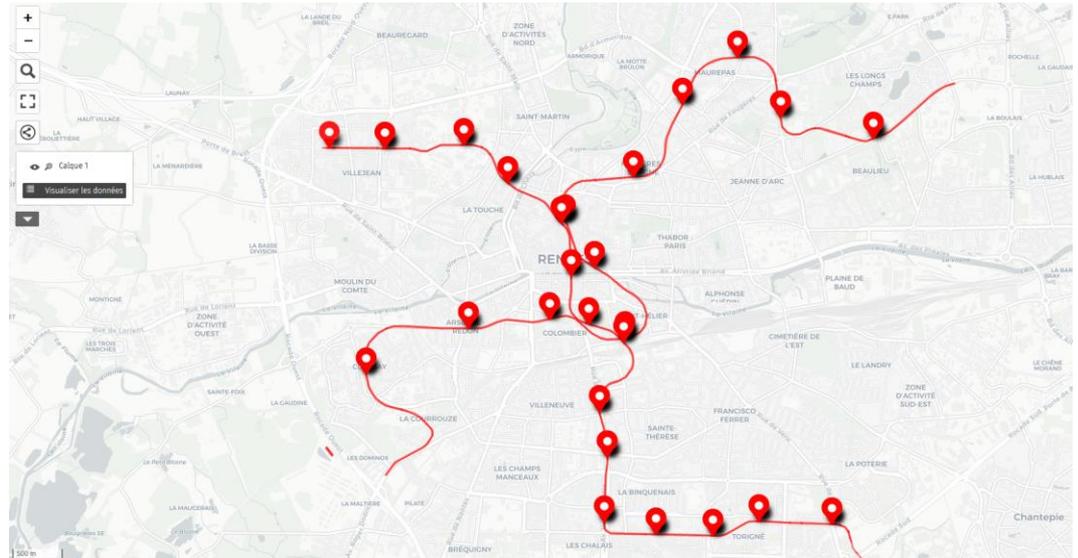
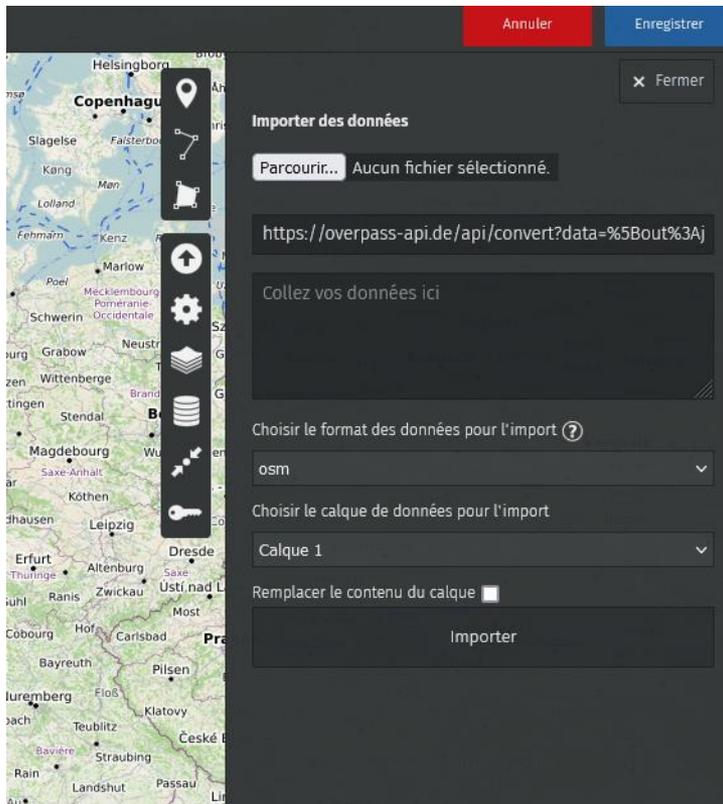
en [OverpassQL](#) ↗ ([compact](#) ↗)



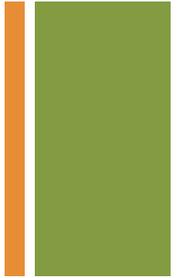
Exports de la requête



Intégrer les données d'une requête au sein d'une carte Umap



+ Requêtes classiques



Boundary

■ Documentation

<http://wiki.openstreetmap.org/wiki/Boundaries>

 **Feature : Boundaries**



Description

Boundaries mark the borders of areas, mostly political, but also of other administrative areas.

Tags

`boundary=*`

Other

`boundary=maritime`

for marking maritime borders (rather than land areas normally assumed by `boundary=political`)

`boundary=political`

is approved, should be documented in each country where they are used. Can be used

`boundary=vice_county`

for marking vice counties in Britain and Ireland [↗](#).

`boundary=national_park`

marks the borders of a national park.

`boundary=protected_area`

a more recently introduced tag with a more verbose tagging scheme which can deal with

`boundary=religious_administration`

trial for dioceses, parishes... see [FrViPofm/Tag:boundary=religious_administration](#)

`boundary=national`

is approved, but not documented, can somebody check tagwatch for usage?

`boundary=civil`

is approved, but not documented, can somebody check tagwatch for usage?

`boundary=metropole`

trial: When metropolitan areas don't match with an administrative subdivision (someti

+ Requêtes classiques

Limites administratives

- Régions = 4
- Départements = 6
- Arrondissements = 7
- Communes = 8
- Quartiers = 9



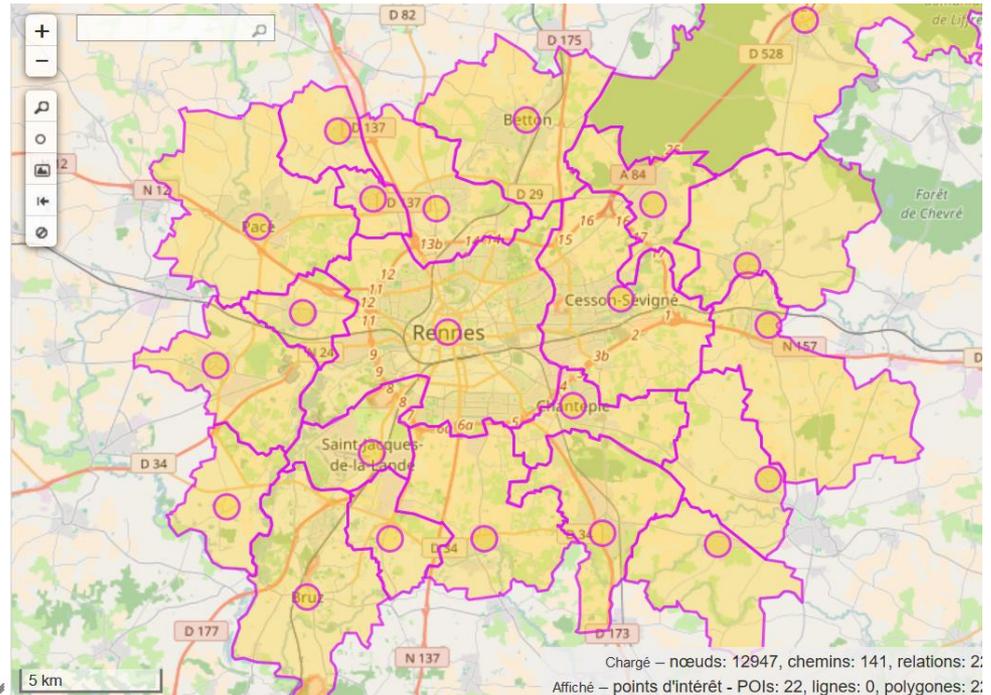
+ Requêtes classiques

Extraire les communes adjacentes à Rennes

- Niveau communal en France ("8 ")
- <http://wiki.openstreetmap.org/wiki/Tag:boundary%3Dadministrative>

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "Bar"
5 */
6 [out:json][timeout:25];
7 // gather results
8 (
9 // query part for: "Bar"
10 relation["boundary"="administrative"] ["admin_level" = "8"]
11 {{{bbox}}};
12 );
13 // print results
14 out body;
15 >;
16 out skel qt;
```

<https://overpass-turbo.eu/s/z8w>

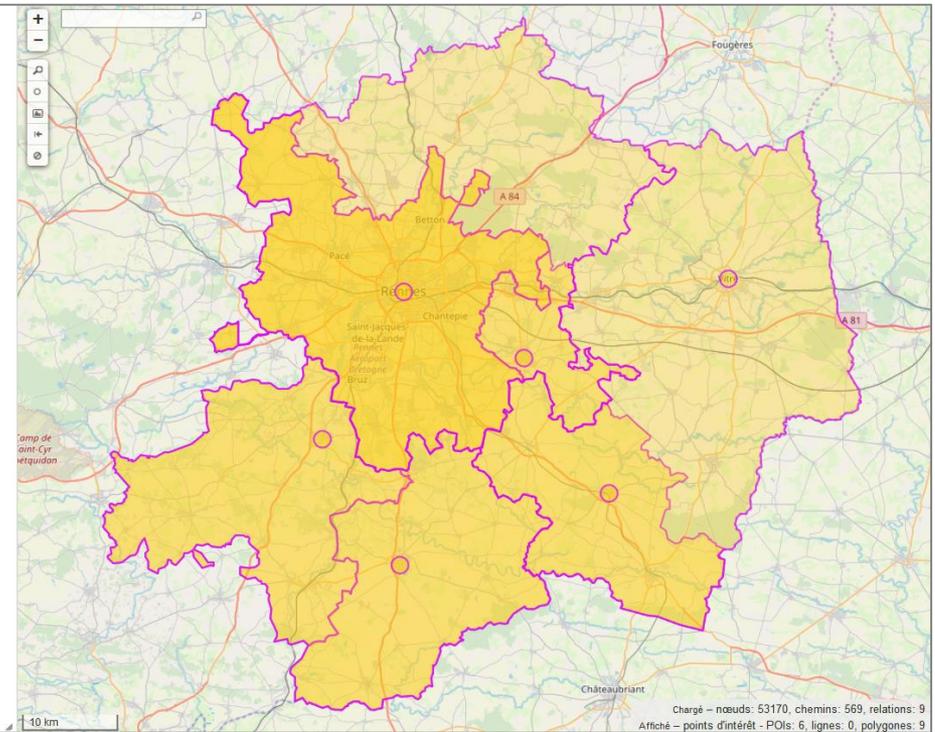


+ Requêtes classiques

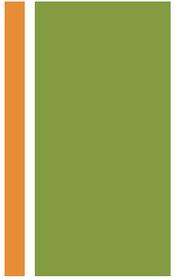
Obtenir les contours des EPCI

Tag : boundary=local_authority

```
[out:json][timeout:25];  
relation ["boundary"="local_authority"](((bbox)));  
  
// print results  
out body;  
>;  
out skel qt;
```



+ Requêtes classiques



Landuse

■ Documentation

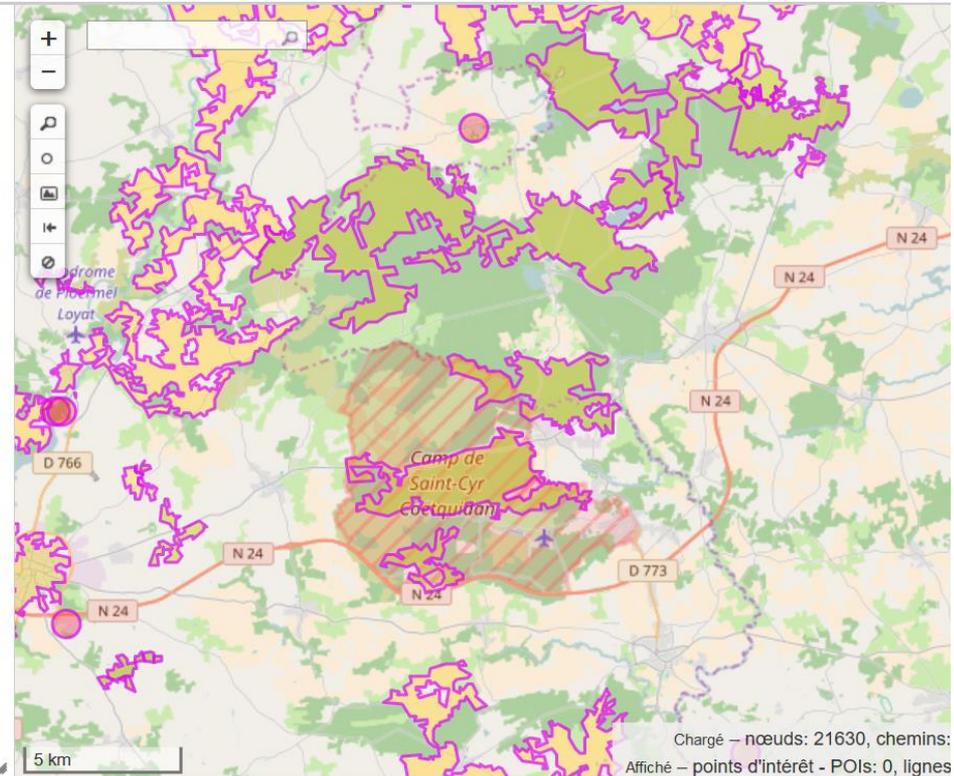
<http://wiki.openstreetmap.org/wiki/FR:Key:landuse>

landuse	basin		<p>Zone d'eau artificielle de plusieurs types (infiltration, détention, rétention) qui finit par s'écouler dans une rivière.</p> <p>Utiliser avec <code>basin=*</code> pour les différents types.</p>		
landuse	brownfield		<p>Zone où des anciens bâtiments ont été rasés. La construction de nouveaux bâtiments est planifiée, mais pas encore en cours.</p>		
landuse	cemetery		<p>Cimetière. ajoutez <code>religion=*</code> s'il y a lieu (voir liste dans <code>amenity=place of worship</code>).</p> <p>Utiliser <code>amenity=grave_yard</code> pour les petites surfaces (à proximité d'une église par exemple)</p>		

+ Requêtes classiques

Extraire les zones renseignées sur l'occupation des sols

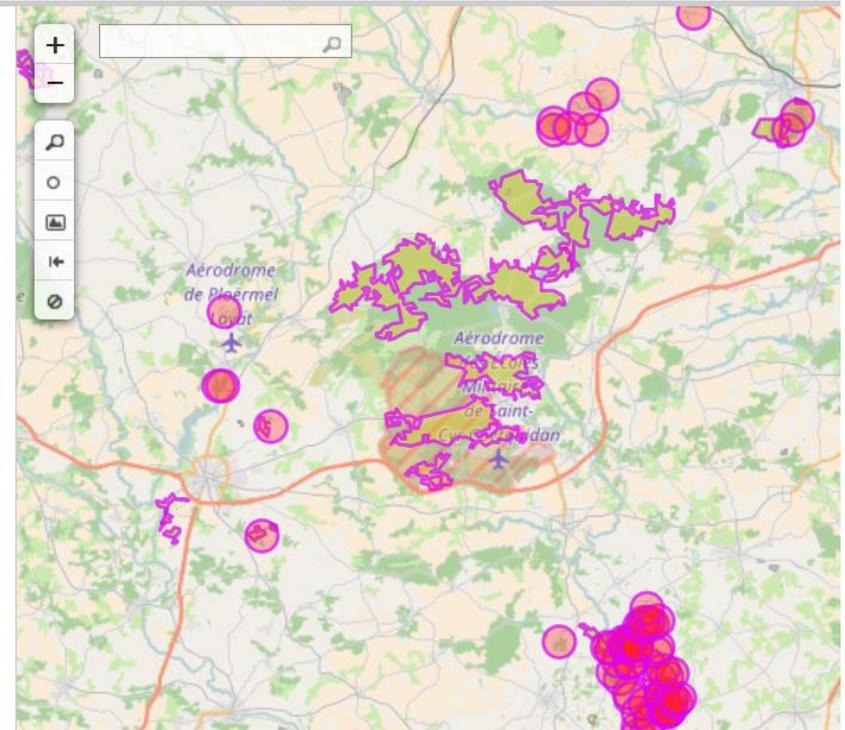
```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "Bar"
5 */
6 [out:json][timeout:25];
7 // gather results
8 (
9 // query part for: "Bar"
10 relation["landuse"]>{{bbox}};
11 );
12 // print results
13 out body;
14 >;
15 out skel qt;
```



+ Requêtes classiques

Extraire les zones renseignées comme forêt

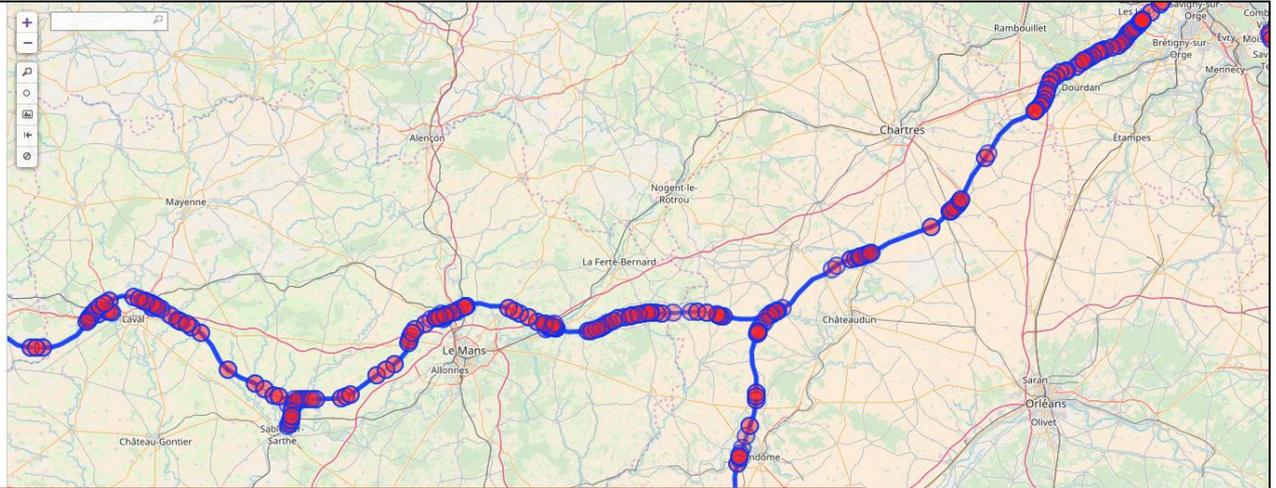
```
/*  
This has been generated by the overpass-turbo wizard.  
The original search was:  
"Bar"  
*/  
[out:json][timeout:25];  
// gather results  
(  
  // query part for: "Bar"  
  relation["landuse"="forest"]({{bbox}});  
);  
// print results  
out body;  
>;  
out skel qt;
```



+ Requêtes classiques

Sélectionner les lignes de train à grandes vitesses

