

track and trace

ecodriving

freight & fleet management

navigation and LBS

eCall & bCall

road charging

infotainment

pay-as-you-drive insurance/leasing

DATEX as a deployment enabler the case of parking in Belgium



20.05.2014

enforcement

mobile mapping

public transport management

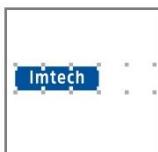
payment systems

mobility information

variable message signs

traffic sign database

incident detection



ITS = Traffic Technology + Mobile Solutions



Public-private cooperation



- LED/VMS = dashboard/smartphone
- Public & private policies in sync
- New form of PPP
- Open data essential
 - Legally required
 - Good for business

ITS Directive (2010/40/EG) - 6 priority actions



1. EU-wide multimodal travel information services
2. EU-wide real-time traffic information services
3. Minimum universal safety-related traffic information free of charge to users
4. Interoperable EU-wide eCall
5. Information &
6. Reservation services for secure parking for trucks

Essence (see Annex directive)



1. EU-wide multimodal travel information services:
 1. **availability and accessibility of real-time travel data** by authorities to private service providers
 2. on **electronic basis**
 3. timely updating by authorities
 4. timely updating by private service providers
 5. based on European specifications
2. EU-wide real-time traffic information services
 1. **availability and accessibility of real-time traffic data** by authorities to private service providers
 2. on **electronic basis**
 3. timely updating by authorities
 4. timely updating by private service providers
 5. based on European specifications

ITS.be working groups



- Parking
- (Secure) Truck Parking
- Public transport information
- Traffic information
- *eCall*
- *Road charging*



Open data standards

1. Which data
2. Format
3. *Open data portal & search function*
5. *Applications generating content*
6. *Applications consuming content*
7. Licence models
8. Quality



From offering content

ITS ParkingApp 2.8 (C:\1. ITS B 20111005\2. Activities\Working groups\Parking\Sven\20130204 - latest\20120208 Published data\ParkingData%20(2)%20-%20Gent_20121...

Bestand Taal Help

Overheden

Mobiliteitsbedrijf Stad Gent

Operatoren

P Parking

Straat parkeren

Toegangen

Parkeergeleiding

Parkeergeleidingsboodschap

Abonnementen

Tarieven

Kalender

Parkeerroutes

P1 Vrijdagmarkt - primaire invalsw...

Details Overzicht Portaal

Map Satellite

Overhede

Operatore

Parking

Parkeern

Straat

Toegange

Parkeergeleidin

Selecteer Selecteer Vernieuw

The map displays the city of Gent with various roads, canals, and landmarks. It highlights several parking areas (P) and routes (red lines). Key locations labeled include Mariakerke, Brugsesteenweg, Gasmeterlaan, Nieuwevaart, Blaianoest, Handelsdok, Muide-Meulestede-Afrikaalaan, Sint-Amandsberg, and Dendermonde. Major roads like R4, N9, N430, N458, N424, N70a, N70, N445, and N422 are shown. A legend at the bottom indicates symbols for Overhede (blue square), Operatore (green square), Parking (blue P), Parkeern (green P), Straat (yellow line), Toegange (red line), and Parkeergeleidin (orange line).



Log in Register



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parking



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parking information

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Parking details Antwerp

Followers

4

Organization



Parking details Antwerp

These are the parking details taken from the ITS Broker portal

Data and Resources



[parkingdata-antwerpen-20131107-itps.xml](#)

No description for this resource

[Explore](#)

