

Post Boxes

mundane street furniture OR ...

Jerry Clough : SK53

Maps Matter Blog:
@SK53onOSM;

Reusable under Creative Commons CC-BY-SA

Conceptual Issues

- At least 2 fundamental concepts
 - A physical object
 - A service : collection of mail (letters/small parcels) for delivery by a postal system



Post Box Types



Anatomy of a Post Box

- Aperture(s)
- Collection Plate
- Royal Cypher
- Logo



Designs



Royal Cyphers

- The initials of the current monarch are shown on most UK post boxes
 - VR Queen Victoria
 - EVIIR Edward VII
 - GR George V
 - EVIIIR Edward VIII
 - GVIR George VI
 - EIIR Elizabeth II
- Background see OSM Wiki Royal Cypher:
https://wiki.openstreetmap.org/wiki/Key:royal_cypher



The Scottish Royal Crown

- Queen of the United Kingdom is:
 - Queen Elizabeth II (of England, Wales & Northern Ireland)
 - Queen Elizabeth of Scotland
- EIIR royal cypher was unacceptable in Scotland
- Replaced with Crown of Scotland
- Background see Pillar Box Wars, on Wikipedia
https://en.wikipedia.org/wiki/Pillar_Box_War



Royal Cyphers

- But this is just a UK issue...
-

Royal Cyphers

- But this is just a UK issue...
- ... not exactly



Colour

- Usually a default property related to the owner/operator of the box:
 - Green : An Post
 - Red: Royal Mail, Poczta Polska
 - Yellow: Deutsche Post : Yellow
- BUT...
 - Exceptions, especially in Windsor and



Gold Post Boxes



Post Boxes as Heritage Objects



OSM Postbox Tag Keys Report

Lists the keys found on UK postboxes, ordered by number of uses. Uncommon keys are not necessarily errors.

Key	# Uses	%	LE	Notes	Detailed Report
amenity	69831	100.00	3h		
ref	55449	79.40	3h	The post box number.	Reference Issues
post_box:type	33016	47.28	11h	The generic type of box (pillar, lamp, wall, meter).	Box Type Report
operator	29611	42.40	22h	The entity that operates/empties the box. For most UK boxes, this will be "Royal Mail".	Operator Values List
royal_cypher	27232	39.00	11h	The reigning monarch's initials and number, as shown on the box.	Royal Cypher Report
collection_times	24244	34.72	11h	Last collection times for the box, using the opening_hours syntax.	Collection Times Report
source	15053	21.56	31h	The source mapper used to derive the box location and/or tagging.	
postal_code	6229	8.92	2d	Postcode of the box (though postboxes don't technically have postcodes).	
collection_plate	2592	3.71	24h	The code for the size and shape of the collection plate fitted to the box.	
post_box:design	2307	3.30	31h	The specific model/design of box (e.g. type_k, ludlow, indoor_pillar, etc.).	Box Type Report
drive_through	2026	2.90	4d		
created_by	1907	2.73	5w	Obsolete tag for editor software name.	
note	1899	2.72	25h	Notes concerning unusual features of the box.	Note Values List
survey:date	1744	2.50	31h		
post_box:mounting	1543	2.21	30h	Method of mounting or the object the box is fixed to.	Box Type Report
post_box:apertures	1065	1.53	2d	The number of apertures of the box.	
box_type	998	1.43	31h	The generic type of box (pillar, lamp, wall, meter).	Box Type Report
name	819	1.17	31h	The name of the box. It is unclear whether any boxes actually have a name.	Name Values List
fixme	609	0.87	4d	Notes to other mappers related to missing or incorrect information.	Fixme Values List

Summary

Tagging ain't broke, don't fix it!