```
1 [out:json][timeout:25];  
2  
3 way["railway"="rail"]["highspeed"="yes"](bbox:);  
4  
5 // print results  
6 out body;  
7 >;  
8 out skel qt;
```



```
[out:json][timeout:25];  
way["railway"="rail"]["highspeed"="yes"](bbox:);  
out body;  
>;  
out skel qt;
```

+ Requêtes classiques

Mobiliser les ID de Wikidata

<https://fr.wikipedia.org/wiki/Wikidata>

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Wikidata Monuments: Photograph a monument, help Wikipedia and win! [Learn more](#)

IKEA (Q54078)

Trademark used for retail of furniture, appliances, and home furnishings [edit](#)

[Wikipedia](#) (79 entries) [edit](#)

Language	Label	Description	Also known as
English	IKEA	Trademark used for retail of furniture, appliances, and home furnishings	
French	IKEA	entreprise de mobilier et d'objets de décoration fondée en Suède	Ingvar Kamprad Elmtaryd Agun...
Spanish	IKEA	empresa de fabricación de muebles y distribución, fundada en Suecia	
German	IKEA	multinationaler Einrichtungskonzern	

All entered languages

Statements

<https://www.wikidata.org/wiki/Q54078>

+ Requêtes classiques

Mobiliser les ID de Wikidata > magasins IKEA

The screenshot shows the Overpass Turbo web application. The interface includes a menu bar at the top with options like 'Exécuter', 'Partager', 'Exporter', 'Assistant', 'Enregistrer', 'Charger', 'Paramètres', and 'Aide'. The main area is split into a code editor on the left and a map on the right. The code editor contains the following query:

```
1 /*
2 This has been generated by the overpass-turbo wizard.
3 The original search was:
4 "ikea"
5 */
6 [out:json][timeout:25];
7 // gather results
8 (
9 // query part for: "ikea"
10 node["brand:wikidata"="Q54078"](((bbox)));
11 way["brand:wikidata"="Q54078"](((bbox)));
12 );
13 // print results
14 out body;
15 >;
16 out skel qt;
```

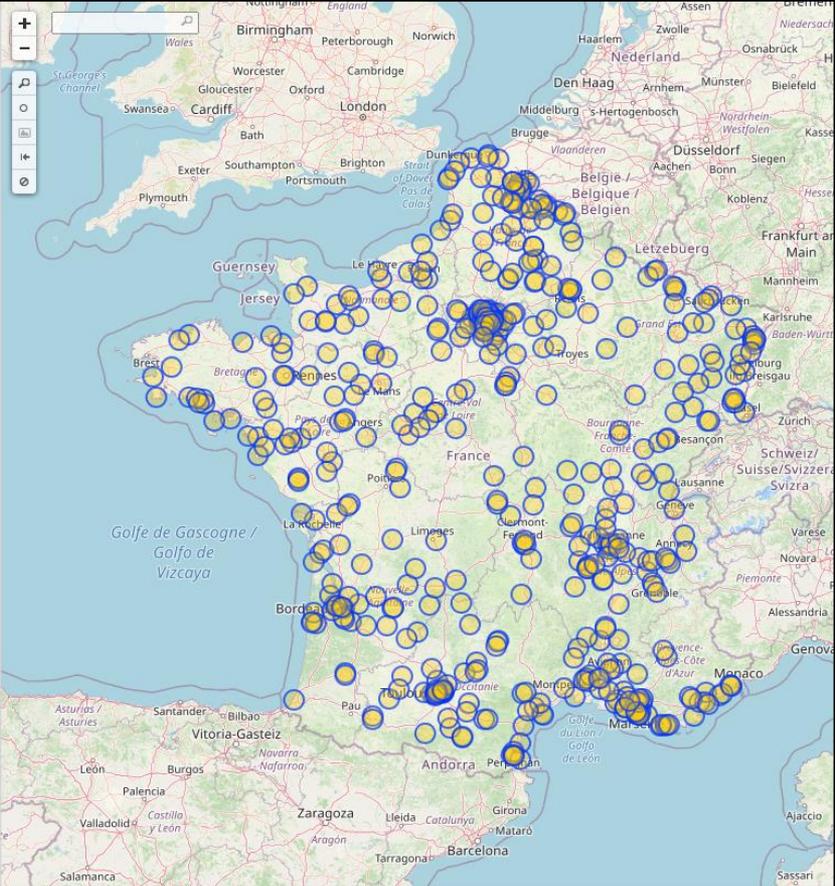
The map displays a large number of red and blue circular markers across Europe, representing the locations of IKEA stores. The status bar at the bottom right indicates: 'Chargé - nœuds: 3012, chemins: 146, relations: 0' and 'Affiché - points d'intérêt - POIs: 49, lignes: 0, polygones: 146'.

<https://t.co/kmZ8am31j6?amp=1>

+ Requêtes classiques

Tester les magasins LIDL en France

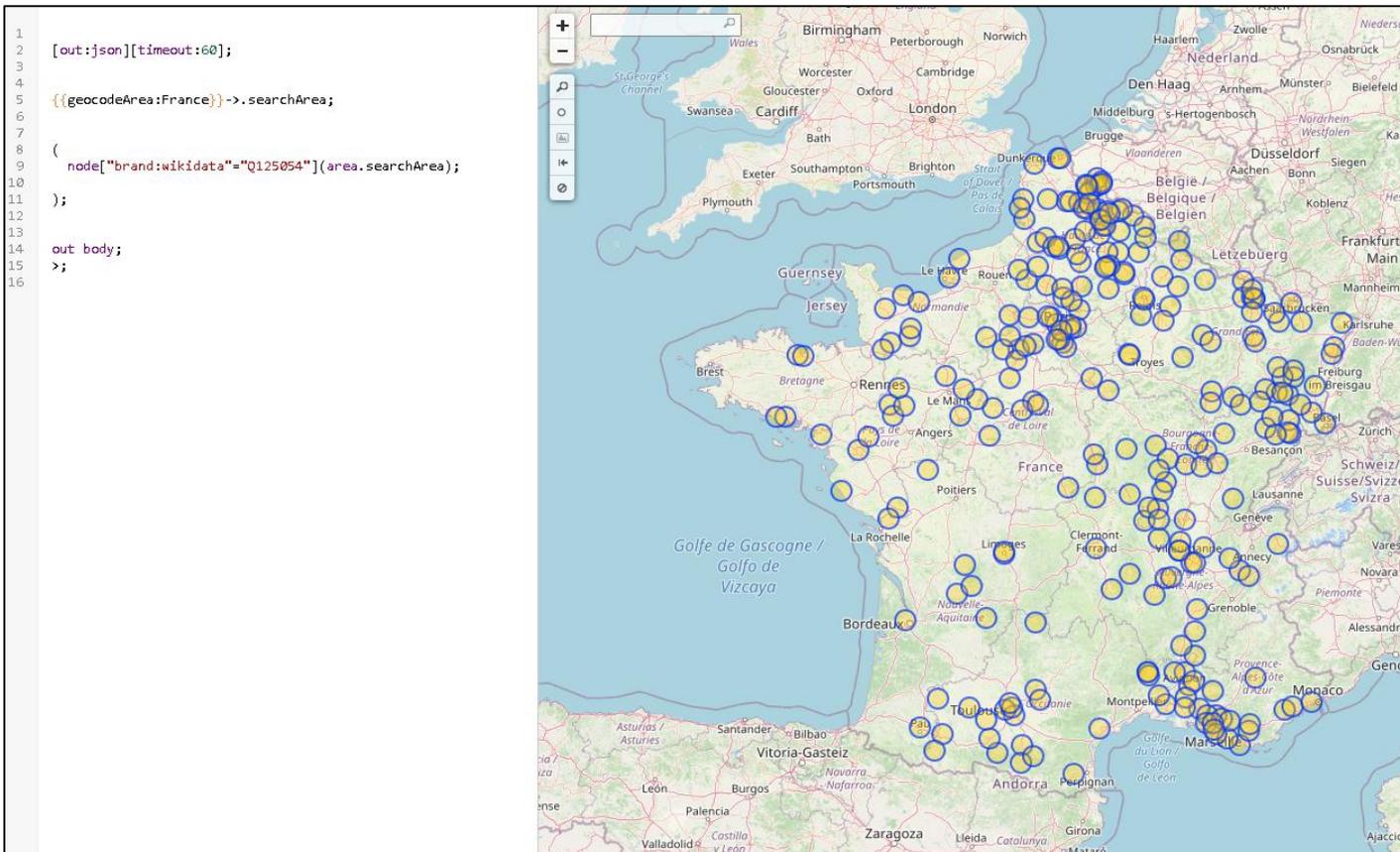
```
1 [out:json][timeout:60];
2
3
4 {{geocodeArea:France}}->.searchArea;
5
6
7
8 (
9   node["brand:wikidata"="Q151954"]{area.searchArea};
10 );
11
12
13 out body;
14 >;
15
16
```



The image displays a map of France and surrounding regions, including parts of the United Kingdom, the Netherlands, Belgium, and Spain. Numerous blue circles are overlaid on the map, representing the locations of LIDL stores. The circles are densely packed in the central and eastern parts of France, particularly around Paris and in the regions of Normandy, Brittany, and the Alps. The map also shows major cities, rivers, and geographical features like the Bay of Biscay (Golfe de Gascogne / Golfo de Vizcaya). A search bar and map controls are visible in the top left corner of the map interface.

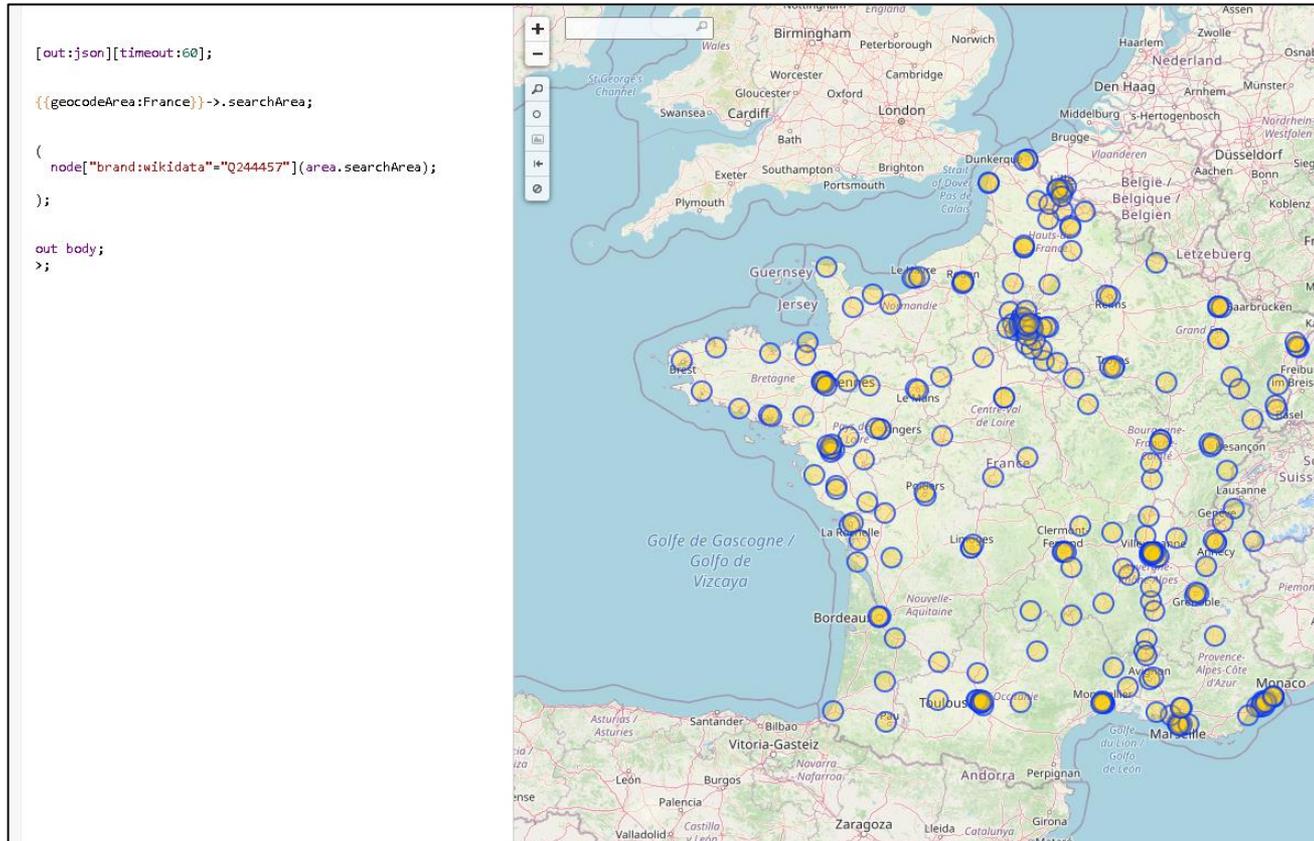
+ Requêtes classiques

Les magasins ALDI



+ Requêtes classiques

Les restaurant Subway en France



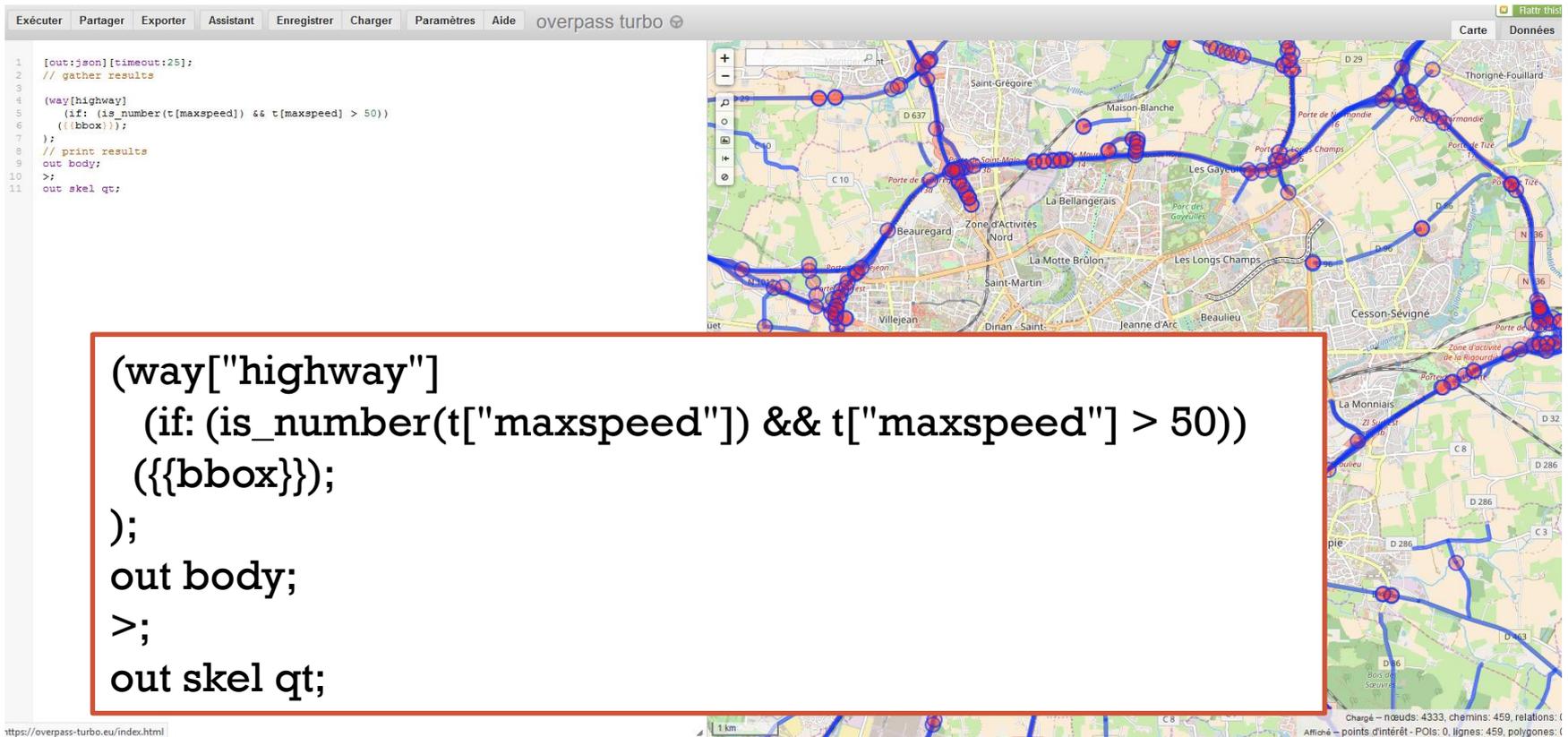
+

Requêtes complexes

+ Requêtes complexes

Critère minimum ou maximum

- Toutes les routes avec une vitesse limite de plus de 50km/h

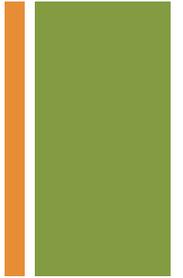


