



CIRCIE 2019

Challenges for the Islands in the era of the Circular Economy

The Sustainable Urban Mobility Plan (SUMP) for Limassol

Dr. Demetris Demetriou, Project Manager

Public Works Department

Under the auspices of



SMile 2019

6th Sustainable Mobility & Intelligent Transport conference





CirCIE 2019

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the Circular Economy**



under the auspices of



European Union
Cohesion Fund



REPUBLIC OF CYPRUS



Structural Funds
of the European Union in Cyprus

This project is co-funded by the European Union's Cohesion Fund
and the Republic of Cyprus



Public Works Department

Basic information about the SUMP

- ❖ **Contracting Authority: Public Works Department, Sustainable Mobility Section**
- ❖ **Consortium: PTV Transport Consult GmbH (Germany), PTV Planung Transport Verkehr AG (Germany), Tredit S.A. (Greece) and A.L.A. Planning Partnership Consultancy L.L.C (Cyprus)**
- ❖ **Contract budget: €630.860,000**
- ❖ **Launch of the project: 13 March 2017**
- ❖ **End of the project 13 June 2019**

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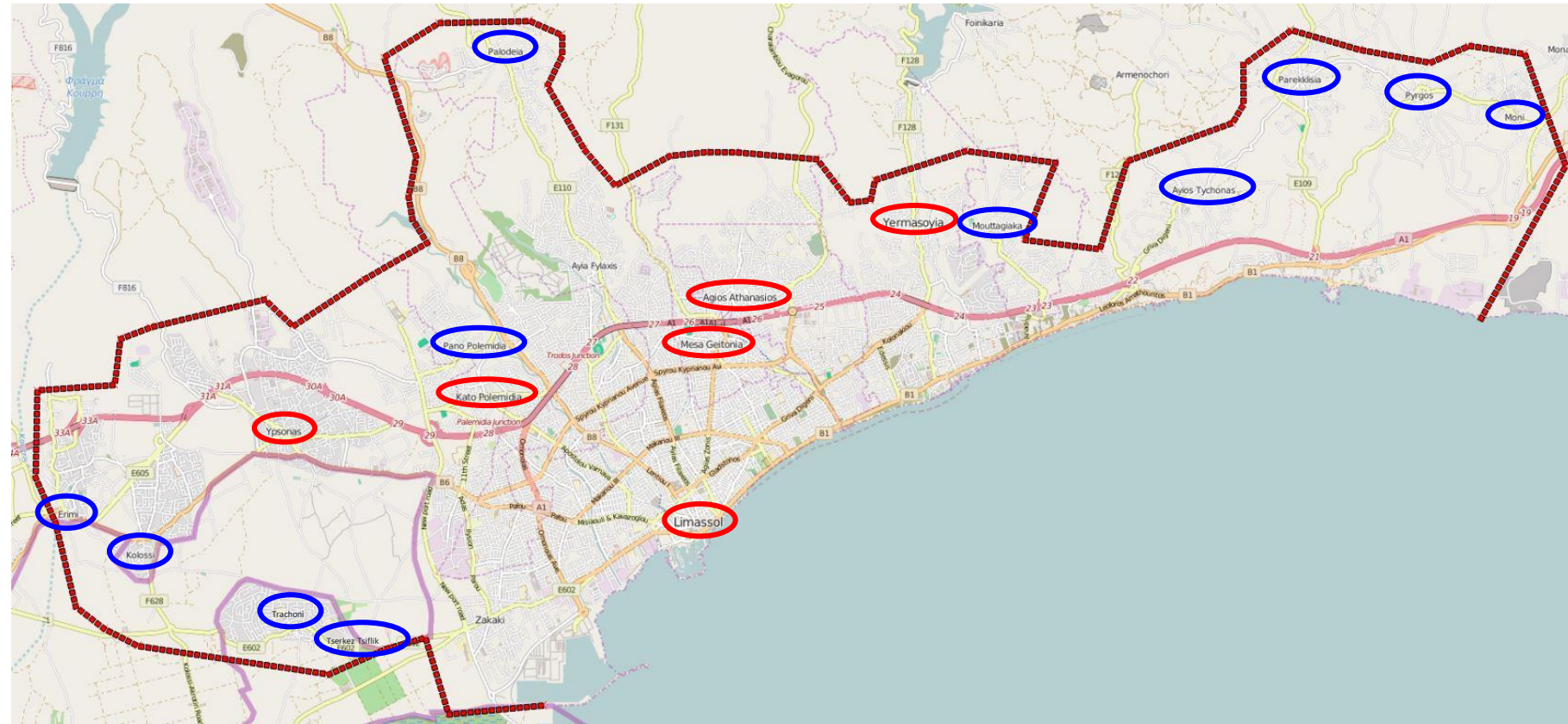