Antwerp Antwerpen parking

Additional Info

To mobile app

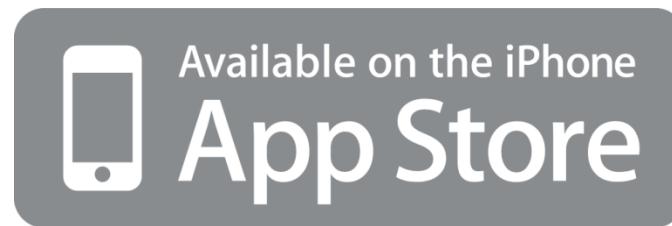
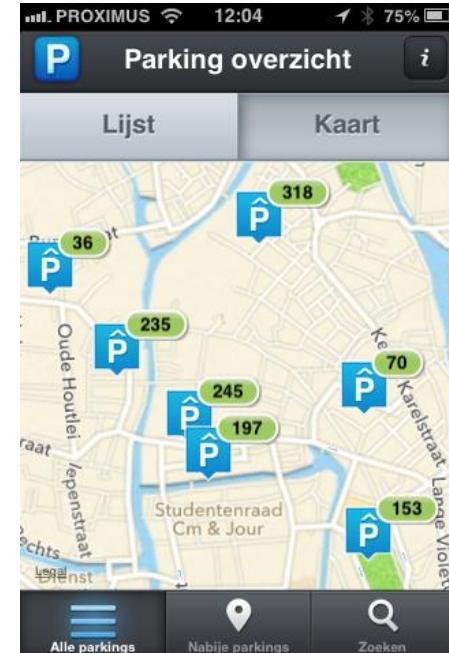


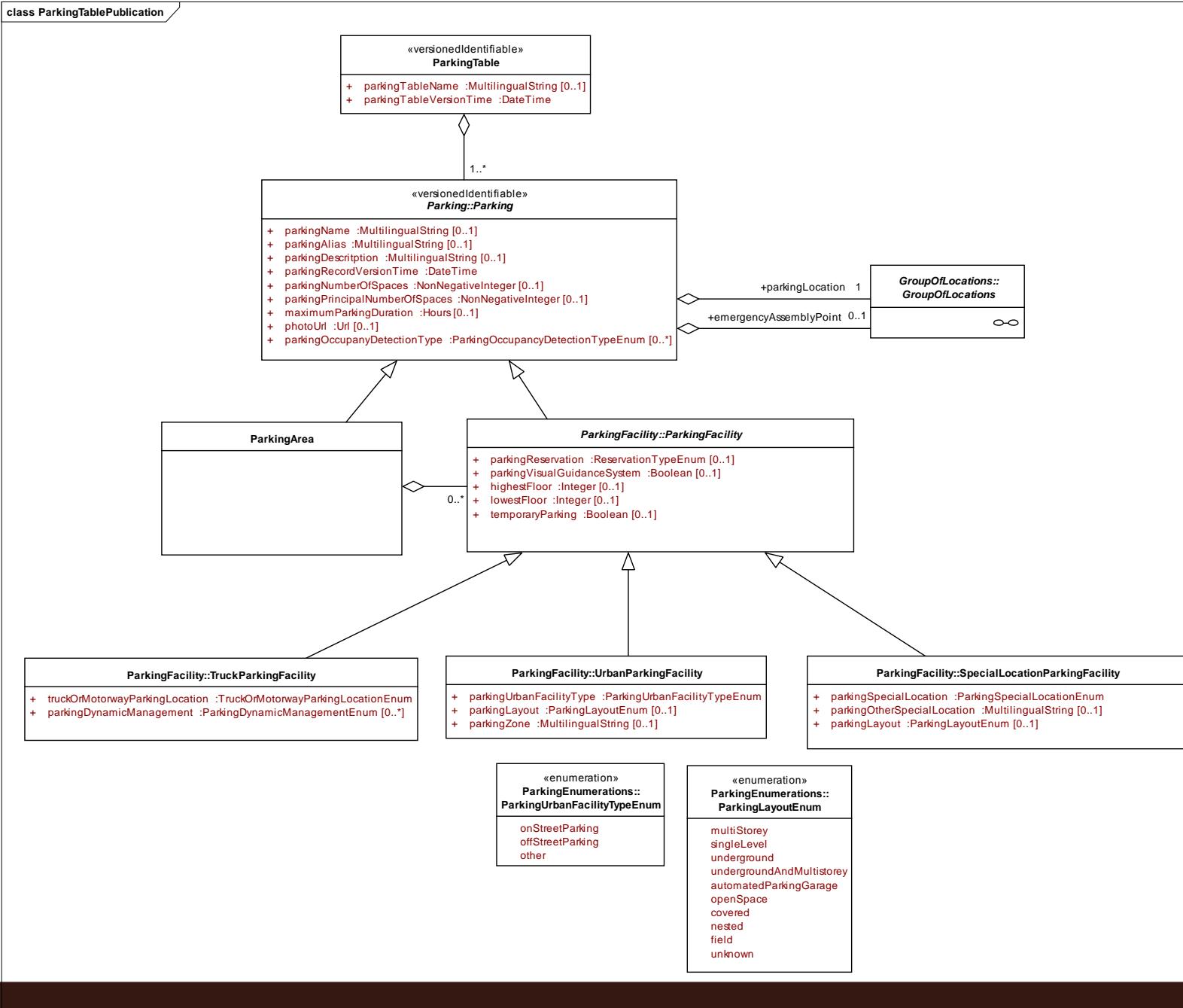
Parkeren	
Zandpoort P1	468
300 m	
Zandpoort P2	VOL
300 m	
Leermarkt	025
600 m	
Q-Park Lamot	135
600 m	
Europarking	VRIJ
700 m	
Centerparking	X
700 m	
Grote Markt	
900 m	