```
1 [out:json][timeout:25];
2 // gather results
3
4 (way[highway]
5   (if: (is_number(t[maxspeed]) && t[maxspeed] > 50))
6   ({{bbox}});
7 );
8 // print results
9 out body;
10 >;
11 out skel qt;
```

(way["highway"]
 (if: (is_number(t["maxspeed"]) && t["maxspeed"] > 50))
 ({{bbox}});
);
out body;
>;
out skel qt;

Chargé - nœuds: 4333, chemins: 459, relations: 1
Affiché - points d'intérêt - POIs: 0, lignes: 459, polygones: 1

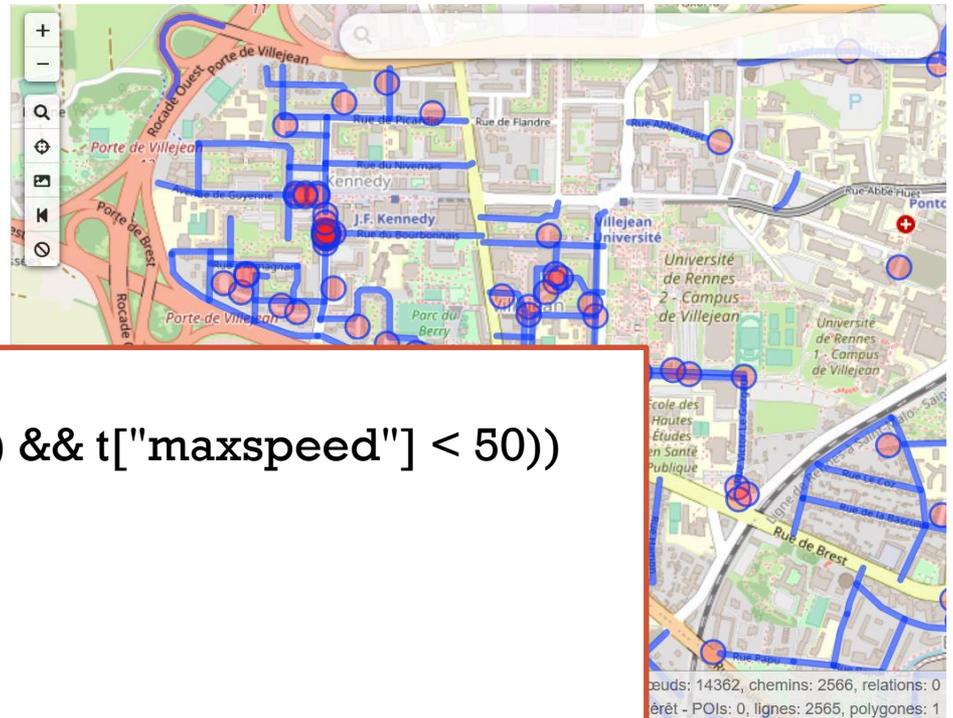
+ Requêtes complexes



Critère minimum ou maximum

- Toutes les routes avec une vitesse inférieure à 50km/h

```
1 (way["highway"]
2   (if: (is_number(t["maxspeed"]) && t["maxspeed"] < 50))
3   ({{{bbox}}});
4 );
5 out body;
6 >;
7 out skel qt;
8
```



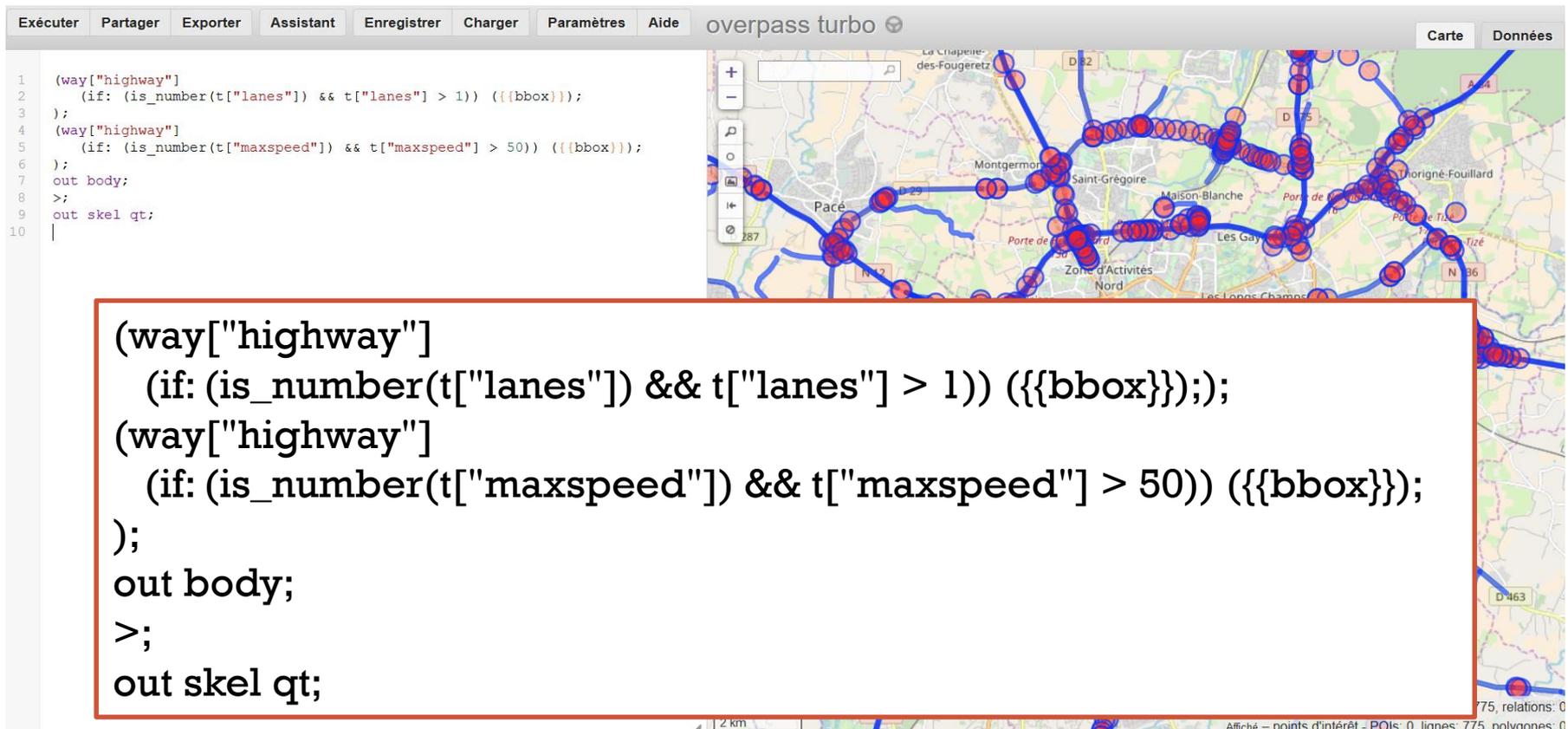
```
(way["highway"]
  (if: (is_number(t["maxspeed"]) && t["maxspeed"] < 50))
  ({{{bbox}}});
);
out body;
>;
out skel qt;
```

œuds: 14362, chemins: 2566, relations: 0
œrêt - POIs: 0, lignes: 2565, polygones: 1

+ Requêtes complexes

Ajouter un critère de nombre de voies

- Toutes les routes avec une vitesse maximale de 50km/h et avec au moins deux voies (*lanes*)



The screenshot shows a web application interface with a map and a code editor. The map displays a network of roads in blue and red, with red circles highlighting specific points of interest. The code editor on the left contains a query that filters for roads with at least two lanes and a maximum speed greater than 50 km/h. A red-bordered box highlights a portion of this query.

```
1 (way["highway"]
2   (if: (is_number(t["lanes"]) && t["lanes"] > 1)) ({{bbox}}));
3 );
4 (way["highway"]
5   (if: (is_number(t["maxspeed"]) && t["maxspeed"] > 50)) ({{bbox}});
6 );
7 out body;
8 >;
9 out skel qt;
10 |
```

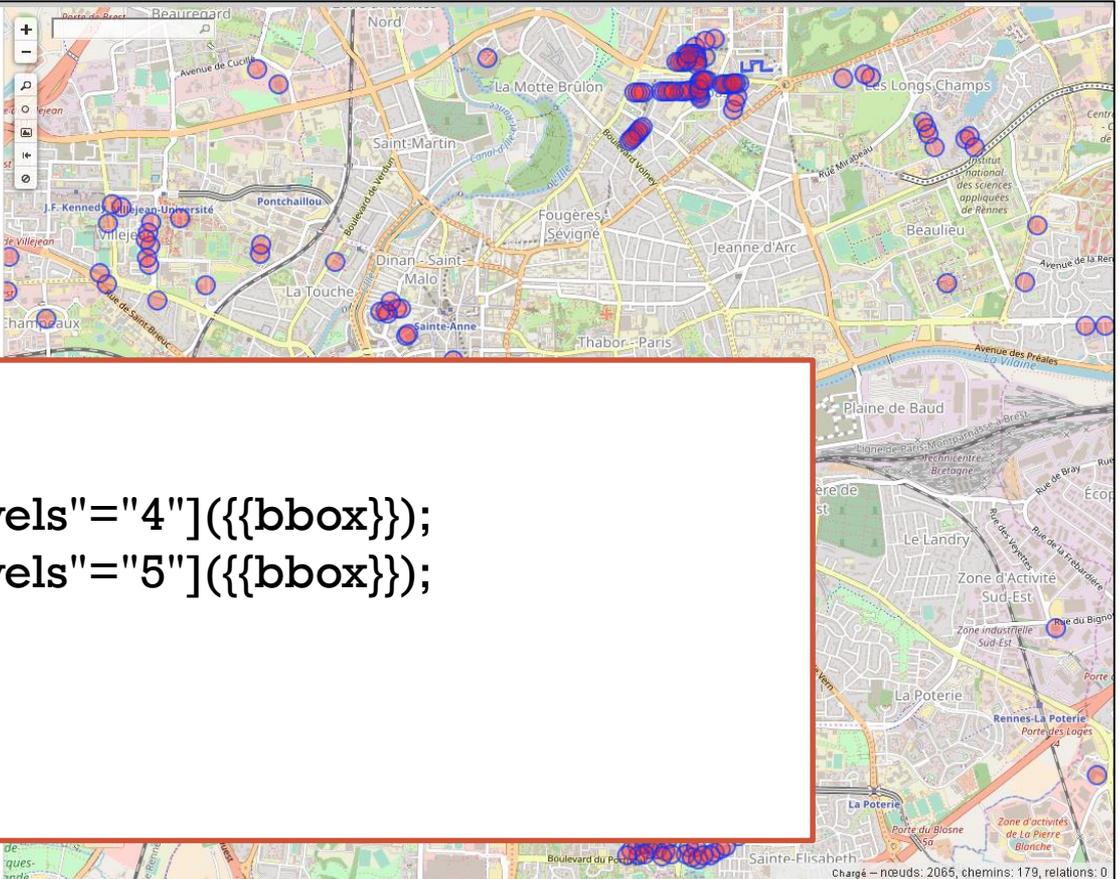
```
(way["highway"]
  (if: (is_number(t["lanes"]) && t["lanes"] > 1)) ({{bbox}}););
(way["highway"]
  (if: (is_number(t["maxspeed"]) && t["maxspeed"] > 50)) ({{bbox}}););
);
out body;
>;
out skel qt;
```

775, relations: 0
Affiché – points d'intérêt – POIs: 0, lignes: 775, polylignes: 0

+ Requêtes complexes

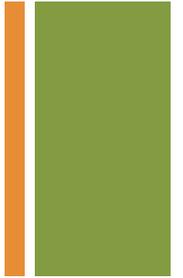
Sélectionner les bâtiments de 4 et 5 étages

```
[out:json][timeout:25];
(
  // query part for: "bar"
  way["building"]["building:levels"="4"]>{{bbox}};
  way["building"]["building:levels"="5"]>{{bbox}};
);
// print results
out body;
>;
out skel qt;
```



The image displays a map of Rennes, France, with numerous buildings highlighted by blue and red circles. The map shows a dense urban area with various streets and landmarks. The highlighted buildings are scattered across the city, with a higher concentration in the central and eastern parts. The map includes labels for various districts and streets, such as 'Beauregard', 'Nord', 'La Motte Brûlon', 'Saint-Martin', 'Fougères-Sévière', 'Jeanne d'Arc', 'Beaulieu', 'Dinan-Saint-Malo', 'Sainte-Anne', 'Thabor-Paris', 'Plaine de Baud', 'Le Landry', 'Zone d'Activité Sud-Est', 'La Poterie', 'Rennes-La Poterie', and 'Zone d'activités de La Pierre Blanche'. The map also shows the 'Avenue de la République' and 'Avenue des Déeses'. The bottom right corner of the map has the text 'Chargé - nœuds: 2065, chemins: 179, relations: 0'.

+ Comptage d'entités

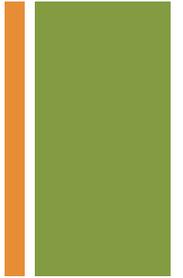


Afficher des statistiques sur les bâtiments de Rennes

```
[out:csv(::count, ::"count:nodes", ::"count:ways",
::"count:relations")][timeout:25];
{{geocodeArea:Rennes}}->.searchArea;
(
  node["building"="yes"](area.searchArea);
  way["building"="yes"](area.searchArea);
  relation["building"="yes"](area.searchArea);
);
out count;
```

```
1 @count @count:nodes @count:ways @count:relations
2 37821 6 37626 189
3
```

+ Comptage d'entités



Afficher des statistiques sur les routes de Rennes

```
Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide overpass turbo
```

```
1 [out:csv(:"count", ::"count:nodes", ::"count:ways", ::"count:relations")][timeout:25];
2 {{geocodeArea:Rennes}}->.searchArea;
3 {
4   node["highway"] (area.searchArea);
5   way["highway"] (area.searchArea);
6   relation["highway"] (area.searchArea);
7 };
8 out count;
```

	@count	@count:nodes	@count:ways	@count:relations
1	23862	6792	17049	21
2				
3				

Afficher des statistiques sur les bars de Rennes

```
1 [out:csv(:"count", ::"count:nodes")][timeout:25];
2 {{geocodeArea:Rennes}}->.searchArea;
3 {
4   node["amenity"="bar"] (area.searchArea);
5 };
6 out count;
```

	@count	@count:nodes
1	112	112
2		
3		

+ Comptage d'entités

Compter le nombre de pharmacies par communes dans le 35

```
[out:csv(_row,false)];

//Toutes les communes du département du 35
area["ref:INSEE"~"^35"];

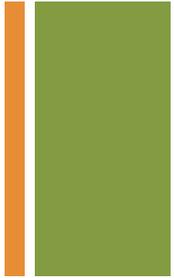
// Compte des pharmacies par communes
foreach->.region(
  // Collect all Nodes, Ways and Relations with amenity=pharmacy in the current
  area
  ( node(area.region)[amenity=pharmacy];
    way(area.region)[amenity=pharmacy];
    rel(area.region)[amenity=pharmacy];) -> .r;

  make out _row = "|-"; out;
  make out _row = "| " + region.set(t["de:regionalschluessel"]) +
    " || " + region.set(t["name"]) +
    " || " + (r.count(nodes) + r.count(ways) + r.count(relations));
  out;
);
make out _row = "|}"; out;
```

```
1  |-
2  | | Ille-et-Vilaine || 253
3  |-
4  | | Redon || 25
5  |-
6  | | Rennes || 152
7  |-
8  | | Bain-de-Bretagne || 8
9  |-
10 | | Guichen || 7
11 |-
12 | | Montfort-sur-Meu || 8
13 |-
14 | | Pipriac || 3
15 |-
16 | | Plélan-le-Grand || 4
17 |-
18 | | Redon || 6
19 |-
20 | | Saint-Aubin-d'Aubigné || 6
21 |-
22 | | Sixt-sur-Aff || 1
23 |-
24 | | Bains-sur-Oust || 1
25 |-
26 | | Redon || 4
27 |-
28 | | Bruc-sur-Aff || 0
29 |-
30 | | Pipriac || 2
31 |-
32 | | Saint-Ganton || 0
33 |-
34 | | Saint-Just || 0
35 |-
36 | | Guipry || 0
37 |-
38 | | Renac || 0
39 |-
40 | | Sainte-Marie || 1
41 |-
42 | | La Chapelle-de-Brain || 0
43 |-
44 | | Langon || 0
45 |-
46 | | Guipry-Messac || 2
47 |-
```



Exports sous formes de tableaux de données



Exporter une liste des bars de Rennes avec leurs horaires

```
1 [out:csv(bar, name, "opening_hours");  
2 area[admin_level=8][name="Rennes"];  
3 nwr[amenity = bar]["opening_hours"](area);  
4 out;
```

