

## **ADDITIONAL INFO**

### **Sampling site description**

This document includes additional info on the sampling sites; it includes a form (one page) for each site following a unified format. It is structured per city and includes three parts:

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PART 3: DESCRIPTION FORMS OF THE SAMPLING SITES IN ZAGREB p 64- 80

## ANNEX I DESCRIPTION FORMS OF THE SAMPLING SITES IN ANTWERP

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\*Locations ANT\_URB\_ANDR, ANT\_URB\_BRED, ANT\_URB\_KIPP, ANT\_URB\_LANG, and URB\_ANT\_MAER are characterized by 'medium' traffic (between 40-400 veh/h at adjescent road at 10 m or less)

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Table 1: ANT\_REF\_AL01

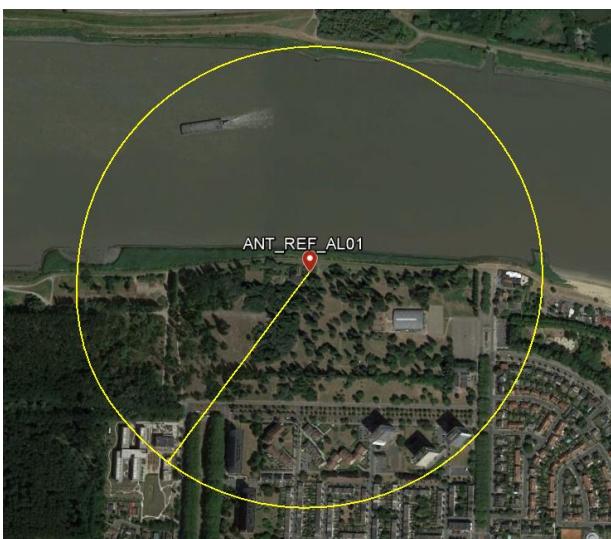
Site ID	ANT_REF_AL01
Address	Antwerpen - Linkeroever
Geographical coordinates	Lon: 51.23633 Lat: 4.38114 Alt: 10 m
Sensor system ID	4065DA
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Industrial
Distance to street	285 (Esmoreitlaan); 370 (Gloriantlaan)
Traffic speed	/
Traffic volume (if available)	10 veh/h at Esmoreitlaan
Distance to major junction	470 (Gloriantlaan and Esmoreitlaan)
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	/
Sampling point location height above ground	2
Sampling point location horizontal distance from nearest building	11
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	remote site far from traffic, green area close to river Scheld (edge at 100 m) with shipping activity harbour activities at 500 m, extending over huge area further away
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input checked="" type="checkbox"/> other: <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Rooftop <input type="checkbox"/> Side <input checked="" type="checkbox"/> other: pole at 3 m from the station
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 2: ANT\_REF\_M802

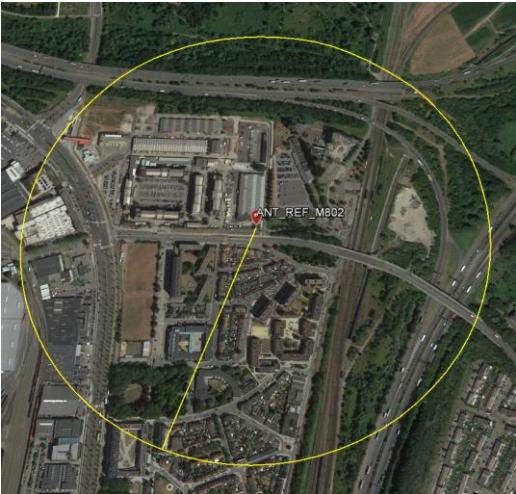
Site ID	ANT_REF_M802
Address	Antwerpen - Luchtbal
Geographical coordinates	Lon: 51.26097 Lat: 4.42442 Alt: 10 m
Sensor system ID	4065EA
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Industrial
Distance to street	11 (Vancouverstraat, Singaporestraat: no traffic data) ; 25 (Havanastraat)
Traffic speed	/
Traffic volume (if available)	- (Vancouverstraat); 375 veh/h (Havanastraat)
Distance to major junction	85 (Havanastraat, Seattlestraat)
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	15
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	location near highways (350 m), highway junction (800 m), and busy streets (Noorderlaan, Havanastraat) near harbour, nearest terminal at 650 m
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O <sub>3</sub> <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other : at the rail on roof top of the AQ monitoring station
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 3: ANT\_REF\_R801

Site ID	ANT_REF_R801
Adress	Plantijn en Moretuslei 285
Geographical coordinates	Lon: 51.20961 Lat: 4.43178 Alt: 10 m
Sensor system ID	4043B1, 40499C (duplo)
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	30
Traffic speed	50 (55)
Traffic volume (if available)	1461 at major road (Plantin en Moretuslei at 30 m, where R801 is located); 195 (Montensstraat at similar distance),
Distance to major junction	50
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	6
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	AQMS Backyard close to other AQMS (street) - paired measurements
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input checked="" type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other : at the rail on roof top of the AQ monitoring station
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 4: ANT\_REF\_R802

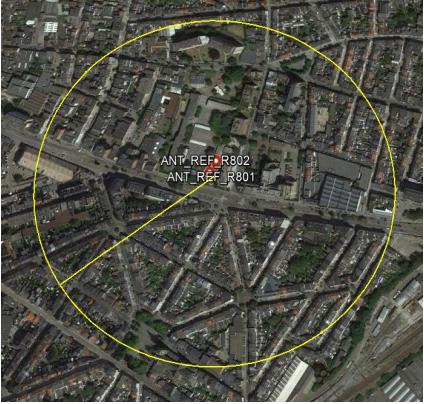
Site ID	ANT_REF_R802
Adress	Plantijn en Moretuslei 285
Geographical coordinates	Lon: 51.20944 Lat: 4.43164 Alt: 10 m
Sensor system ID	4049A6, 4043A7
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	9
Traffic speed	50 (55)
Traffic volume (if available)	1461 (Plantin en Moretuslei)
Distance to major junction	35
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	6
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	Traffic station near busy entrance road to the city center AQMS close to other AQMS (background) - paired measurements
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	
Photo	
Other remarks	

Table 5: ANT\_REF\_R803

Site ID	ANT_REF_R803
Address	Antwerpen (Park Spoor Noord)
Geographical coordinates	Lon: 51.22864 Lat: 4.42852 Alt: 10 m
Sensor system ID	4067BD
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	30
Traffic speed	30 (27)
Traffic volume (if available)	47 (Viséstraat)
Distance to major junction	/
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	43
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	park area, recreational railroad at the north side (at 120 m) AQMS
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O <sub>3</sub> <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other : at the fence of the rooftop of the AQMS
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 6: ANT\_REF\_R804

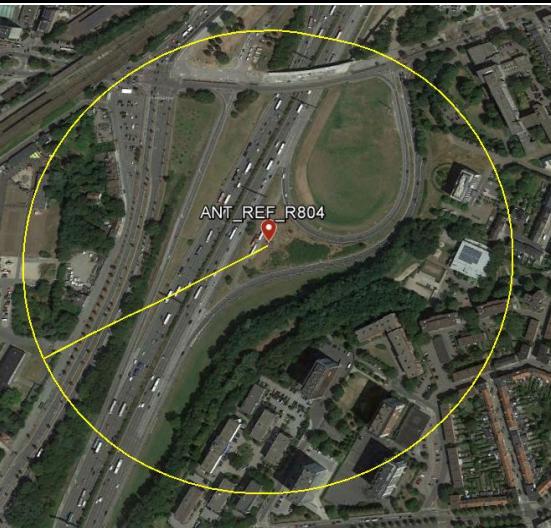
Site ID	ANT_REF_804
Address	Borgerhout (Ring)
Geographical coordinates	Lon: 51.2062 Lat: 4.44199 Alt: 10 m
Sensor system ID	4043AE, 40499F (duplo)
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	35 (R1)
Traffic speed	variable (mostly 90 or 100) (100)
Traffic volume (if available)	4794
Distance to major junction	270
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	170
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	next to very busy ring road, and between the approach and exit road variable speed limit (often 100 km/u)
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input checked="" type="checkbox"/> other: <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other: at the rail on roof top of the AQ monitoring station
Google earth (surroundings, radius 500 m)	Photo
Other remarks	 

Table 7: ANT\_REF\_R805

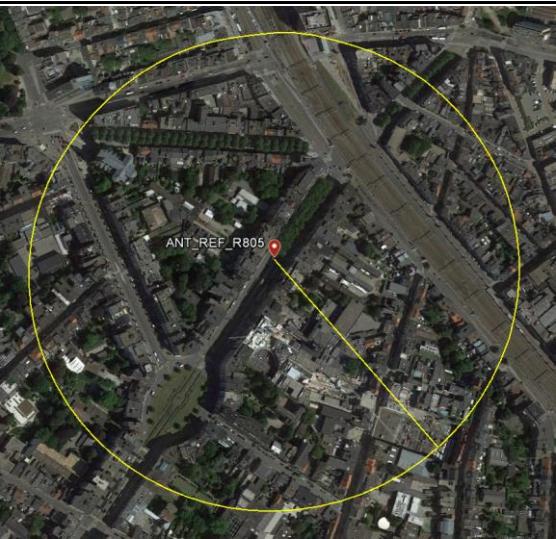
Site ID	ANT_REF_R805
Address	Antwerpen (Belgiëlei)
Geographical coordinates	Lon: 51.20825 Lat: 4.42155 Alt: 10 m
Sensor system ID	406783
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	5
Traffic speed	50 (55)
Traffic volume (if available)	488 (Belgiëlei)
Distance to major junction	140
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	30 m
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	18
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	AQMS on the median strip of a road
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other : at the rail on roof top of the AQ monitoring station
Google earth (surroundings, radius 500 m)	
Other remarks	

