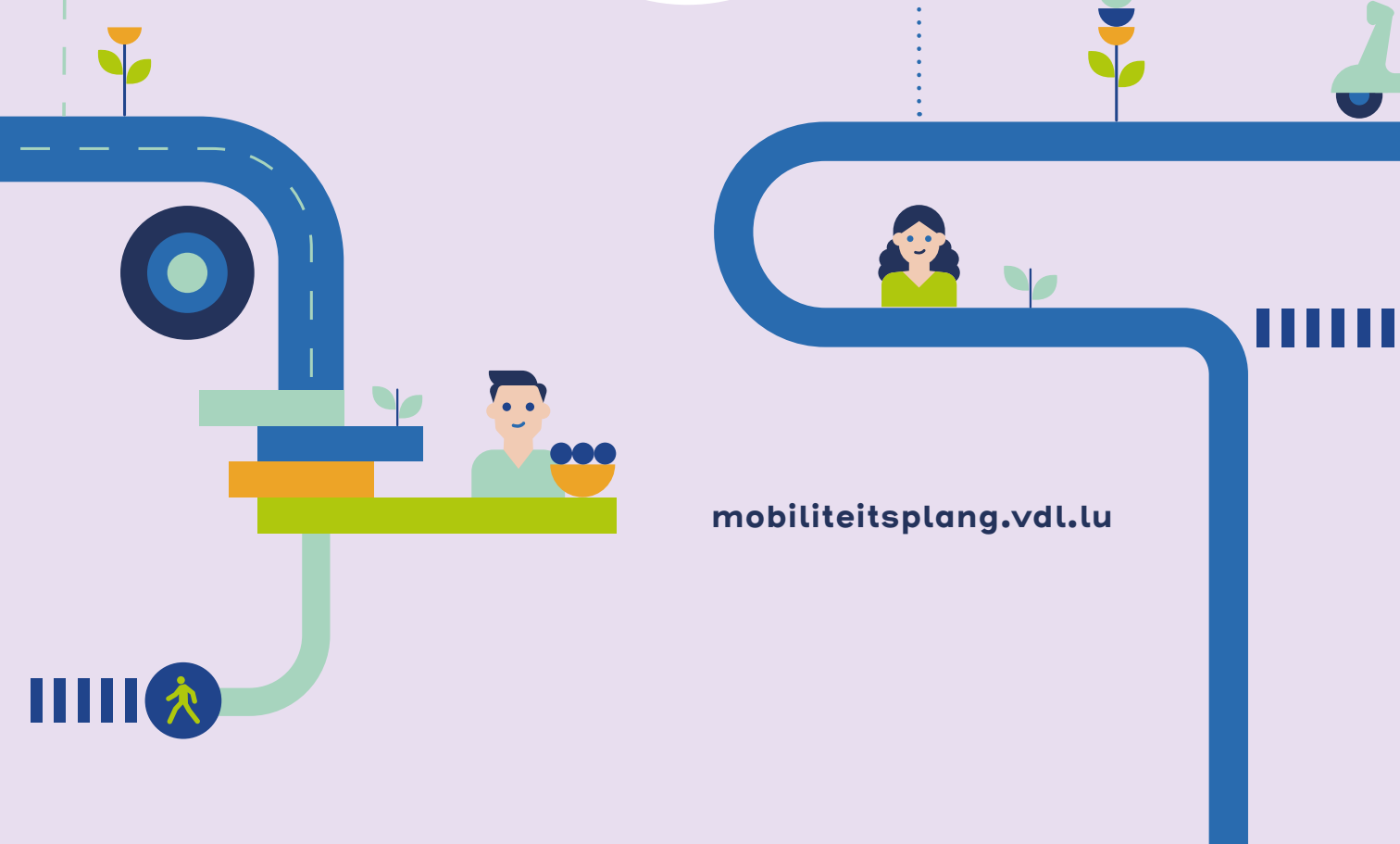


Onse **Mobilitéitsplang** fir muer  
vernetzt · innovativ · nohaltteg

# FIGURES



[mobilitéitsplang.vdl.lu](http://mobilitéitsplang.vdl.lu)

## Figure 1

City layout, incl. districts

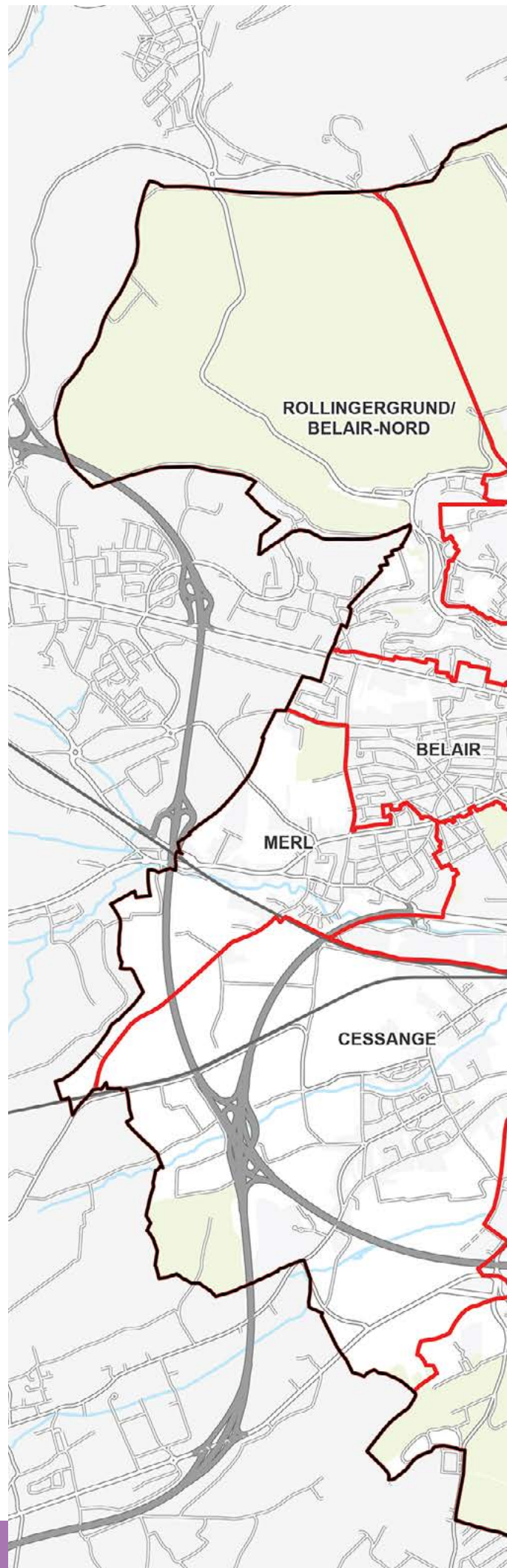
— District boundary

— Highway

— National road

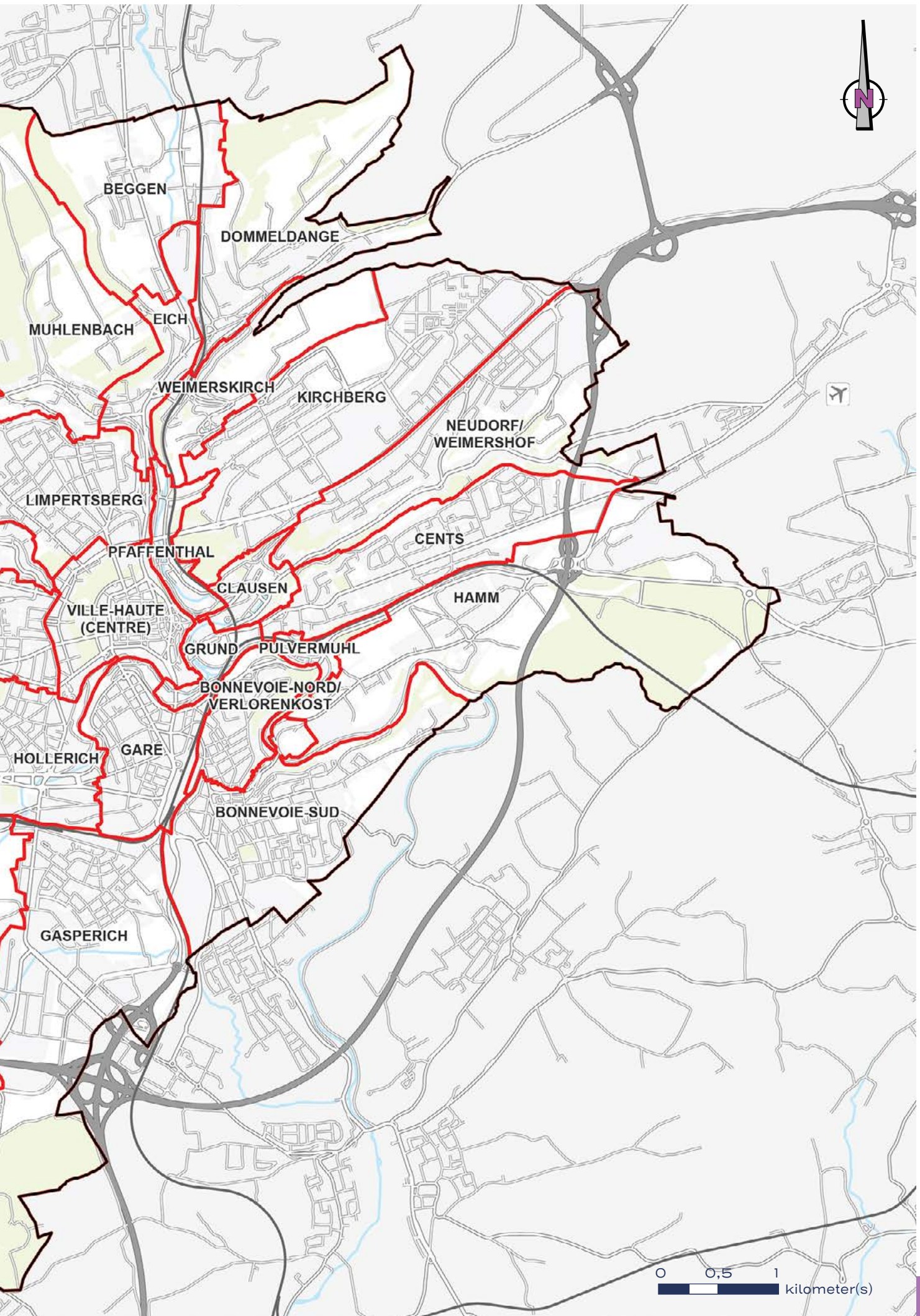
— Subordinate road/country road

— Access road



Mapping basis and sources:  
GIS, Stadt Luxemburg, As of 2023

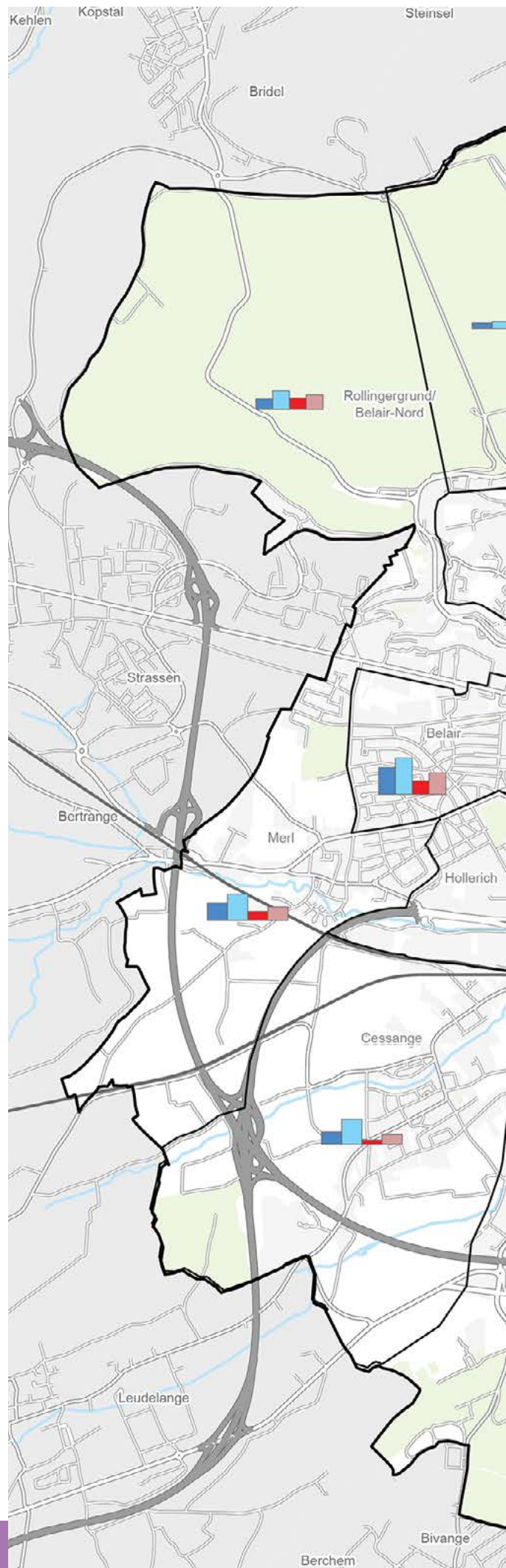
Last updated: February 2024



## Figure 2

Residents and jobs by district,  
reference year 2020 & forecast 2035

- Residents 2020
- Residents 2035
- Jobs 2020
- Jobs 2035



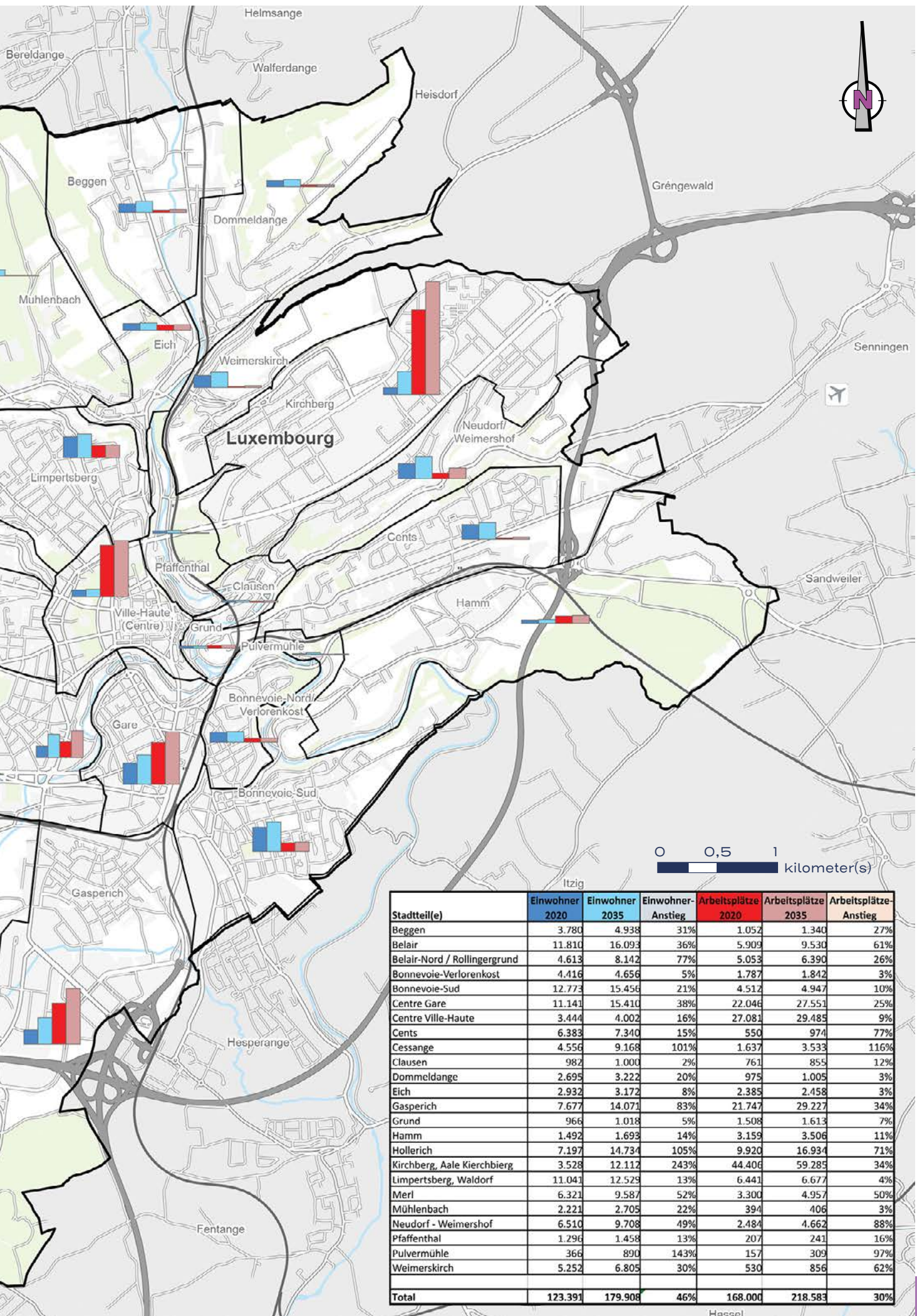
### Mapping basis and sources:

Own calculation based on CMT model data  
(as of Oct. 2021)

PCN 2018

GIS, Luxembourg City

Last updated: February 2024



Stadtteil(e)	Einwohner 2020	Einwohner 2035	Einwohner-Anstieg	Arbeitsplätze 2020	Arbeitsplätze 2035	Arbeitsplätze-Anstieg
Beggen	3.780	4.938	31%	1.052	1.340	27%
Belair	11.810	16.093	36%	5.909	9.530	61%
Belair-Nord / Rollingergrund	4.613	8.142	77%	5.053	6.390	26%
Bonnevoie-Verlorenkost	4.416	4.656	5%	1.787	1.842	3%
Bonnevoie-Sud	12.773	15.456	21%	4.512	4.947	10%
Centre Gare	11.141	15.410	38%	22.046	27.551	25%
Centre Ville-Haute	3.444	4.002	16%	27.081	29.485	9%
Cents	6.383	7.340	15%	550	974	77%
Cessange	4.556	9.168	101%	1.637	3.533	116%
Clausen	982	1.000	2%	761	855	12%
Dommeldange	2.695	3.222	20%	975	1.005	3%
Eich	2.932	3.172	8%	2.385	2.458	3%
Gasperich	7.677	14.071	83%	21.747	29.227	34%
Grund	966	1.018	5%	1.508	1.613	7%
Hamm	1.492	1.693	14%	3.159	3.506	11%
Hollerich	7.197	14.734	105%	9.920	16.934	71%
Kirchberg, Aale Kierchberg	3.528	12.112	243%	44.406	59.285	34%
Limpertsberg, Waldorf	11.041	12.529	13%	6.441	6.677	4%
Merl	6.321	9.587	52%	3.300	4.957	50%
Mühlenbach	2.221	2.705	22%	394	406	3%
Neudorf - Weimershof	6.510	9.708	49%	2.484	4.662	88%
Pfaffenthal	1.296	1.458	13%	207	241	16%
Pulvermühle	366	890	143%	157	309	97%
Weimerskirch	5.252	6.805	30%	530	856	62%
<b>Total</b>	<b>123.391</b>	<b>179.908</b>	<b>46%</b>	<b>168.000</b>	<b>218.583</b>	<b>30%</b>

### Figure 3

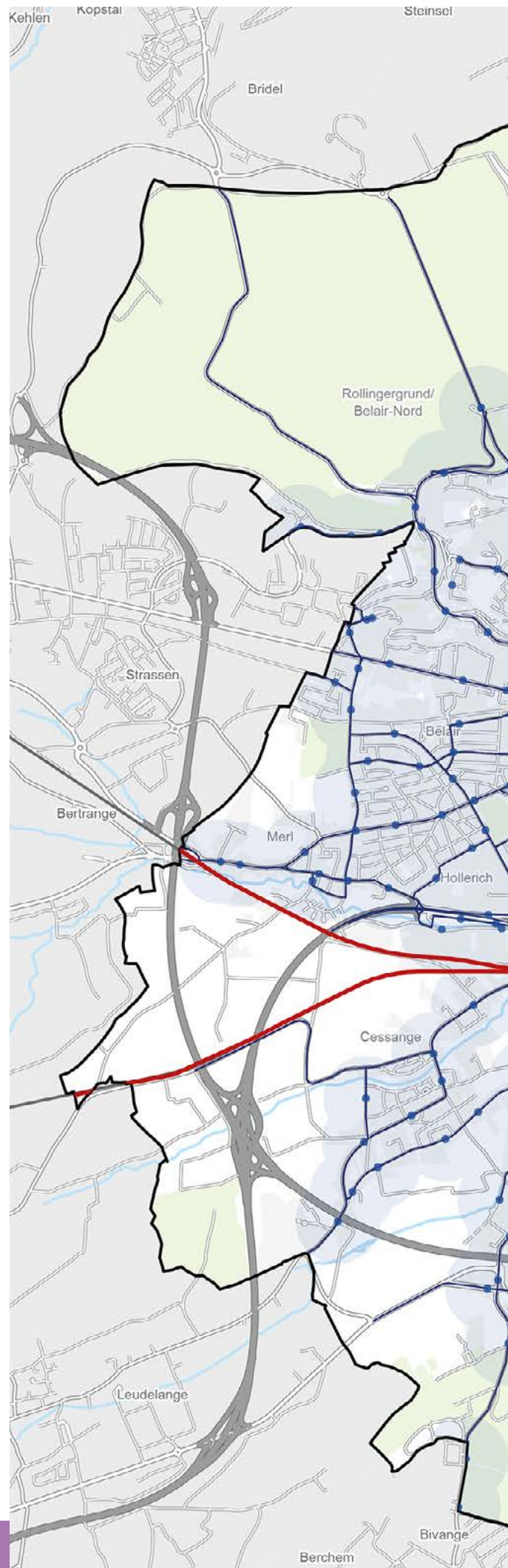
Access by public transport,  
accessibility of stations/stops

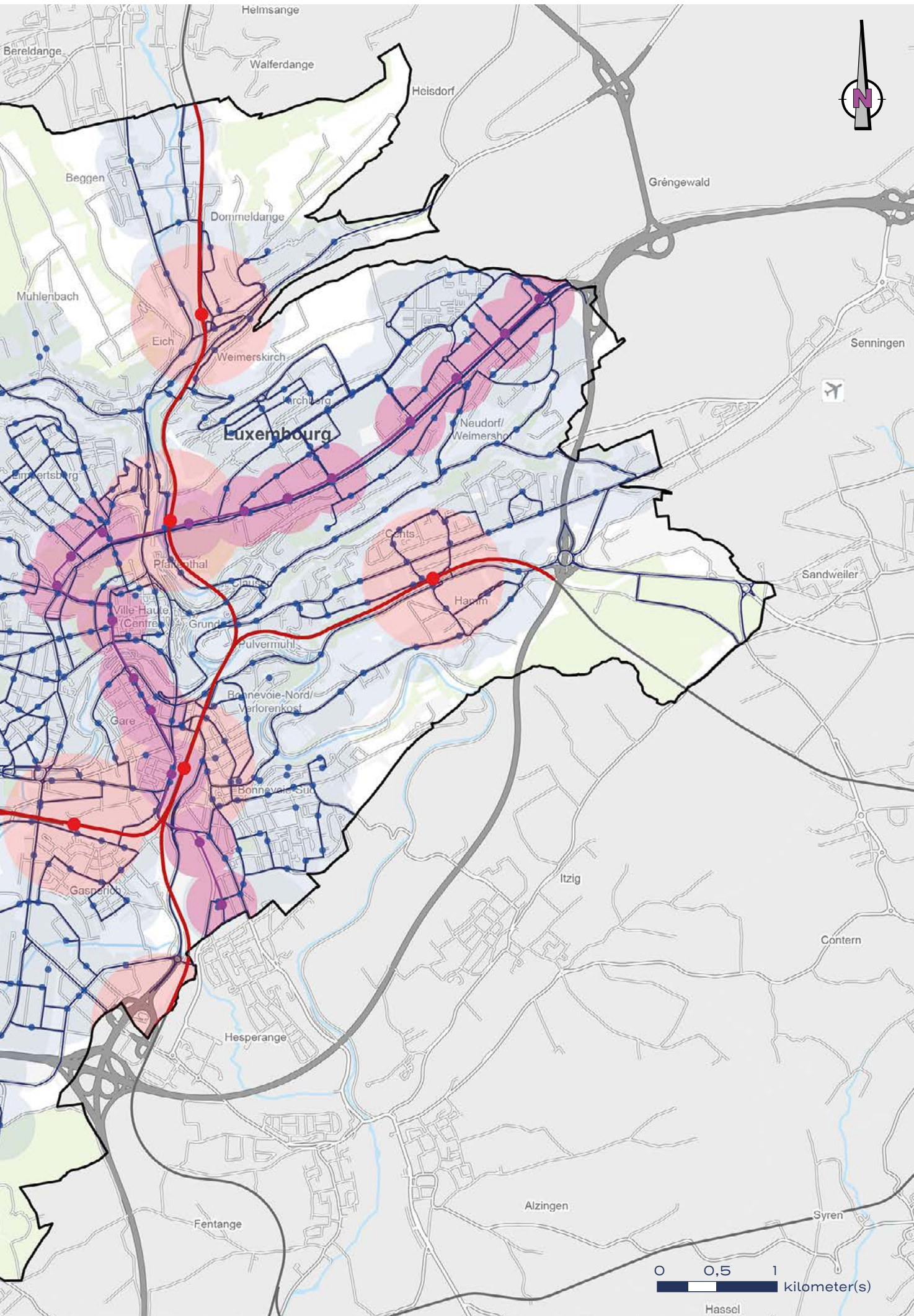
- Railway lines (CFL)
- Bus lines (AVL, RGTR)
- TRAM
  
- CFL with 600 m radius
- Buses with 300 m radius
- TRAM with 300 m radius
  
- CFL stop
- Bus stop
- TRAM stop

#### Mapping basis and sources:

GIS, Luxembourg City  
Visum traffic model, CMT  
Model data for time horizon 2020/data as at 2023

Last updated: February 2024





0 0,5 1 kilometer(s)