Study area

❖ **Greater Area:
6 Municipalities and
11 Communities**

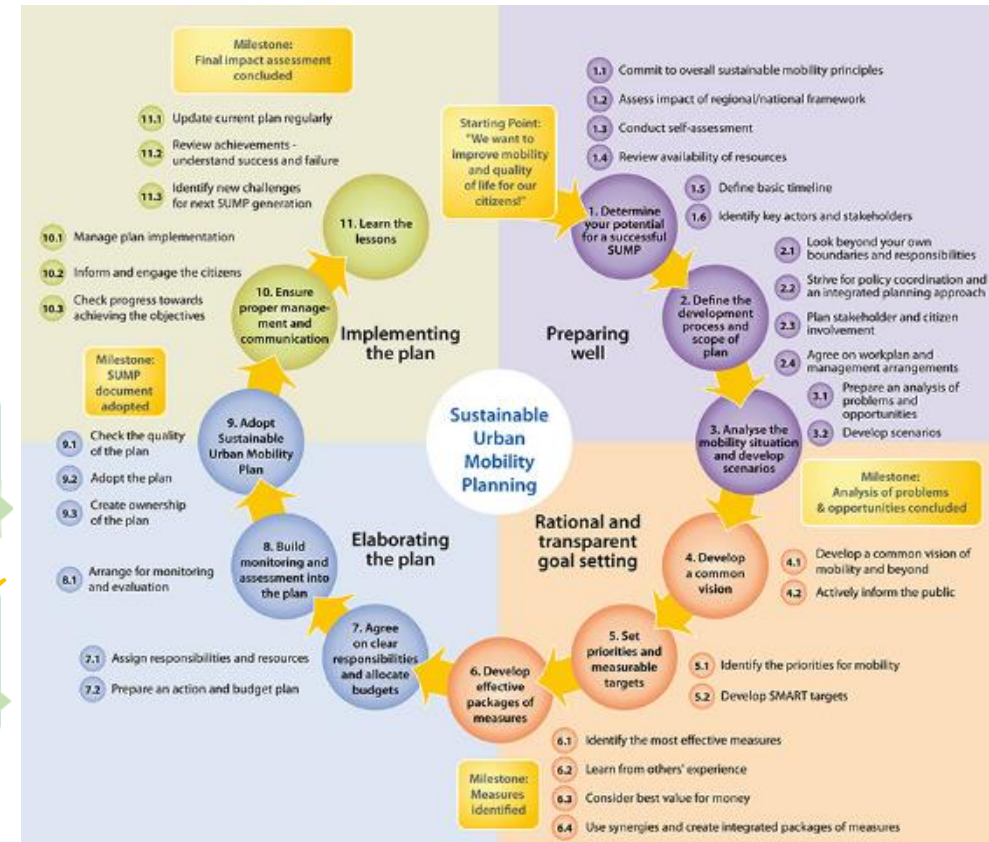
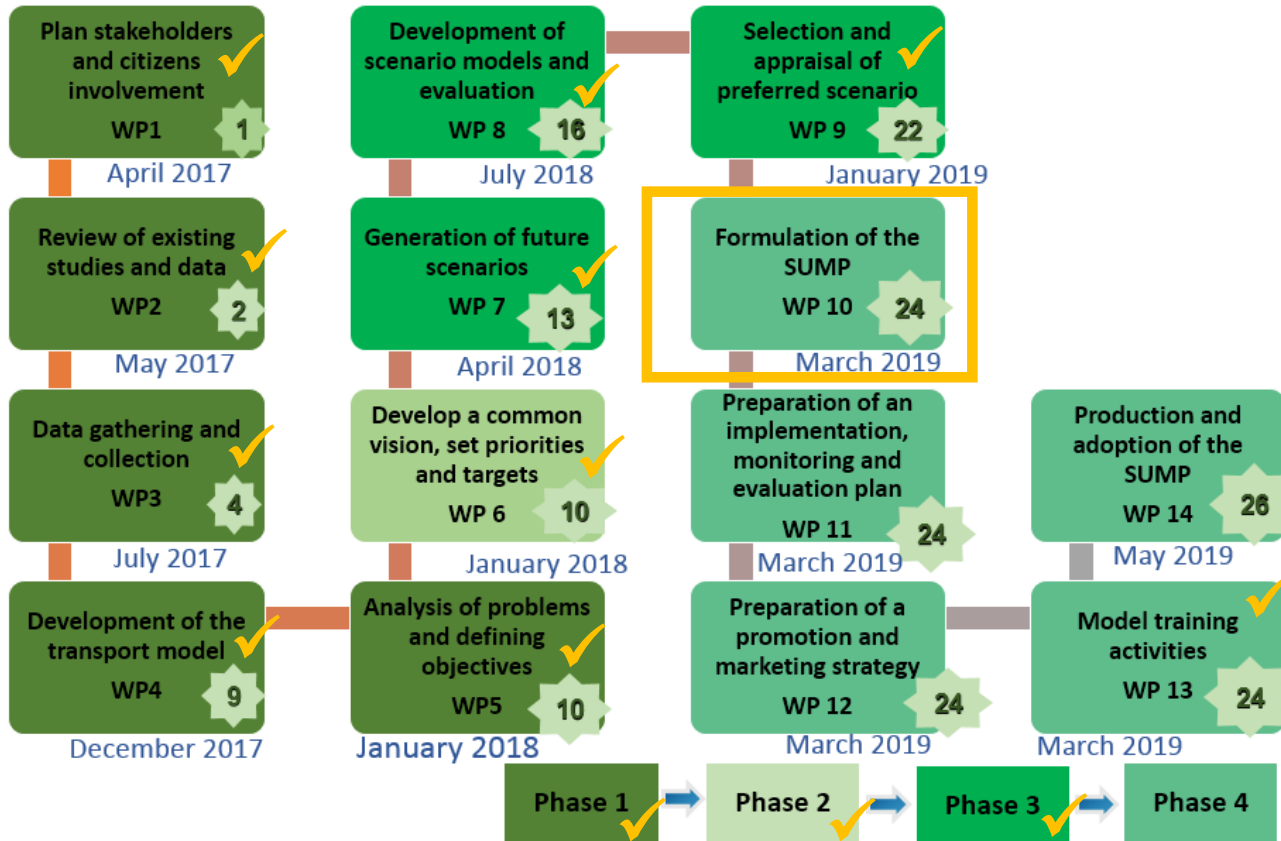
❖ **Population:
207,000 - 70,000 households**