- It allows complex concepts to be imparted with deceptive simplicity
- Tags should be verifiable
- Interpretation always requires additional real-world knowledge & expectations of default assumptions
- Representing these concepts with more formal approaches is 1-∞ order-of-magnitude more complex



OpenStreetMap Brazil

Banco de Endereços Brasileiro Aberto (BEBA)

Thierry Jean

+55 11 99607-1319

thierry@openstreetmap.com.br

Colaborador do OpenStreetMap Brasil

Apoio:

LOGAN SER

Nota de informação da CONCAR recomendando o uso do OSM



SUMÁRIO EXECUTIVO

1. Trata-se de encaminhamento da reunião ocorrida em 26 de março de 2018, demandada pelo Sr. Thierry Jean, representante da comunidade *OpenStreetMap* (OSM) no Brasil, no gabinete da Secretaria de Planejamento e Assuntos Econômicos.
2. Este documento tem por objetivo apresentar as potencialidades de aplicação do *OpenStreetMap* (OSM) como ferramenta de apoio à Infraestrutura Nacional de Dados Espaciais (INDE).

INFORMAÇÕES

3. O OSM é um projeto de mapeamento colaborativo mundial que, de forma semelhante à Wikipédia, é mantido por uma comunidade de colaboradores que realizam a atualização e acrescentam novos dados a sua base de dados pública e global. Assim, por meio dessa plataforma, qualquer pessoa pode criar e editar um mapa integrado à base da plataforma e disponibilizado publicamente na web.
4. Na prática, é um serviço de características semelhantes a serviços comerciais tais como *Google Maps*, *Bing Maps* e outros. No entanto, o OSM apresenta o diferencial de que os dados são publicados como dados abertos, sob a licença *Open Data Commons Database License* (ODbL).
5. Esse tipo de licença permite, resumidamente, copiar, distribuir, transmitir e adaptar os dados, desde que atribua a autoria ao *OpenStreetMap* e seus colaboradores. Em caso de alteração ou adição de conteúdo aos dados do OSM, pode-se distribuir o resultado apenas com a licença ODbL.

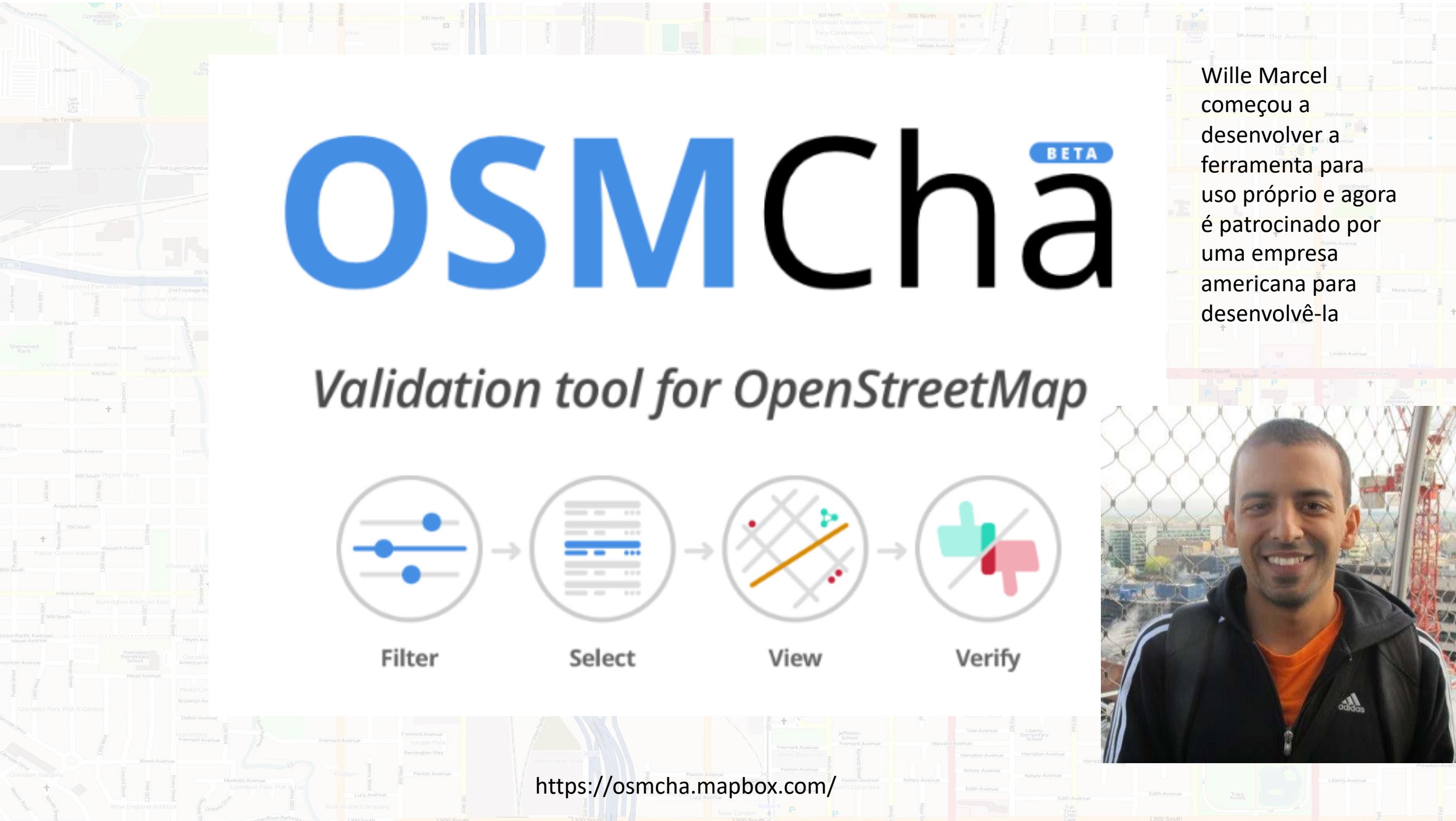
MINISTÉRIO DO PLANEJAMENTO, ORÇAMENTO E GESTÃO
Secretaria de Planejamento e Assuntos Econômicos
Departamento de Planejamento, Avaliação e Assuntos Sociais
Coordenação-Geral de Avaliação de Políticas Públicas