Table 8: ANT\_REF\_R811

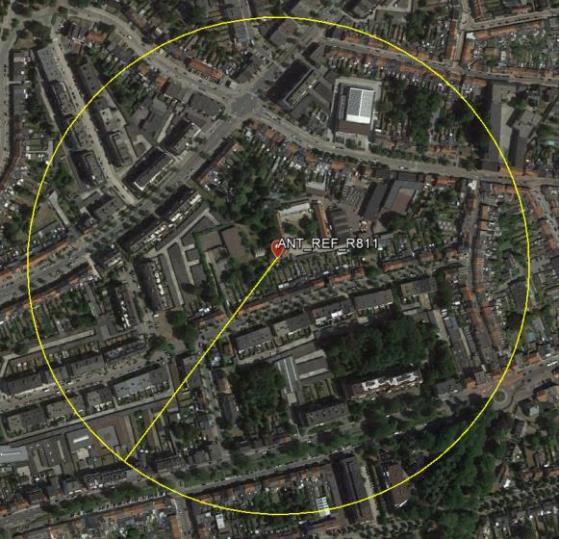
Site ID	ANT_REF_R811
Adress	Schoten
Geographical coordinates	Lon: 51.25212 Lat: 4.49137 Alt: 10 m
Sensor system ID	40642B
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	60 (Lodewijk Weijtenstraat; no traffic data); 146m (Vordensteinstraat)
Traffic speed	50 (39)
Traffic volume (if available)	318 (Vordensteinstraat)
Distance to major junction	195
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	4
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	AQMS Suburban background outside the main study area (further away from the city of Antwerp) (in the backyard of houses)
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input checked="" type="checkbox"/> O3 <input type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other : at the rail on roof top of the AQ monitoring station
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 9: ANT\_REF\_R817

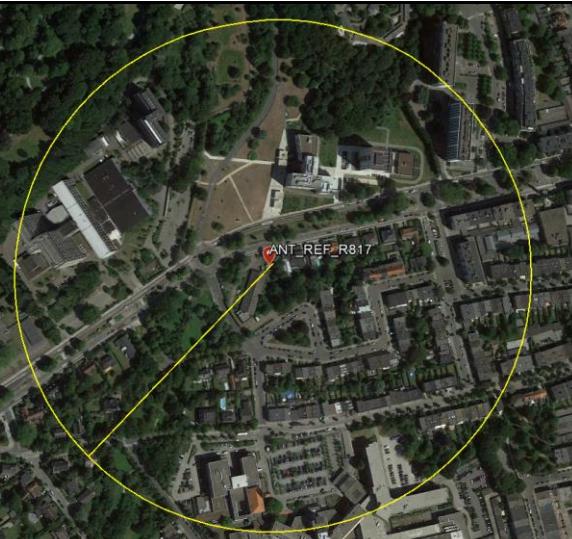
Site ID	ANT_REF_R817
Address	Antwerpen (Groeneborgerlaan)
Geographical coordinates	Lon: 51.17719 Lat: 4.418 Alt: 10 m
Sensor system ID	4047D7
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	21 (Groenenborgerlaan)
Traffic speed	50 (39)
Traffic volume (if available)	530
Distance to major junction	60 (roundabout Groenenborgerlaan)
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	12
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	AQMS Suburban Background green residential area outside the city center the Craeybeckxtunnel runs underneath
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other : at the rail on roof top of the AQ monitoring station
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 10: ANT\_URB\_ANDR

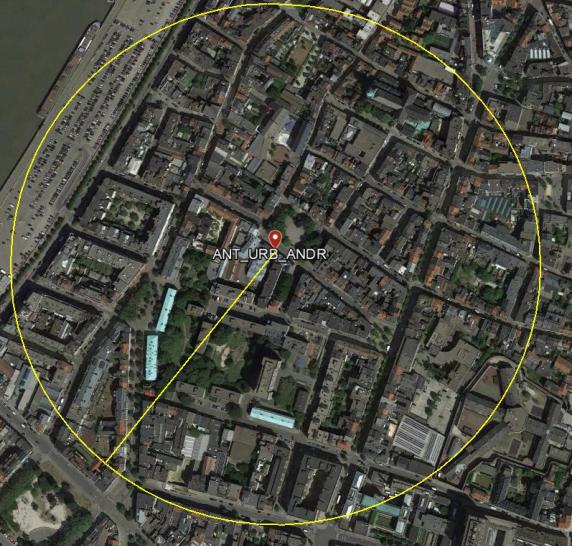
Site ID	ANT_URB_ANDR
Adress	Sint Andriesplaats 24
Geographical coordinates	Lon: 4.39609 Lat: 51.21483 Alt: 10 m
Sensor system ID	406246
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	4
Traffic speed	30 (27)
Traffic volume (if available)	163
Distance to major junction	no major junction in vicinity
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	0,7
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	culture center at street next to a square (only traffic at this side of the square)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 11: ANT\_URB\_BEGI

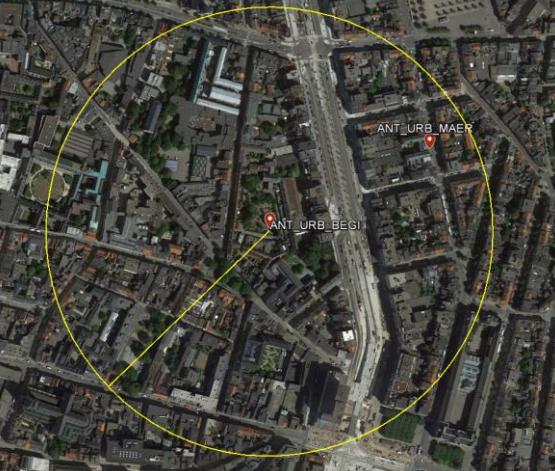
Site ID	ANT_URB_BEGI
Address	Begijnhof
Geographical coordinates	Lon: 4.41452 Lat: 51.22234 Alt: 10 m
Sensor system ID	4047CD
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	55 (local traffic road nearby: Rodestraat); 11 m -> Begijnhof?
Traffic speed	30 (Rodestraat) (average speed measured 9/2018: 28,44)
Traffic volume (if available)	no traffic in vicinity (271 in Lange Winkelstraat at 80m, 1652 at Italiëlei, at 108 m) (traffic volume measured at Rodestraat 9/2018: average Tuesday (24h): 222)
Distance to major junction	75 (Rodestraat - Lange Winkelstraat)
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2,5 m
Sampling point location horizontal distance from nearest building	15 m
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	Begijnhof quiet surrounding in city center mounted on a pole
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other: <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Rooftop <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 12: ANT\_URB\_BOEL

Site ID	ANT_URB_BOEL
Address	Te Boelaerpark 5
Geographical coordinates	Lon: 4.45299 Lat: 51.2018 Alt: 10 m
Sensor system ID	4065EO
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	70 m (De Brierstraat = dead-end street) no traffic data; 115m (Verbovenlei)
Traffic speed	50 (27) ( <i>Arthur Matthyslaan</i> ) (average speed measured 1/2020: 35,36)
Traffic volume (if available)	106 (Verbovenlei)
Distance to major junction	130
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	18
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	school next to park
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 13: ANT\_URB\_BRED

Site ID	ANT_URB_BRED
Adress	Brederodestraat
Geographical coordinates	Lon: 4.39416 Lat: 51.20358 Alt: 10 m
Sensor system ID	402B00
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	6 (Brederodestraat)
Traffic speed	30 (39) (average speed measured 9/2017: 27,9 one direction and 29,55 other direction)
Traffic volume (if available)	158 (traffic volume measured 9/2017: average Tuesday (24h): 2907 one direction and 1605 other direction)
Distance to major junction	93
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	15
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	3
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at school medium traffic and closed environment in city center tram lane on the road (street canyon but box installed just above a lower wall)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 14: ANT\_URB\_GROT

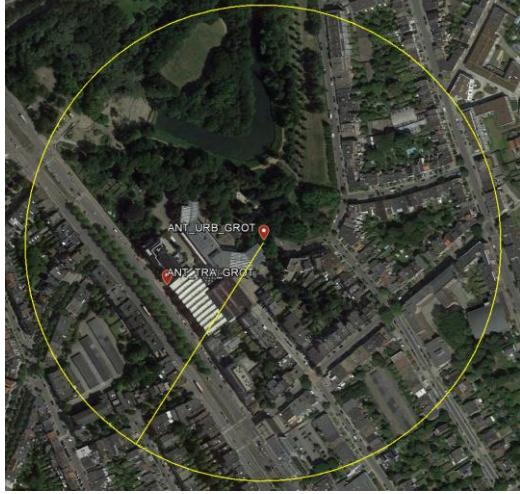
Site ID	ANT_URB_GROT
Address	Grote Steenweg 226 (back)/ Henri Prostlaan
Geographical coordinates	Lon: 4.42942 Lat: 51.18862 Alt: 10 m
Sensor system ID	4065D3
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	20 (dead-end street, Henri Prostlaan)
Traffic speed	30
Traffic volume (if available)	unknown at nearest streets (158 at Jan Moorkensstraat, 165m; and 1512 at Grotsteenweg, 145 m, see ANT_TRA_GROT) (traffic volume measured Jan Moorkensstraat 12/2019: average Tuesday (24h): 238)
Distance to major junction	85 (very quiet traffic, local); 175 (Moorkensstraat-Woutersstraat, also quiet?), see also ANT_TRA_GROT
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	12
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	Centrum for adult education at parkside at back of building, located next to busy road (at 50 m from the road, separated by the road with building) paired with location ANT_TRA_GROT urban background location at parkside, just next to the entrance of the fence, next to a cycling path (5m) sensorbox is installed at top of the fence which is partly covered with ivy, some trees at short distance
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other: <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo
	