```
1 bar name opening_hours  
2 Combi Bar Tu-Sa 19:00-01:00  
3 L'Heure du Jeu Mo-Fr 17:00-01:00; Sa 14:00-01:00; Su 14:00-22:00  
4 Le Vincennes "Mo-Fr 07:00-19:45; Sa 08:00-19:00; PH,Su 08:30-13:00"  
5 Le Papier Timbré Mo-Fr 16:30-01:00; Sa 12:00-01:00  
6 La Maison Tu-Sa 11:00-01:00  
7 Chez Marco Mo-Fr 11:00-15:00  
8 Le café de Rennes Mo-Th 09:00-01:00; Fr-Sa 09:00-03:00; Su 09:00-01:00  
9 L'Amaryllis Tu-Fr 16:00-01:00; Sa 11:00-01:00  
10 Le Jules Ferry Mo-Fr 06:30-20:00; Sa 07:30-12:00  
11 WarpZone Mo 17:00-22:00; Tu-Fr 17:00-01:00; Sa 14:00-01:00; Su 14:00-22:00  
12 Les Grands Gamins Mo 10:00-23:00; Tu-Fr 10:00-01:00; Sa 11:00-01:00; Su 11:00-23:00  
13 Black Bear Mo-Su 16:00-01:00  
14 Le Beret Mo-Fr 10:00-01:00; Sa 10:30-01:00  
15 L'attrape-rêve Tu-Sa 16:00-01:00; Su 16:00-23:00  
16 La Bolée Tu-Fr 11:30-01:00  
17 Nakama Mo-Sa 17:00-01:00  
18 Le Saint-Martin Mo-Fr 06:30-20:00; Su 08:00-14:00  
19 Le Since 42 Tu-Sa 10:42-00:42
```

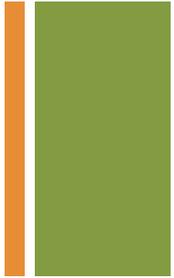
```
[out:csv(bar, name, opening_hours)];  
area[admin_level=8][name="Rennes"];  
nwr[amenity = bar]["opening_hours"](area);  
out;
```

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Exports sous formes de tableaux de données



Exporter une liste des pharmacies de Rennes, accessibles aux fauteuils roulants avec leurs horaires

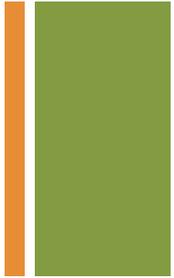
```
1 [out:csv(name, "opening_hours", "wheelchair");  
2 area[admin_level=8][name="Rennes"];  
3 nwr[amenity = pharmacy]["opening_hours"] ["wheelchair"](area);  
4 out;
```

```
1 name opening_hours wheelchair  
2 Pharmacie de la Poterie "Mo-Th 09:00-12:30,14:30-19:30, Fr 09:00-19:30, Sa 09:00-18:30" yes  
3 Pharmacie de Maurepas "Mo-Fr 09:00-13:00,14:00-19:30; Sa 09:00-13:00,14:00-19:00" no  
4 Pharmacie de Bretagne Mo-Fr 09:00-20:00; Sa 10:00-19:00 no  
5 Pharmacie Nguyen "Mo-Fr 09:00-12:30,14:00-19:30; Sa 09:00-12:30,14:00-18:00" yes  
6 Pharmacie Pascal "Mo-Fr 08:30-20:00; Sa 09:00-13:00,14:30-20:00" yes  
7 Pharmacie Clemenceau "Mo-Fr 09:00-12:30, 14:00-19:00; Sa 09:00-12:30, 14:00-18:00" yes  
8 Pharmacie Anatole France "Mo 14:00-19:30; Tu-Fr 09:00-19:30; Sa 09:00-12:30,14:00-17:00" yes  
9 Pharmacie Square de la Rance "Mo 09:30-12:30,14:00-19:30; Tu-Fr 09:00-12:30,14:00-19:30; Sa  
10 Pharmacie de la Madeleine "Mo-Fr 09:00-13:00,14:00-20:00; Sa 09:30-13:30" yes  
11 Pharmacie de Villejean "Mo-Fr 08:30-19:30; Sa 09:00-13:00,14:00-19:00" limited  
12 Pharmacie Métro Jacques Cartier "Mo-Fr 08:30-13:00,14:00-19:30; Sa 09:00-13:00" yes  
13 Pharmacie Saint-Hélier "Mo 14:00-19:30; Tu-Fr 09:00-12:30,14:00-19:30; Sa 09:30-12:30,14:30-18  
14 Pharmacie Beauregard Mo-Fr 09:00-19:30; Sa 09:00-13:00 yes  
15 Pharmacie du Pont de Nantes "Mo-Fr 09:00-12:30,14:00-19:30; Sa 09:00-12:30,14:00-18:00" no  
16 Pharmacie du Verger "Mo-Fr 09:00-12:30,14:00-19:30; Sa 09:00-13:00" no  
17 Pharmacie Kerangal "Mo-Fr 09:00-12:30,14:30-19:30; Sa 09:00-12:30,14:30-19:00" yes  
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```

```
[out:csv(name, opening_hours, wheelchair)];  
area[admin_level=8][name="Rennes"];  
nwr[amenity = pharmacy]["opening_hours"] ["wheelchair"](area);  
out;
```



Exports sous formes de tableaux de données



Exporter une liste des magasins de Rennes avec leurs noms, le type, les horaires, le téléphone, l'accessibilité PMR....

```
1 [out:csv(name, "shop", "opening_hours", "phone", "wheelchair");
2 area[admin_level=8][name="Rennes"];
3 nwr[shop](area);
4 out;
```

```
1 name shop opening_hours phone wheelchair
2 Super U Rennes Fougères supermarket Mo-Sa 09:00-20:00 +33 2 99 36 04 26 yes
3 Carrefour City Rennes Metz supermarket Mo-Sa 07:00-21:00; Su 09:00-13:00 yes
4 Picard frozen_food
5 Respire bakery yes
6 i-Run clothes
7 TLC Informatique computer "Mo 14:00-18:45; Tu-Sa 09:30-12:30,14:00-18:45; Sa 09:30-
8 Christian Janvier bakery Mo-Fr 07:00-14:00; Sa 07:30-14:00; PH closed no
9 Aven Tour travel_agency +33 2 99 30 22 94
10 Diagonal supermarket +33 2 99 22 07 25 yes
11 Total Access convenience;gas 24/7 +33 2 99 36 15 89
12 Christine Carnet bakery Tu-Sa 06:30-20:00; Su 06:00-19:00 +33 2 99 31 87 23 no
13 Diagonal supermarket
14 U Express supermarket Mo-Sa 08:30-19:30 +33 2 99 63 14 02 yes
15 Le Fournil de pierre bakery
16 Brioche Dorée bakery Mo-Fr 08:00-19:00; Sa 09:00-19:00 +33 2 23 42 41 20 yes
17 King Jouet toys Mo-Sa 10:00-19:00 +33 2 99 51 32 32
18 vacant
19 Christian Janvier bakery Tu-Sa 07:30-19:45; Su 07:30-13:30
20
21
22
23
24
25
26
27
28
29
30
31
32
33 Kaboul butcher
34 Boulangerie du Gros Chêne bakery "Tu-Su,PH 07:00-20:30"
35 Thas Phone - Swarnalaya convenience "Mo-Su,PH 09:00-22:00" +33 7 60 67 35 35 no
```

```
[out:csv(name, shop, opening_hours, phone, wheelchair)];
area[admin_level=8][name="Rennes"];
nwr[shop](area);
out;
```

+ Contrôle données

Éléments sans tags

Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide overpass turbo

```
1 way({{bbox}})(if:count_tags() == 0);  
2 out geom;  
3
```

Way 441800913

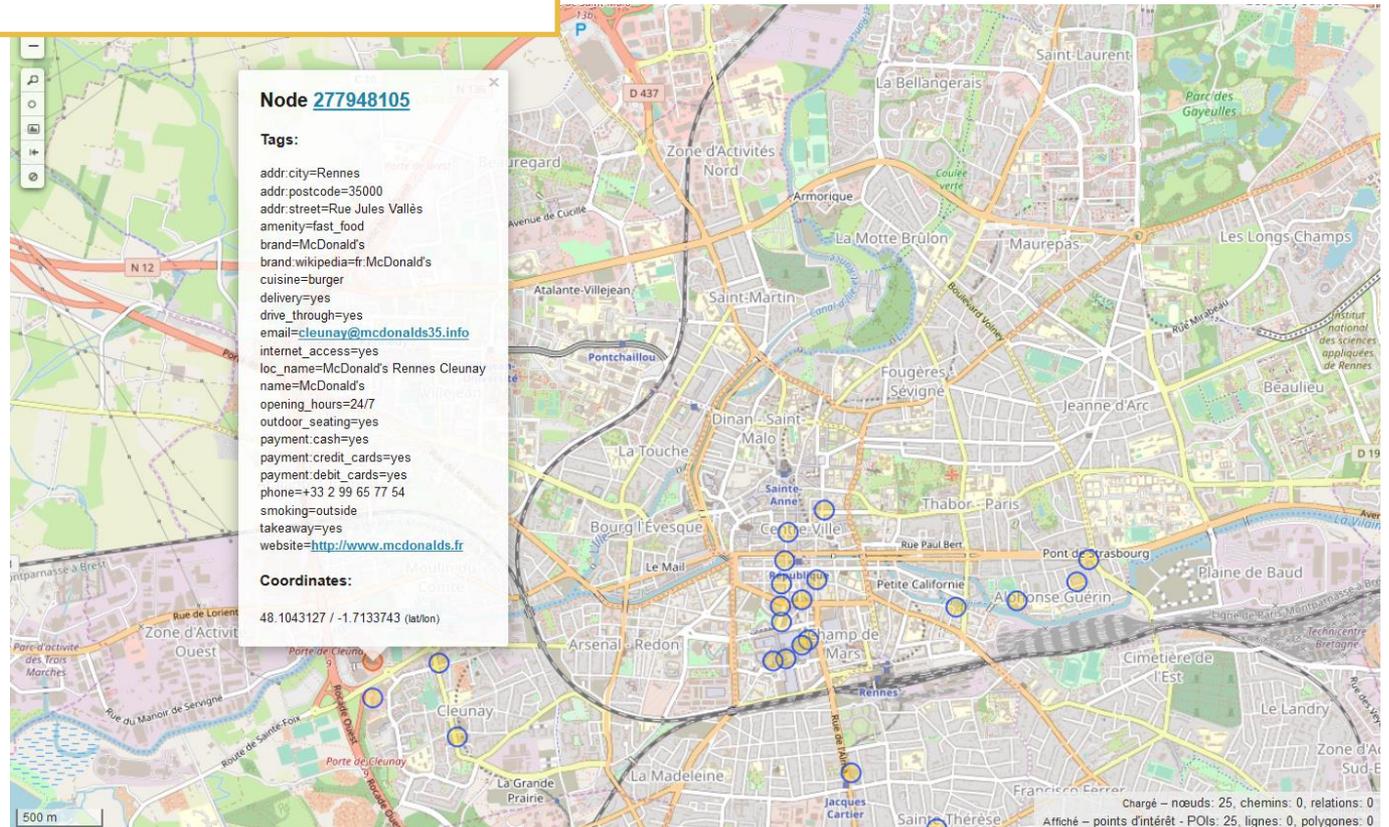
Chargé – nœuds: 0, chemins: 14, relations: 0
Affiché – points d'intérêt - POIs: 0, lignes: 14, polygones: 0

way({{bbox}})(if:count_tags() == 0);
out geom;

+ Contrôle données

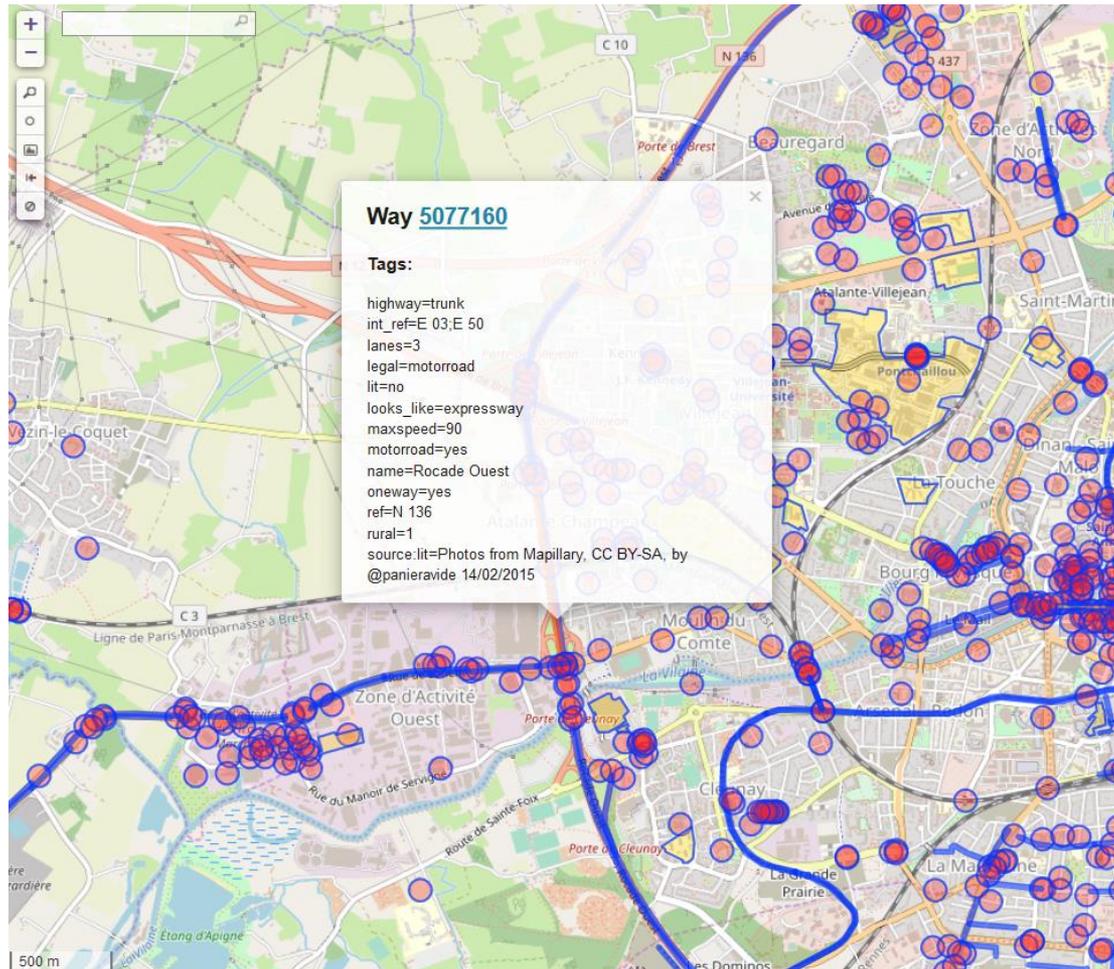
Objets de type nœud avec plus de 20 tags

```
node({{bbox}})(if:count_tags() > 20);  
out geom;
```