Hassel

## Figure 4

### Public transport accessibility analysis Royal Hamilius stop

- ≤ 10 min
- ≤ 15 min
- ≤ 20 min
- ≤ 25 min
- ≤ 30 min
- > 30 min

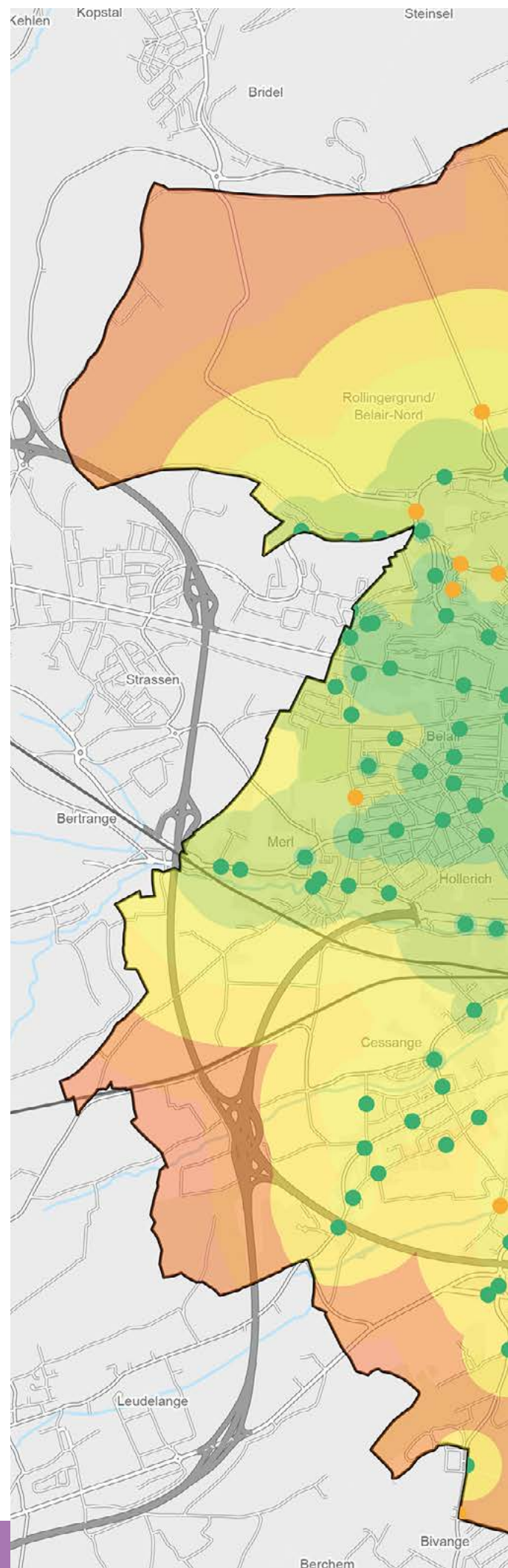
- 0 changes
- 1 change
- > 1 change

★ Starting point

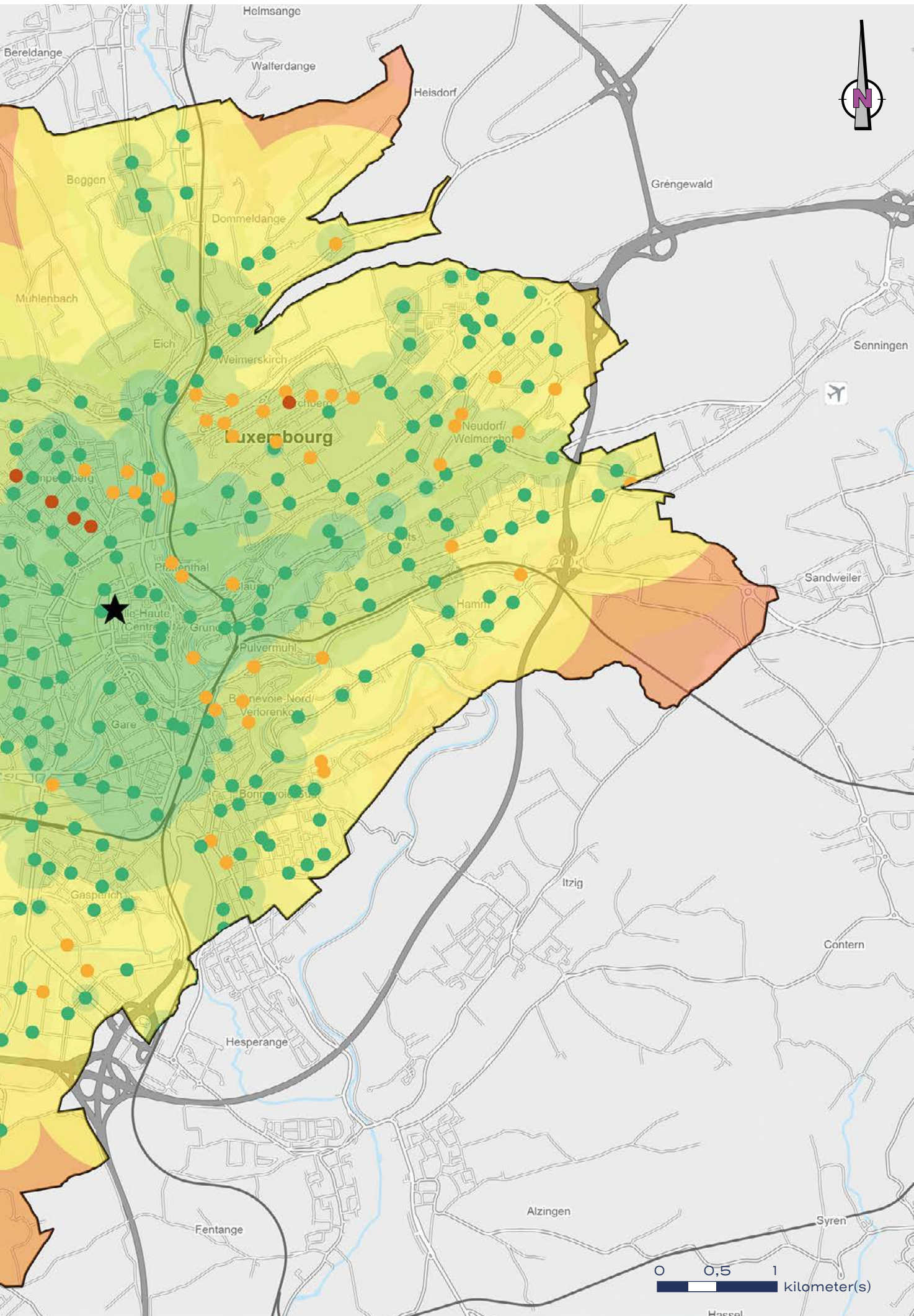
#### Mapping basis and sources:

GIS, Luxembourg City  
Visum traffic model, CMT  
Model data for time horizon 2020/data as at 2023

Last updated: February 2024














## Figure 5

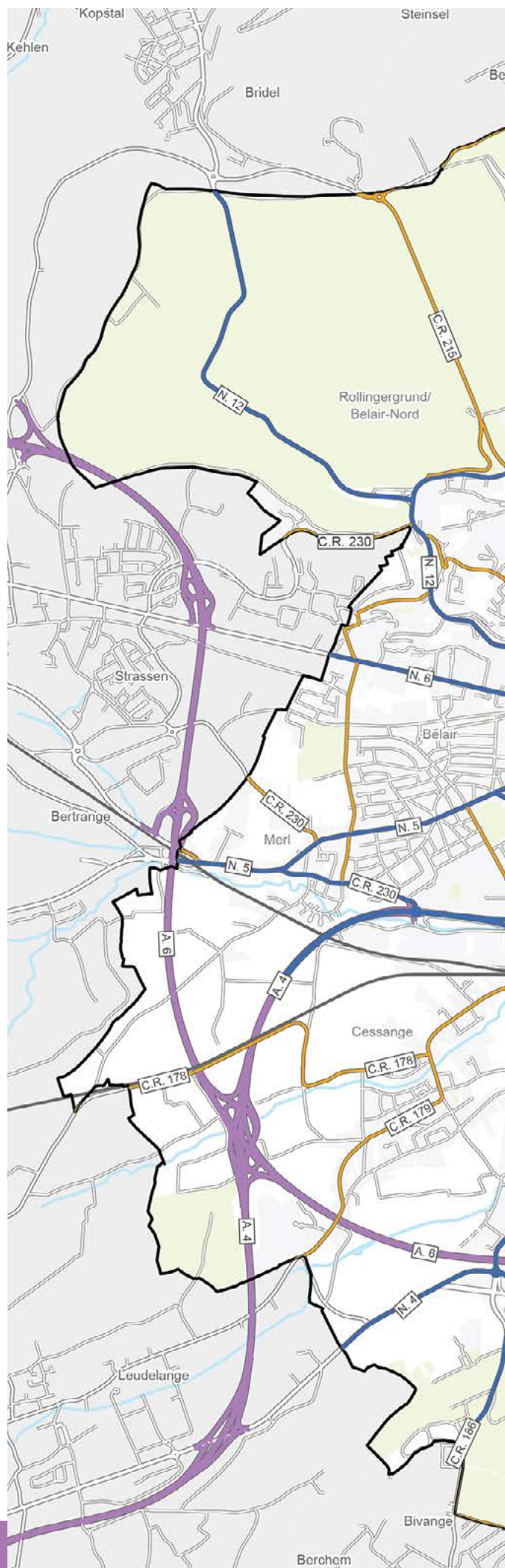
Classification/Categorisation  
of road network

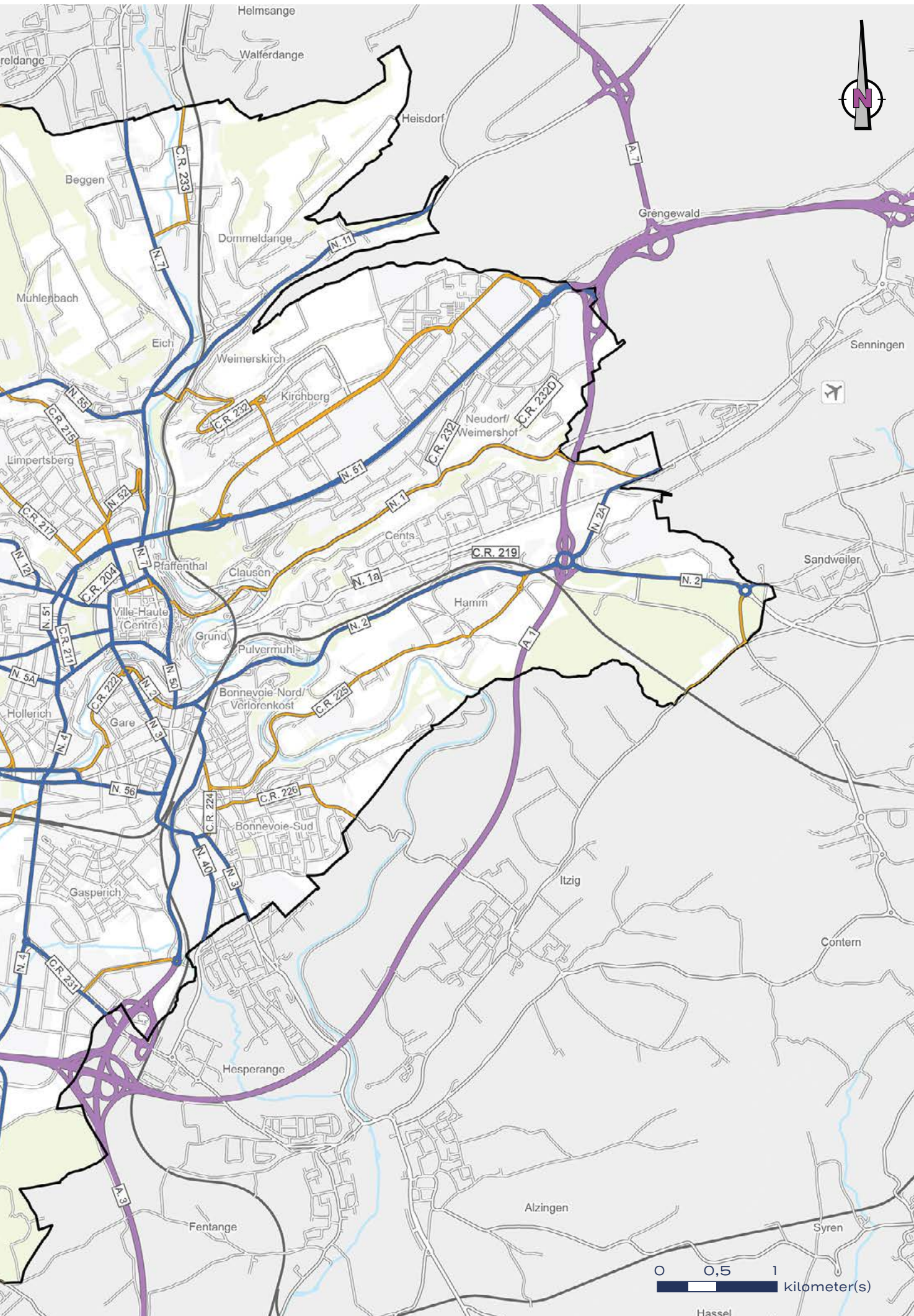
-  Autoroute
-  Route nationale
-  Chemin repris

-  Highway
-  Main roads with  
primary connecting function
-  Auxiliary main and connecting roads
-  Access road