	
Other remarks	

Table 15: ANT\_URB\_KIPD

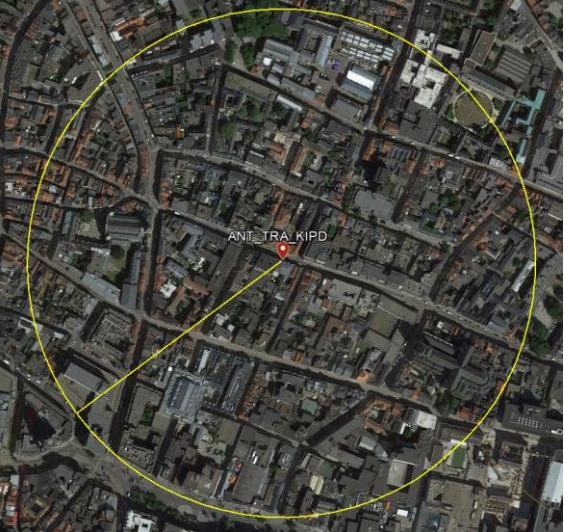
Site ID	ANT_URB_KIPD
Address	Kipdorp 30
Geographical coordinates	Lon: 4.40744 Lat: 51.22091 Alt: 10 m
Sensor system ID	4067BA
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	3
Traffic speed	30 (39) ( <i>average speed measured 3/2019: 26,65</i> )
Traffic volume (if available)	249 (Kipdorp) ( <i>traffic volume measured 3/2019: average Tuesday (24h): 3128</i> )
Distance to major junction	160
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	8
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	1
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	Chiro shop road with medium traffic in city center, tram line streetcanyon like surroundings
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 16: ANT\_URB\_LANG

Site ID	ANT_URB_LANG
Adress	Lange Beeldekenstraat 267
Geographical coordinates	Lon: 4.43508 Lat: 51.22227 Alt: 10 m
Sensor system ID	4065D0
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	10
Traffic speed	30 ( <i>average speed measured 11/2017: 29,11</i> )
Traffic volume (if available)	176 ( <i>traffic volume measured 11/2017: average Tuesday (24h): 3801</i> )
Distance to major junction	125
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	20 to 37 (not the same distance between building lines in entire street)
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	0,7
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at hospital medium traffic and closed environment in city center paired with two other location (ANT_URB_PEST and ANT_TRA_POTH)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 17: ANT\_URB\_MAER

Site ID	ANT_URB_MAER
Address	Van Maerlantstraat 30
Geographical coordinates	Lon: 4.41756 Lat: 51.22333 Alt: 10 m
Sensor system ID	402723
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	3
Traffic speed	30 (27) ( <i>average speed measured 10/2018: 27,59</i> )
Traffic volume (if available)	102
Distance to major junction	40
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	16
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	4
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	location of extra VMM reference monitor locations with medium traffic , in city center, streetcanyon like this location showed high concentrations in previous projects (passive samplers)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 18: ANT\_URB\_PARK

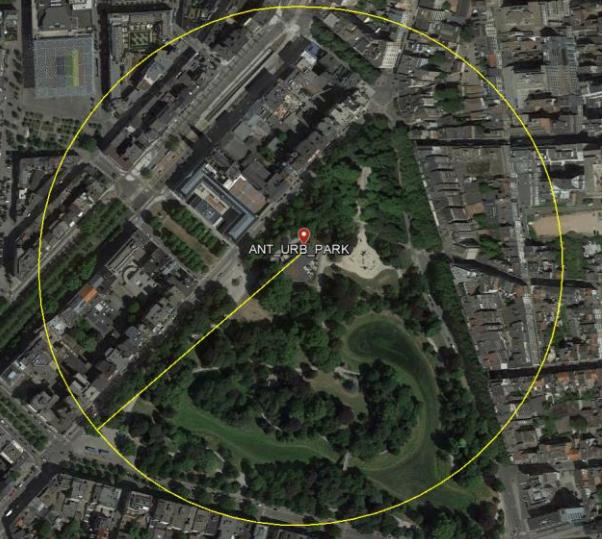
Site ID	ANT_URB_PARK
Address	Stadspark
Geographical coordinates	Lon: 4.41419 Lat: 51.21327 Alt: 10 m
Sensor system ID	408168
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	50 (Rubenslei)
Traffic speed	50 (30 at school) (79)
Traffic volume (if available)	268
Distance to major junction	200 (Matsjslei-Rubenslei) or 250 (Maria Theresialei - Frankrijklei)
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	10
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at park in middle of the city background location
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 19: ANT\_URB\_PEST

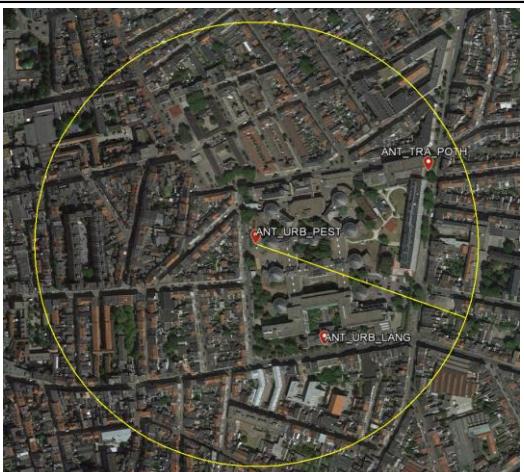
Site ID	ANT_URB_PEST
Address	Pesthofstraat
Geographical coordinates	Lon: 4.43344 Lat: 51.22334 Alt: 10 m
Sensor system ID	4047E7
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	15 (Pesthofstraat)
Traffic speed	30 (27) ( <i>average speed measured 6/2020: 28,56</i> )
Traffic volume (if available)	35 ( <i>traffic volume measured 6/2020: average Tuesday (24h): 2438</i> )
Distance to major junction	80
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2
Sampling point location horizontal distance from nearest building	6
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at hospital coupled with two other locations (ANT_TRA_POTH and ANT_URB_LANG) further away from street and adjacent street is not busy
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	<p>Photo</p>  
Other remarks	closed area, no public access.

Table 20: ANT\_URB\_TURK

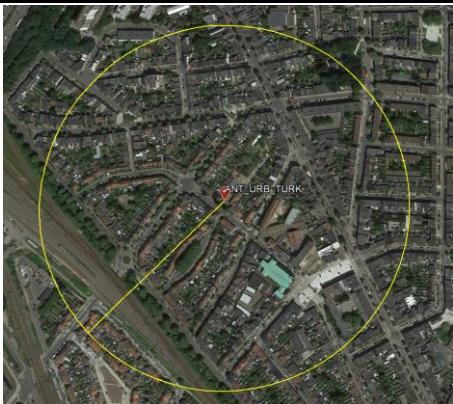
Site ID	ANT_URB_TURK
Address	Turkooisstraat 16
Geographical coordinates	Lon: 4.44134 Lat: 51.19569 Alt: 10 m
Sensor system ID	406424
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	14 (Turkooisstraat: no traffic data) ; 63 m (Edelgesteentestraat)
Traffic speed	30 (27)
Traffic volume (if available)	196 (Edelgesteentestraat)
Distance to major junction	70 (Turkooisstraat - Heldenstraat, Turkooisstraat - Edelgesteentenstraat)
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	0,7
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at green service of the city very quiet street (residential) located at more than 10 m from the street
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 21: ANT\_URB\_VINC

Site ID	ANT_URB_VINC
Address	Sint Vincentiusstraat 20
Geographical coordinates	Lon: 4.41328 Lat: 51.20541 Alt: 10 m
Sensor system ID	408165
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	20 (in back yard)
Traffic speed	30 (27)
Traffic volume (if available)	no traffic in vicinity (41#/h at street at 170 m, nearest with traffic data)
Distance to major junction	115
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	1,5
Sampling point location horizontal distance from nearest building	2
Data communication	<input type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	at hospital in a small garden of the hospital  installation on a pole
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other: <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	installation in yard, surrounded by building and wall

Table 22: ANT\_URB\_WAPP

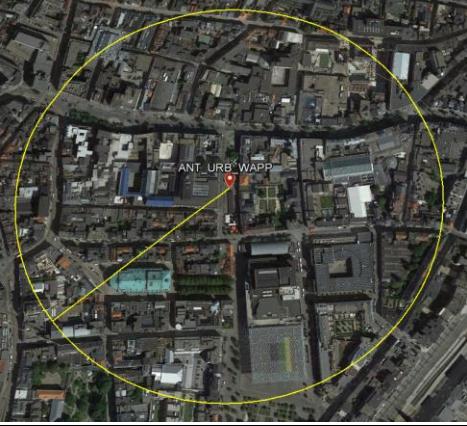
Site ID	ANT_URB_WAPP
Address	Wapper
Geographical coordinates	Lon: 4.40903 Lat: 51.21699 Alt: 10 m
Sensor system ID	408175
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	2 (pedestrian area)
Traffic speed	/
Traffic volume (if available)	0 (or very limited, pedestrian area), 246 at 50m (Hopland)
Distance to major junction	at 100 m Hopland - Meistraat (at 20m with Jodenstraat, limited traffic)
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	15
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	on rooftop, in middle of mainly pedestrian street in pedestrian area in the city center buildings at both sides of the street
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other: <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 23: ANT\_URB\_WITT