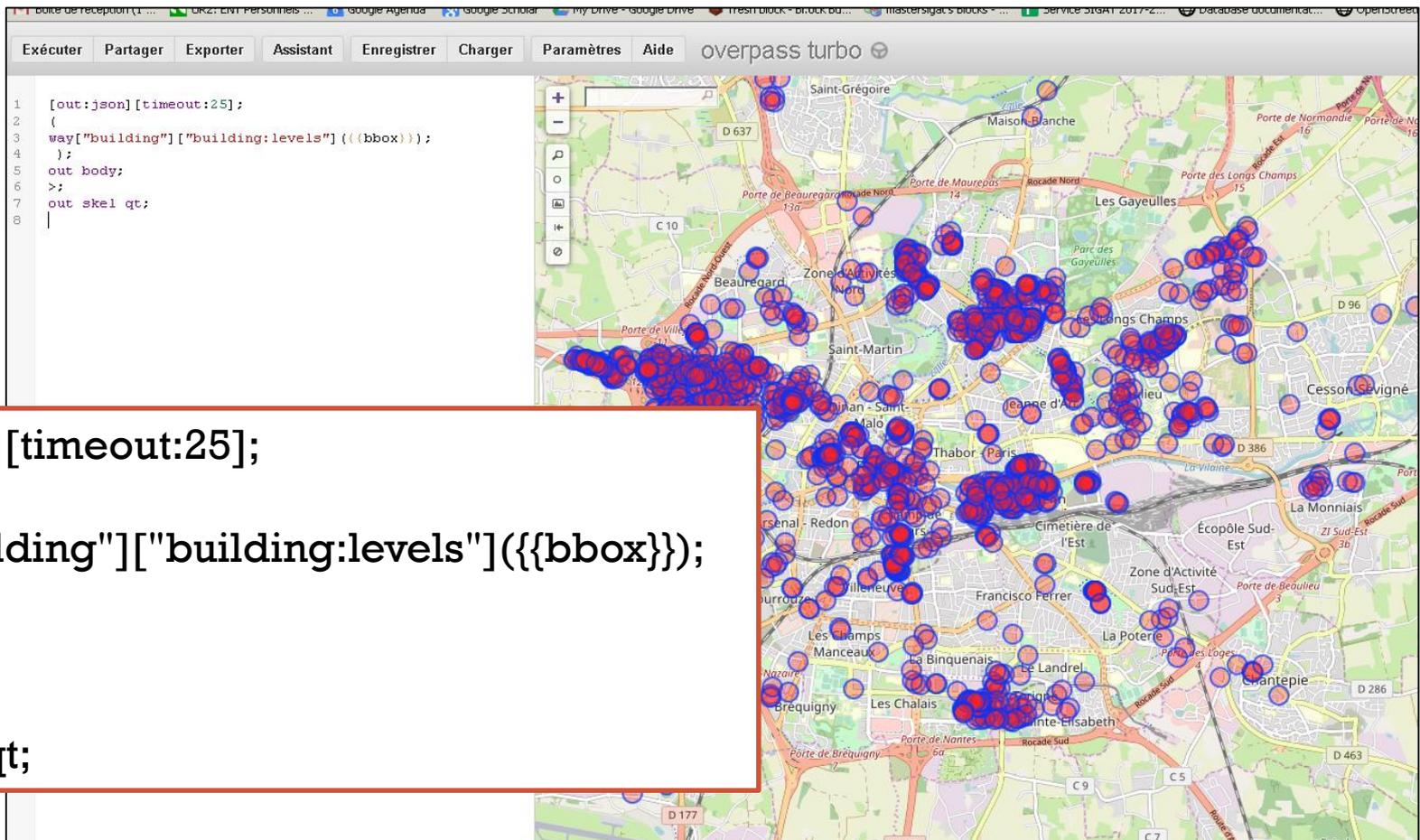
+ Contrôle données

Objets de type relation avec plus de 10 tags



+ Contrôle données

Montrer tous les bâtiments dont la hauteur est renseignée

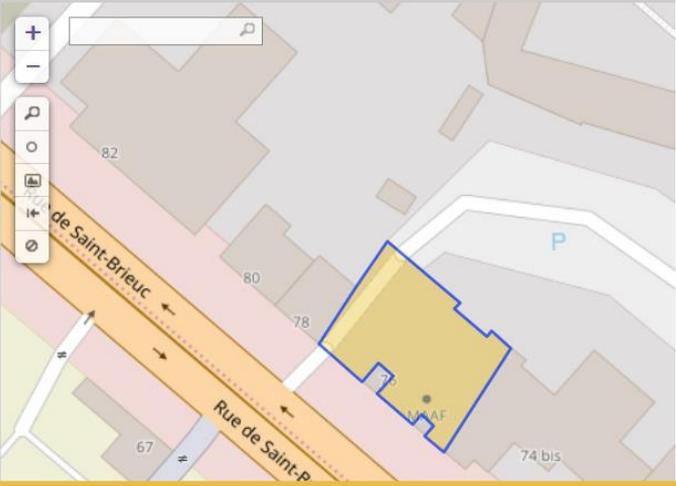


```
[out:json][timeout:25];
(
way["building"]["building:levels"]({{bbox}});
);
out body;
>;
out skel qt;
```

```
[out:json][timeout:25];
(
way["building"]["building:levels"]({{bbox}});
);
out body;
>;
out skel qt;
```

+ Contrôle données

Superposition bâtiments / routes



The screenshot shows the OpenStreetMap Overpass Turbo interface. The top navigation bar includes buttons for "Exécuter", "Partager", "Exporter", "Assistant", "Enregistrer", "Charger", "Paramètres", and "Aide". The title "overpass turbo" is on the right. On the left, a code editor contains the following SQL query:

```
1 way[!covered][!tunnel]
2 ["highway"~"primary|secondary|tertiary|trunk|service|residential|primary_li
3 nk|secondary_link|tertiary_link|unclassified"]["access"!~"no|private"]
4 [!area]
5   ({{bbox}});
6   (way(around:0)["building"~"."]);
7   node(w););
8 out meta;
```

The map on the right shows a street intersection with "Rue de Saint-Brieuc" and "Rue de Saint-P". A yellow building is highlighted with a blue outline. The map includes a search bar, zoom controls, and a legend.

```
way
["highway"~"primary | secondary | tertiary | trunk | service | residential | primary_link |
secondary_link | tertiary_link | unclassified"]["access"!~"no | private"][!area]
  ({{bbox}});
  (way(around:0)["building"~"."]);
  node(w););
out meta;
```



line styles



color coding



icons



a simple thematic map



markers with text

+

Requêtes et style

https://wiki.openstreetmap.org/wiki/Overpass_turbo/MapCSS



Requête et style

Afficher des étiquettes

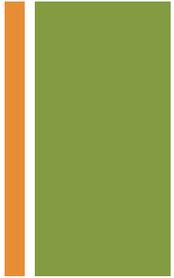
```
1 [out:json][timeout:25];
2 {{geocodeArea:nantes}}->.searchArea;
3
4 (
5   node["public_transport"="stop_position"] ["tram"="yes"](area.searchArea);
6 );
7
8 {{style:
9
10 node { text: name;}
11
12 }}
13
14
15 out body;
16 >;
17 out skel qt;
18
```



```
{{style:
node { text: name;}
}}
```



Requête et style



Afficher des étiquettes en fonction du type de ville

```
[bbox:({bbox})];
(node[place=city];
 node[place=town];
 node[place=village];
);

{{style:
node [place=city]{text:name ; color:red; fill-color:red;
symbol-size:50; }
node [place=town]{text:name ; color:blue; fill-
color:blue; symbol-size:30;}
node [place=village]{text:name ; color:green; fill-
color:green; symbol-size:20;}
}}

out body;
>;
out skel qt;
```

The image displays a map of the Rennes region in Brittany, France, with city labels styled according to their administrative type. The map shows a network of roads and green spaces. Labels are color-coded: red for cities (e.g., Rennes, Betton, Châteaubourg), blue for towns (e.g., Saint-Jacques-de-la-Lande, Bruz, Chantepie), and green for villages (e.g., Romillé, Gézec, Melesse). The map interface includes a search bar at the top left and various navigation controls.

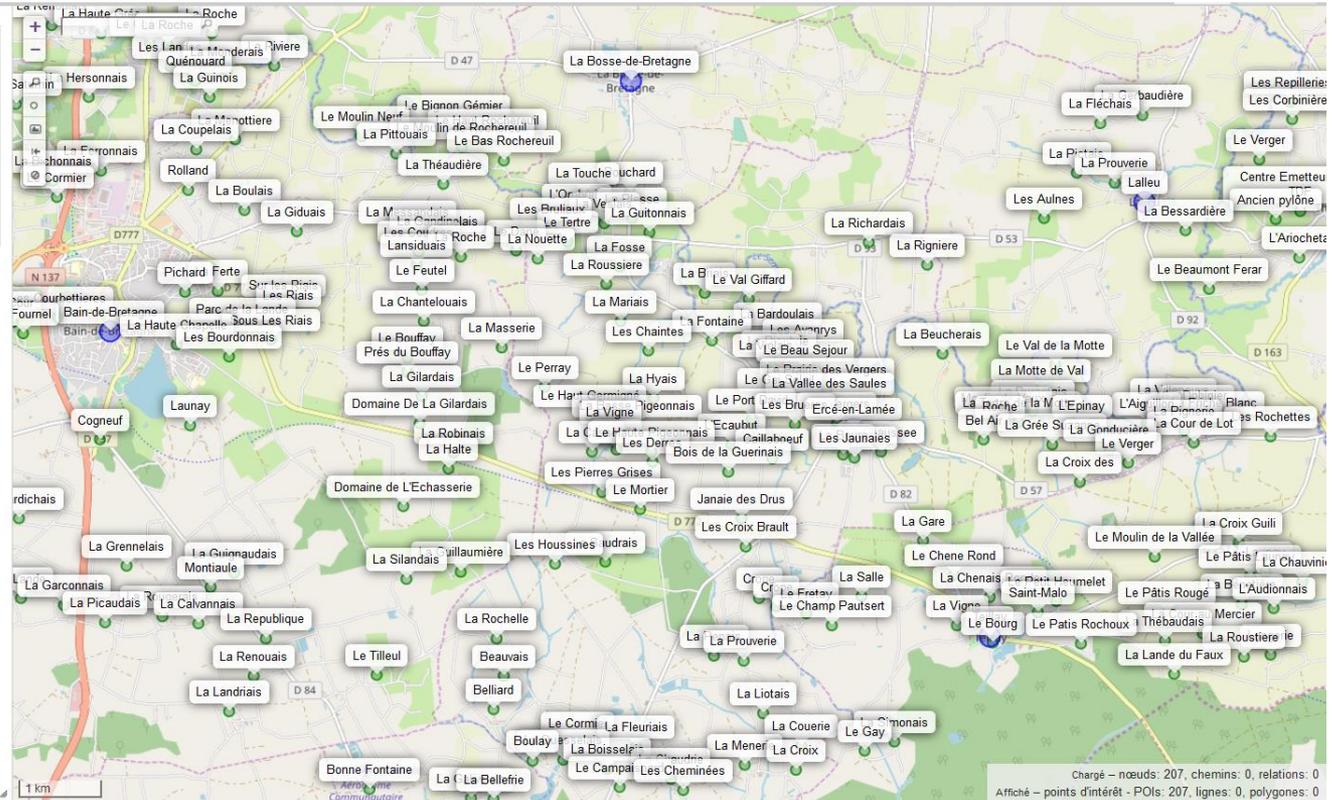


Requête et style

Afficher des étiquettes en fonction du type de ville et hameau

```
1 [bbox:|bbox|];
2 (node[place=village];
3 node[place=hamlet];
4 );
5
6 {{style:
7 node [place=hamlet]{text:name ; color:green; fill-
8 color:green; symbol-size:5; font-size:2;};
9 node [place=village]{text:name ; color:blue; fill-
10 color:blue; symbol-size:10;};
11 }}
12
13 out body;
14 >;
15 out skel qt;
```

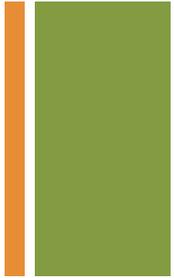
tps://overpass-turbo.eu/#close



<https://overpass-turbo.eu/s/1j8j>



Requête et style



Sélectionner et représenter les types de bâtiments

```
[out:json][timeout:25];
```

```
( way["building" = "apartments"]({{bbox}});  
way["building" = "residential"]({{bbox}});  
way["building" = "house"]({{bbox}});  
way["building" = "school"]({{bbox}});
```

```
{{style:
```

```
way[building=apartments]  
{ color:blue; fill-color:blue; }
```

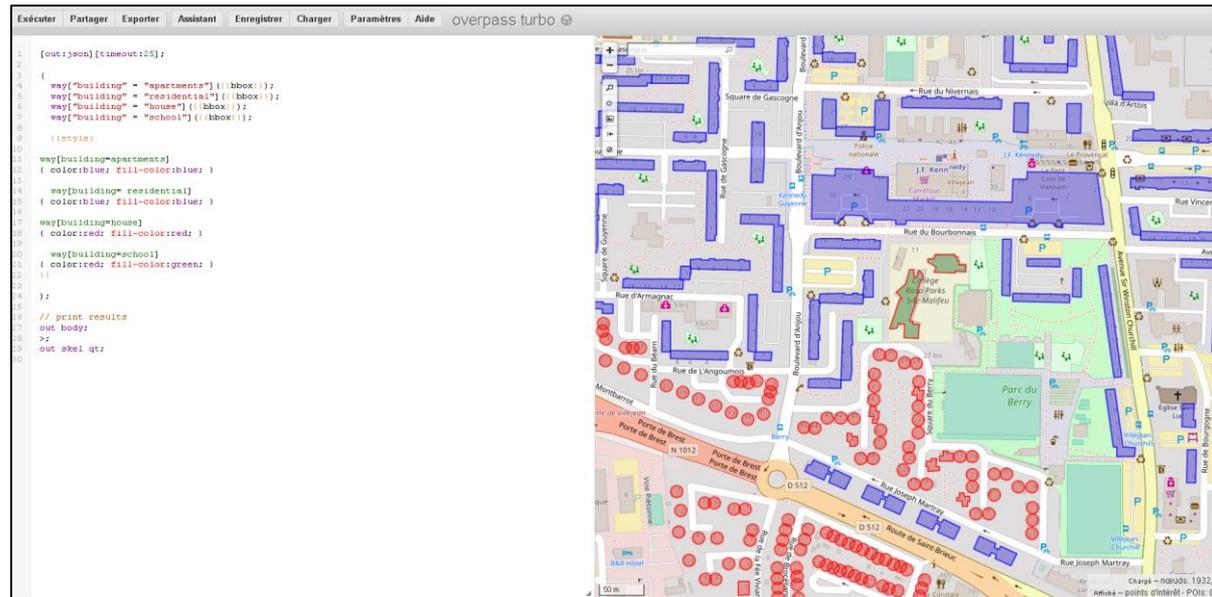
```
way[building= residential]  
{ color:blue; fill-color:blue; }
```

```
way[building=house]  
{ color:red; fill-color:red; }
```

```
way[building=school]  
{ color:red; fill-color:green; }  
}}
```

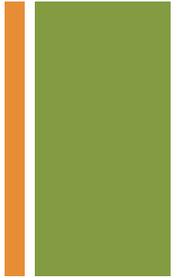
```
);
```

```
// print results  
out body;  
>;  
out skel qt;
```



<https://overpass-turbo.eu/s/1j8k>

+ Requête et style



Sélectionner et représenter les arrêts de bus, stations de métros et stations de vélos en libre service

```
[out:json][timeout:25];

{{geocodeArea:rennes}}->.searchArea;

( node["public_transport"="stop_position"] ["subway"="yes"]
(area.searchArea);
 node["highway"="bus_stop"](area.searchArea);
 node["amenity"="bicycle_rental"](area.searchArea);

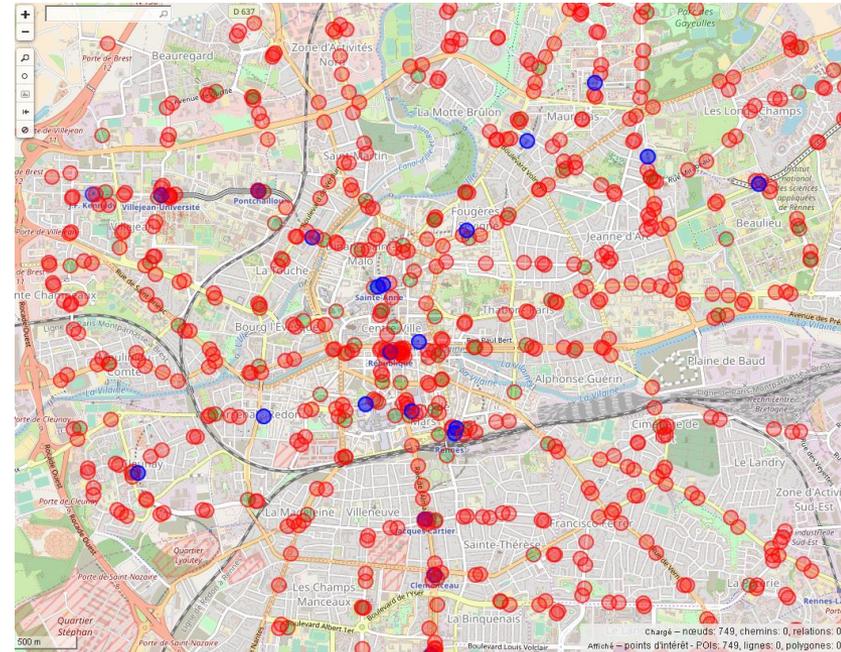
{{style:

node[public_transport=stop_position]
{ color:blue; fill-color:blue; }

node[highway=bus_stop]
{ color:red; fill-color:red; }

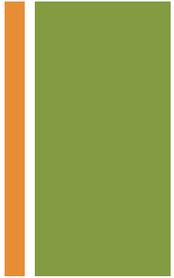
node[amenity=bicycle_rental]
{ color:red; fill-color:green; }
}}

);
out body;
>;
out skel qt;
```



<https://overpass-turbo.eu/s/1j8l>

+ Requête et style



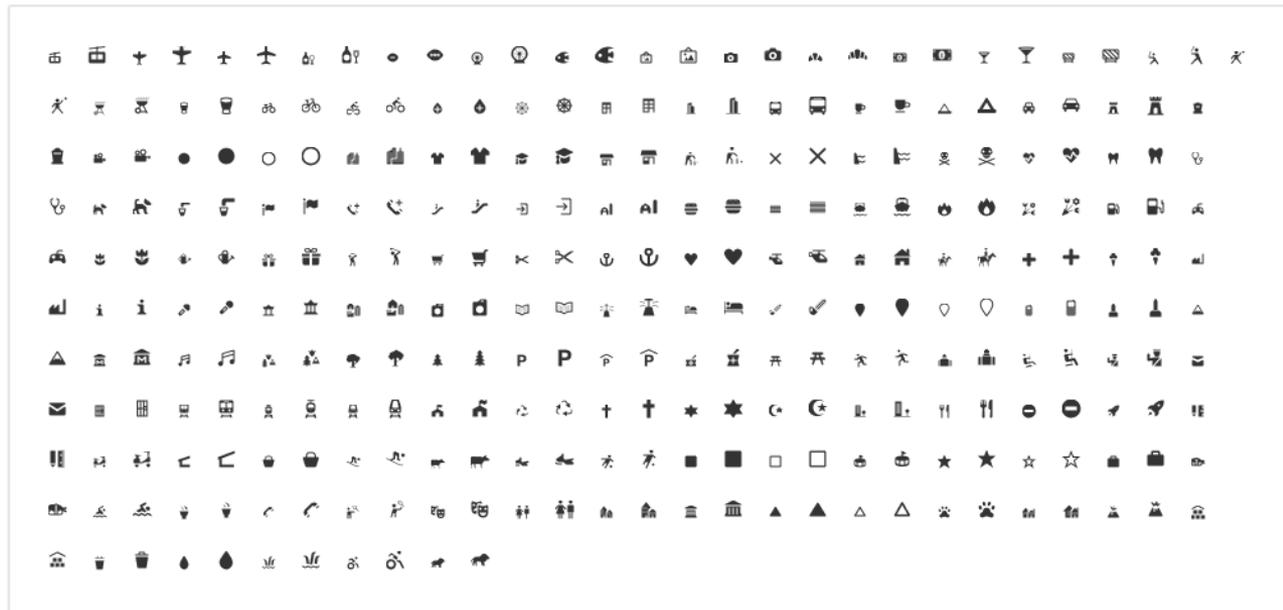
Utiliser des icones (maki)

<https://www.mapbox.com/maki-icons/>

MAKI

Maki is an icon set made for map designers. Maki includes icons for common points of interest like parks, museums, and places of worship. Each icon is available as an SVG in two sizes: 11px by 11px and 15px by 15px. Maki is open source and [CC0 licensed](#).