❖ **Limassol Municipality:
101,000**





The work packages and project timeline





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Key aspects for consideration

❖ *Public transport*

❖ *Pedestrian network*

❖ *Cycle network*

❖ *Reallocation of road space in favour of SM*

❖ *Parking*

❖ *City centre traffic management*

❖ *Traffic safety*

❖ *Accessibility for specific target groups*

❖ *Freight logistics*

❖ *Intelligent transport systems (ITS)*

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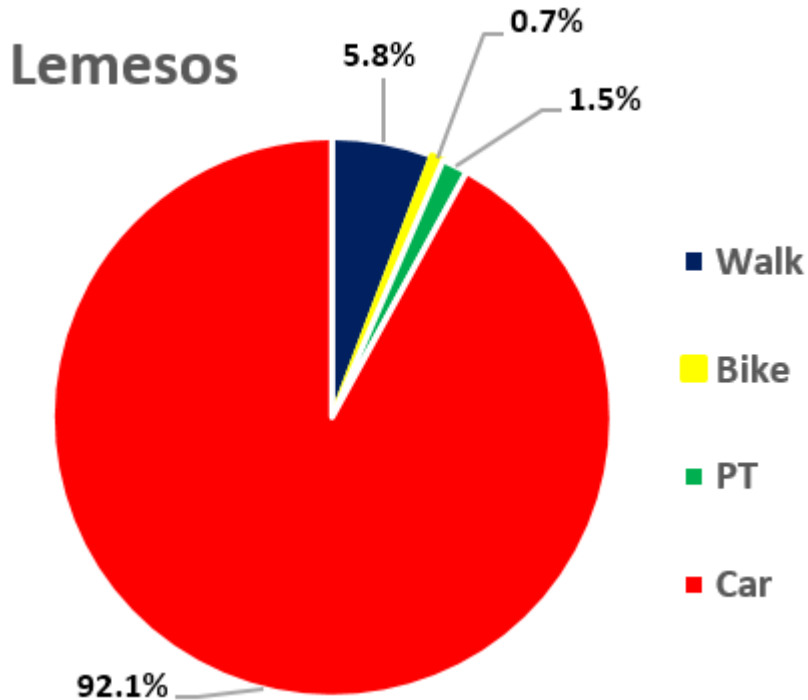
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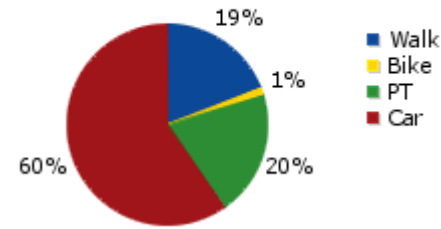