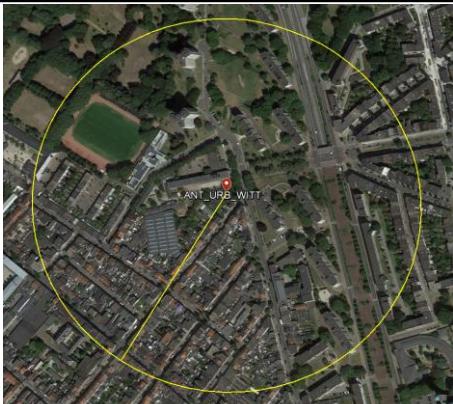
Site ID	ANT_URB_WITT
Address	Wittestraat 10, 2020 Antwerpen
Geographical coordinates	Lon: 51.1898 Lat: 4.3864 Alt: 10 m
Sensor system ID	4047DD
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Background
Distance to street	29 m (Boomsesteenweg); 26 m Wittestraat
Traffic speed	30 (27) (average speed measured 1/2017: 22,27)
Traffic volume (if available)	63 (Wittestraat), 151 (Boomsesteenweg) (traffic volume measured Wittestraat 1/2017: average Tuesday (24h): 1381)
Distance to major junction	43 (Boomsesteenweg - Huysmanslaan)
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	0,7
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at bib small park sensor box installed in green area of bib at the side of Boomsesteenweg
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Other remarks	 

Table 24: ANT\_TRA\_AMER

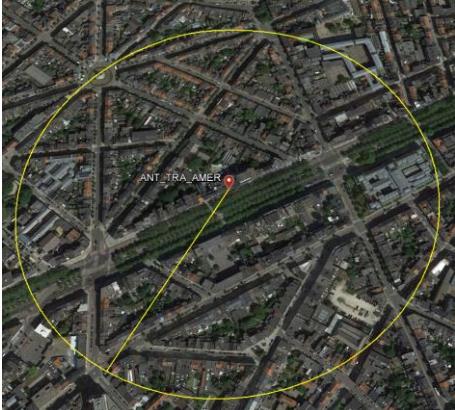
Site ID	ANT_TRA_AMER
Adress	Amerikalei 32
Geographical coordinates	Lon: 4.40048 Lat: 51.20854 Alt: 10m
Sensor system ID	408178
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	5 m (by-lane), 12 m (main road) Amerikalei
Traffic speed	50 (44), 30 (by-lane)
Traffic volume (if available)	1300
Distance to major junction	150
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	58 m
Sampling point location height above ground	3,5
Sampling point location horizontal distance from nearest building	0,7
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	School Sint Lievenscollege next to busy road 2*2 road and by-lane trees next to the road (both sides and in the middle) NE-SW orientation of the street *installation at the wall underneath the banner
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
	
Other remarks	

Table 25: ANT\_TRA\_DESG

Site ID	ANT_TRA_DESG
Adress	Desguinlei 17/19
Geographical coordinates	Lon: 4.40644 Lat: 51.19323 Alt: 10 m
Sensor system ID	406780
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	20 (Desguinlei)
Traffic speed	70 (67)
Traffic volume (if available)	864
Distance to major junction	95 (Desguinlei -Legrellelaan)
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	0,7
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	swimming pool (Wezenberg) next to a busy road (ring road) Between De Singel (inner ring) and the ring road (R1)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 26: ANT\_TRA\_GROT

Site ID	ANT_TRA_GROT
Address	Grote Steenweg 226
Geographical coordinates	Lon: 4.42767 Lat: 51.18812 Alt: 10 m
Sensor system ID	4065DD
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	15 (Grote Steenweg)
Traffic speed	70 (67)
Traffic volume (if available)	1512
Distance to major junction	210
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	48
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	1,5
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	Centrum for adult education Busy road (near city ring) 2*2 lanes+bus lane+Parking lane paired with (ANT_URB_GROT)  *installation at fence of the entrance between two buildings (next to the entrance there is an underground car park of the center: not too busy) (entrance is not used for vehicles, only occasionally for eg delivery)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other: <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo   
Other remarks	

Table 27: ANT\_TRA\_HALE

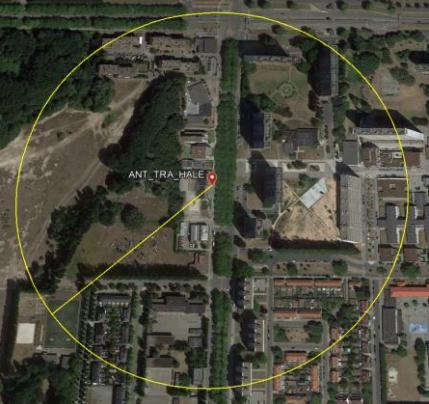
Site ID	ANT_TRA_HALE
Adress	Halewijnlaan 82, 2050 Antwerpen
Geographical coordinates	Lon: 4.37797 Lat: 51.22477 Alt: 10 m
Sensor system ID	4065E3
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	8
Traffic speed	50 (55)
Traffic volume (if available)	595 ( <i>traffic volume measured 5/2017: average Tuesday (24h): 1847 one direction and 1842 other direction</i> )
Distance to major junction	290
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	33 m wide street (two car lanes separated by bike lane in between and trees)
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	4
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at site of fire brigade busy road 2*2 at east part of city (two car lanes separated by bike lane in between, and trees) at east part of the city (linkeroever) installation at pole of traffic light (only used by fire brigade)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 28: ANT\_TRA\_HAVE

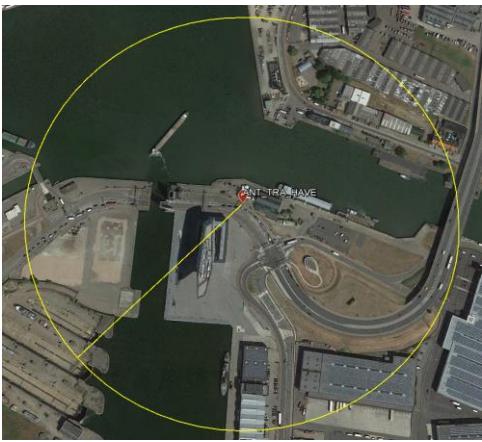
Site ID	ANT_TRA_HAVE
Adress	Siberistraat, 2030 Antwerpen
Geographical coordinates	Lon: 4.40796 Lat: 51.24162 Alt: 10 m
Sensor system ID	406249
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	2-3 m
Traffic speed	70 (79)
Traffic volume (if available)	501 (Siberistraat)
Distance to major junction	85 (Siberistraat - Mexicostraat)
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	16
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	traffic location near harbor next to a busy road (close to the road) near a bridge that automatically opens/closes
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 29: ANT\_TRA\_LEOP

Site ID	ANT_TRA_LEOP
Address	Leopoldstraat 26 (Sint Elisabethziekenhuis)
Geographical coordinates	Lon: 4.40709 Lat: 51.21369 Alt: 10 m
Sensor system ID	40623F
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	5
Traffic speed	30 (27) ( <i>average speed measured 11/2018: 24,69</i> )
Traffic volume (if available)	507 ( <i>traffic volume measured 11/2018: average Tuesday (24h): 5866</i> )
Distance to major junction	20
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	15
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	2
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	on rooftop of side buiding (one floor), next to street small street with relatively high traffic (one-way traffic) construction works next to the hospital during part of the sampling period
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other: <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 30: ANT\_TRA\_POTH

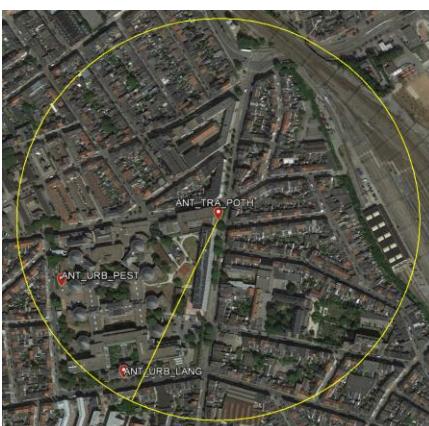
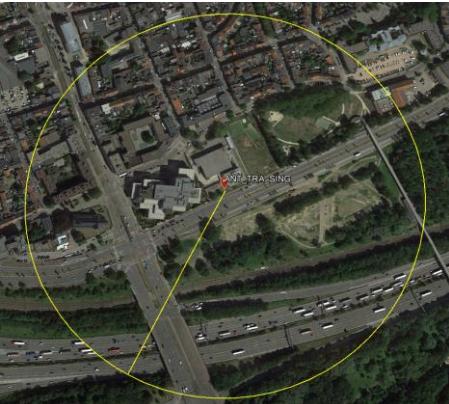
Site ID	ANT_TRA_POTH
Address	Pothoekstraat 109
Geographical coordinates	Lon: 4.43652 Lat: 51.22456 Alt: 10 m
Sensor system ID	4047E0
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	10
Traffic speed	30 (39) (average speed measured 9/2018: 30,25 one direction and 33,36 other direction)
Traffic volume (if available)	611 (traffic volume measured 9/2018: average Tuesday (24h): 4390 one direction and 6124 other direction)
Distance to major junction	35
Location characteristics	<input checked="" type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	16
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	1
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at hospital (paired with ANT_TRA_LANG and ANT_URB_PEST) street with busy traffic observed as hot spot in other projects (passive samplers)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 31: ANT\_TRA\_SING

Site ID	ANT_TRA_SING
Address	Binnensingel
Geographical coordinates	Lon: 4.42374 Lat: 51.19348 Alt: 10 m
Sensor system ID	40641B
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Background
Distance to street	14
Traffic speed	70 (67)
Traffic volume (if available)	1272
Distance to major junction	150
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	5
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	at school de kRing next to ring road (2*2 lane)
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

## ANNEX II DESCRIPTION FORMS OF THE SAMPLING SITES IN OSLO

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### → Sampling sites at the AQMS

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\* From 18/3/20 – 29/10/20, boxes 40816F and 40642E were installed at OSL\_REF\_KVN; the boxes indicated in the table were installed from 1/12/20 onwards. 40642E was installed at OSL\_REF\_BJV on 19/11/20.