Nota Informativa SEPLAN-MP

ASSUNTO: Potencialidades de aplicação do *OpenStreetMap* (OSM) no âmbito da Infraestrutura Nacional de Dados Espaciais (INDE)

Referência: Decreto nº 6.666/2008, que cria a Infraestrutura Nacional de Dados Espaciais (INDE)





OSMcha

BETA

Validation tool for OpenStreetMap



Filter



Select



View



Verify

<https://osmcha.mapbox.com/>

Wille Marcel
começou a
desenvolver a
ferramenta para
uso próprio e agora
é patrocinado por
uma empresa
americana para
desenvolvê-la



Cristian Quest era presidente da OSM France e convenceu o ministério das finanças, os Correios e O Instituto de Geografia Nacional a se juntar para produzir um banco de dados de endereços aberto.

Hoje, é contratado do governo para este projeto.



French "BANO" address database project

from State of the Map PLUS 5 months ago / CC BY ALL AUDIENCES

<https://vimeo.com/album/3134207/video/112449526>

Uma parte da tecnologia está pronta (É só replicar no Brasil)



adresse.data.gouv.fr

Données nationales

Bases locales

API

Contribuer

Outils

FAQ

adresse.data.gouv.fr

Référencer l'intégralité des adresses du territoire et les rendre utilisables par tous

Pour que les **services d'urgence** arrivent au bon endroit, pour vous permettre de réaliser une analyse **cartographique** en quelques clics ou encore pour que les opérateurs **publics et privés** coordonnent mieux leurs chantiers, les adresses sont un véritable enjeu de **souveraineté** pour la France.



<https://adresse.data.gouv.fr/>

O que precisamos para lançarmos Banco de Endereços Brasileiro Aberto (BEBA) no Brasil?

Boas vontades

União de alguns atores chaves (1 ou 2 órgãos de governo, algumas empresas e dá para começar)

Um servidor de qualidade (SERPRO ou IBGE ou alguma universidade poderão dar facilmente)

Algumas semanas de programação para fazer o site e as APIs

Manutenção do projeto

Retorno sobre investimento?