Mapping basis and sources:  
GIS, Luxembourg City, As of 2023

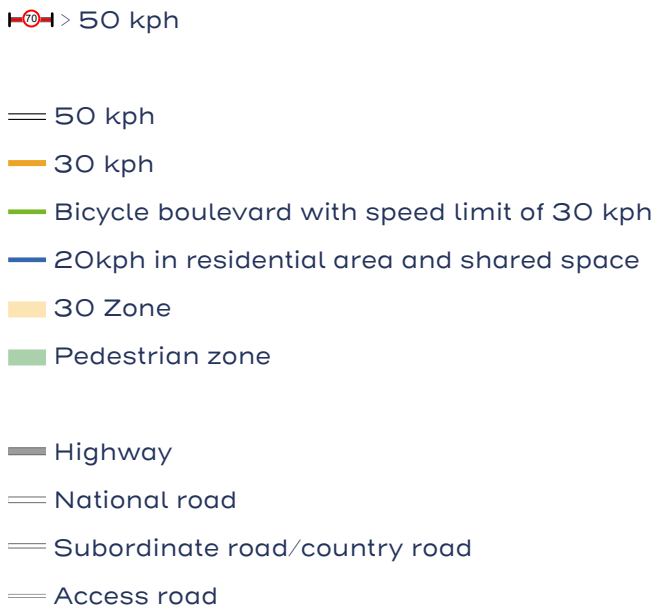
Last updated: February 2024





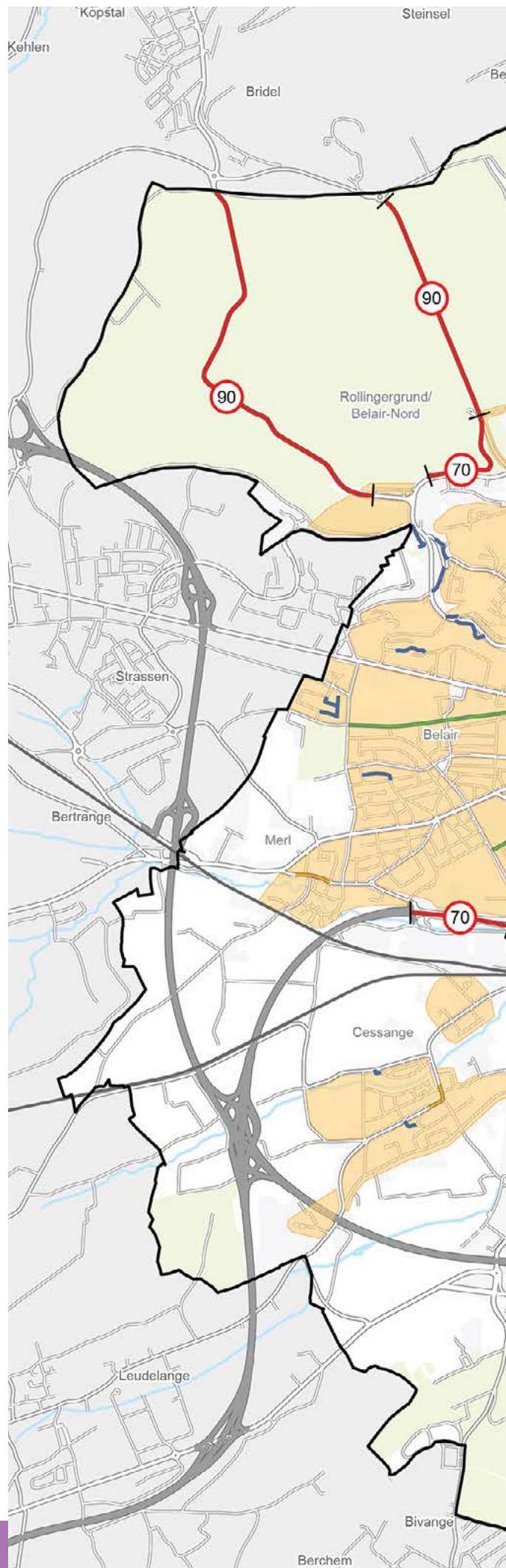
## Figure 6

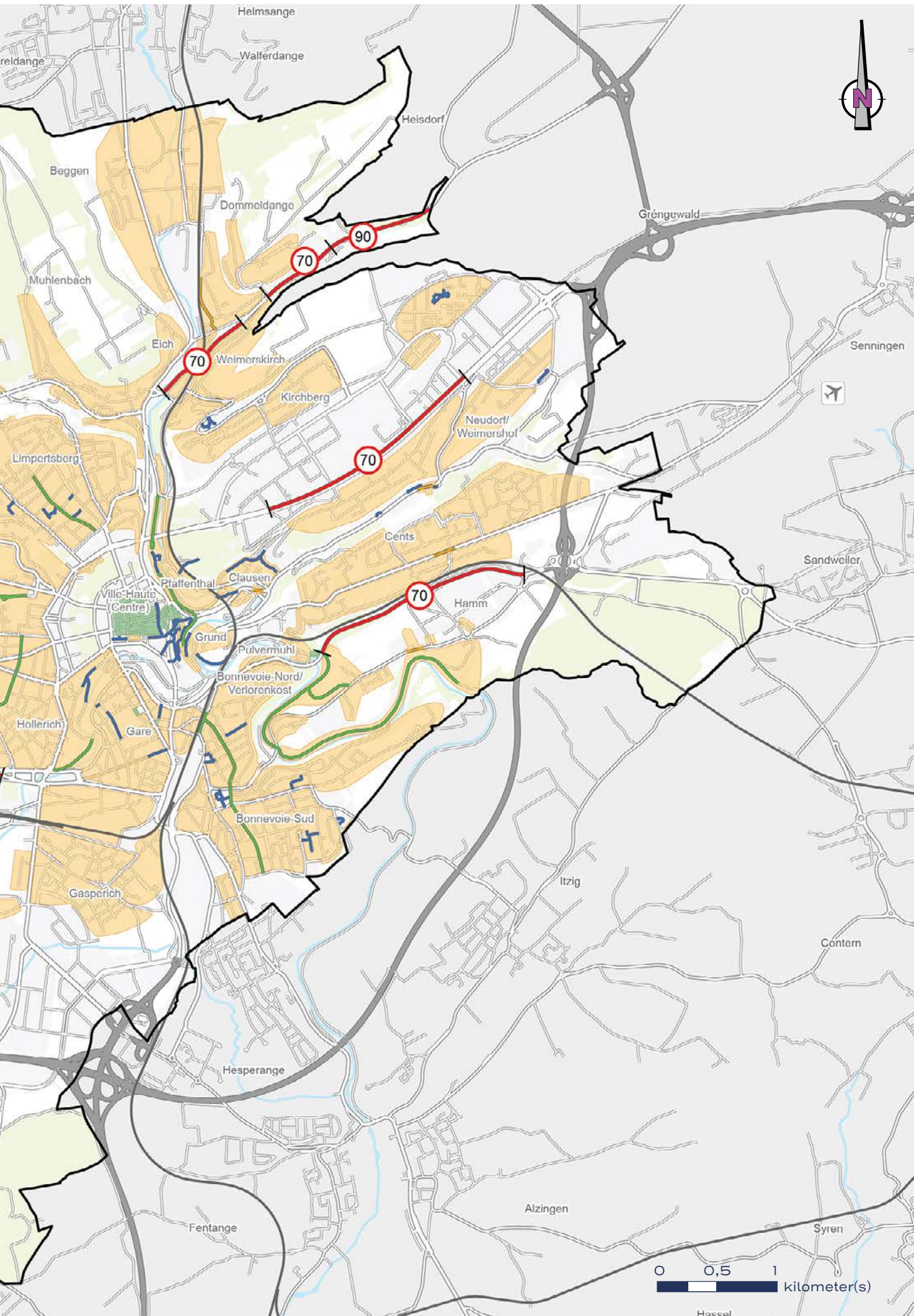
Speed limits and traffic calming



Mapping basis and sources:  
GIS, Luxembourg City, As of 2023

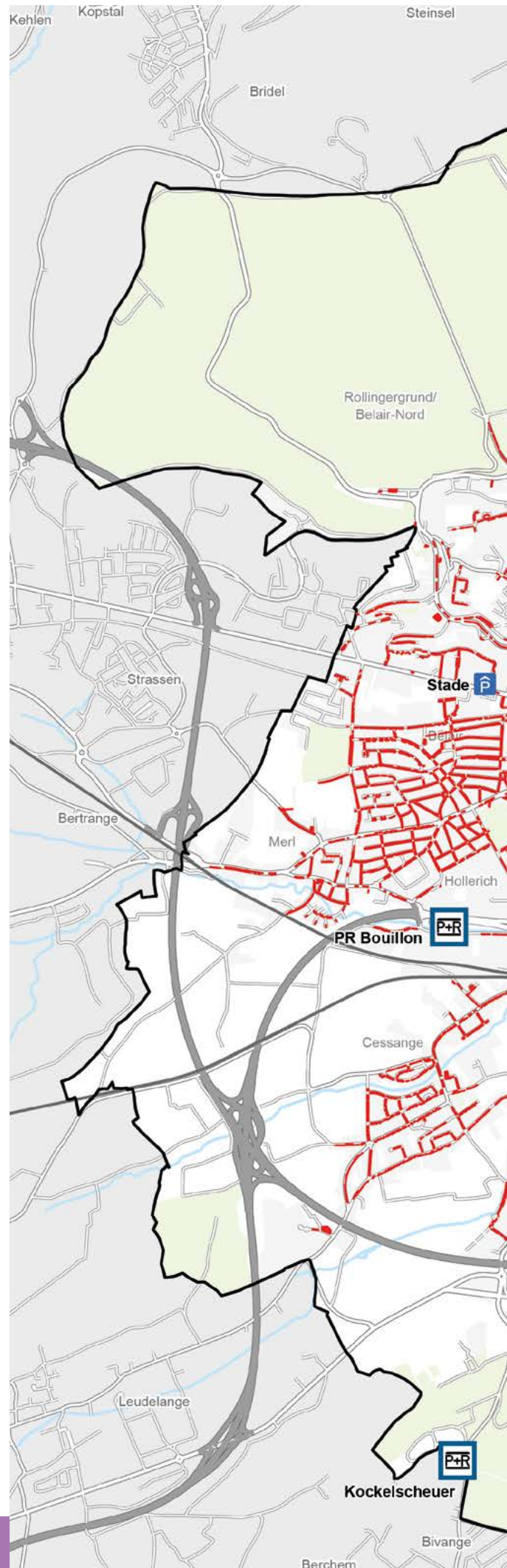
Last updated: February 2024





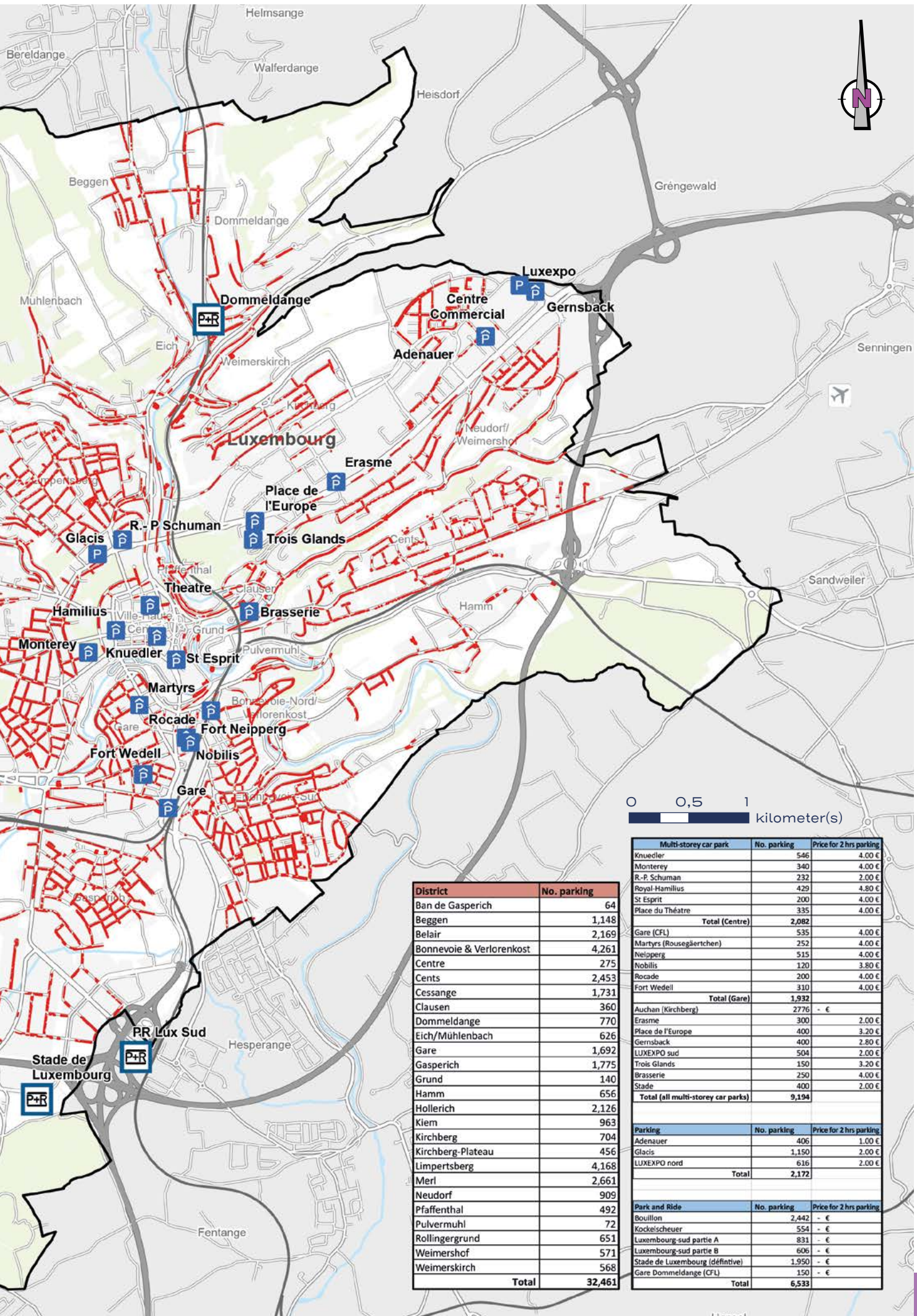
**Figure 7**  
Public parking facilities

-  Multi-storey car parks
-  Uncovered parking spaces
-  Park + Ride
-  On-street public parking



**Mapping basis and sources:**  
PCN 2018, Administration du cadastre et de la topographie  
Luxembourg City, As of 2021

Last updated: February 2024



District	No. parking
Ban de Gasperich	64
Beggen	1,148
Belair	2,169
Bonnevoie & Verlorenkost	4,261
Centre	275
Cents	2,453
Cessange	1,731
Clausen	360
Dommeldange	770
Eich/Mühlenbach	626
Gare	1,692
Gasperich	1,775
Grund	140
Hamm	656
Hollerich	2,126
Kiern	963
Kirchberg	704
Kirchberg-Plateau	456
Limpertsberg	4,168
Meri	2,661
Neudorf	909
Pfaffenthal	492
Pulvermuhl	72
Rollingergrund	651
Weimershof	571
Weimerskirch	568
<b>Total</b>	<b>32,461</b>

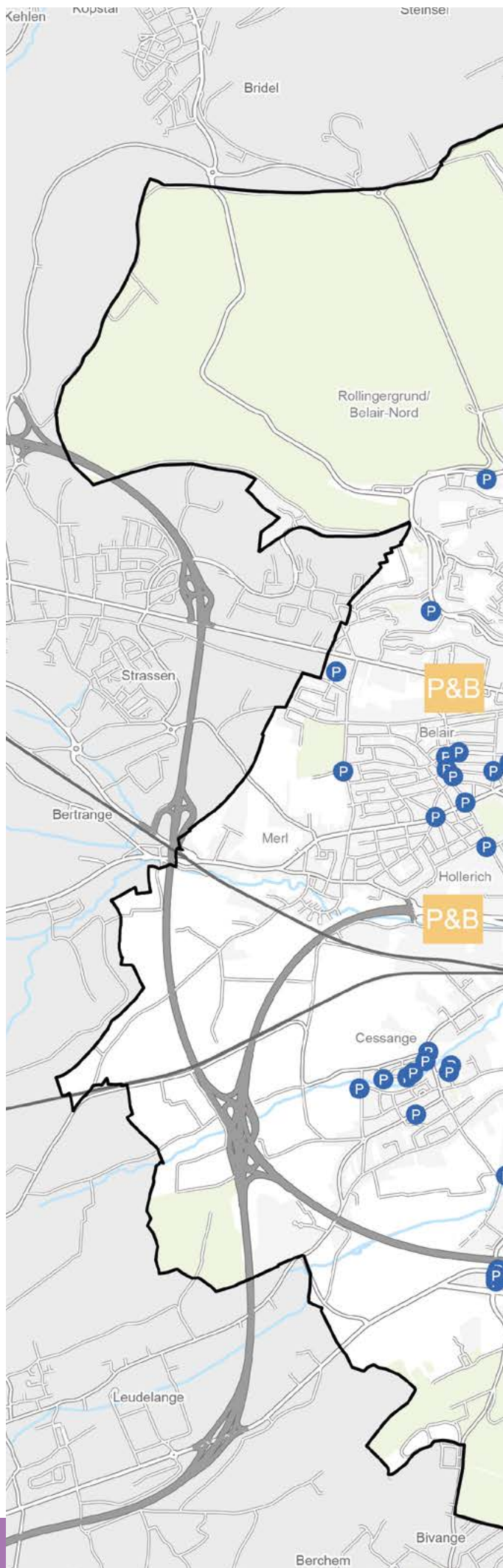
0 0,5 1 kilometer(s)

Multi-storey car park	No. parking	Price for 2 hrs parking
Knuedler	546	4.00 €
Monterey	340	4.00 €
R.-P. Schuman	232	2.00 €
Royal-Hamilius	429	4.80 €
St Esprit	200	4.00 €
Place du Théâtre	335	4.00 €
<b>Total (Centre)</b>	<b>2,082</b>	
Gare (CFL)	535	4.00 €
Martyrs (Rousegärtchen)	252	4.00 €
Neipperg	515	4.00 €
Nobilis	120	3.80 €
Rocade	200	4.00 €
Fort Wedell	310	4.00 €
<b>Total (Gare)</b>	<b>1,932</b>	
Auchan (Kirchberg)	2776	- €
Erasmus	300	2.00 €
Place de l'Europe	400	3.20 €
Gernsback	400	2.80 €
LUXEXPO sud	504	2.00 €
Trois Glands	150	3.20 €
Brasserie	250	4.00 €
Stade	400	2.00 €
<b>Total (all multi-storey car parks)</b>	<b>9,194</b>	
<b>Parking</b>	<b>No. parking</b>	<b>Price for 2 hrs parking</b>
Adenauer	406	1.00 €
Glacis	1,150	2.00 €
LUXEXPO nord	616	2.00 €
<b>Total</b>	<b>2,172</b>	
<b>Park and Ride</b>	<b>No. parking</b>	<b>Price for 2 hrs parking</b>
Bouillon	2,442	- €
Kockelscheuer	554	- €
Luxembourg-sud partie A	831	- €
Luxembourg-sud partie B	606	- €
Stade de Luxembourg (définitive)	1,950	- €
Gare Dommeldange (CFL)	150	- €
<b>Total</b>	<b>6,533</b>	

## Figure 8

Existing public bike storage

-  bikebox
-  P&B Park and Bike
-  Covered parking spaces for bikes
-  Parking spaces for bikes