### → Sampling sites at (sub)urban background locations

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Table 1: OSL\_REF\_BJV

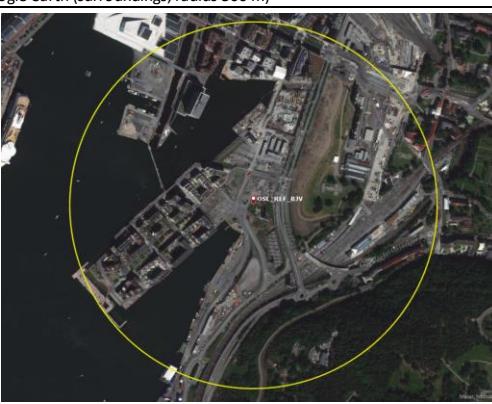
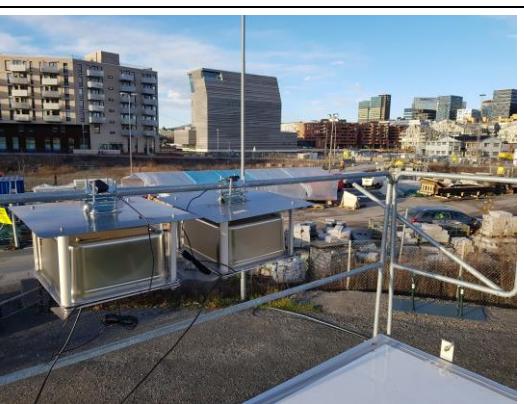
Site ID	OSL_REF_BJV
Address	
Geographical coordinates	<a href="#">Lon: 10.7584076</a> <a href="#">Lat: 59.9030948</a> Alt: 4 m
Sensor system ID	40642E, 64FD11
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	20
Traffic speed	50
Traffic volume (if available)	37800
Distance to major junction	
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	14
Data communication	GPRS
Location description	Reference air quality measurement station located in Loalmenningen.
Reference instrumentation	Ecotech Serinus 40 NOx-monitor (not functioning properly) Palas Fidas 200 dust monitor
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 2: OSL\_REF\_BRS

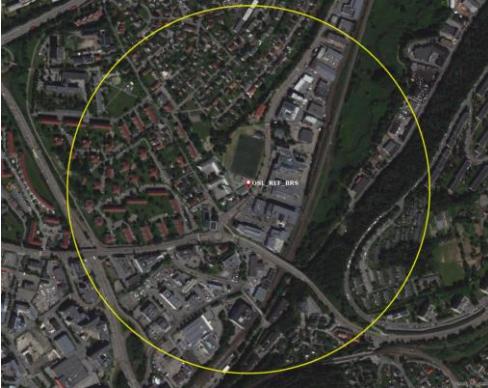
Site ID	OSL_REF_BRS
Address	Ole Deviks vei
Geographical coordinates	<a href="#">Lon: 10.824716</a> <a href="#">Lat: 59.914163</a> Alt: 88 m
Sensor system ID	64E9C5, 65063E
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	10
Traffic speed	50
Traffic volume (if available)	8500
Distance to major junction	
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	2
Data communication	GPRS
Location description	Reference air quality measurement station located next to Bryn elementary school.
Reference instrumentation	Teledyne API T200 NOx-monitor Thermo TEOM 1405DF PM2.5/PM-coarse(/PM10) (from feb. 2021) Grimm 180 (to feb 2021)
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	
Photo	
Other remarks	

Table 3: OSL\_REF\_HJO

<b>Site ID</b>	OSL-REF-HJO
Address	Frognerstranda 6, 0250 Oslo
Geographical coordinates	Lon: <a href="#">10.7039919</a> Lat: <a href="#">59.9112619</a> Alt:
Sensor system ID	64CB6D
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban/suburban traffic
Distance to street	4
Traffic speed	80 (60 in the winter)
Traffic volume (if available)	75480
Distance to major junction	
	Detached buildings
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	20
Data communication	GPRS
	Mounted in reference station Hjortnes
Location description	
Reference instrumentation	API 200A Nox monitor TEOM1400AB PM2.5 TEOM 1400AB PM10 Digital High volume sampler - PAH 24h samples every 3rd day.
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 4: OSL\_REF\_KVN\*

Site ID	OSL_REF_KVN
Adress	Schwachs gate, 0361 Oslo
Geographical coordinates	Lon: <a href="#">10.7245448</a> Lat: <a href="#">59.9323007</a> Alt: 58,3 m
Sensor system ID	40816F and 40642E (period 18/3/20 - 29/10/20); 65325E and 652A32 (period 1/12/20 - end)
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	5
Traffic speed	50
Traffic volume (if available)	14800
Distance to major junction	550 m (Majorstuen-krysset)
Location characteristics	One-sided compact buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	11
Data communication	GPRS
Location description	Reference air quality measurement station located next to municipal road 161/Kirkeveien. The station is located right next to a bus stop with bus frequency of <5 minutes.
Reference instrumentation	Opsis Serinus 30 CO, snr. 13-1236 Opsis Serinus 40 NOx, snr. 13-0574 Thermo TEOM 1405DF PM2.5/PM-coarse(/PM10), snr. 1405A225661309 API 400E O <sub>3</sub> -monitor, snr. 987 (temporary)
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 5: OSL\_REF\_SKY

<b>Site ID</b>	<b>OSL_REF_SKY</b>
Address	Drammensveien 118, 0273 Oslo
Geographical coordinates	Lon: 10.6897136 Lat: 59.9197541 Alt: 3
Sensor system ID	426178
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban/suburban background
Distance to street	87
Traffic speed	80 (60 in the winter)
Traffic volume (if available)	12461
Distance to major junction	
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	12
Data communication	GPRS
Location description	Mounted in reference station Skøyen
Reference instrumentation	Thermo FH 62IR PM2.5 Thermo FH 62IR PM10
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
Other remarks	

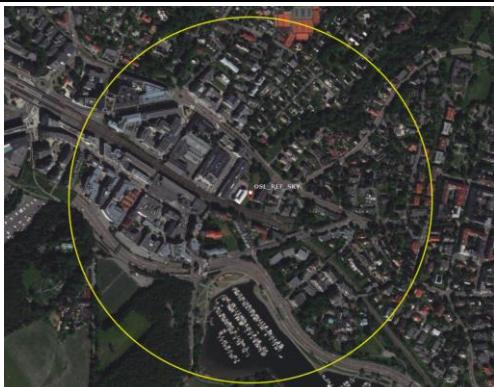


Table 6: OSL\_REF\_SMS

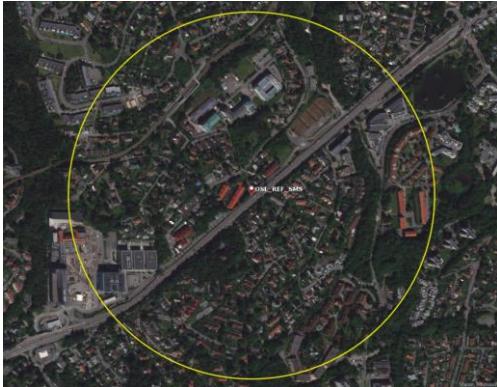
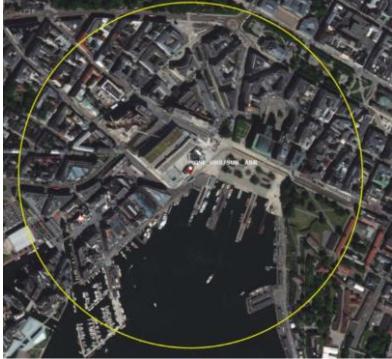
Site ID	OSL_REF_SMS
Adress	Ullernchausseen 46 0379 Oslo
Geographical coordinates	<a href="#">Lon:10.66986</a> <a href="#">Lat:59.9325</a> Alt: 53 m
Sensor system ID	40817F
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	8
Traffic speed	70 (60 in winter)
Traffic volume (if available)	500 (45900 adjacent)
Distance to major junction	
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	
Data communication	GPRS
Location description	Reference air quality measurement station located next to road Ring 3.
Reference instrumentation	Teledyne API T200 NOx-monitor Thermo TEOM 1405DF PM2.5/PM-coarse(/PM10)
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 7: OSL\_URB\_ABR

Site ID	OSL_URB_ABR
Address	
Geographical coordinates	<a href="#">Lon: 10.729931</a> <a href="#">Lat: 59.911124</a> Alt: 3
Sensor system ID	647D5A
Sensor pollutants	NO2, NO, CO, CO2, O3, PM2.5, PM10
Classification of the area	
Location type	Urban background
Distance to street	63 (6 m to tram rails)
Traffic speed	N/A
Traffic volume (if available)	6700
Distance to major junction	157 (Munkedamsveien x Dronning Mauds gate)
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	10
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 1755, with a capacity of 33 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

**Table 8: OSL\_URB\_DKH**

<b>Site ID</b>	<b>OSL_URB_DKH</b>
Adress	Diakonveien 14, Oslo
Geographical coordinates	<a href="#">Lon: 10.7054539</a> <a href="#">Lat: 59.9363237</a>
	Alt: 69
Sensor system ID	64FDOA
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban background
Distance to street	9
Traffic speed	30
Traffic volume (if available)	2000
Distance to major junction	355 (Sørkedalsveien/Diakonveien), Detached buildings
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	7
Data communication	GPRS
	Mounted in a Oslo city bike station 536, with a capacity of 15 bikes.
Location description	
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 9: OSL\_URB\_ESG