A logística representa 12% do PIB no Brasil

Uma base de endereços aberta de qualidade pode aumentar em 5% a eficiência da logística no Brasil

Isto quer dizer que pode impactar o PIB Brasileiro em
 $5\% \times 12\% = 0,6$ pontos percentuais

0,6% do PIB (6,8 Trilhões) = R\$ 40 bilhões

Investimento: R\$ 100.000

ROI: 40 bilhões/100.000 !!!!



**Who would like to
join the effort?**

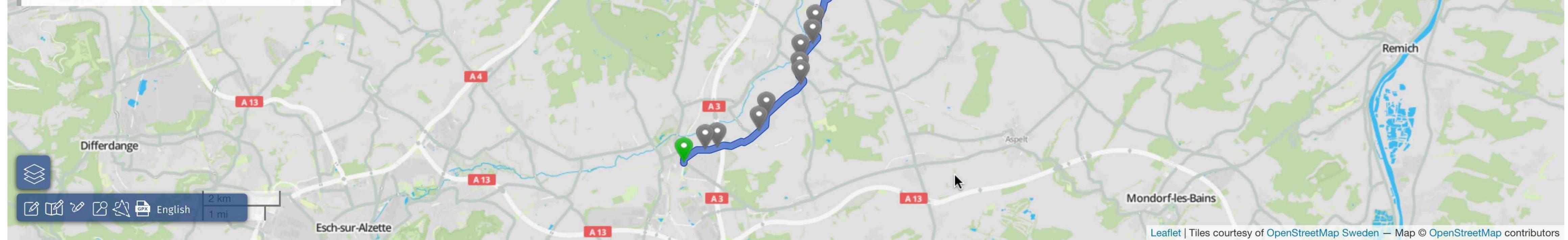
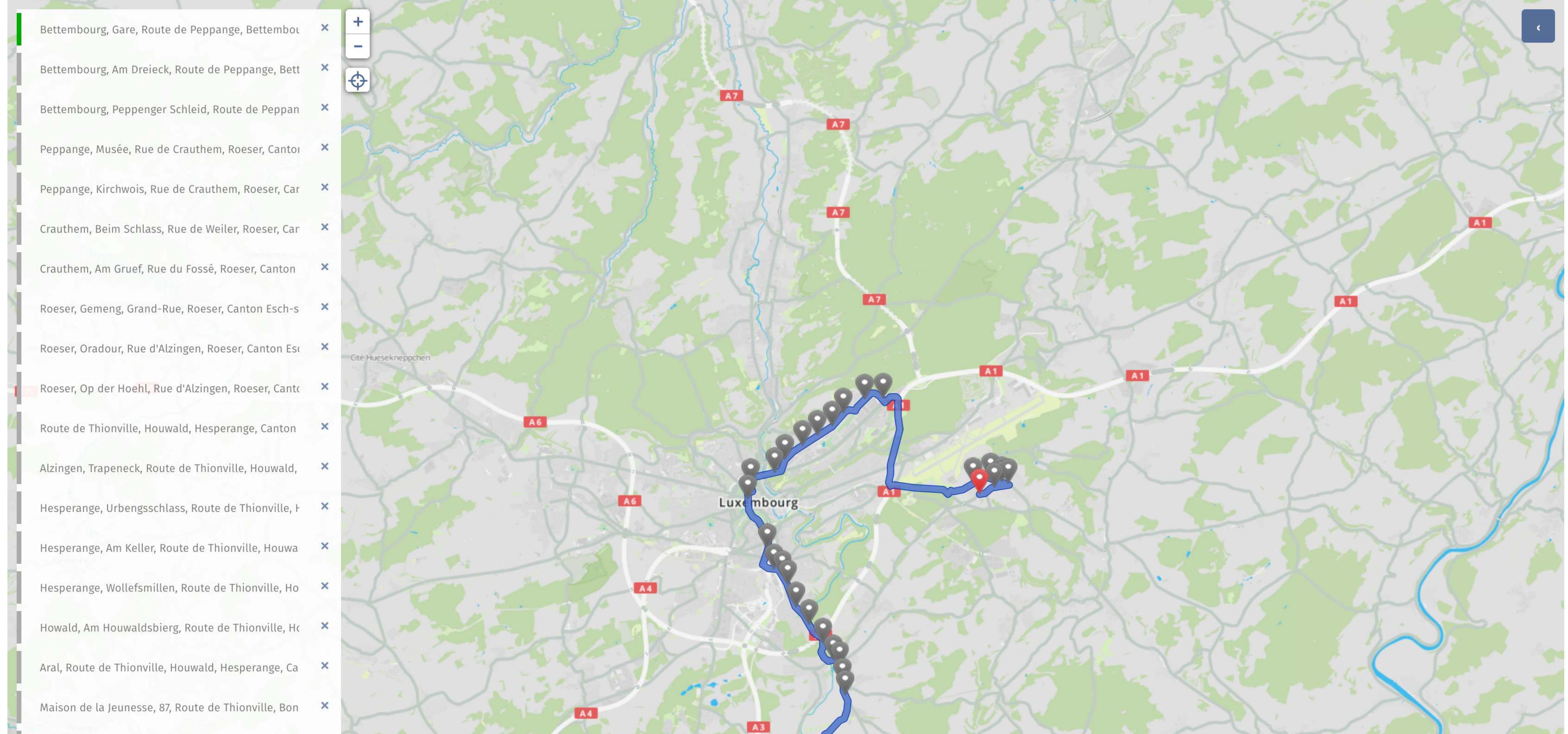
Thierry Jean +55 11 9 9607 1319
thierry@openstreetmap.com.br
www.openstreetmap.org
www.openstreetmap.com.br