Download Maki

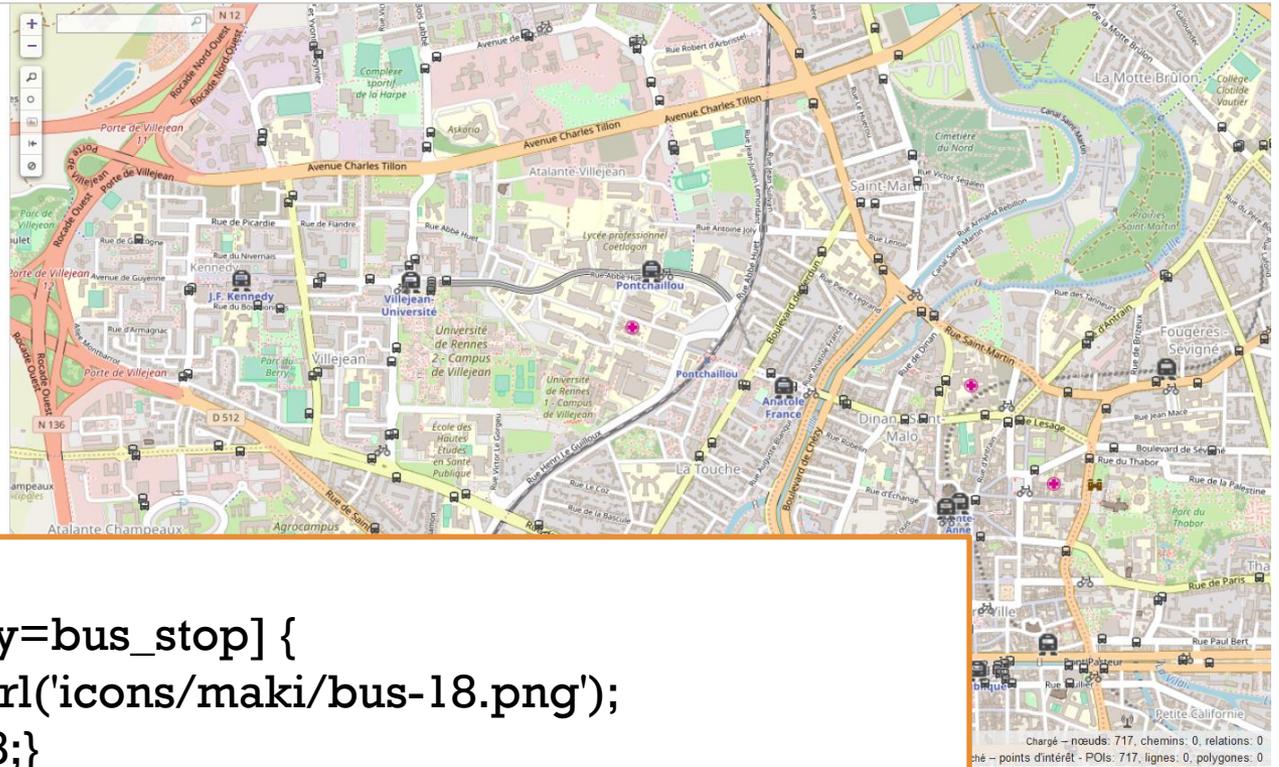




Requête et style

Utiliser des icones (maki)

```
1 [out:json][timeout:25];
2
3 {{(geocodeArea:rennes)->.searchArea;
4   ( node["public_transport"="stop_position"]
5     ["subway"="yes"] (area.searchArea);
6     node["highway"="bus_stop"] (area.searchArea);
7     node["amenity"="bicycle_rental"] (area.searchArea);
8
9   }}
10
11 {{style:
12   node[highway=bus_stop] {
13     icon-image: url('icons/maki/bus-18.png');
14     icon-width: 15;
15
16   node[public_transport=stop_position]
17   { icon-image: url('icons/maki/rail-18.png');
18     icon-width: 30; }
19
20   node[amenity=bicycle_rental]
21   { icon-image: url('icons/maki/bicycle-18.png');
22     icon-width: 20; }
23 }}
24
25 };
26 out body;
27 >;
28 out skel qt;
```



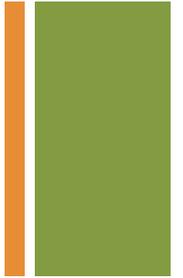
{{style:

```
node[highway=bus_stop] {
  icon-image: url('icons/maki/bus-18.png');
  icon-width: 18;}
```

}}



Requête et style



Mise en forme des sentiers

network	iwn	International walking network: long distance paths that cross several countries
	nwn	National walking network: long distance paths
	rwn	Regional walking network: used for walking routes that cross regions
	lwn	Local walking network: used for small local walking routes

```
[bbox:{{bbox}}];
```

```
(relation[route=hiking][network~"^\.wn$"];way(r); >);out;
```

```
{{style:
```

```
relation[network=lwn] way { color:blue; fill-color:cyan; }
```

```
relation[network=iwn] way { color:red; fill-color:red; }
```

```
relation[network=nwn] way { color:green; fill-color:green; }
```

```
relation[network=rwn] way { color:yellow; fill-color:yellow; }
```

```
}}
```



Requête et style



Mise en forme des sentiers

Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide overpass turbo

```
1 [bbox:{{bbox}}];  
2  
3 (relation[route=hiking] [network~"^\\.wn$"];way (r); >);out;  
4  
5 {{style:  
6  
7 relation[network=lwn] way { color:blue; fill-color:cyan; }  
8 relation[network=iwn] way { color:red; fill-color:red; }  
9 relation[network=nnw] way { color:green; fill-color:green; }  
10 relation[network=rwn] way { color:yellow; fill-color:yellow; }  
11 }}  
12  
13
```

Chargé – nœuds: 75447, chemins: 3024, relations: 65
Affiché – points d'intérêt - POIs: 490, lignes: 3089, polygones: 0



Requête et style

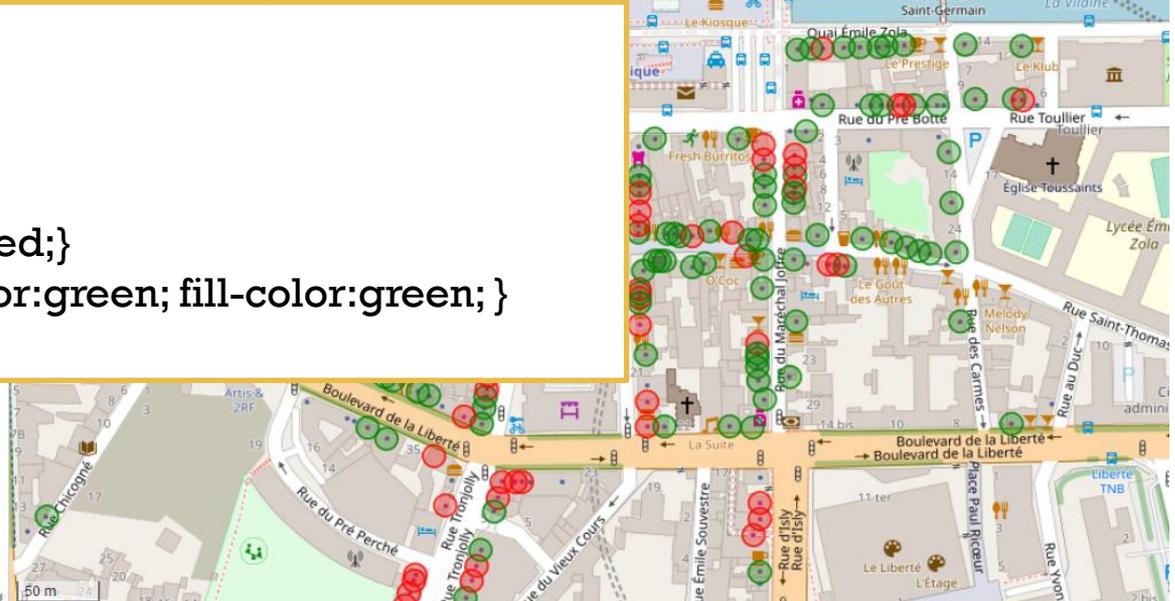
Mise en forme des magasins selon si l'information des horaires est remplie ou non

```
1 node[shop]
2   {{{bbox}}};
3   out;
4
5   {{style:
6   node
7   { color:red; fill-color: red; }
8
9   node[opening_hours]
10  { color:green; fill-color:green; }
11  }}
```



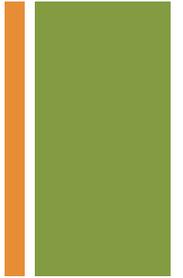
```
node[shop]{{{bbox}}};
out;

{{style:
node {color:red; fill-color: red;}
node[opening_hours] { color:green; fill-color:green; }
}}
```





Requête et style



Mise en forme des routes selon si l'information de vitesse est remplie ou non

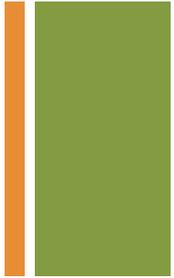
```
way ["highway"](((bbox)));  
  
{{style:  
  way{color: red;}  
  way[maxspeed]{ color:green; }  
}}  
  
// print results  
out body;  
>;  
out skel qt;
```

The image displays a map interface with a search bar at the top. The map shows a network of roads. Most roads are colored red, while a few are colored green. Red circles are overlaid on many of the red road segments, indicating a specific data point or feature. The map includes a search bar at the top, zoom controls on the left, and labels for 'Bois du Pin' and 'Bois de Poué' in the bottom right. The background shows a mix of green and grey areas, representing different terrain or land use types.

**+ Requêtes
contributeurs / date**



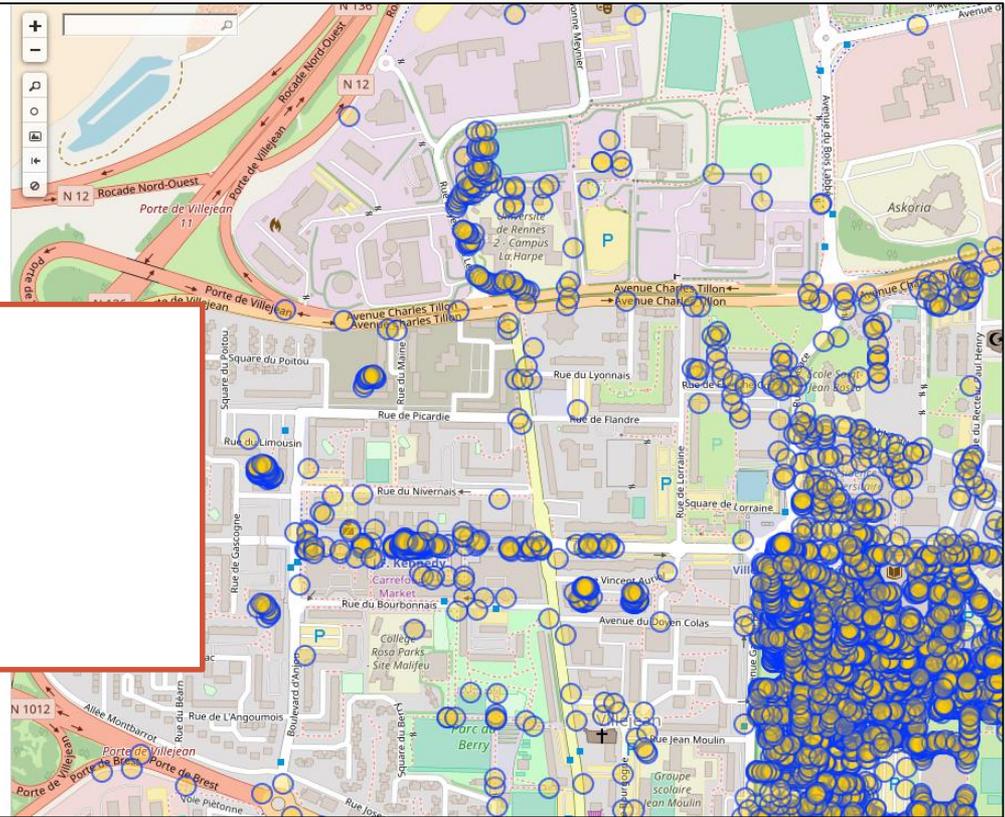
Extraction par contributeur



```
[out:json][timeout:25];  
(node(user:PanierAvide)({{bbox}}));  
  
out body;  
>;  
out skel qt;
```

```
[out:json][timeout:25];  
(node(user:SYL)({{bbox}}));
```

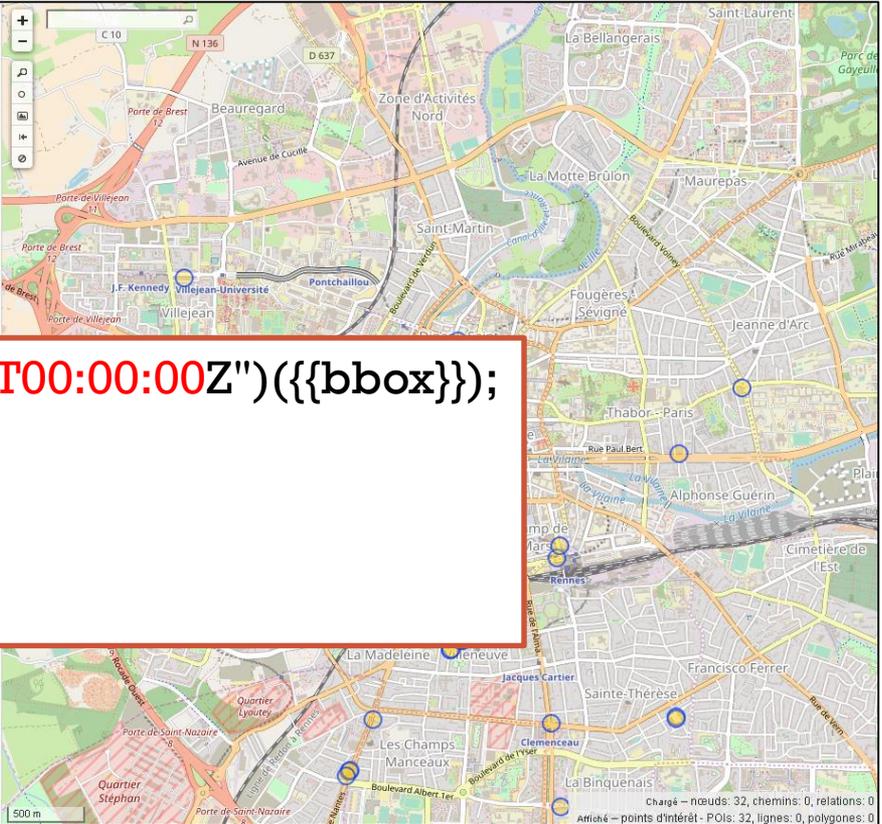
```
out body;  
>;  
out skel qt;
```



+ Extraction par date

Sélectionner les nouvelles aménités depuis le 1^{er} janvier

```
1 [out:json][timeout:25];  
2 { node["amenity"](newer:"2017-11-01T07:00:00Z")({{bbox}});  
3 };  
4 out body;  
5 >;  
6 out skel qt;  
7 |
```



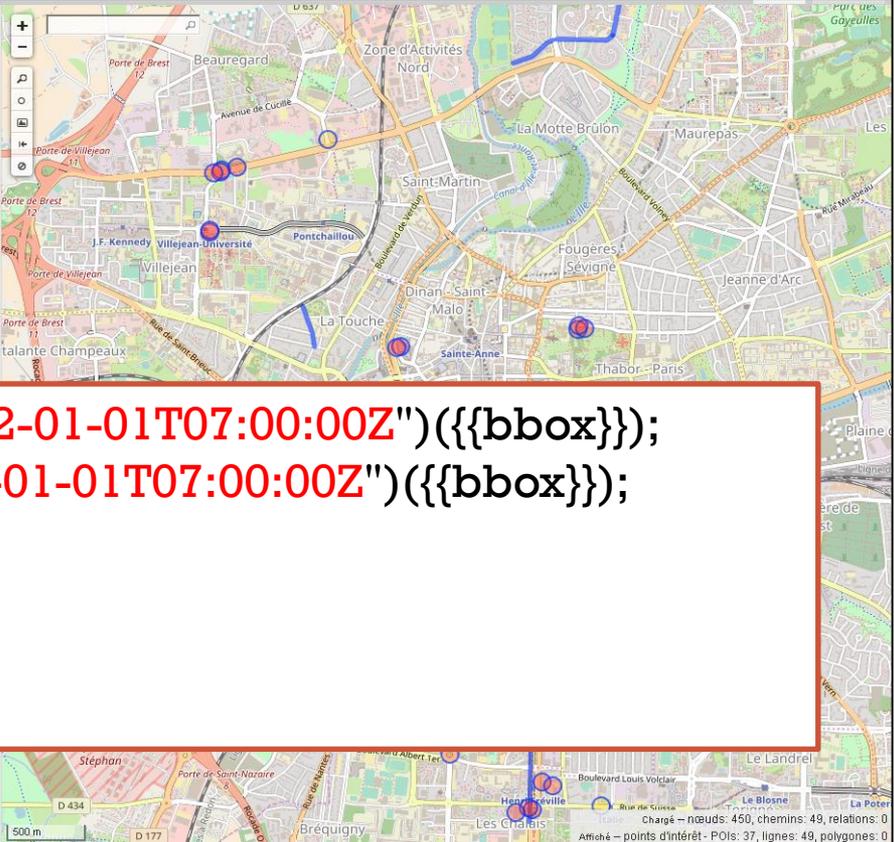
(node["amenity"](newer:"**2022-01-01T00:00:00Z**")({{bbox}});
);
out body;
>;
out skel qt;