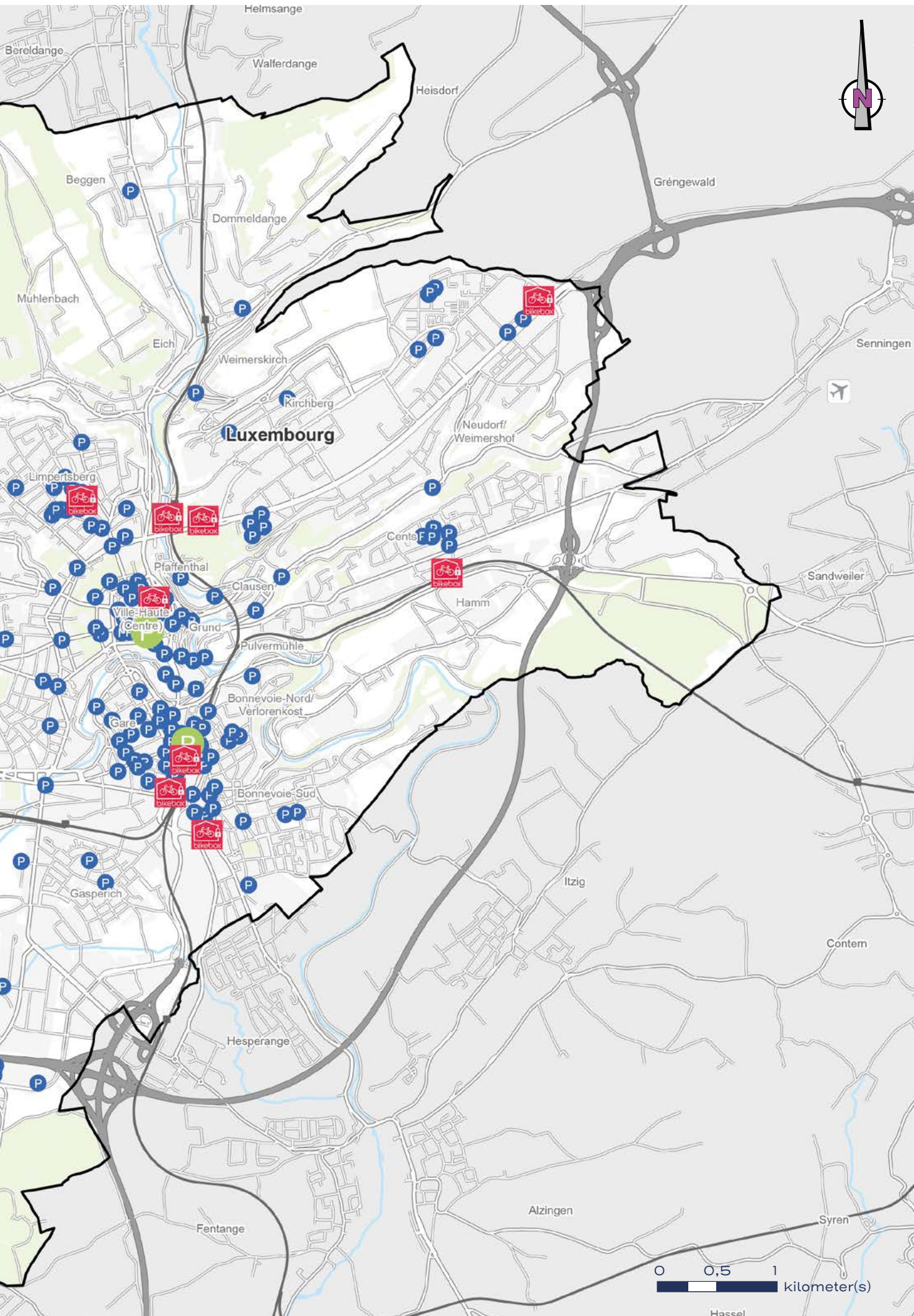


### Mapping basis and sources:

Database: PCN 2018, Administration du cadastre et de la topographie  
Luxembourg City, As of 2024

Last updated: February 2024





**Figure 9**  
E-bike accessibility analysis

★ Starting point

Reachable in:

- under 5 min
- 5-10 min
- 10-15 min
- 15-20 min

Bike Inclines and gradients in percent	Journey speed	
	Incline speed	Speed of descent
	(in kph)	(in kph)
< 2%	15	15
≥ 2%	7	30
≥ 4%	5	30
≥ 6%	4.4	30
≥ 8%	3.2	30
≥ 10%	3.1	30
> 12%	3	30

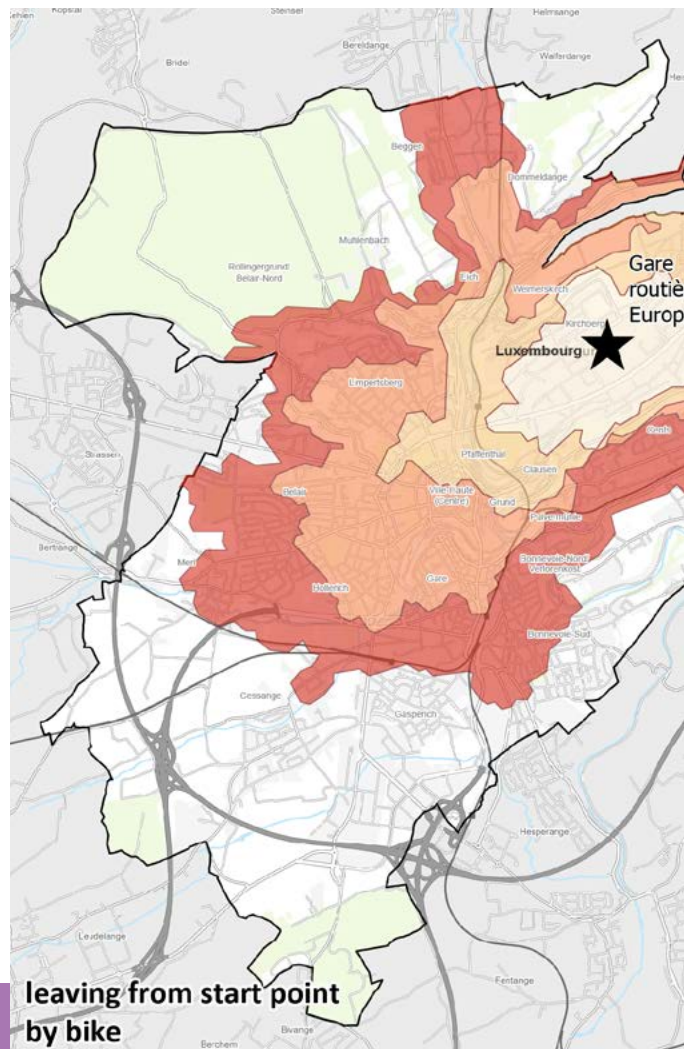
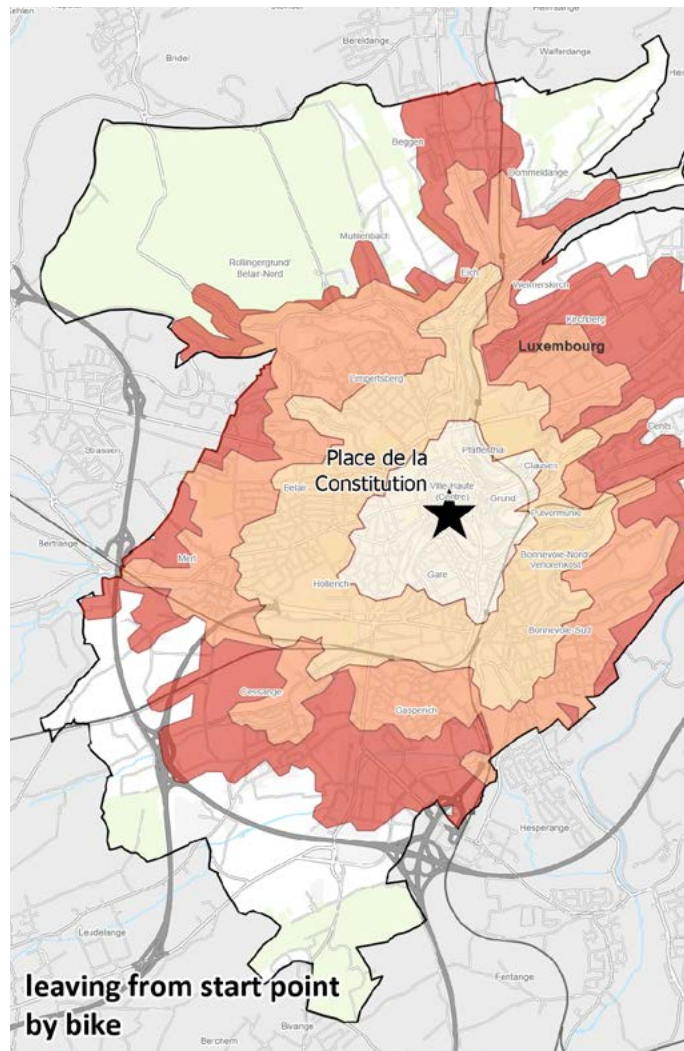
E-bike Inclines and gradients in percent	Journey speed	
	Incline speed	Speed of descent
	(in kph)	(in kph)
< 2%	20	20
≥ 2%	19	30
≥ 4%	18	30
≥ 6%	15	30
≥ 8%	12.5	30
≥ 10%	9	30
> 12%	8	30

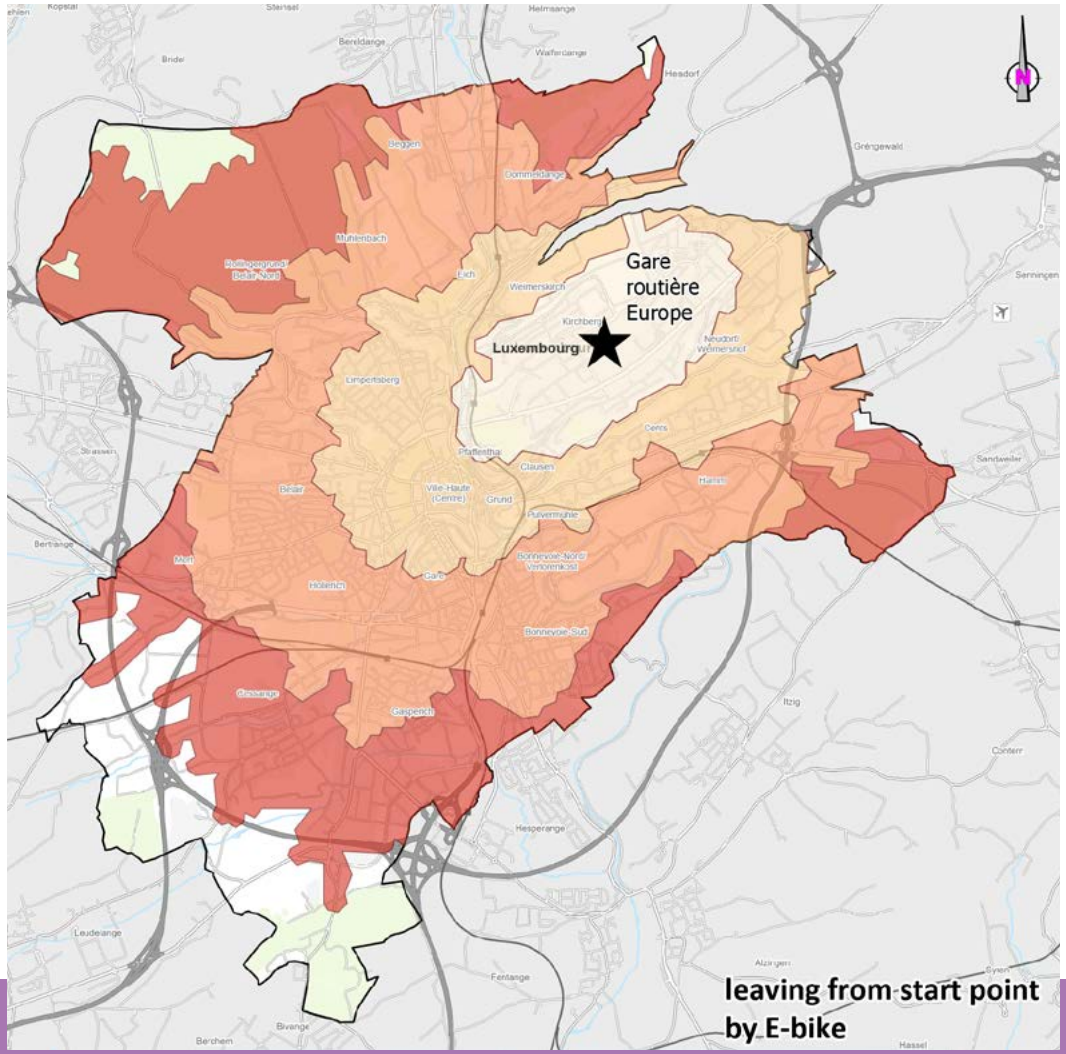
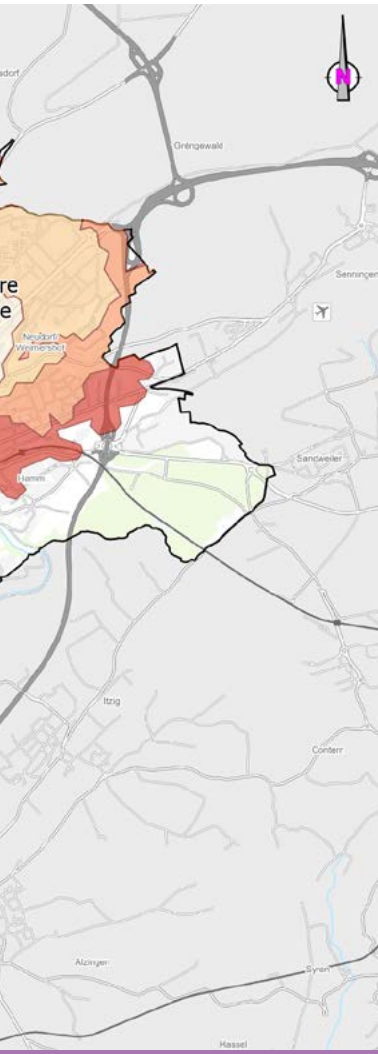
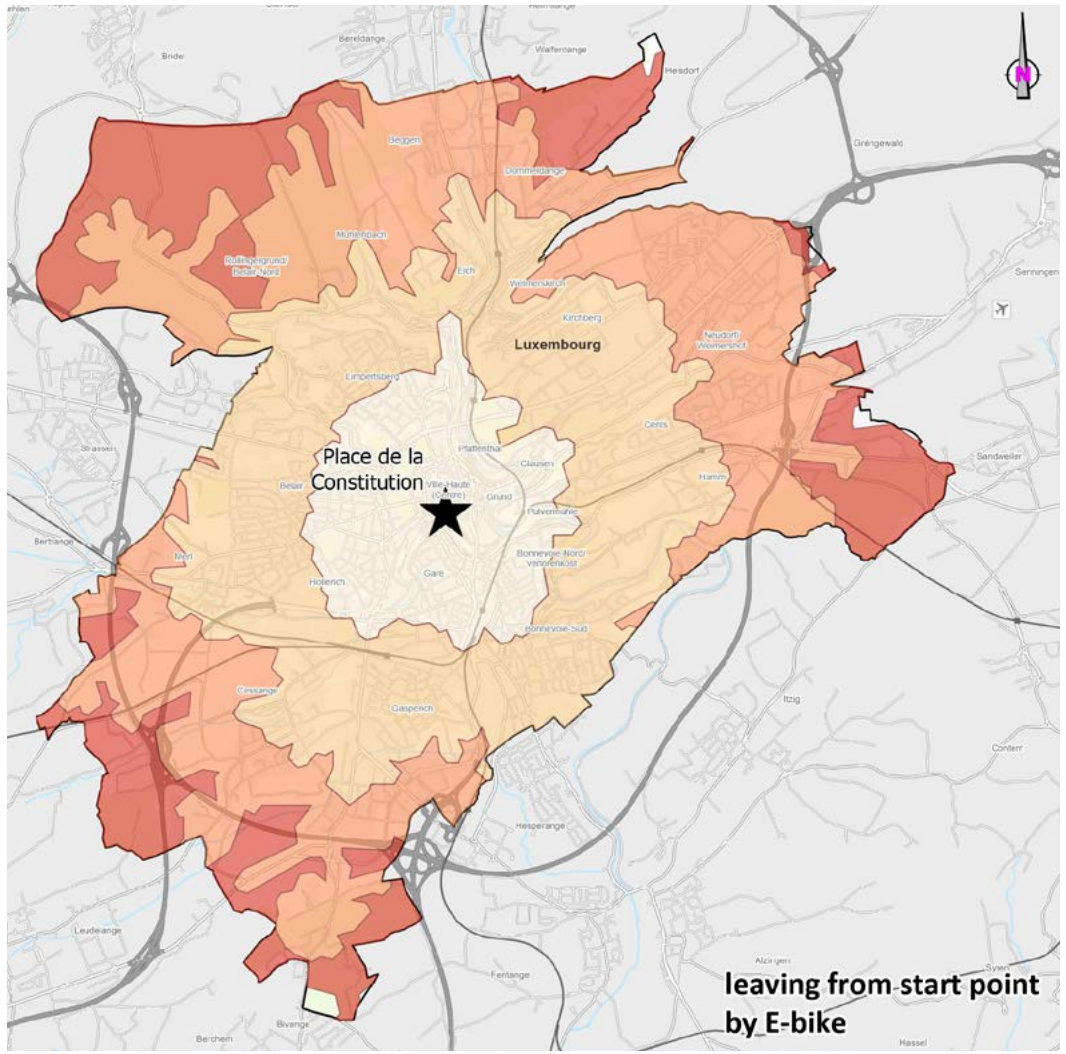
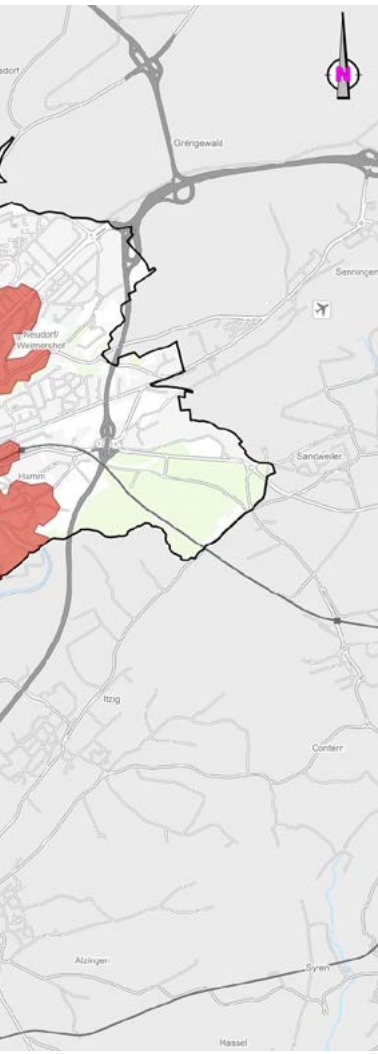
0 1 2  
kilometer(s)