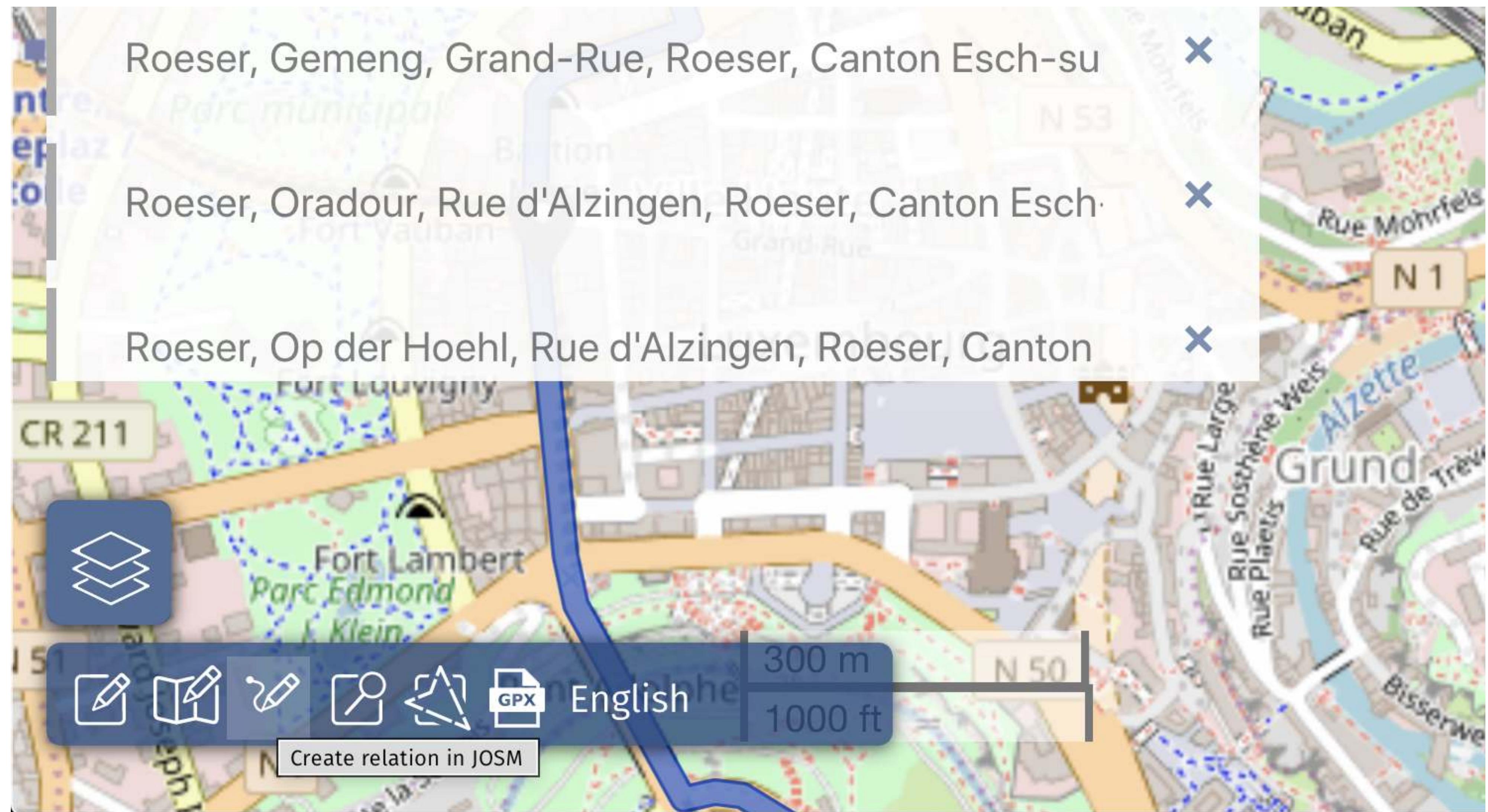
Apoio:

LOGAN SER ✓

Copy-paste nodes from a JOSM relation window to here.

```
# Example: line 194
node 2026263950 stop # Bettembourg, Gare (49.5165995, 6.1020931) [id: 2,026,263,950]
node 1887456035 platform # Bettembourg, Gare (49.5166143, 6.102128) [id: 1,887,456,035]
node 4284315504 stop # Bettembourg, Am Dreieck (49.5195552, 6.1100109) [id: 4,284,315,504]
node 293640701 platform # Bettembourg, Am Dreieck (49.5195124, 6.109884) [id: 293,640,701]
node 4284315506 stop # Bettembourg, Peppenger Schleid (49.520066, 6.114699) [id: 4,284,315,506]
node 330154320 platform # Bettembourg, Peppenger Schleid (49.5200155, 6.1146586) [id: 330,154,320]
node 4284315534 stop # Peppange, Musée (49.5241325, 6.1299225) [id: 4,284,315,534]
node 78189537 platform # Peppange, Musée (49.5240323, 6.1298736) [id: 78,189,537]
node 4284315532 stop # Peppange, Kirchwois (49.5274712, 6.1328087) [id: 4,284,315,532]
node 78201170 platform # Peppange, Kirchwois (49.5274528, 6.1328453) [id: 78,201,170]
node 78224929 stop # Crauthem, Beim Schlass (49.5353465, 6.1455211) [id: 78,224,929]
node 1263927166 platform # Crauthem, Beim Schlass (49.5352459, 6.1454914) [id: 1,263,927,166]
node 947061231 stop # Crauthem, Am Gruef (49.5372618, 6.1452036) [id: 947,061,231]
node 1263995649 platform # Crauthem, Am Gruef (49.5372815, 6.1452791) [id: 1,263,995,649]
node 4284315536 stop # Roeser, Gemeng (49.541159, 6.1454689) [id: 4,284,315,536]
node 4236356560 platform # Roeser, Gemeng (49.541125, 6.1455295) [id: 4,236,356,560]
node 4284315539 stop # Roeser, Weilerstrooss (49.5451328, 6.1499193) [id: 4,284,315,539]
node 78222280 platform # Roeser, Weilerstrooss (49.5451047, 6.1499669) [id: 78,222,280]
node 4284315537 stop # Roeser, Op der Hoehl (49.5483431, 6.1510445) [id: 4,284,315,537]
node 1993610446 platform # Roeser, Op der Hoehl (49.5483147, 6.1511322) [id: 1,993,610,446]
node 4284315502 stop # Alzingen, Hondsbréck (49.5649046, 6.1620726) [id: 4,284,315,502]
node 3854186839 platform # Alzingen, Hondsbréck (49.5649185, 6.1621737) [id: 3,854,186,839]
node 4236356568 stop # Alzingen, Trapeneck (49.5677726, 6.1610153) [id: 4,236,356,568]
node 3854165566 platform # Alzingen, Trapeneck (49.5678802, 6.1611005) [id: 3,854,165,566]
node 4284315515 stop # Hesperange, Urbengsschlass (49.5716992, 6.1598965) [id: 4,284,315,515]
node 276514988 platform # Hesperange, Urbengsschlass (49.571501, 6.1601159) [id: 276,514,988]
node 4284315512 stop # Hesperange, Am Keller (49.5734203, 6.1573573) [id: 4,284,315,512]
node 65633023 platform # Hesperange, Am Keller (49.573507, 6.1572974) [id: 65,633,023]
node 4284315516 stop # Hesperange, Wollefsmillen (49.5773809, 6.153793) [id: 4,284,315,516]
node 1243797388 platform # Hesperange, Wollefsmillen (49.5773755, 6.1538605) [id: 1,243,797,388]
node 4117758131 stop # Howald, Am Houwaldsbierg (49.5818253, 6.148601) [id: 4,117,758,131]
node 3400421171 platform # Howald, Am Houwaldsbierg (49.5818476, 6.1486807) [id: 3,400,421,171]
node 4284315518 stop # Howald, Jhangeli (49.5859825, 6.1438605) [id: 4,284,315,518]
node 710584000 platform # Howald, Jhangeli (49.5859205, 6.1441187) [id: 710,584,000]
node 4284315509 stop # Bonnevoie, Neufchâteau (49.5914094, 6.1405085) [id: 4,284,315,509]
```