Site ID	OSL- URB -ESG
Address	
Geographical coordinates	<a href="#">Lon: 10.736078</a> <a href="#">Lat: 59.919100</a> Alt: 19
Sensor system ID	6517DD
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	8
Traffic speed	40
Traffic volume (if available)	500 (12500 within 200m)
Distance to major junction	
Location characteristics	one-sided compact buildings þ
Width of street, height of buildings (optional)	
Sampling point location height above ground	
Sampling point location horizontal distance from nearest building	16
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 476, with a capacity of 20 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 10: OSL\_URB\_HSL

<b>Site ID</b>	<b>OSL_URB_HSL</b>
Address	Bøkkerveien 11, 0579 Oslo
Geographical coordinates	<a href="#">Lon:10.7960557</a> <a href="#">Lat:59.9274084</a> Alt: 98 m
Sensor system ID	425FB4
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban background
Distance to street	5
Traffic speed	30
Traffic volume (if available)	25000
Distance to major junction	128 m (Økernveien x Dronning Margretes vei)
Location characteristics	One-sided compact buildings and detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	4
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 513, with a capacity of 15 bikes. Located next to Café Pipa in Bøkkerveien.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 11: OSL\_URB\_KVB

Site ID	OSL_URB_KVB
Address	Smeltegelen 1
Geographical coordinates	Lon: 10.786204 Lat: 59.9045278
Sensor system ID	65326C
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic/ background
Distance to street	5
Traffic speed	
Traffic volume (if available)	1000
Distance to major junction	
Location characteristics	one-sided compact buildings þ
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	4
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 447, with a capacity of 30 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 12: OSL\_URB\_FOL

<b>Site ID</b>	<b>OSL_URB_FOL</b>
Address	Museumsveien 15, 0287 Oslo
Geographical coordinates	<a href="#">Lon: 10.6867873</a> <a href="#">Lat: 59.9076989</a>
	Alt: 18
Sensor system ID	648891
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban background
Distance to street	9
Traffic speed	40
Traffic volume (if available)	5900
Distance to major junction	1170 (Sjølystveien/E18 x Dronning Biancas vei x Bygdøy Allé)
	Detached buildings
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	20
Data communication	GPRS
	Mounted in a Oslo city bike station 418, with a capacity of 12 bikes. Between parkinglot and road.
Location description	
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 13: OSL\_URB\_NDL

Site ID	OSL_URB_NDL
Address	Gjerdums vei 6, 0484 Oslo
Geographical coordinates	<a href="#">Lon: 10.766539</a> <a href="#">Lat: 59.952826</a> <a href="#">Alt: 116</a>
Sensor system ID	653257
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban/Suburban background
Distance to street	4
Traffic speed	30
Traffic volume (if available)	1500
Distance to major junction	111 (Skolebakken x Rolf Wickstrøms vei (Ring 3))
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	18
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 482, with a capacity of 18 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 14: OSL\_URB\_SPN

Site ID	<b>OSL_URB_SPN</b>
Address	Helgesensgate 58, Oslo
Geographical coordinates	<a href="#">Lon: 10.766515</a> <a href="#">Lat: 59.923142</a> Alt: 25
Sensor system ID	561FC
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban background
Distance to street	3
Traffic speed	40
Traffic volume (if available)	4000
Distance to major junction	246 (Helgesensgate x Trondheimsveien) one-sided compact buildings
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	12 (9 m to a shed)
Data communication	GPRS
	Mounted in a Oslo city bike station 598, with a capacity of 33 bikes. 43 m away from reference station Sofienbergparken measuring PM2.5, PM10, NOx, SO2, O <sub>3</sub> and PAH.
Location description	
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 15: OSL\_URB\_SBT

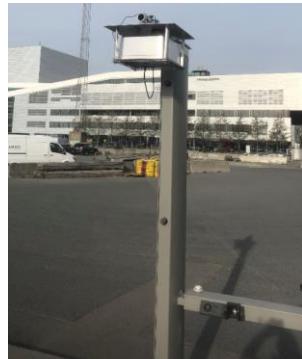
Site ID	OSL_URB_SBT
Address	
Geographical coordinates	<a href="#">Lon: 10.7537145</a> <a href="#">Lat: 59.9057516</a> Alt: 0,7
Sensor system ID	652A32
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	Urban background
Location type	
Distance to street	
Traffic speed	30
Traffic volume (if available)	Very low
Distance to major junction	
Location characteristics	b
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 464, with a capacity of 39 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 16: OSL\_URB\_JBV

<b>Site ID</b>	<b>OSL-URB-JBV</b>
Address	Hoffsveien
Geographical coordinates	<a href="#">Lat: 59.930461</a> <a href="#">Lon: 10.675772</a>
	Alt: 30
Sensor system ID	64B082
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	Suburban
Location type	Urban traffic/ background
Distance to street	2
Traffic speed	50
Traffic volume (if available)	500
Distance to major junction	300
Location characteristics	Residential area. Forest in the back. Houses in the area.
Width of street, height of buildings (optional)	4
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	50
Data communication	GPRS
Location description	Mounted in a Oslo city bike station at corner of Jarlsborgveien and Hoffsveien, with a capacity of 30 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (radius)	
Photo	
Other remarks	

Table 17: OSL\_URB\_SGT

<b>Site ID</b>	<b>OSL-URB-SGT</b>
Address	Stavangergata 1
Geographical coordinates	<a href="#">Lon: 10.750836</a> <a href="#">Lat: 59.941163</a> Alt: 80
Sensor system ID	425FB3
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic/ background
Distance to street	4
Traffic speed	50
Traffic volume (if available)	6500
Distance to major junction	900m
Location characteristics	Detached low buildings on the other side of road (ca. 10m from measuring point), forest in the back of measuring point
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	10
Data communication	GPRS
Location description	Mounted in a Oslo city bike station no.582, with a capacity of 30 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Other remarks	 

Table 18: OSL\_TRAF\_AKP

<b>Site ID</b>	<b>OSL-TRAF-AKP</b>
Address	Waldemar Thranes gate 71, 0175 Oslo
Geographical coordinates	<a href="#">Lon: 10.751499</a> <a href="#">Lat: 59.92807</a>
	Alt: 32
Sensor system ID	64CB78
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	6
Traffic speed	40
Traffic volume (if available)	13000
Distance to major junction	80 (Alexander Kiellands plass, Sannergata x Uelandsgate)
	One-sided compact buildings. Park.
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	2
Data communication	GPRS
	Mounted in a Oslo city bike station 421, with a capacity of 25 bikes.
Location description	
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	 
Other remarks	

Table 19: OSL\_TRAF\_BTB

Site ID	OSL_TRAF_BTB
Adress	Østensjøveien 47 0667 Oslo
Geographical coordinates	<a href="#">Lon: 10.814098</a> <a href="#">Lat: 59.909289</a> <a href="#">Alt: 90</a>
Sensor system ID	64CB70
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	5
Traffic speed	50
Traffic volume (if available)	8700
Distance to major junction	520 (Tvetenveien x Østensjøveien)
Location characteristics	Detached four-sided compact buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	50
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 532, with a capacity of 21 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	Battery powered citi bike station

Table 20: OSL\_TRAF\_CMG

Site ID	OSL_TRAF_CMG
Adress	Chr. Michelsens gate 18, 0568 Oslo
Geographical coordinates	Lon: 10.773286 Lat: 59.927244 Alt: 51
Sensor system ID	426179
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	6
Traffic speed	50
Traffic volume (if available)	13000
Distance to major junction	
Location characteristics	one-sided compact buildings þ
Width of street, height of buildings (optional)	
Sampling point location height above ground	
Sampling point location horizontal distance from nearest building	6
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 431, with a capacity of 20 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 21: OSL\_TRAF\_FRL

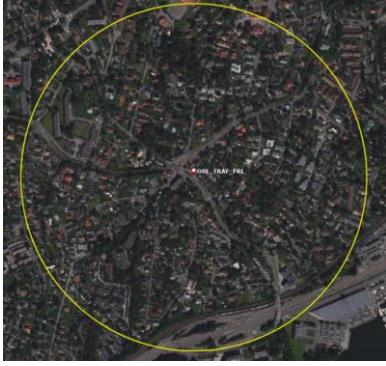
Site ID	OSL_TRAF_FRL
Address	Vækerøveien 22
Geographical coordinates	<a href="#">Lon: 10.6509937</a> <a href="#">Lat: 59.9198541</a> Alt: 45
Sensor system ID	64A292
Sensor pollutants	NO2, NO, CO, CO2, O3, PM2.5, PM10
Classification of the area	
Location type	Traffic
Distance to street	1
Traffic speed	50
Traffic volume (if available)	10900
Distance to major junction	38 (Vækerøveien x Bestumveien)
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	16
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 454, with a capacity of 24 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 22: OSL\_TRAF\_GTB

Site ID	OSL_TRAF_GTB
Adress	Gaustad T-bane, 0373 Oslo
Geographical coordinates	<a href="#">Lon: 10.7103623</a> <a href="#">Lat: 59.9459289</a>
	Alt: 103
Sensor system ID	64A291
Sensor pollutants	NO2, NO, CO, CO2, O3, PM2.5, PM10
Classification of the area	Urban/suburban traffic
Location type	Urban/suburban traffic
Distance to street	4
Traffic speed	50
Traffic volume (if available)	7400
Distance to major junction	34
Location characteristics	open area
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	20
Data communication	GPRS
Location description	Between road and subway tracks. Mounted in a Oslo city bike station 560, with a capacity of 9 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 23: OSL\_TRAF\_LIND

Site ID	OSL_TRAF_LIND
Address	Stensgata 50/Kirkeveien 165, 0450 Oslo
Geographical coordinates	Lat:10.7351127 Lat:59.9358784 Alt: 72,1 m
Sensor system ID	4065ED
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	7
Traffic speed	50
Traffic volume (if available)	14800
Distance to major junction	142 (Kirkeveien/Sognsveien)
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
17	17
Data communication	GPRS
	Mounted in a Oslo city bike station 434, with a capacity of 21 bikes. Located next to municipal road 161/Kirkeveien.
Location description	
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 24: OSL\_TRAF\_VINK