Mapping basis and sources:

ACT  
BD-L-TC 2015  
PCN 2021

Last updated: February 2024





## Figure 10

### Barriers in the city – Evaluating crossing points

- National road sections with a distance of more than 150m to the next pedestrian crossing (distance between crossings > 300m)
- National road sections with a distance of less than 150m to the next pedestrian crossing (distance between crossings < 300m)

) ( Tunnel

- Railway bridges and underpasses for pedestrians

— Highway

Rail network:

— crossable

— not crossable

#### Mapping basis and sources:

Data basis: PCN 2018, Administration du cadastre et de la topographie

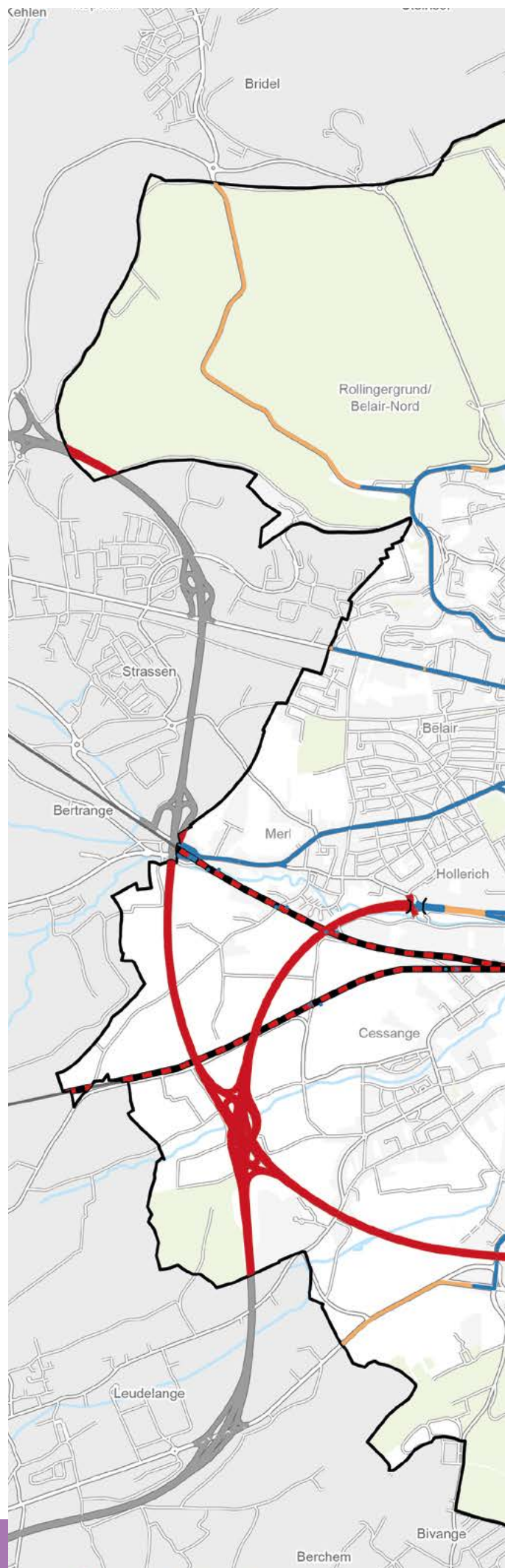
Luxembourg City, As of 2021

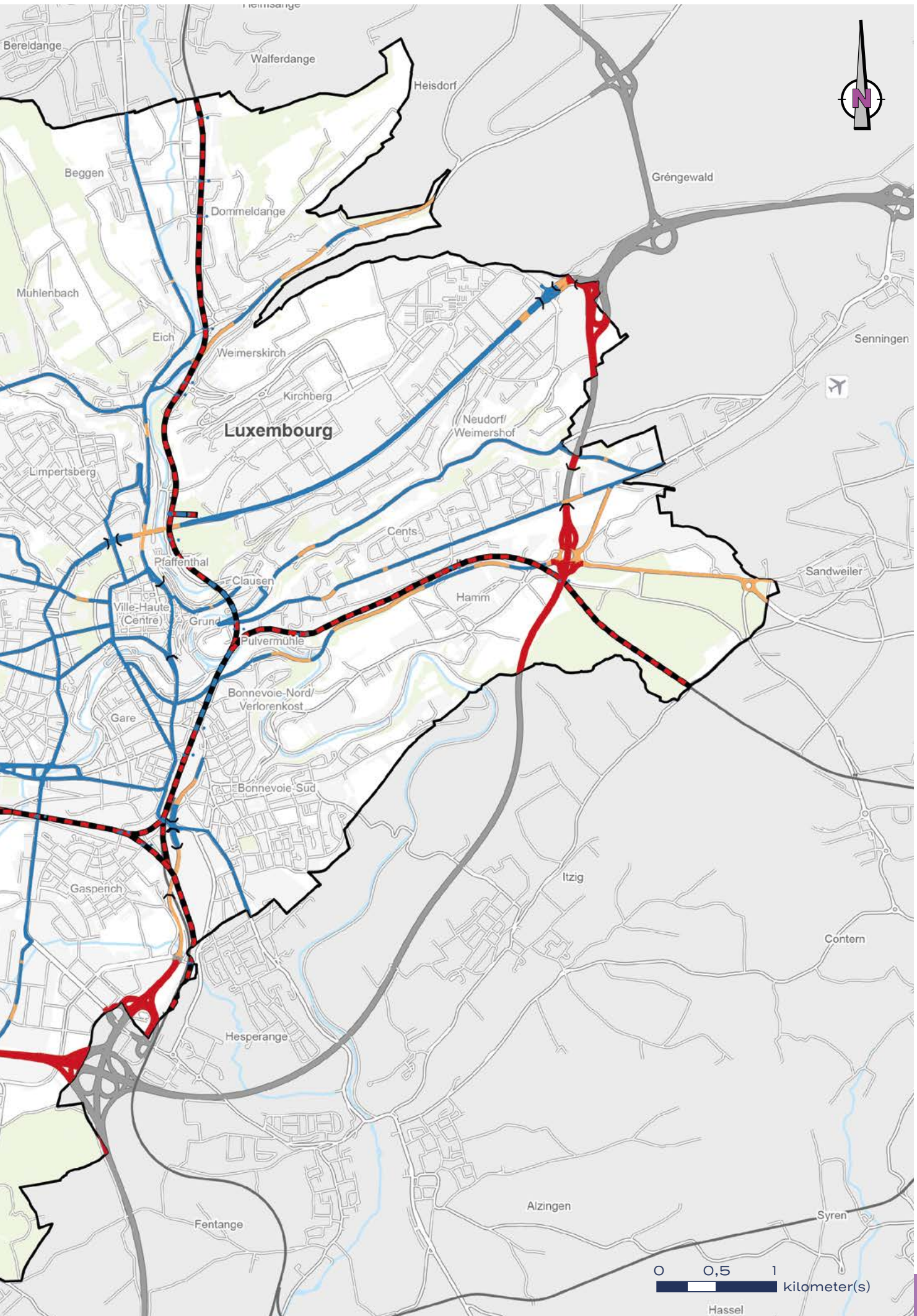
Audit über die Qualität der Fußgängerführung in der Stadt Luxemburg (Quality audit of pedestrian management in Luxembourg City) – 2015

Author: BSV BÜRO FÜR STADT- UND VERKEHRSPLANUNG

DR.-ING. REINHOLD BAIER GMBH













Last updated: February 2024





**Figure 11**

Mixed mode and multi-modal solutions/  
interchanges in the city

-  Train station
-  Park+Ride
-  Park+Bike
-  vel'OH stations  
(Bike-Sharing)
-  Car-sharing stations  
(Carloh, Flex etc.)
-  Chargy stations  
(Charging station for electric  
(passenger) vehicles)
-  Funiculaire Pfaffenthal-Kirchberg  
(Funicular)
-  Lift  
(Pfaffenthal and Grund)
  
-  Highway
-  National road
-  Subordinate road/country road
-  Access road

**Mapping basis and sources:**

GIS, Luxembourg City

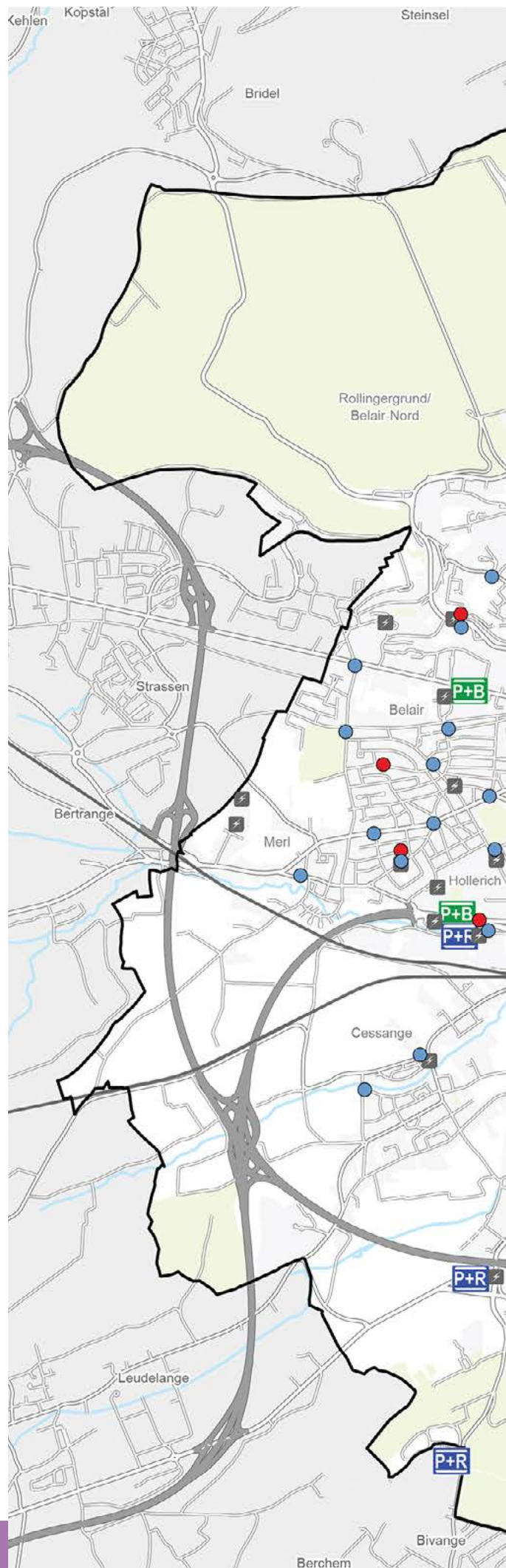
Mixed & multi-modal services: GIS, Luxembourg City

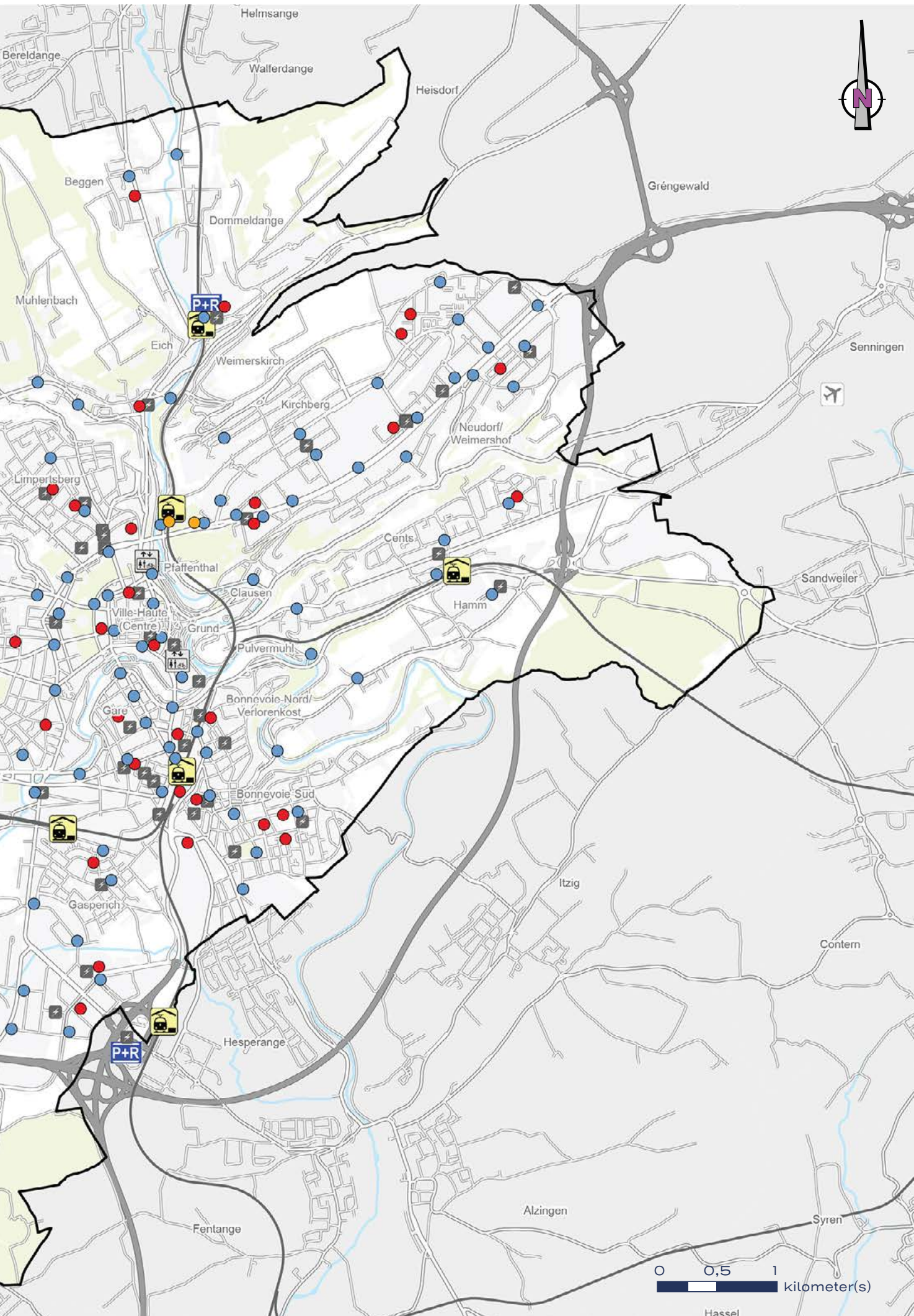
Car-sharing stations, excl. Carloh: <https://www.flex.lu>