The current modal split

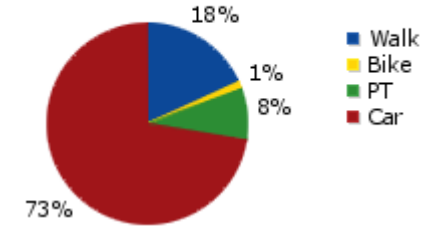
❖ *540,000 trips per day*



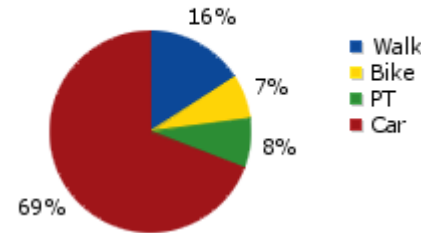
Trieste



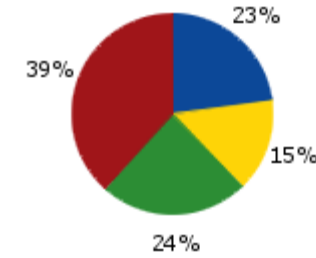
Messina



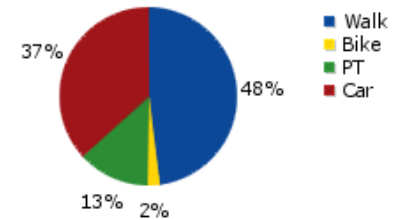
Livorno



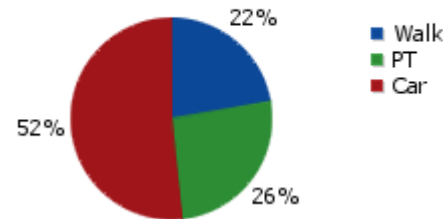
Ravenna



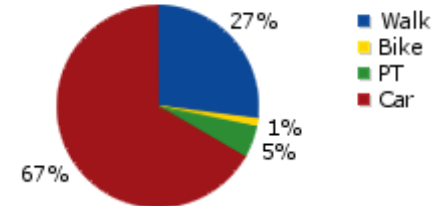
A Coruña



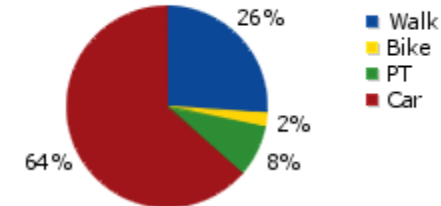
Porto



Touion



Montpellier



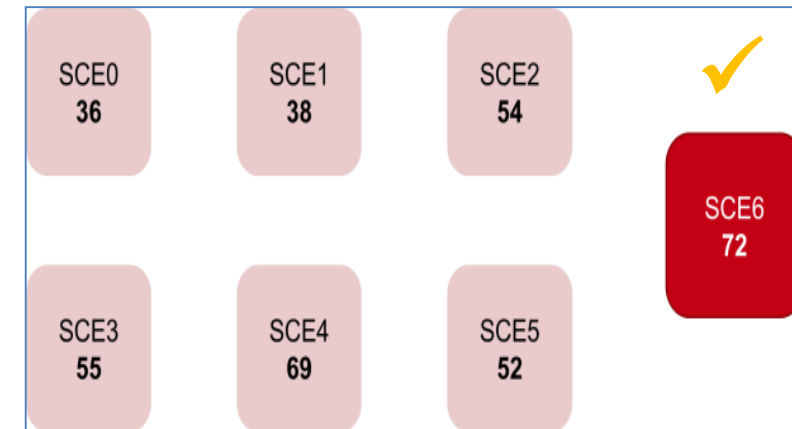


Evaluation of 6 scenarios

Strategies		Urban Policy Scenarios		
		I. Expected (Urban Sprawl)	II. Targeted (Incentives and policies)	III. Poly-Centric
Transport Mobility Scenarios	A. Improvement of car traffic	1		
	E. Combination of "the Sticks" / "the Carrots"			
	E.1 Combination - Moderate	2	3	5
	E.2 Combination - Advanced		4	6

- ❖ **A: Improving traffic conditions and selectively of car accessibility**
- ❖ **C: Improving the use of alternative modes of mobility ("the carrots")**
- ❖ **D: Restricting the use of cars ("the sticks")**
- ❖ **E1&E2: Combination of scenarios C&D ("the carrots" and "the sticks")**

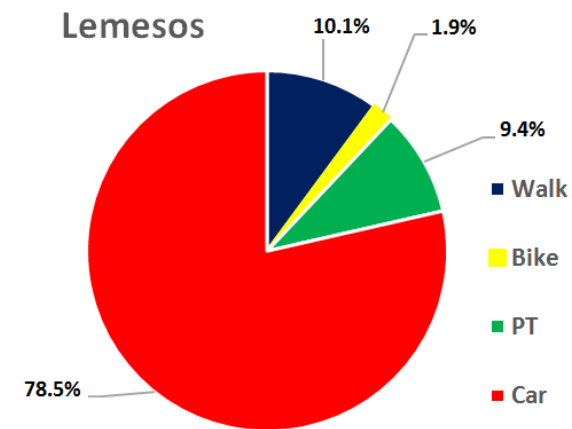
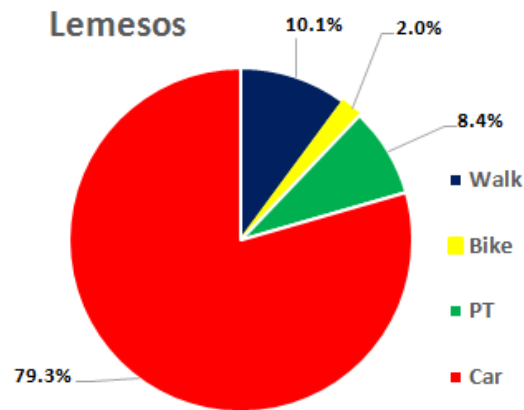
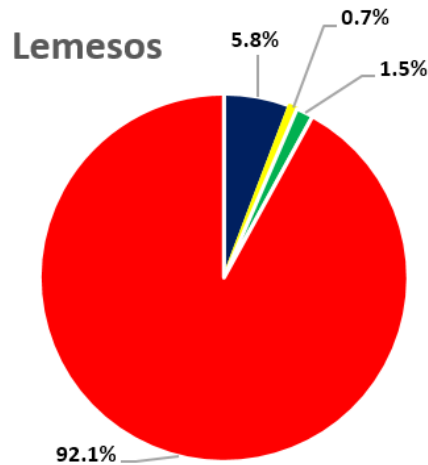
Output of the MCA





Can any scenario achieve the change?