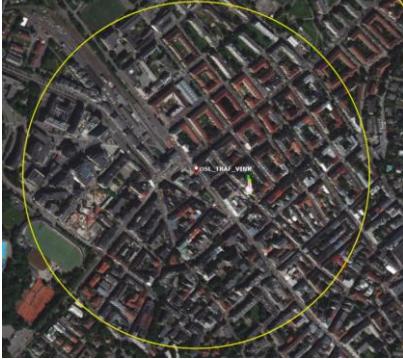
Site ID	OSL_TRAF_VINK
Adress	Kirkeveien 59, 0364 Oslo
Geographical coordinates	Lon: 10.717015 Lat: 59.9289845 Alt: 49,6 m
Sensor system ID	40458D
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	1,5
Traffic speed	50
Traffic volume (if available)	6100 (crossroad second nearest 14800)
Distance to major junction	31 (Majorstuen-krysset)
Location characteristics	One-sided compact buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	7
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 413, with a capacity of 18 bikes. The street next to sensor unit is trafficed by both cars and trams.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 25: OSL\_TRAF\_STB

Site ID	OSL_TRAF_STB
Address	Hans Nielsen Hauges gate 37E, 0481 Oslo
Geographical coordinates	<a href="#">Lon: 10.7802742</a> <a href="#">Lat: 59.9388015</a>
	Alt: 104
Sensor system ID	651EF5
Sensor pollutants	
Classification of the area	
Location type	Urban traffic
Distance to street	5
Traffic speed	50
Traffic volume (if available)	9500
Distance to major junction	240 (Sinsenkrysset)
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	20
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 614, with a capacity of 24 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	 
Other remarks	

Table 26: OSL\_TRAF\_STM

Site ID	OSL_TRAF_STM
Adress	Finnmarksgata
Geographical coordinates	Lon: 10.774708 Lat: 59.919122 Alt: 33
Sensor system ID	652FA4
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2,5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	9
Traffic speed	50
Traffic volume (if available)	5900
Distance to major junction	419 (Finnmarksgata x Økernveien)
Location characteristics	Open area b
Width of street, height of buildings (optional)	
Sampling point location height above ground	
Sampling point location horizontal distance from nearest building	97
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 497, with a capacity of 27 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	 
Other remarks	

Table 27: OSL\_TRAF SVN

Site ID	OSL_TRAF SVN
Address	Sognsveien 66, 0851 Oslo
Geographical coordinates	<a href="#">Lon: 10.7325619</a> <a href="#">Lat: 59.9474599</a> <a href="#">Alt: 99</a>
Sensor system ID	652FAF
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban/suburban traffic
Distance to street	7
Traffic speed	50
Traffic volume (if available)	11700
Distance to major junction	230 (Sognsveien x Ring 3)
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	25
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 575, with a capacity of 30 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

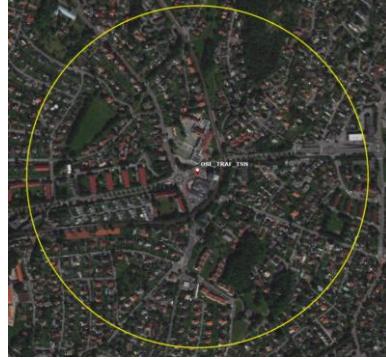
Table 28: OSL\_TRAF\_STO

<b>Site ID</b>	<b>OSL_TRAF_STO</b>
Address	Vitaminveien 7-9, 0485 Oslo
Geographical coordinates	<a href="#">Lon: 10.773641</a> <a href="#">Lat: 59.946763</a>
	Alt: 108
Sensor system ID	649312
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban/suburban traffic
Distance to street	8
Traffic speed	40
Traffic volume (if available)	14000
Distance to major junction	12 (Vitaminveien x Gunnar Schjeldrups vei)
	one-sided compact buildings
Location characteristics	
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	1
Data communication	GPRS
	Mounted in a Oslo city bike station 397, with a capacity of 42 bikes.
Location description	
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 29: OSL\_TRAF\_THP

<b>Site ID</b>	OSL_TRAF_THP
Address	Bygdøy allé 60, 0265 Oslo
Geographical coordinates	Lat: 59.918589 Lon: 10.7038411
Sensor system ID	652D3A
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban traffic
Distance to street	1
Traffic speed	40
Traffic volume (if available)	11200
Distance to major junction	32
Location characteristics	one-sided compact buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	16
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 519, with a capacity of 24 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo  
Other remarks	

Table 30: OSL\_TRAF\_TSN

Site ID	OSL_TRAF_TSN
Adress	Kaj Munks vei 41, 0876 Oslo
Geographical coordinates	Lon: 10.75134 Lat: 59.952593 Alt: 122
Sensor system ID	649526
Sensor pollutants	NO <sub>2</sub> , NO, CO, CO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , PM <sub>10</sub>
Classification of the area	
Location type	Urban/suburban traffic
Distance to street	12
Traffic speed	40
Traffic volume (if available)	9000
Distance to major junction	37 (Kaj Munks vei x Nordbergveien)
Location characteristics	Detached buildings
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	2
Data communication	GPRS
Location description	Mounted in a Oslo city bike station 554, with a capacity of 21 bikes.
Reference instrumentation	
Description of positioning of sensorbox to reference monitors	
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

### ANNEX III DESCRIPTION FORMS OF THE SAMPLING SITES IN ZAGREB

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Table 1: ZAG\_REF\_CENT

Site ID	ZAG_REF_CENT
Address	Poljana Zdenka Mikine 47
Geographical coordinates	Lon: 15,9850654 Lat: 45,810587 Alt: 116m
Sensor system ID	427906
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	25
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	74
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	8
Sampling point location horizontal distance from nearest building	26
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	Location is part of local monitoring network for air quality of Zagreb City
Reference instrumentation	<input type="checkbox"/> PM <sub>2.5</sub> <input checked="" type="checkbox"/> PM <sub>10</sub> <input checked="" type="checkbox"/> NO <sub>2</sub> <input checked="" type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other: <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Rooftop <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	<p>Photo</p>  
Other remarks	

Table 2: ZAG\_REF\_IMI

Site ID	ZAG_REF_IMI
Adress	Ksaverska cesta 2
Geographical coordinates	Lon: 15,9778218 Lat: 45,835305 Alt: 195m
Sensor system ID	4047D0, 427907
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	37
Traffic speed	50
Traffic volume (if available)	
Distance to major junction	164
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3,5
Sampling point location horizontal distance from nearest building	20
Data communication	<input checked="" type="checkbox"/> WiFi <input type="checkbox"/> GSM
Location description	Location is part of local monitoring network for air quality of Zagreb City, reference station of IMI
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input checked="" type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	
Photo	
Other remarks	

Table 3: ZAG\_REF\_JAKU

Site ID	ZAG_REF_JAKU
Adress	Tišinska ulica
Geographical coordinates	Lon: 16,0180235 Lat: 45,7638051 Alt: 276m
Sensor system ID	64876B
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Industrial
Distance to street	20
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	152
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3,5
Sampling point location horizontal distance from nearest building	35
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is part of local monitoring network for air quality of Zagreb City, near location is waste landfill
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input checked="" type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	 
Other remarks	

Table 4: ZAG\_REF\_JANK

Site ID	ZAG_REF_JANK
Adress	Jankomir 2
Geographical coordinates	Lon: 15,879187 Lat: 45,8101832 Alt: 98m
Sensor system ID	42816D
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input checked="" type="checkbox"/> Industrial
Distance to street	27
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	157
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3,5
Sampling point location horizontal distance from nearest building	47
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is part of local monitoring network for air quality of Zagreb City
Reference instrumentation	<input checked="" type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO <sub>2</sub> <input checked="" type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 5: ZAG\_REF\_PESC

Site ID	ZAG_REF_PESC
Adress	Getaldićeva ulica 4
Geographical coordinates	Lon: 16,0263065 Lat: 45,8039651 Alt: 232m
Sensor system ID	406414
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	72
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	164
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3,5
Sampling point location horizontal distance from nearest building	53
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is part of local monitoring network for air quality of Zagreb City
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO <sub>2</sub> <input checked="" type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other: <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Rooftop <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo
	
	
Other remarks	

Table 6: ZAG\_REF\_ZAG1

Site ID	ZAG_REF_ZAG1
Adress	Ulica Grada Vukovara 41
Geographical coordinates	Lon: 15,9733119 Lat: 45,8003916 Alt: 195m
Sensor system ID	428164
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	27
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	27
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2,5
Sampling point location horizontal distance from nearest building	42
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Station is part of state network for air quality measurements
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Rooftop <input checked="" type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 7: ZAG\_REF\_ZAG2

Site ID	ZAG_REF_ZAG2
Adress	intersection of Maksimirска cesta and Ulica Dragutina Mandla
Geographical coordinates	Lon: 16,0346778 Lat: 45,8232593 Alt: 390m
Sensor system ID	648157
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	18
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	36
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3,5
Sampling point location horizontal distance from nearest building	65
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is part of state monitoring network for air quality
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input checked="" type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	 
Other remarks	

Table 8: ZAG\_REF\_ZAG3

Site ID	ZAG_REF_ZAG3
Address	Intersection Sarajevske ulice and Kauzarićevog prilaza
Geographical coordinates	Lon: 16,0078921 Lat: 45,7646964 Alt: 552m
Sensor system ID	64C225
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	40,6
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	40,6
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	3
Sampling point location horizontal distance from nearest building	80
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
	Station is part of state network for air quality measurements
Location description	
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input checked="" type="checkbox"/> NO2 <input checked="" type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input checked="" type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
	