Chargé - nœuds: 32, chemins: 0, relations: 0
Amenité - points d'intérêt - POIs: 32, lignes: 0, polygones: 0

+ Extraction par date

Sélectionner les routes mises à jour depuis le 1^{er} septembre

```
[out:json][timeout:25];
( node["highway"] (changed:"2017-11-01T07:00:00Z") ({{bbox}});
  way["highway"] (changed:"2017-11-01T07:00:00Z") ({{bbox}});
);
out body;
>;
out skel qt;
```



```
( node["highway"](changed:"2022-01-01T07:00:00Z") ({{bbox}});
  way["highway"](changed:"2022-01-01T07:00:00Z") ({{bbox}});
);
out body;
>;
out skel qt;
```

Chargé — nœuds: 450, chemins: 49, relations: 0
Amiéhé — points d'intérêt - POIs: 37, lignes: 49, polygones: 0

+

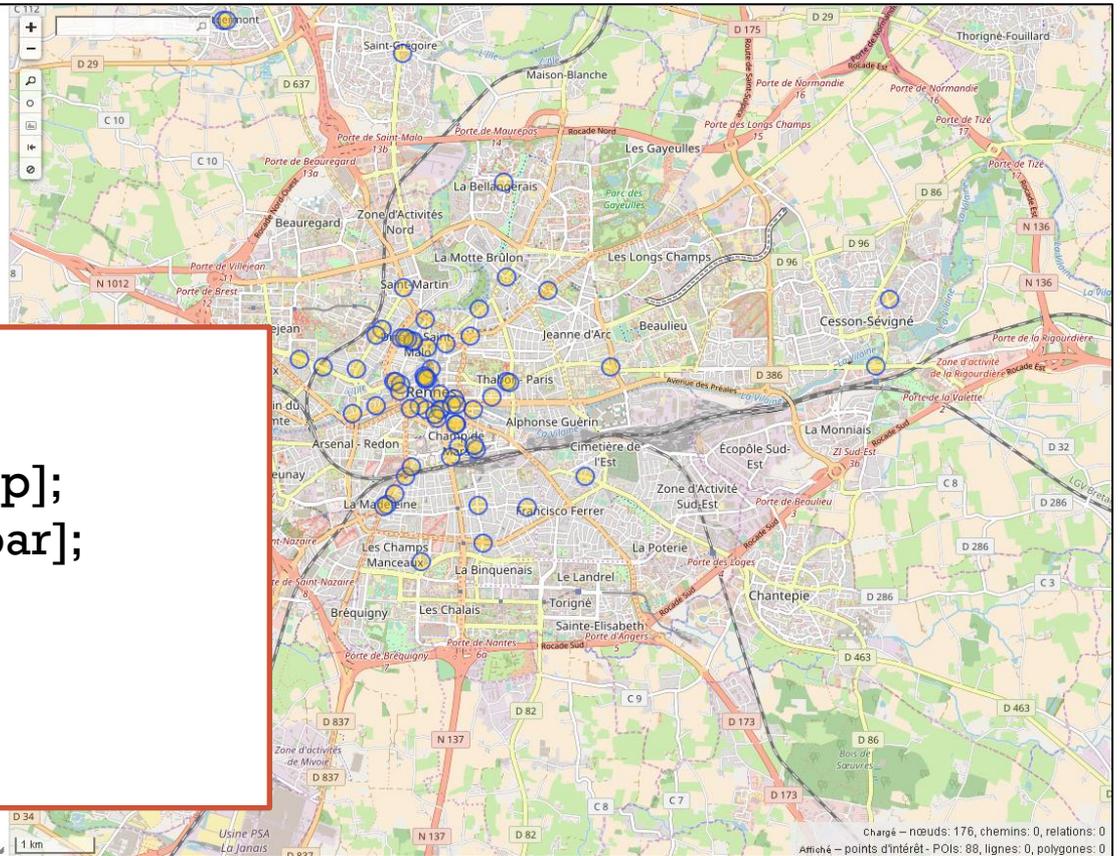
Requêtes spatiales

+ Sélection spatiale

Sélectionner tous les bars à moins de 100m d'un arrêt de bus

```
1 [out:json][timeout:25];  
2   area[name="Rennes"];  
3   node(area)[highway=bus_stop];  
4   node(around:100)[amenity=bar];  
5   out;  
6 out body;  
7 >;  
8 out skel qt;  
9 |
```

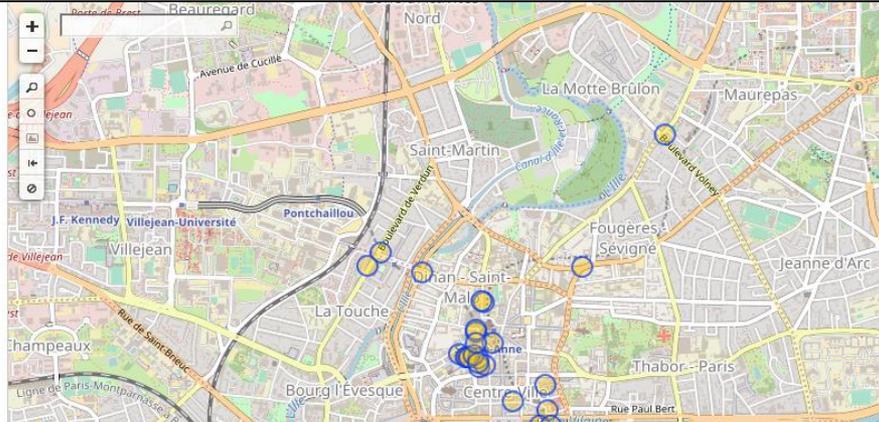
```
[out:json][timeout:25];  
area[name="Rennes"];  
node(area)[highway=bus_stop];  
node(around:100)[amenity=bar];  
out;  
out body;  
>;  
out skel qt;
```



+ Sélection spatiale

Sélectionner tous les bars à moins de 200m d'une station de métro

```
1 [out:json][timeout:25];
2   area[name="Rennes"];
3   node(area)["public_transport"="stop_position"] ["subway"="yes"] ;
4   node(around:200)[amenity=bar];
5   out;
6 out body;
7 >;
8 out skel qt;
```



```
[out:json][timeout:25];
area[name="Rennes"];
node(area)["public_transport"="stop_position"] ["subway"="yes"] ;
node(around:200)[amenity=bar];
out;
out body;
>;
out skel qt;
```

+ Sélection spatiale

Sélectionner les arrêts de bus à moins de 200m d'une station de métro



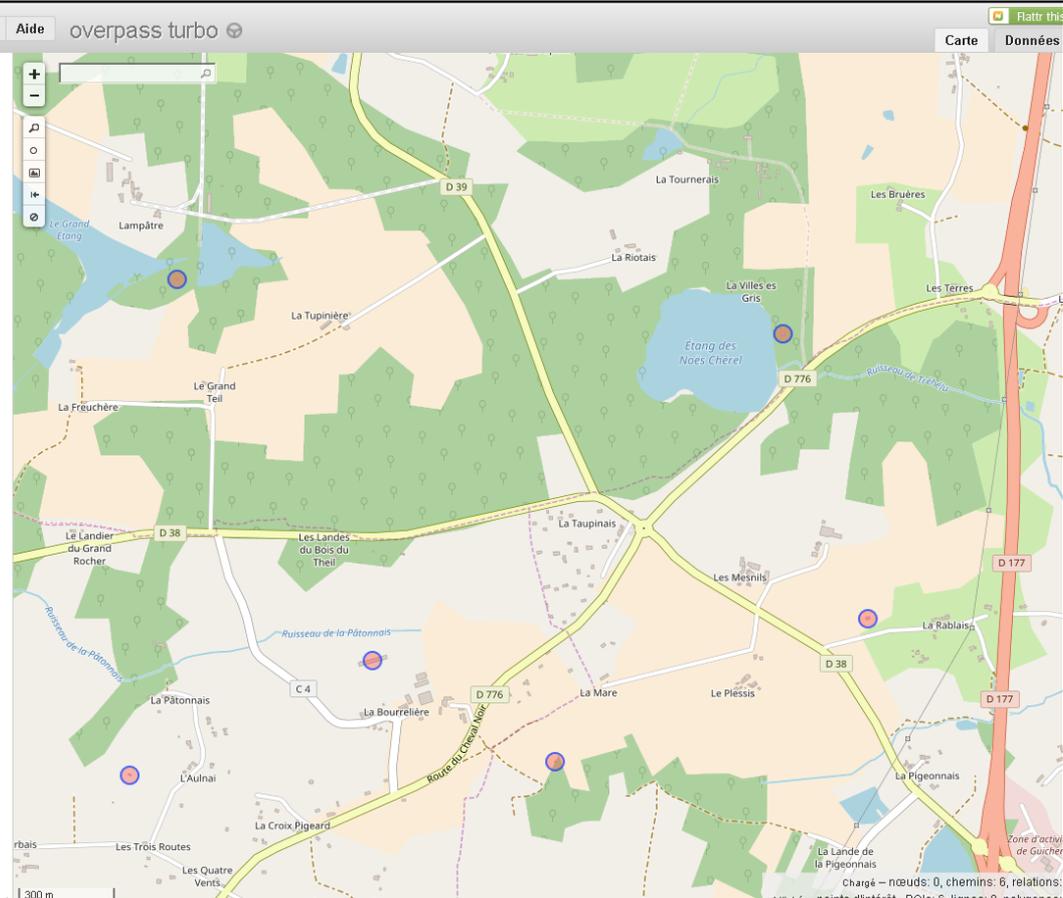
```
[out:json][timeout:25];
area[name="Rennes"];
node(area)["public_transport"="stop_position"] ["subway"="yes"] ;
node(around:200)["highway"="bus_stop"];
out;
out body;
>;
out skel qt;
```

+ Sélection spatiale

Sélectionner les bâtiments isolés (100m)

```
Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide overpass turbo
```

```
1 way[building]({{bbox}})->.a;  
2 foreach .a (  
3   way.a(around:100);  
4   way._(if:count(ways) == 1);  
5   out center;  
6 );
```



**way[building]({{bbox}})->.a;
foreach .a (
 way.a(around:100);
 way._(if:count(ways) == 1);
 out center;
);
out body;
>;
out skel qt;**

Carte Données

chargé - nœuds: 0, chemins: 6, relations: 0
points d'intérêt: 6, liens: 0, polygones: 0

+ Sélection spatiale

Sélectionner les aménités à moins de 200m d'une station de métro

Exécuter Partager Exporter Assistant Enregistrer Charger Paramètres Aide overpass turbo

```
1 [out:json][timeout:25];
2   area[name="Rennes"];
3   node(area)[public_transport=stop_position] [subway=yes];
4   node(around:200)[amenity];
5   out;
6 out body;
7 >;
8 out skel qt;
9
```

Carte Données

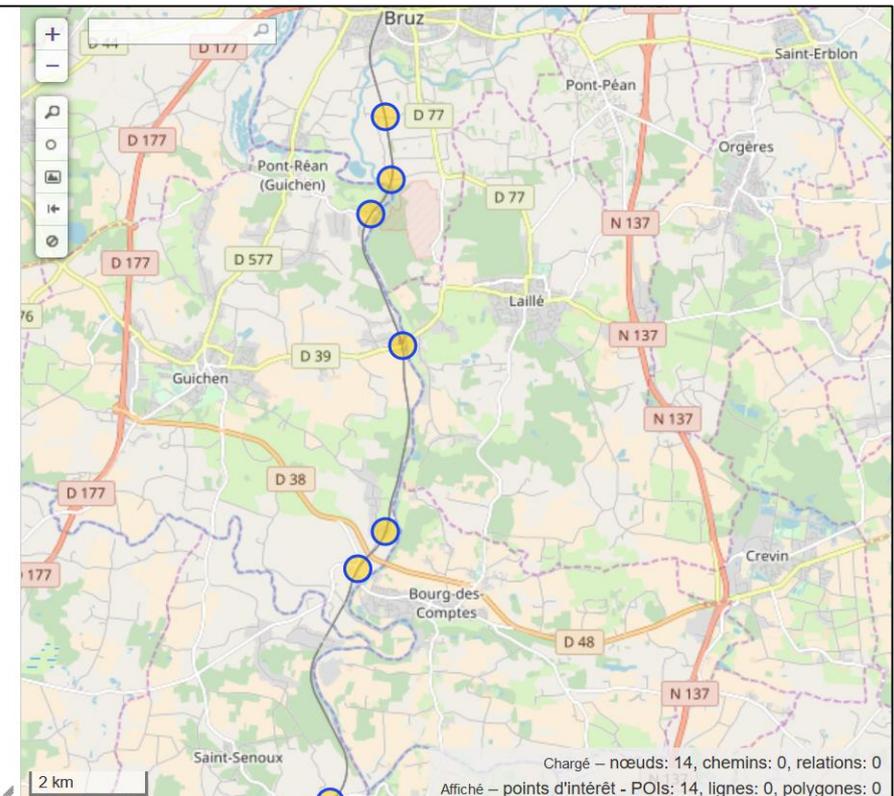
Chargé - nœuds: 3258, chemins: 0, relations: 0
Affiché - points d'intérêt - POIs: 1629, lignes: 0, polygones: 0

+ Sélection spatiale

Sélectionner les intersections entre routes et voies ferrées

```
1 [bbox:{{bbox}}];  
2 way["railway"="rail"]->.major;  
3 way["highway"]->.minor;  
4 node(w.major)(w.minor);  
5 out body;  
6 >;  
7 out skel qt;
```

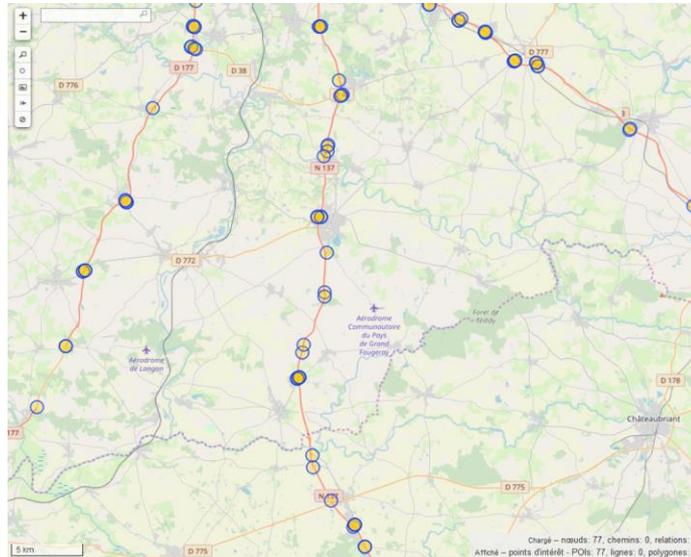
```
[bbox:{{bbox}}];  
way["railway"="rail"]->.major;  
way["highway"]->.minor;  
node(w.major)(w.minor);  
out body;  
>;  
out skel qt;
```



+ Sélection spatiale

Sélectionner les sorties des voies rapides

```
[bbox:{{bbox}}];  
way[highway~"^(motorway | trunk | (motorway | trunk)_link)$"]->.major;  
way[highway~"^(primary | secondary | service)$"]->.minor;  
node(w.major)(w.minor);  
out;
```



+ Sélections spatiales

Rechercher toutes communes qui n'ont pas d'école

```
// Output in CSV format
[out:csv(:,id, name)];

area[admin_level=6][name="Ille-et-Vilaine"][boundary=administrative]-
>.boundaryarea;

// Echelle d'analyse la commune
rel(area.boundaryarea)[admin_level=8];
// map relations to their respective area
map_to_area -> .all_level_8_areas;

// chercher toutes les écoles
( node(area.boundaryarea)[amenity="school"];
  way(area.boundaryarea)[amenity="school"];>);

// qui sont situées dans des communes
is_in;
area_[admin_level=8] -> .level_8_areas_with_school;

// Toutes les communes qui ne possèdent pas d'école
(.all_level_8_areas; - .level_8_areas_with_school;);

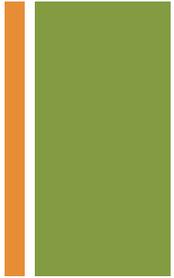
// Calculate and output relation
rel(pivot);
out geom;
```

```
1 @id name
2 89002 Dourdain
3 106684 Arbrissel
4 106686 Availles-sur-Seiche
5 106687 Amanlis
6 107908 Balazé
7 107909 Bais
8 107911 Boistrudan
9 107912 Brielles
10 107915 Bruc-sur-Aff
11 107918 Brie
12 108429 Châtillon-en-Vendelais
13 108430 Chelun
14 108431 Chancé
15 108434 Champeaux
16 108437 Cornillé
17 108440 Coësmes
18 111020 Drouges
19 111021 Domalain
20 111055 Erbrée
21 111056 Eancé
22 111057 Essé
23 116110 Gahard
24 123371 La Bazouge-du-Désert
25 123374 Lourmais
26 123375 Longaulnay
27 123380 Le Tiercent
28 123382 La Baussaine
29 123383 Le Châtellier
30 123385 La Boussac
31 123386 Le Ferré
32 123387 Luitré
33 128198 La Bosse-de-Bretagne
34 134221 Lanrigan
35 134223 Lalleu
36 134316 Lieuron
37 139656 Marcillé-Robert
38 139657 Montreuil-sous-Pérouse
39 139658 Moulins
40 139663 Moutiers
41 139664 Montreuil-des-Landes
42 139666 Monezé
```

+ Extraction massive de
données OSM



<https://www.openstreetmap.org>



OpenStreetMap Modifier Historique Exporter

Traces GPS Journaux des utilisateurs Droits d'auteur Aide À propos Se connecter S'inscrire

Exporter

47.18448	
-1.45485	-1.45064
47.18294	

[Sélectionner manuellement une autre zone](#)

Licence

Les données d'OpenStreetMap sont publiées sous la [licence Open Data Commons Open Database \(ODbL\)](#).