Chargy stations: <https://data.public.lu/en/datasets/bornes-de-chargement-publiques-pour-voitures-electriques>, Charg, CCO 1.0

As of 2023




Last updated: February 2024





## Figure 12

Concept for public transport network,  
Network target 2035

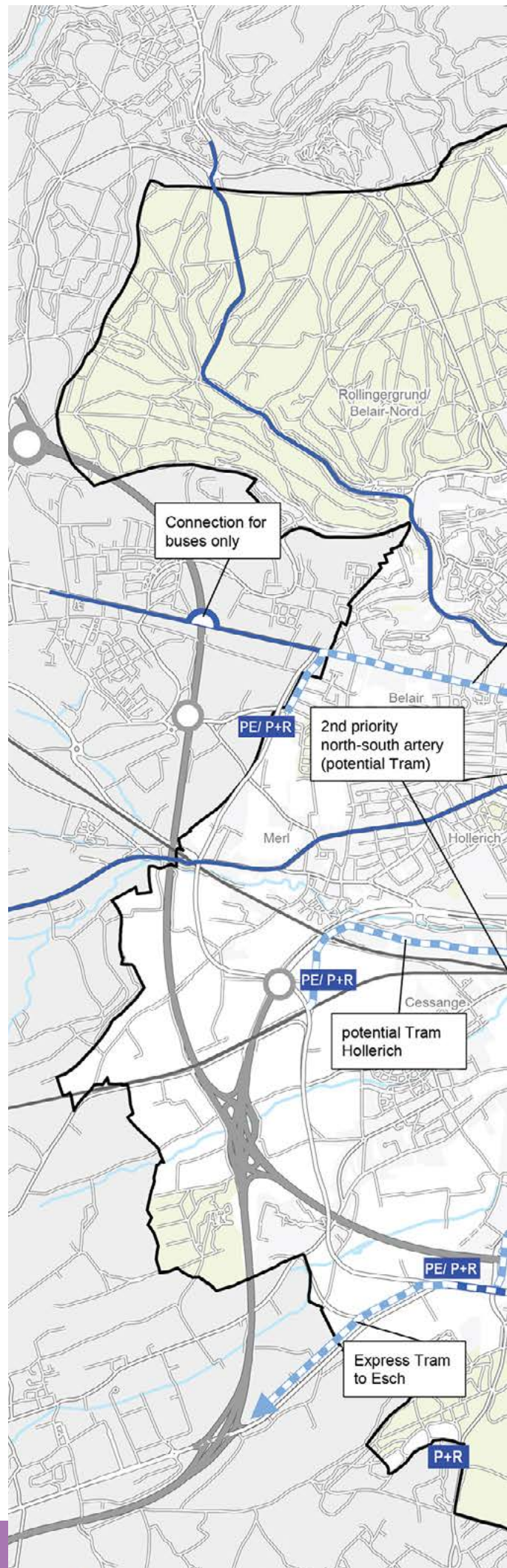
-  Basic network TRAM (existing and under construction)
-  Supplementary public transport high-capacity corridors with potential TRAM
-  Important bus axes

Existing/planned

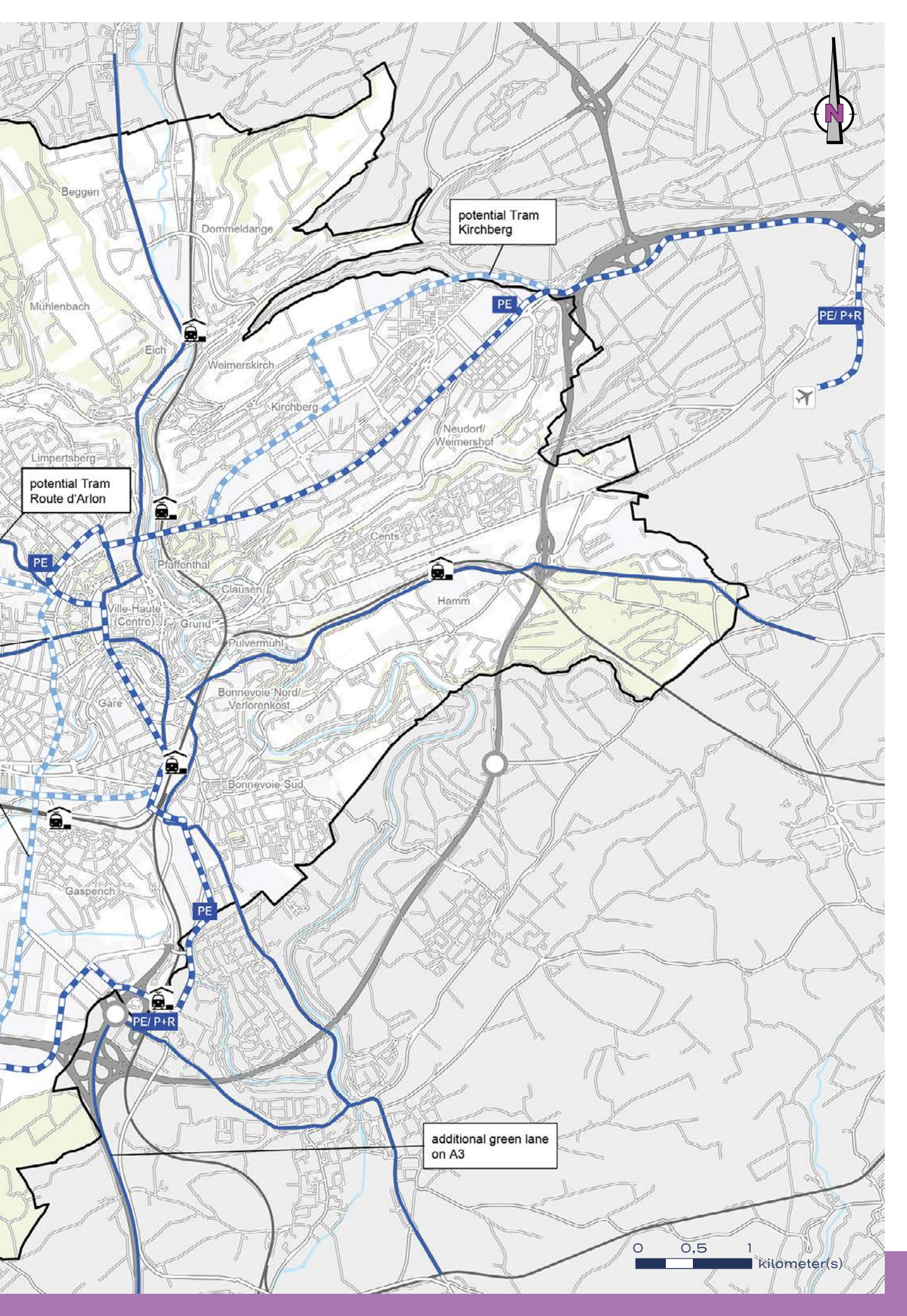
-  Train station
-  Park+Ride
-  Interchange
-  Interchange/Park+Ride

Mapping basis and sources:  
GIS, Luxembourg City, As of 2023

Last updated: February 2024







potential Tram  
Kirchberg

potential Tram  
Route d'Arlon

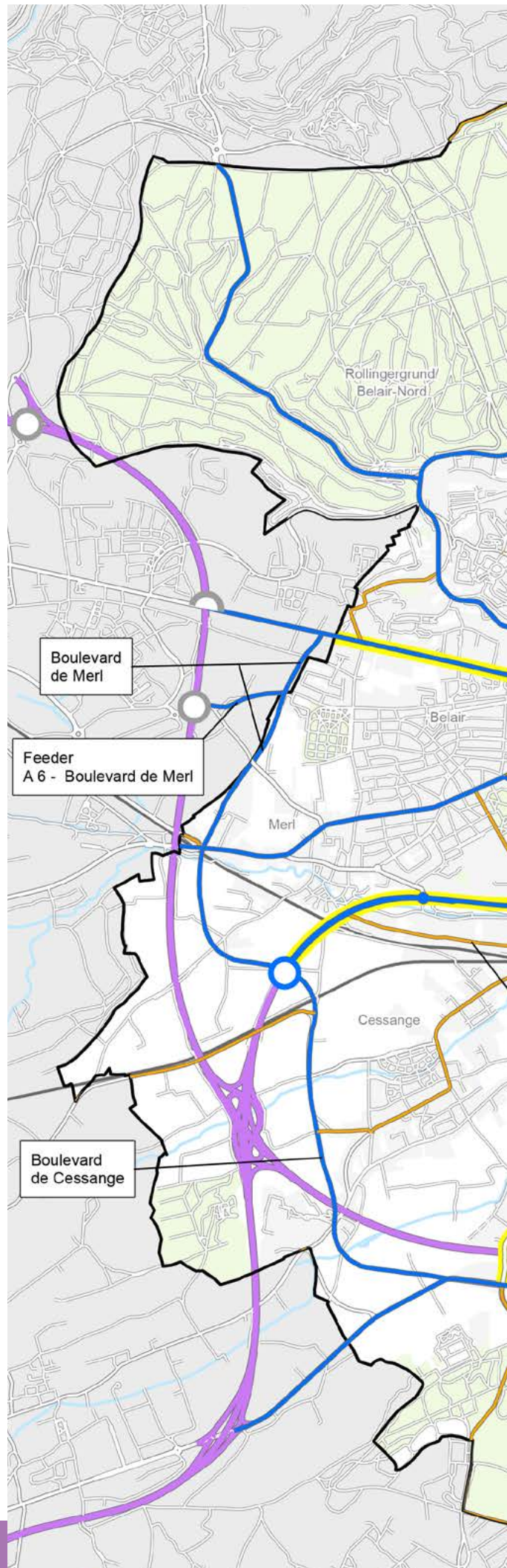
additional green lane  
on A3

0 0,5 1  
kilometer(s)

### Figure 13

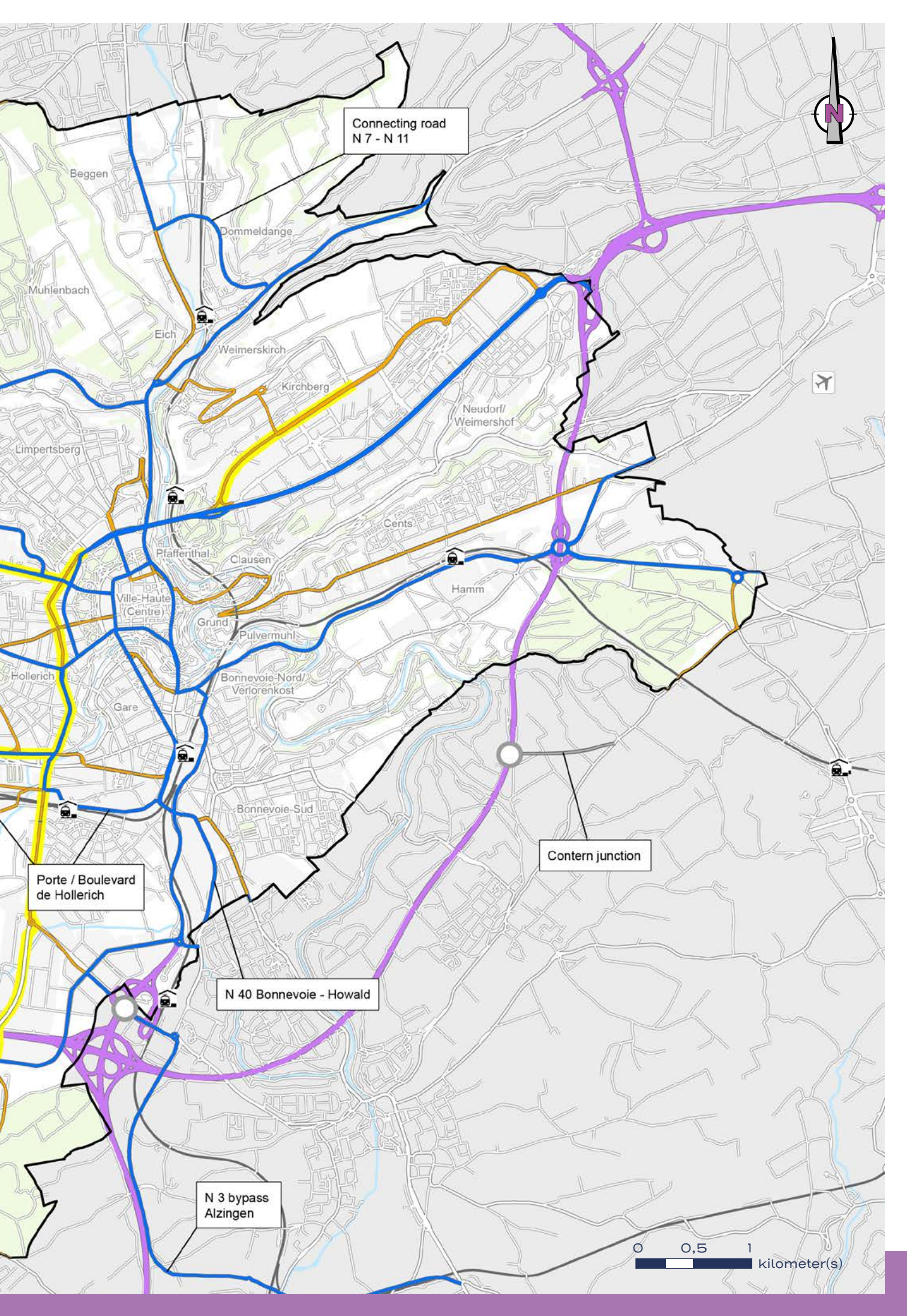
Concept for categorising road network 2035

- Highway
- Main roads with primary connecting function (Route principale)
- Auxiliary main and connecting roads (Rue collectrice)
- Access road (Route de desserte)
- Arteries with special design requirements
- Other expansions to network outside of city
- Railway



Mapping basis and sources:  
GIS, Luxembourg City, As of 2023

Last updated: February 2024



Connecting road  
N 7 - N 11

Porte / Boulevard  
de Hollerich

N 40 Bonnevoie - Howald

N 3 bypass  
Alzingen

Contern junction

0 0,5 1  
kilometer(s)

## Figure 14

### Cycling concept – Network target 2035

#### Existing infrastructure:

- Elevator
- 🚆 Train station
- 🌉 Bridge
- Main axes
- Secondary axes
- 🚊 Railroad