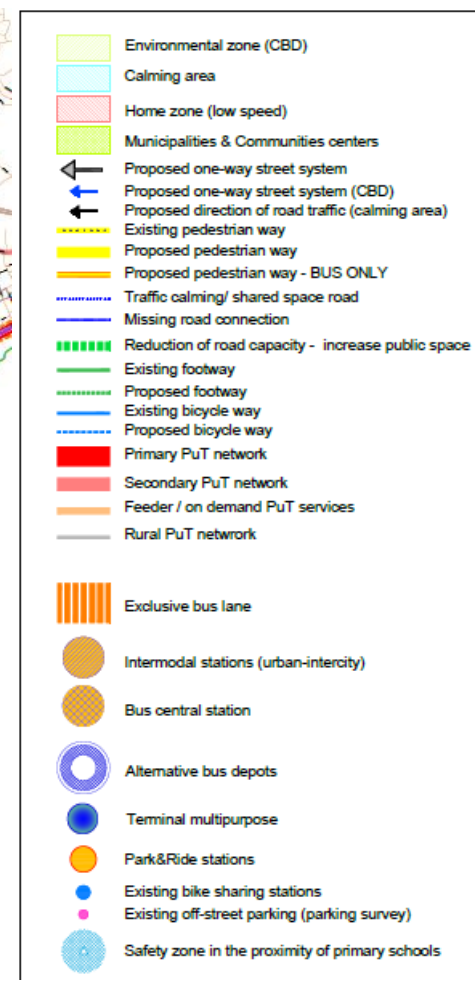
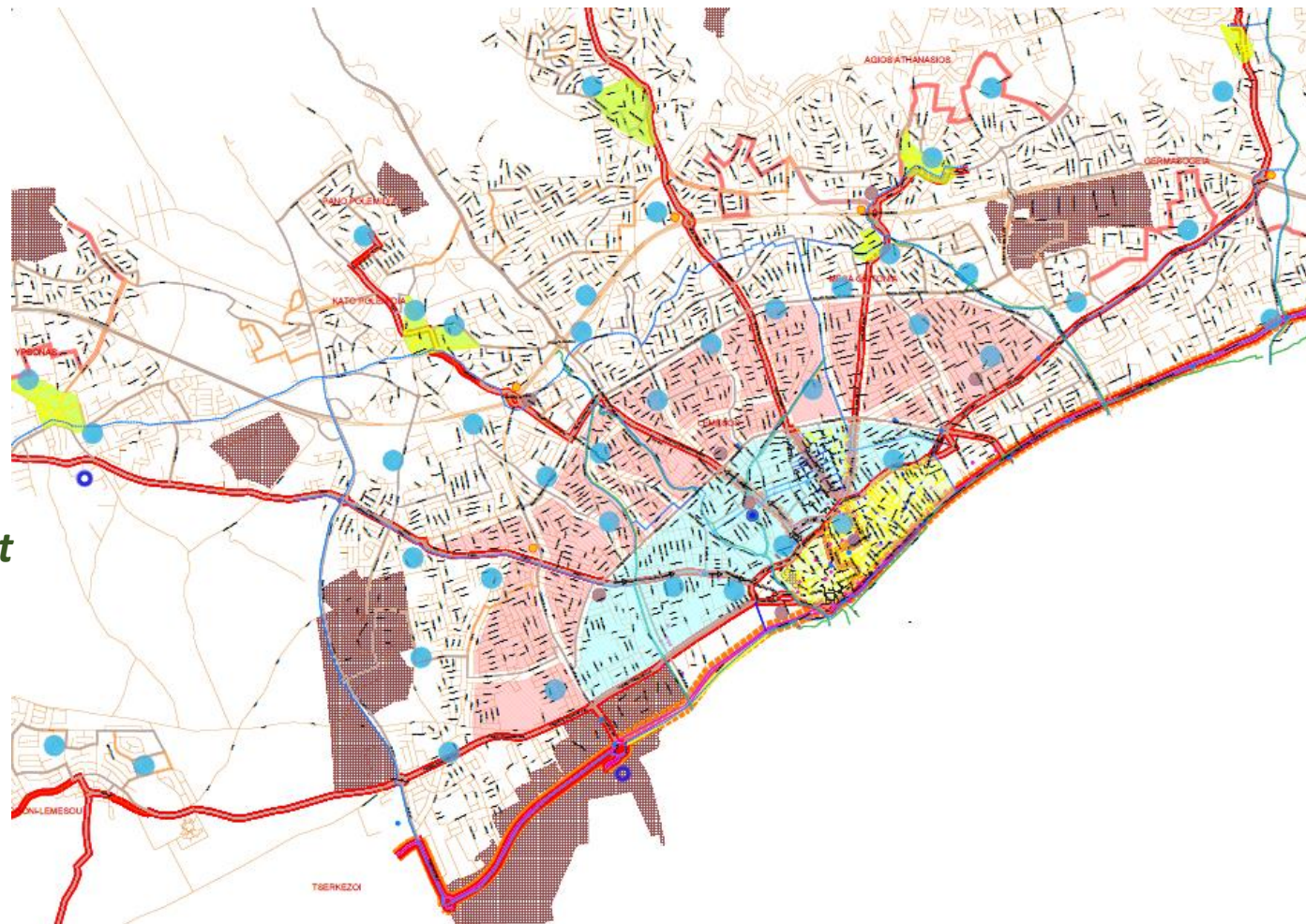
Mode Shares	Base Year	Scenario 0	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6 ✓
Car	91.8%	92.0%	91.7%	89.9%	90.0%	79.3%	89.8%	78.5%
Ped	5.7%	5.6%	5.8%	6.5%	6.4%	10.1%	6.6%	10.1%
PT	1.8%	1.7%	1.7%	2.6%	2.6%	8.4%	2.6%	9.4%
Bike	0.7%	0.7%	0.8%	0.9%	0.9%	2.0%	0.9%	1.9%