P Overzicht parkings *i*

Lijst	Kaart
P Centerparking P06	vrij 230
P Kouter P05	vrij 376
P Kouterpoort P04	X
P Ramen P08	vrij 95
P Reep P02	vrij 312

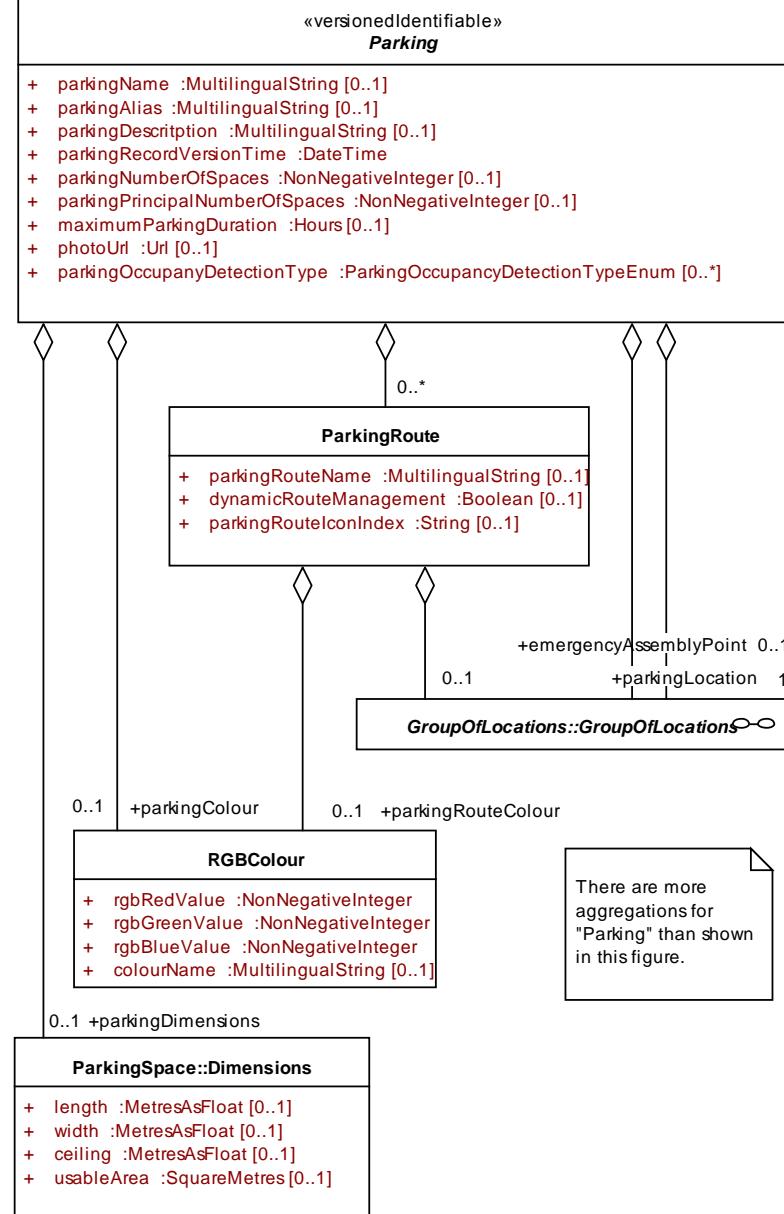
Alle parkings **Nabije parkings** **Zoeken**







class Parking



Conclusions



- Open data allows to (roughly) double the value of monitoring investments
- ITS directive & standardisation (European legislation& standards)
- All concerns must be addressed - open dialogue between public & private sector necessary