Other remarks	

Table 9: ZAG\_URB\_JARU

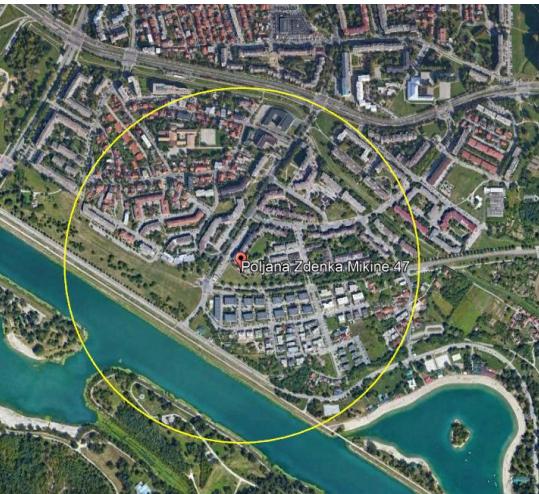
Site ID	ZAG_URB_JARU
Adress	Poljana Zdenka Mikine 47
Geographical coordinates	Lon: 15,9266563 Lat: 45,7836873 Alt: 98m
Sensor system ID	64876C
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	55
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	110
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	8
Sampling point location horizontal distance from nearest building	26
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is near Lake Jarun and mostly around the sampling site are domestic buildings
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 10: ZAG\_URB\_KVAT

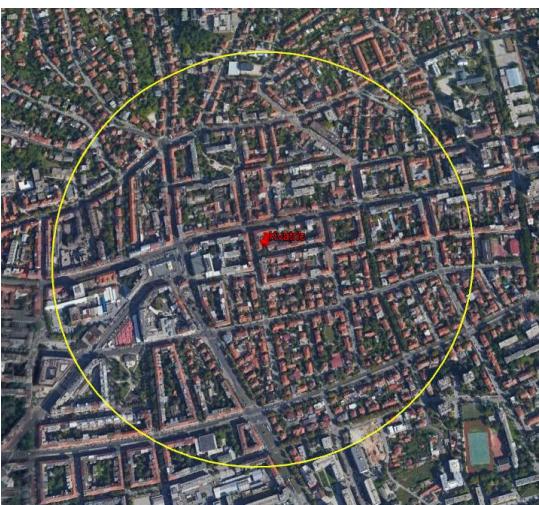
Site ID	ZAG_URB_KVAT
Adress	Ulica Ferde Livadića 3
Geographical coordinates	Lon: 15,999859 Lat: 45,815243 Alt: 552m
Sensor system ID	64C52B
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	17
Traffic speed	50
Traffic volume (if available)	
Distance to major junction	196
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	11
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is in urban residential area
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
	
Other remarks	

Table 11: ZAG\_URB\_REME

Site ID	ZAG_URB_REME
Adress	Remetinečki gaj
Geographical coordinates	Lon: 15,946733 Lat: 45,7699122 Alt: 232m
Sensor system ID	648169
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	20
Traffic speed	40
Traffic volume (if available)	
Distance to major junction	126
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4,5
Sampling point location horizontal distance from nearest building	26
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is on the edge of Zagreb city, main sources are domestic heating and cooking, also traffic
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	<p>Photo</p>  
Other remarks	

Table 12: ZAG\_RUR\_BLIZ

Site ID	ZAG_RUR_BLIZ
Address	Sljemenska cesta, Bliznec
Geographical coordinates	Lon: 15,9768016 Lat: 45,8768845 Alt: 328m
Sensor system ID	64E03B
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input type="checkbox"/> Suburban <input checked="" type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	42
Traffic speed	50
Traffic volume (if available)	
Distance to major junction	1880
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2
Sampling point location horizontal distance from nearest building	20
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is inside National park Medvednica, main sources are nature origin
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 13: ZAG\_RUR\_BREZ

Site ID	ZAG_RUR_BREZ
Address	Črnkovka, Demerje
Geographical coordinates	Lon: 15,887239 Lat: 45,717234 Alt: 552m
Sensor system ID	649738
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input type="checkbox"/> Suburban <input checked="" type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	71
Traffic speed	50
Traffic volume (if available)	
Distance to major junction	71
Location characteristics	<input type="checkbox"/> Street canyon <input type="checkbox"/> Detached <input checked="" type="checkbox"/> Open <input type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2
Sampling point location horizontal distance from nearest building	56
Data communication	<input type="checkbox"/> WIFI <input checked="" type="checkbox"/> GSM
Location description	Location is on the edge of Zagreb city, main sources are domestic heating , cooking and agriculture
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input type="checkbox"/> other: <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other:
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 14: ZAG\_RUR\_SESV

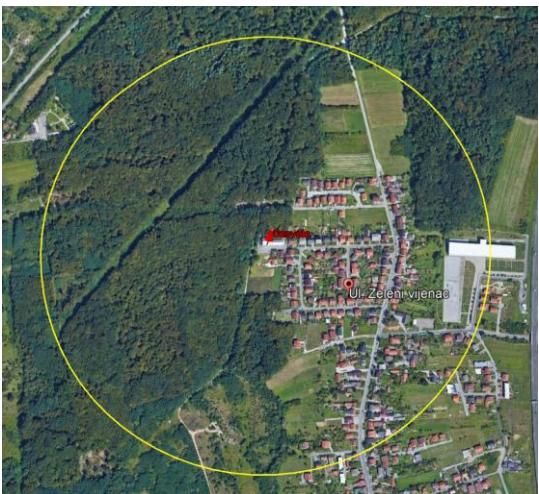
Site ID	ZAG_RUR_SESV
Adress	Ulica Zeleni vijenac
Geographical coordinates	Lon: 16,12943 Lat: 45,832372 Alt: 276m
Sensor system ID	652FA1
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO <sub>2</sub> , O <sub>3</sub> , CO <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input type="checkbox"/> Urban <input type="checkbox"/> Suburban <input checked="" type="checkbox"/> Rural
Location type	<input type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	78
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	290
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	4
Sampling point location horizontal distance from nearest building	26
Data communication	<input checked="" type="checkbox"/> WIFI <input type="checkbox"/> GSM
Location description	Location is in east part of Zagreb, in rural domestic area
Reference instrumentation	<input type="checkbox"/> PM2.5 <input type="checkbox"/> PM10 <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> O <sub>3</sub> <input type="checkbox"/> other : <input checked="" type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input type="checkbox"/> Rooftop <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo
	
Other remarks	

Table 15: ZAG\_TRA\_CRNO

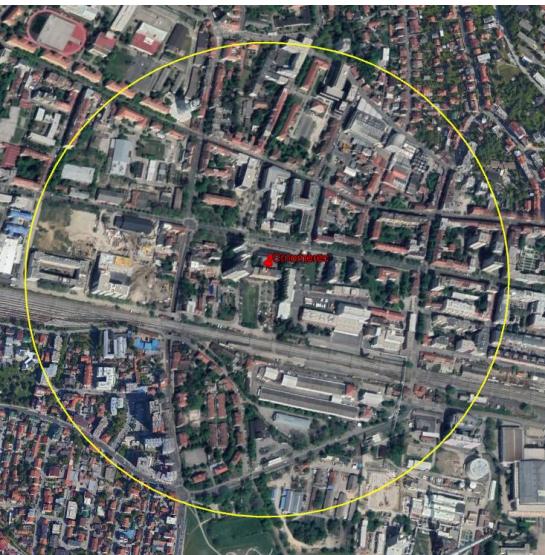
Site ID	ZAG_TRA_CRNO
Adress	Prilaz baruna Filipovića 11
Geographical coordinates	Lon: 15,9445581 Lat: 45,8113477 Alt: 195m
Sensor system ID	40641E
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	57
Traffic speed	60
Traffic volume (if available)	
Distance to major junction	182
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2
Sampling point location horizontal distance from nearest building	30
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	Location is part of local monitoring network for air quality for Zagreb City
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

Table 16: ZAG\_TRA\_SIGE

Site ID	ZAG_TRA_SIGE
Adress	Avenija Većeslava Holjevca 22
Geographical coordinates	Lon: 15,980557 Lat: 45,7729033 Alt: 276m
Sensor system ID	652A38
Sensor pollutants	<input checked="" type="checkbox"/> PM, NO, NO2, O3, CO <input checked="" type="checkbox"/> CO2 <input checked="" type="checkbox"/> Plantower PM
Classification of the area	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Suburban <input type="checkbox"/> Rural
Location type	<input checked="" type="checkbox"/> Traffic <input type="checkbox"/> Industrial
Distance to street	34
Traffic speed	70
Traffic volume (if available)	
Distance to major junction	181
Location characteristics	<input type="checkbox"/> Street canyon <input checked="" type="checkbox"/> Detached <input type="checkbox"/> Open <input checked="" type="checkbox"/> Elevated terrain
Width of street, height of buildings (optional)	
Sampling point location height above ground	2
Sampling point location horizontal distance from nearest building	86
Data communication	<input type="checkbox"/> WiFi <input checked="" type="checkbox"/> GSM
Location description	Location is a part of local air quality network of Zagreb City
Reference instrumentation	<input type="checkbox"/> PM2.5 <input checked="" type="checkbox"/> PM10 <input type="checkbox"/> NO2 <input type="checkbox"/> O3 <input checked="" type="checkbox"/> other : <input type="checkbox"/> none
Description of positioning of sensorbox to reference monitors	<input checked="" type="checkbox"/> Roof top <input type="checkbox"/> Side <input type="checkbox"/> other :
Google earth (surroundings, radius 500 m)	Photo 
Other remarks	