#### Infrastructure already planned:

- Elevator
- 🌉 Bridge
- Véloexpressweeër (Bicycle express ways, according to PNM 2035)
- Main axes
- Secondary axes

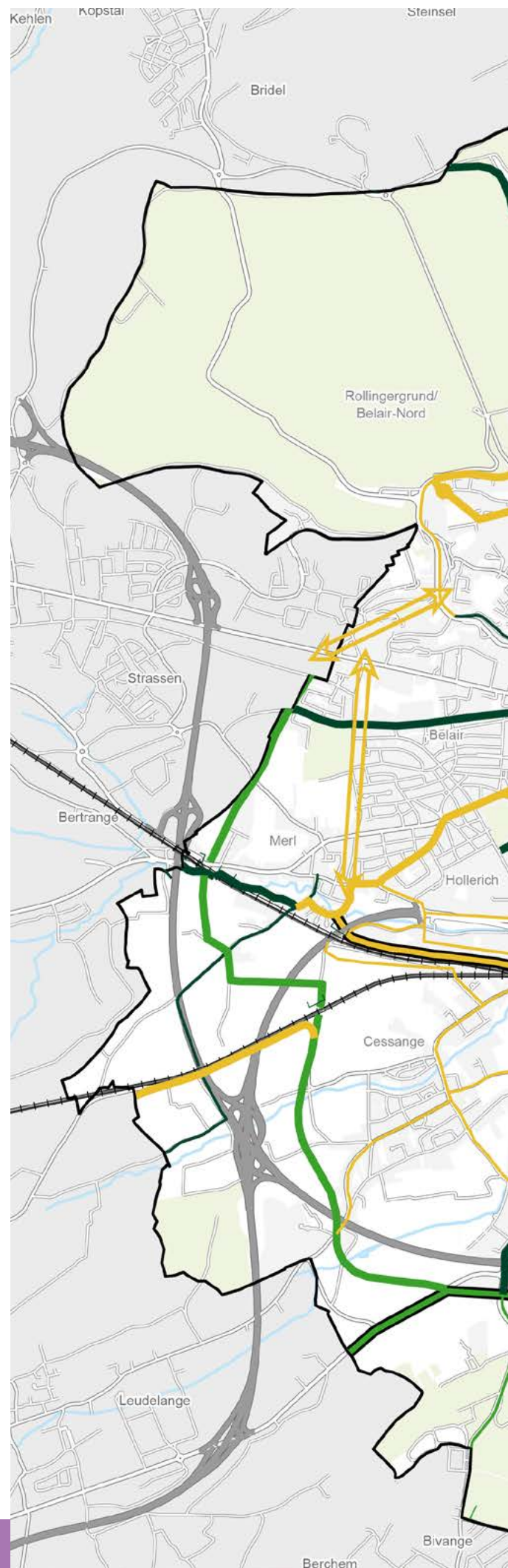
#### Infrastructure to be planned:

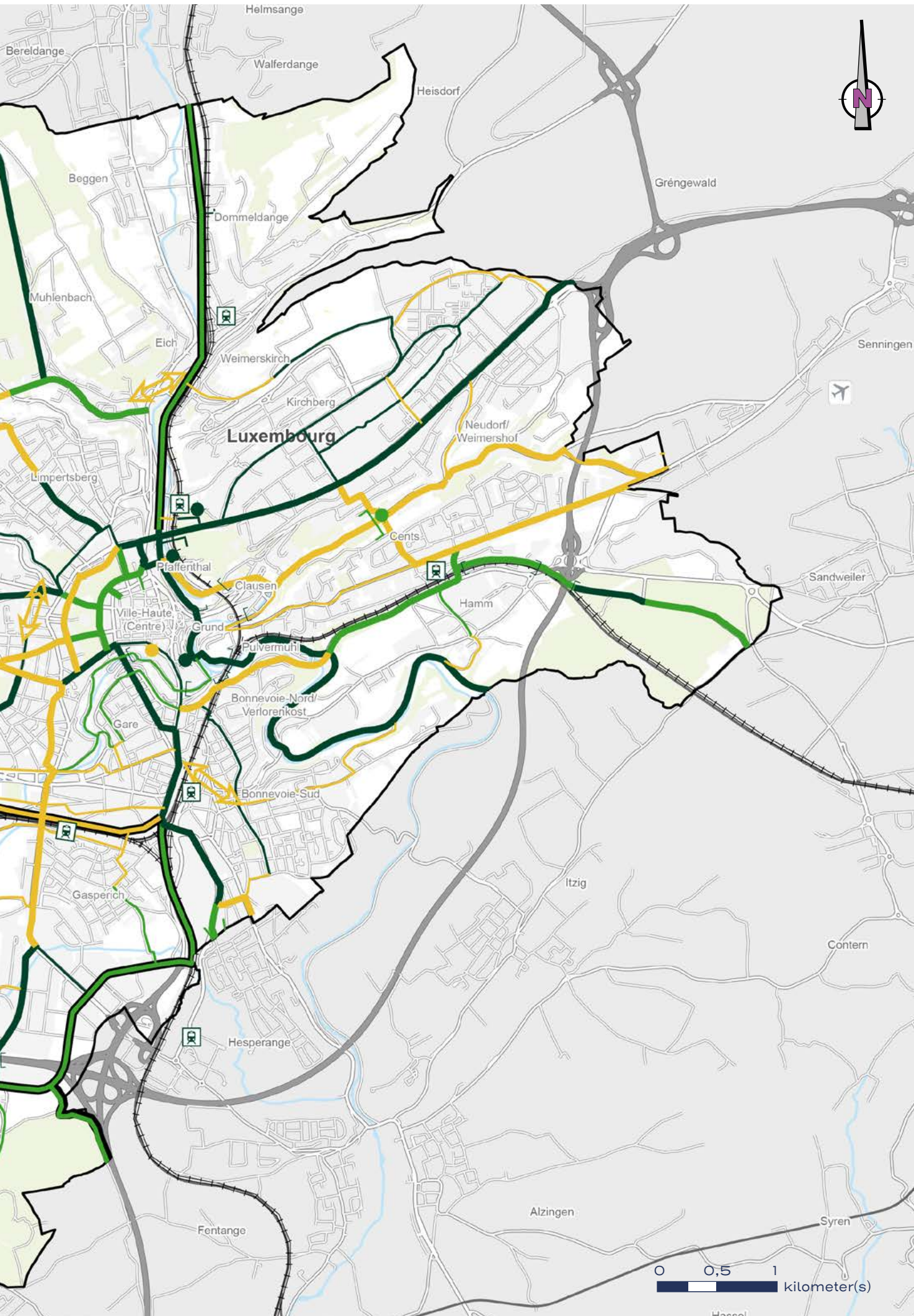
- Elevator
- Véloexpressweeër (Bicycle express ways)
- Main axes
- Secondary axes
- ↔ Corridor for cross-connections  
Deviations from the route proposals possible during detailed planning

#### Mapping basis and sources:

Data basis: PCN 2018  
Administration du cadastre et de la topographie  
Luxembourg City, version 4/2022












Last updated: February 2024





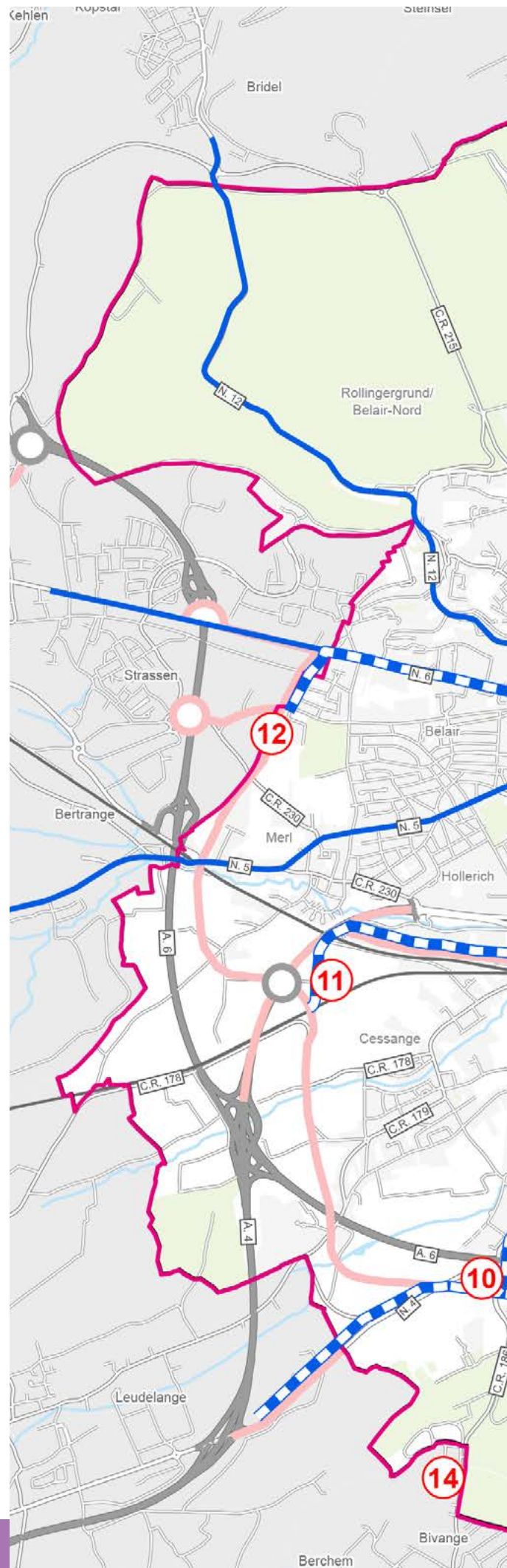
## Figure 15

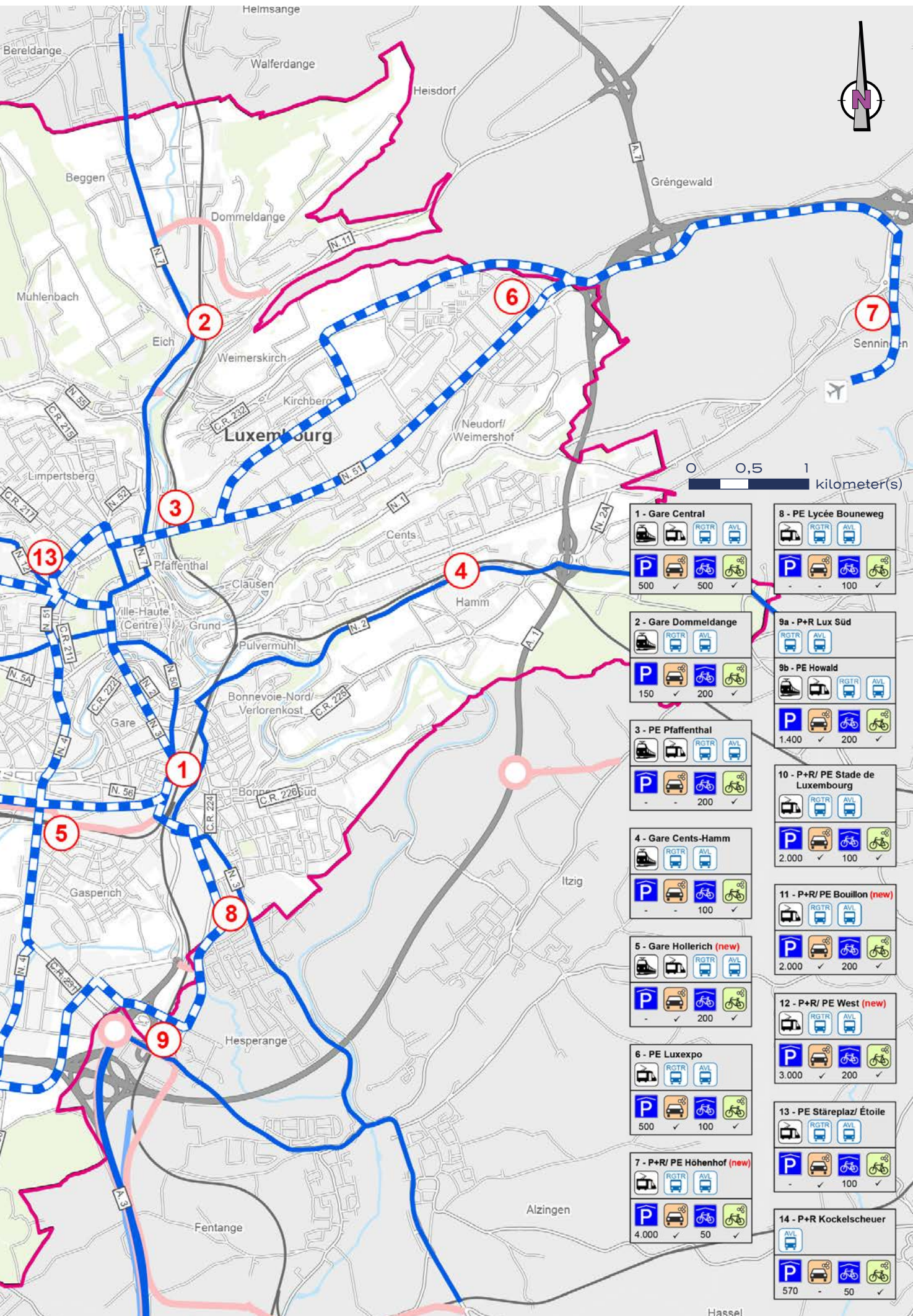
Interchange concept/P+R 2035

-  Railroad
-  Tramway
-  Bus RGTR
-  Bus AVL
-  Number of parking spaces
-  Number of Carsharings
-  Number of bicycle garages
-  Bike-Sharing
  
-  Tram
-  important bus axis
-  Measures in the road network

Mapping basis and sources:  
GIS, Luxembourg City, As of 2023

Last updated: February 2024





Location	Train	RGTR	AVL	Parking	Car	Bike	E-bike
<b>1 - Gare Central</b>	✓	✓	✓	500	✓	500	✓
<b>2 - Gare Dommeldange</b>	✓	✓	✓	150	✓	200	✓
<b>3 - PE Pfaffenthal</b>	✓	✓	✓	-	-	200	✓
<b>4 - Gare Cents-Hamm</b>	✓	✓	✓	-	-	100	✓
<b>5 - Gare Hollerich (new)</b>	✓	✓	✓	-	✓	200	✓
<b>6 - PE Luxexpo</b>	✓	✓	✓	500	✓	100	✓
<b>7 - P+R/ PE Höhenhof (new)</b>	✓	✓	✓	4.000	✓	50	✓
<b>8 - PE Lycée Bouneweg</b>	✓	✓	✓	-	-	100	✓
<b>9a - P+R Lux Süd</b>	✓	✓	✓	-	-	-	✓
<b>9b - PE Howald</b>	✓	✓	✓	1.400	✓	200	✓
<b>10 - P+R/ PE Stade de Luxembourg</b>	✓	✓	✓	2.000	✓	100	✓
<b>11 - P+R/ PE Bouillon (new)</b>	✓	✓	✓	2.000	✓	200	✓
<b>12 - P+R/ PE West (new)</b>	✓	✓	✓	3.000	✓	200	✓
<b>13 - PE Stäreplaz/ Étoile</b>	✓	✓	✓	-	✓	100	✓
<b>14 - P+R Kockelscheuer</b>	✓	✓	✓	570	-	50	✓