[Exporter](#)

Si l'export ci-dessus échoue, veuillez envisager l'utilisation de l'une des sources listées ci-dessous:

API Overpass

Télécharger ce cadre englobant depuis un miroir de la base de données OpenStreetMap

Planète OSM

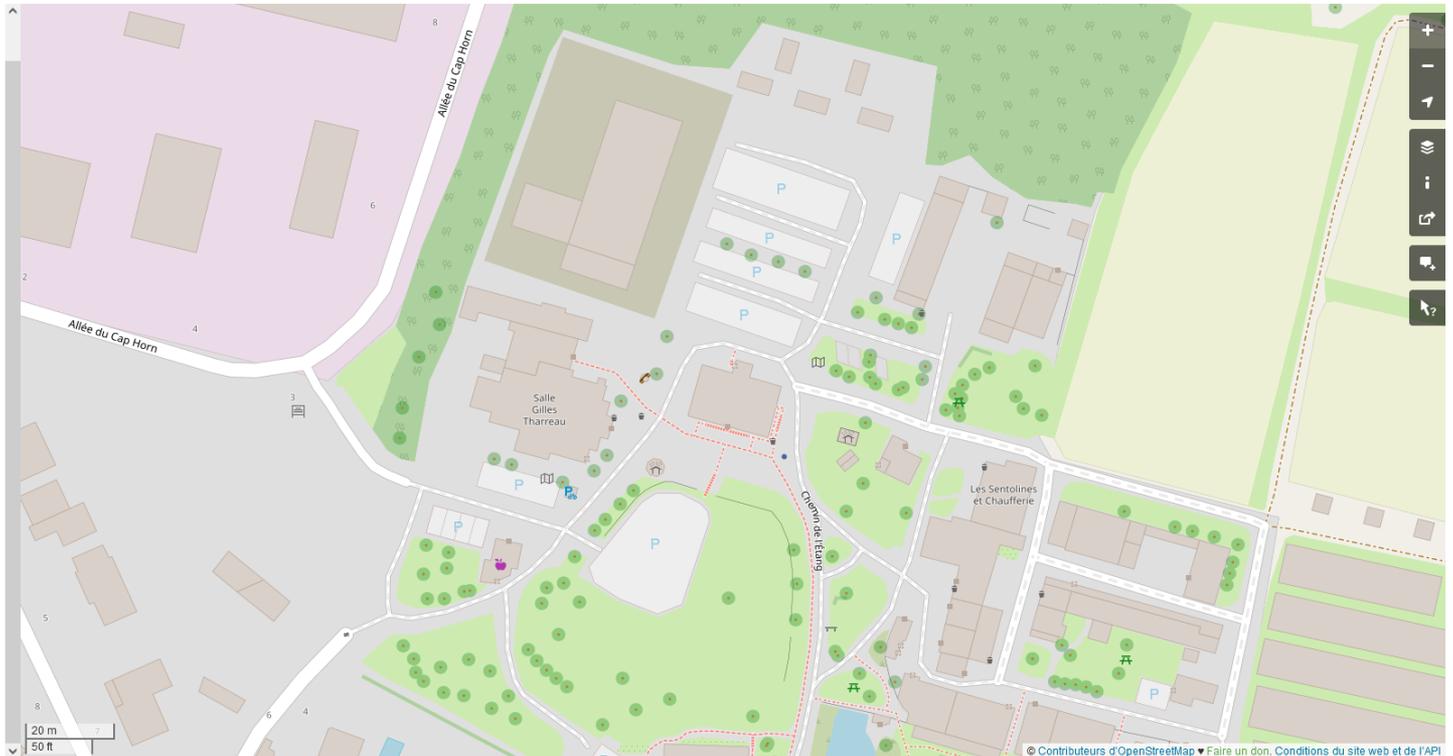
Copies régulièrement mises à jour de la base de données complète d'OpenStreetMap

Téléchargements de Geofabrik

Extractions régulièrement mises à jour des continents, des pays et des villes sélectionnées

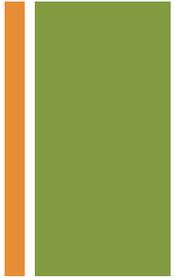
Autres sources

Sources supplémentaires listées sur le wiki d'OpenStreetMap





<https://extract.bbbike.org/>



en de fr ru - intro - à propos

Format

Shapefile (Esri)

Nom de la zone à extraire ou rechercher

Votre adresse électronique

Déplacez la carte dans la zone souhaitée.

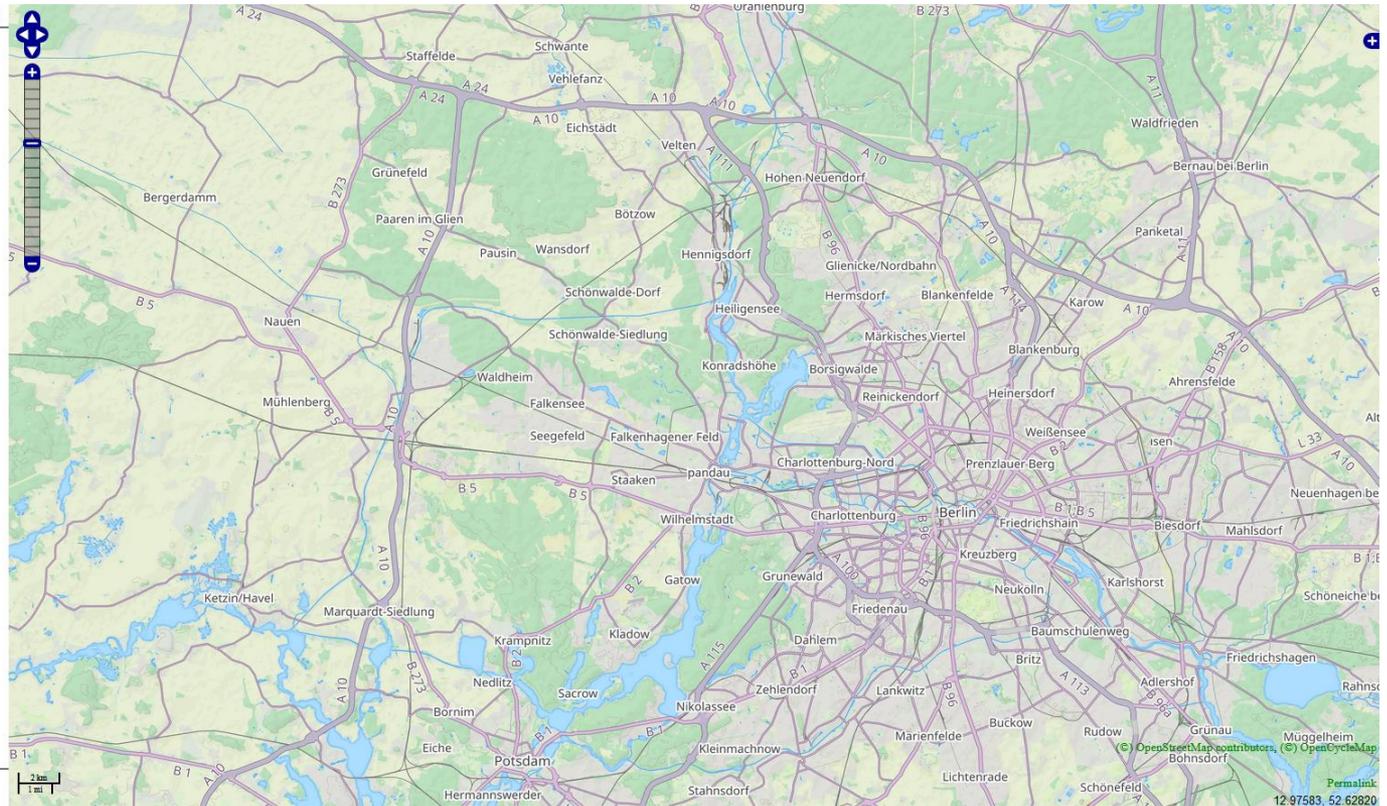
Cliquez ensuite pour créer un rectangle de sélection.

Donate



accueil | aide | garmin | statut | téléchargement | support commercial

(©) 2022 BBBike.org par Wolfram Schneider
Map data (©) OpenStreetMap.org contributors

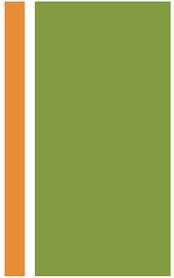


OpenStreetMap contributors, OpenCycleMap

Permalink
12 97583, 52.62820



<http://download.geofabrik.de/europe/france.html>



Download OpenStreetMap data for this region:

France

[\[one level up\]](#)

The OpenStreetMap data files provided on this server do **not** contain the user names, user IDs and changeset IDs of the OSM objects because these fields are assumed to contain personal information about the OpenStreetMap contributors and are therefore subject to data protection regulations in the European Union. [Extracts with full metadata](#) are available to OpenStreetMap contributors only.

Commonly Used Formats

- [france-latest.osm.pbf](#), suitable for Osmium, Osmosis, imposm, osm2pgsql, mkgmap, and others. This file was last modified 10 hours ago and contains all OSM data up to 2022-06-07T20:21:39Z. File size: 3.9 GB; MD5 sum: 4705a840197a75d5da69cf1cc0311424.
- [france-latest-free.shp.zip](#) is not available for this region; try one of the sub-regions.

Other Formats and Auxiliary Files

- [france-latest.osm.bz2](#), yields OSM XML when decompressed; use for programs that cannot process the .pbf format. This file was last modified 4 days ago. File size: 6.1 GB; MD5 sum: c5fd57caaa976d1fe1b767af07a56e3e.
- [france-internal.osm.pbf](#) The history file contains personal data and is available on the [internal server](#) only. See notice above for further information.
- [.poly file](#) that describes the extent of this region.
- [.osm.gz files](#) that contain all changes in this region, suitable e.g. for Osmosis updates
- [raw directory index](#) allowing you to see and download older files

Sub Regions

Click on the region name to see the overview page for that region, or select one of the file extension links for quick access.

Sub Region	Quick Links		
	.osm.pbf	.shp.zip	.osm.bz2
Alsace	[.osm.pbf] (109 MB)	[.shp.zip]	[.osm.bz2]
Aquitaine	[.osm.pbf] (238 MB)	[.shp.zip]	[.osm.bz2]
Auvergne	[.osm.pbf] (120 MB)	[.shp.zip]	[.osm.bz2]
Basse-Normandie	[.osm.pbf] (106 MB)	[.shp.zip]	[.osm.bz2]
Bourgogne	[.osm.pbf] (155 MB)	[.shp.zip]	[.osm.bz2]
Bretagne	[.osm.pbf] (269 MB)	[.shp.zip]	[.osm.bz2]
Centre	[.osm.pbf] (188 MB)	[.shp.zip]	[.osm.bz2]
Champagne-Ardenne	[.osm.pbf] (87 MB)	[.shp.zip]	[.osm.bz2]
Corse	[.osm.pbf] (28.4 MB)	[.shp.zip]	[.osm.bz2]
Franche-Comte	[.osm.pbf] (101 MB)	[.shp.zip]	[.osm.bz2]
Guadeloupe	[.osm.pbf] (25.9 MB)	✘	[.osm.bz2]
Guyane	[.osm.pbf] (11.6 MB)	✘	[.osm.bz2]

GEOFABRIK™ downloads

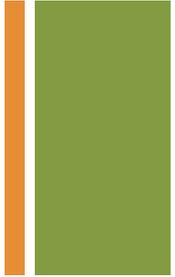


🇬🇧 Not what you were looking for? Geofabrik is a consulting and software development firm based in Karlsruhe, Germany specializing in OpenStreetMap services. We're happy to help you with data preparation, processing, server setup and the like. [Check out our web site](#) and contact us if we can be of service.

🇩🇪 Nicht das Richtige dabei? Die Geofabrik ist ein auf OpenStreetMap spezialisiertes Beratungs- und Softwareentwicklungsunternehmen in Karlsruhe. Gern helfen wir Ihnen bei der Datenaufbereitung, Datenkonvertierung, Serverinstallation und ähnlichen Aufgaben. [Besuchen Sie unsere Webseite](#) und sprechen Sie mit uns, wenn wir Ihnen helfen können.



<https://download.osmdata.xyz/>



Global openstreetmap data extracts | osmdata.xyz

Introduction: This project provides global data extracts based on [OpenStreetMap data](#) as GeoPackages. Each extract represents its related [primary feature](#) regarding the [OpenStreetMap project](#).

Information about this project and data processing: [osmdata.xyz on GitHub](#)

Updates are available every month.

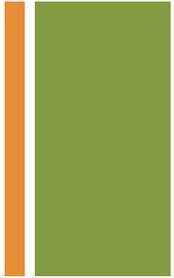
Downloads

Note: The GeoPackages are compressed into ZIP-Archives. Projection of the geodata: [WGS 84](#) | [EPSG 4326](#)

Name	File	ZIP size MB approx.	GeoPackage size MB approx.	Last update dd.mm.yyyy
Address	address_EPSG4326.zip	12 985	38 961	02.05.2022
Aerialway	aerialway_EPSG4326.zip	9	40	02.05.2022
Aeroway	aeroway_EPSG4326.zip	89	274	02.05.2022
Amenity	amenity_EPSG4326.zip	2 450	8 299	02.05.2022
Barrier	barrier_EPSG4326.zip	1 578	6 031	02.05.2022
Boundary	boundary_EPSG4326.zip	5 500	8 945	02.05.2022
Building	building_EPSG4326.zip	53 000	207 367	02.05.2022
Craft	craft_EPSG4326.zip	24	75	02.05.2022
Emergency	emergency_EPSG4326.zip	132	714	02.05.2022



https://wiki.openstreetmap.org/wiki/Overpass_API



français Créer un compte Se connecter

Page Discussion

Lire Voir le texte source Voir l'historique

Rechercher sur OpenStreetMap Wiki

Overpass API

Overpass API — Autres langues

Deutsch · English · español · français · italiano · português · русский · 中文 (简体) · 中文 (繁體) · 日本語 ·

Autres langues · Traduire

Overpass API · Language reference · Language guide · Technical terms · Areas · Query examples · Advanced examples · Sparse Editing · Permanent ID · FAQ · more · Web site

Servers status · Versions · Development · Technical design · Installation · XAPI compatibility layer · Public transport sketch lines · Applications · Source code and issues

Overpass turbo · Wizard · Overpass turbo shortcuts · MapCSS stylesheets · Export to GeoJSON · more · Development · Source code and issues · Web site



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- 14 Programs/Scripts around Overpass
 - 14.1 Python API

Overpass API



Authors: [drolbr/Overpass-API/graphs/contributors](#)

Website: overpass-api.de

Source code: [drolbr/Overpass-API](#)

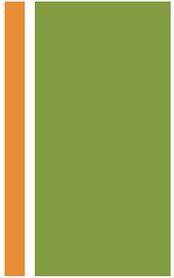
A database engine to query the OpenStreetMap data



- Accueil
- The map
- Éléments cartographiques
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- Modifications récentes
- Outils
- Pages liées
- Suivi des pages liées
- Pages spéciales
- Version imprimable
- Lien permanent
- Informations sur la page
- Citer cette page



Deux outils complémentaires



overpass turbo

```
1 ( node["amenity"](newer:"2022-01-01T00:00:00Z")({bbox}));  
2 );  
3 out body;  
4 >;  
5 out skel qt;  
6
```

Chargé - nœuds: 868, chemins: 0, relations: 0
Affiché - points d'intérêt - POIs: 868, lignes: 0, polygones: 0

QuickOSM

Quick query **Successful query, but no result.**

Help with key/value Reset

Key: name

Value: Umweltzone Heidelberg

In Germany 1000 m

Extent of the map canvas

Extent of a layer

Advanced

<input checked="" type="checkbox"/> Node	<input checked="" type="checkbox"/> Points
<input checked="" type="checkbox"/> Way	<input checked="" type="checkbox"/> Lines
<input checked="" type="checkbox"/> Relation	<input checked="" type="checkbox"/> Multilinestrings
	<input checked="" type="checkbox"/> Multipolygons

Timeout: 25

Directory: Save to temporary file Browse

File prefix:

Show query Run query

No result

100%