0 2.00 km

Layers
Tags/Memberships
Selection
Relations: 1

route ("AAA FIXME", 192 members) [id: 0]

Edit new relation in layer 'Data Layer 2'

Tags and Members Parent Relations Child Relations

Tags

Key	Value
public_transport:version	2
ref	AAA FIXME
route	bus
type	route

Members

Role	Refers to
stop	Avenue de la Porte-Neuve (4 nodes) [id: 127,089,2... Avenue de la Porte-Neuve (7 nodes) [id: 127,024,3... Avenue de la Porte-Neuve (2 nodes) [id: 654,261,6... Avenue de la Porte-Neuve (11 nodes) [id: 647,877,... Boulevard Robert Schuman (2 nodes) [id: 654,261,... Boulevard Robert Schuman (3 nodes) [id: 127,024,... Boulevard Robert Schuman (2 nodes) [id: 127,086,... Pont Grande-Duchesse Charlotte (2 nodes) [id: 9,8... Avenue John F. Kennedy (3 nodes) [id: 71,197,436,... Avenue John F. Kennedy (4 nodes) [id: 543,633,79... Avenue John F. Kennedy (2 nodes) [id: 268,506,36... Avenue John F. Kennedy (5 nodes) [id: 157,840,52... Boulevard Konrad Adenauer (2 nodes) [id: 49,248,... Boulevard Konrad Adenauer (23 nodes) [id: 49,249... Boulevard Konrad Adenauer (2 nodes) [id: 708,789... Boulevard Konrad Adenauer (8 nodes) [id: 708,789... Boulevard Konrad Adenauer (5 nodes) [id: 705,930... Boulevard Konrad Adenauer (2 nodes) [id: 95,511,... Boulevard Konrad Adenauer (8 nodes) [id: 95,542,...

Selection

Apply Role: stop

OK Cancel Help

public_transport:version=?