The preferred scenario

- ❖ *Public transport*
- ❖ *Pedestrian network*
- ❖ *Cycle network*
- ❖ *Reallocation of road space in favour of SM*
- ❖ *Parking*
- ❖ *City centre traffic management*
- ❖ *Traffic safety*
- ❖ *Accessibility for specific target groups*
- ❖ *Freight logistics*
- ❖ *Intelligent transport systems (ITS)*





Traffic management in the city Centre





Improve public transport services



PT network level	1	2	3
	Primary Bus Lines	Secondary Bus Lines	Feeder Lines / On Demand Services
Line 1			
Operation hours	05:30 am – 1:30 am		
Frequency	every 10 min		
All other bus lines			
Operation hours	05:30 am – 10:00 pm		
Frequency	every 10 min	every 10 min	every 10 min
Operation hours	10:00 pm – 12:00 am		
Frequency	every 10 min	every 20 min	every 20 min



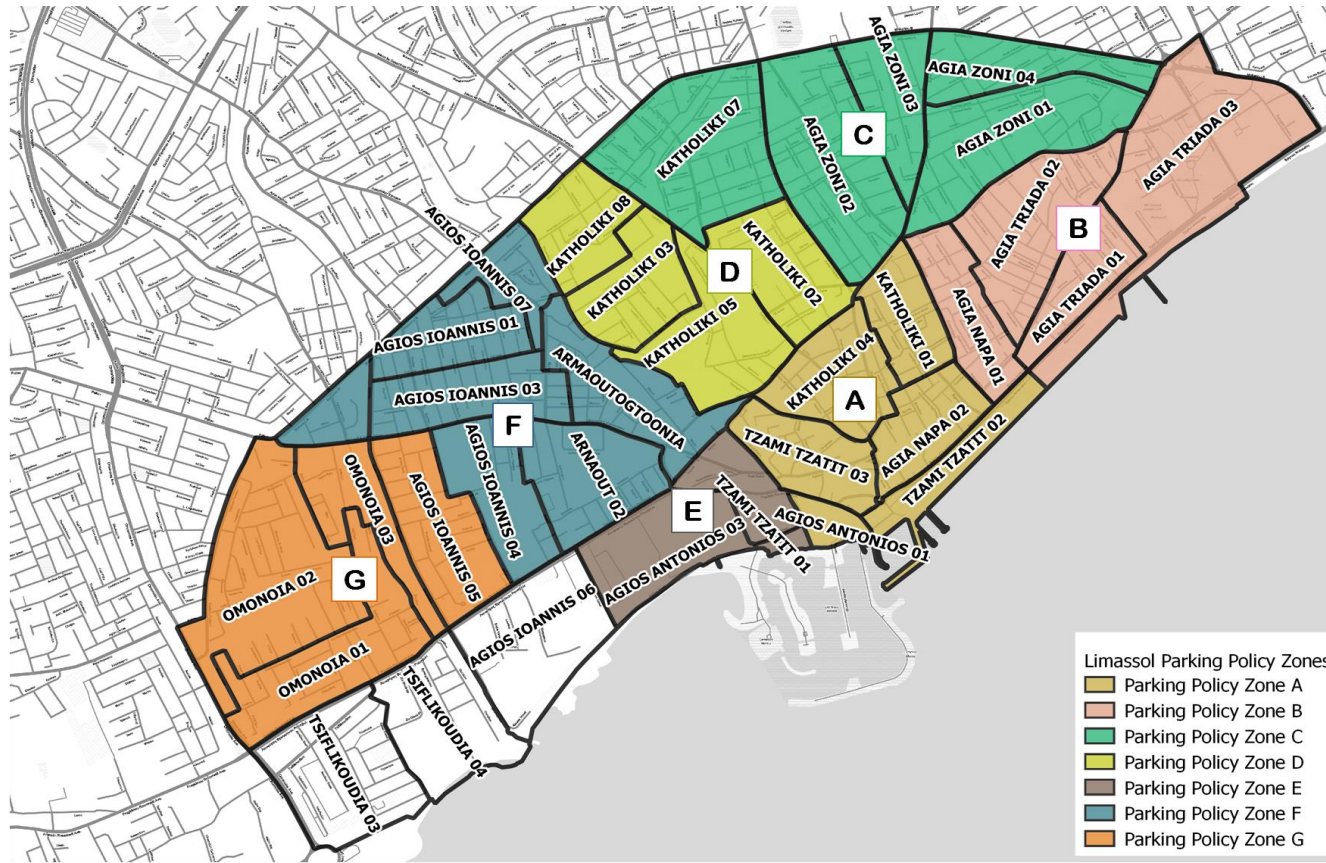


Integrated cycling network



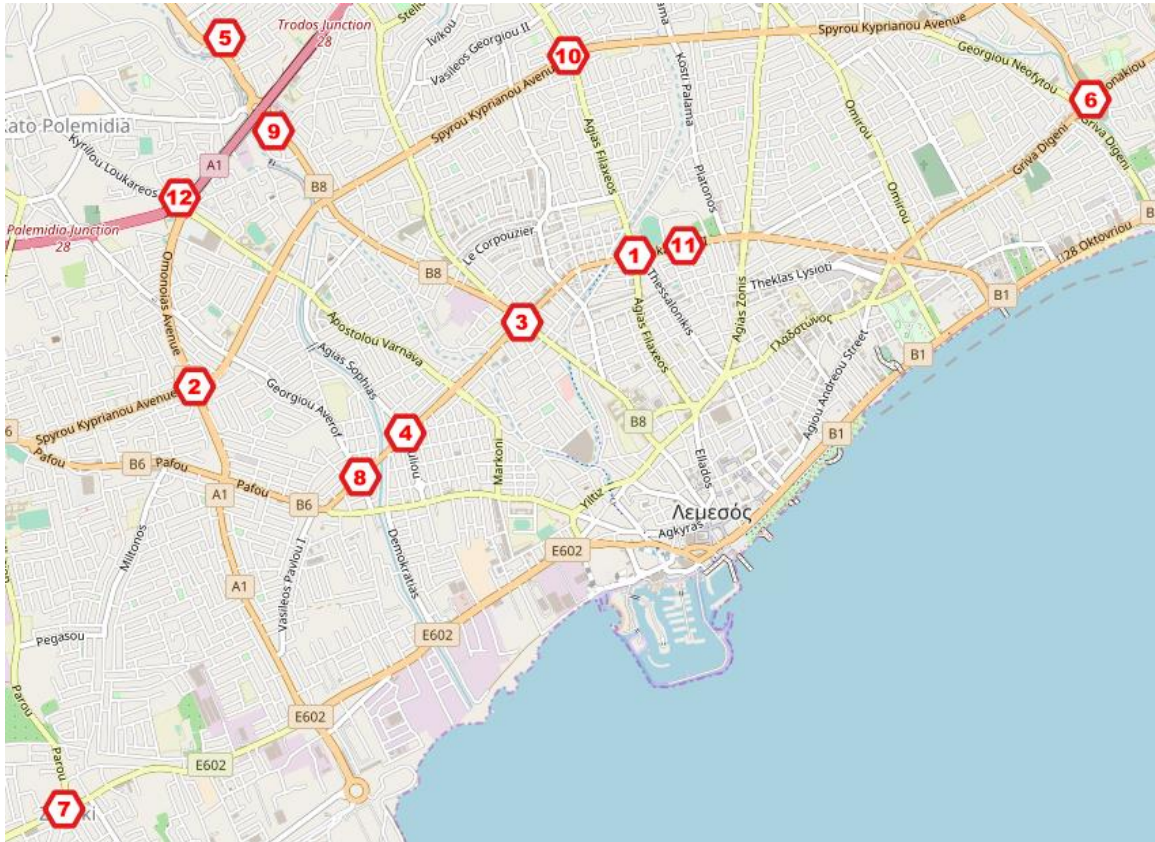


Integrated parking policy





Improve traffic safety

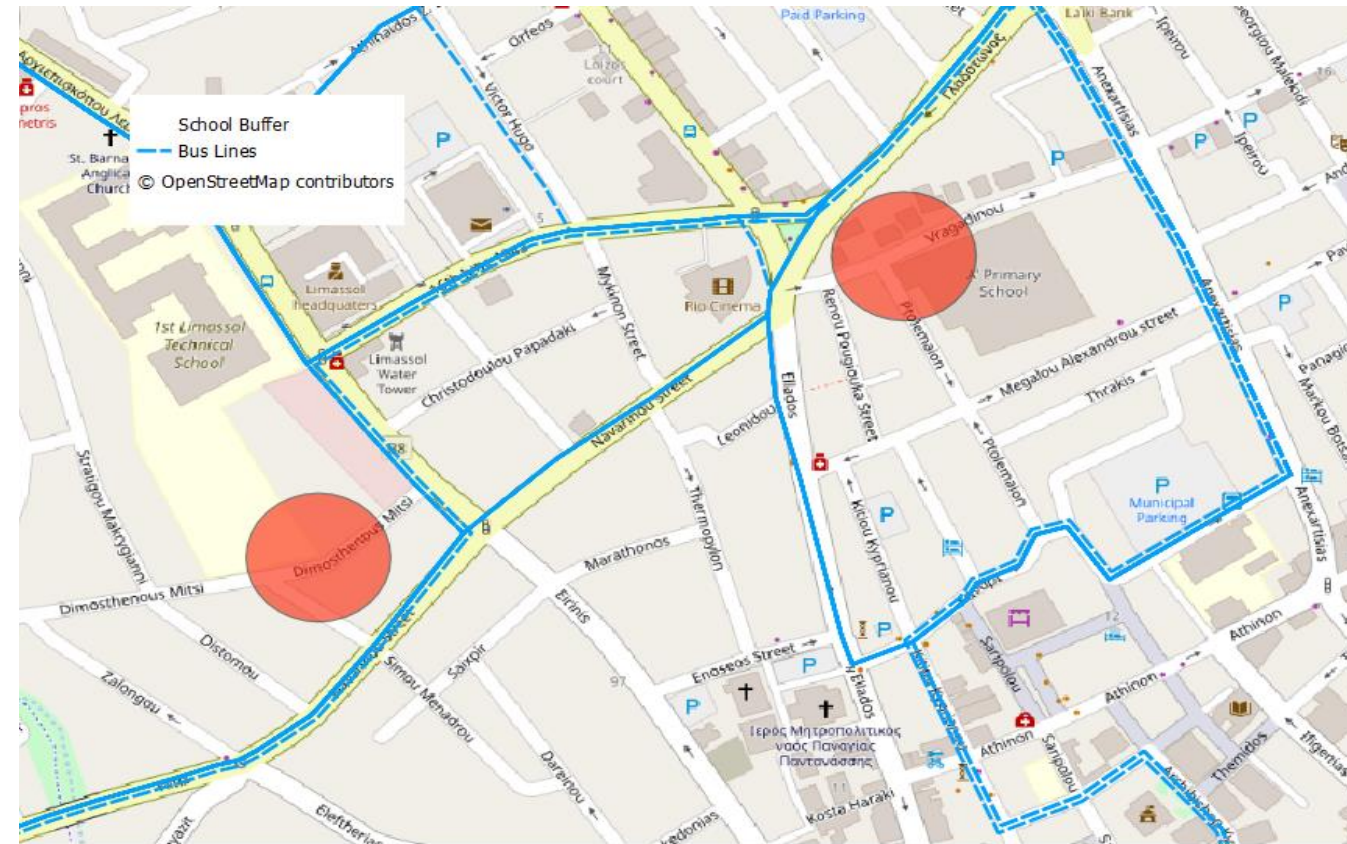


Years	Death	Serious injuries	Slight injuries
2014	9	155	182
2015	15	148	246
2016	11	169	232





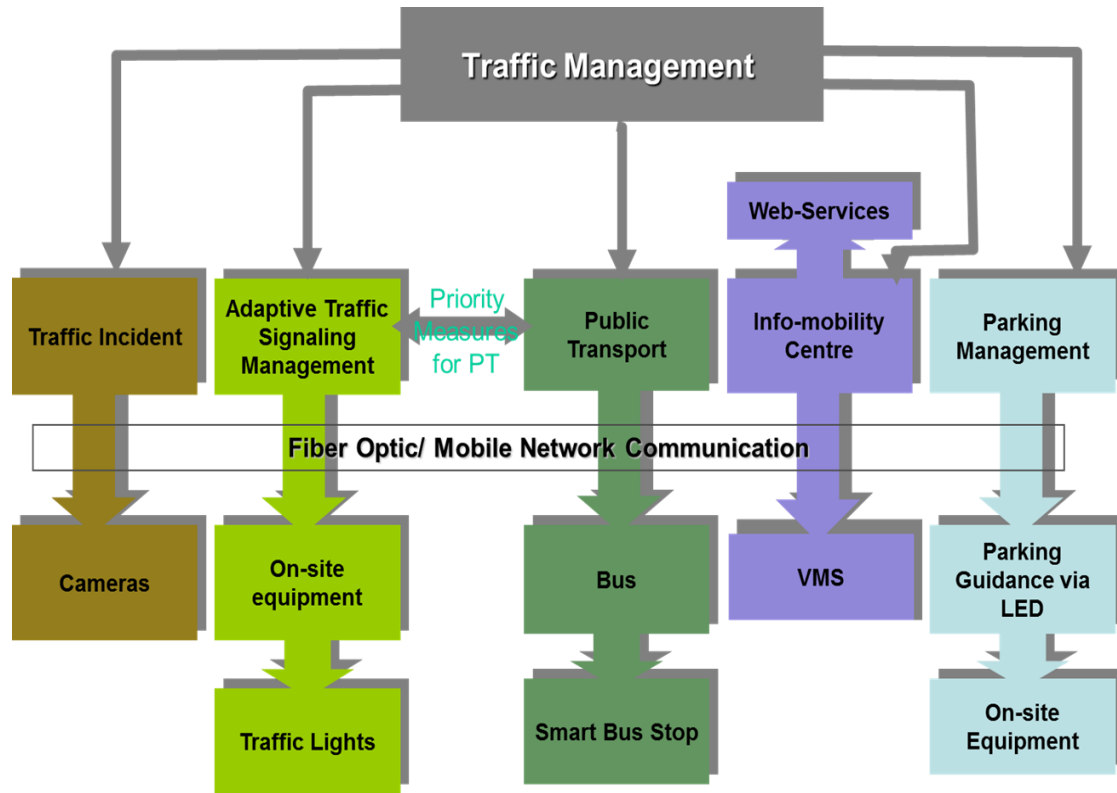
Improve accessibility for specific target groups



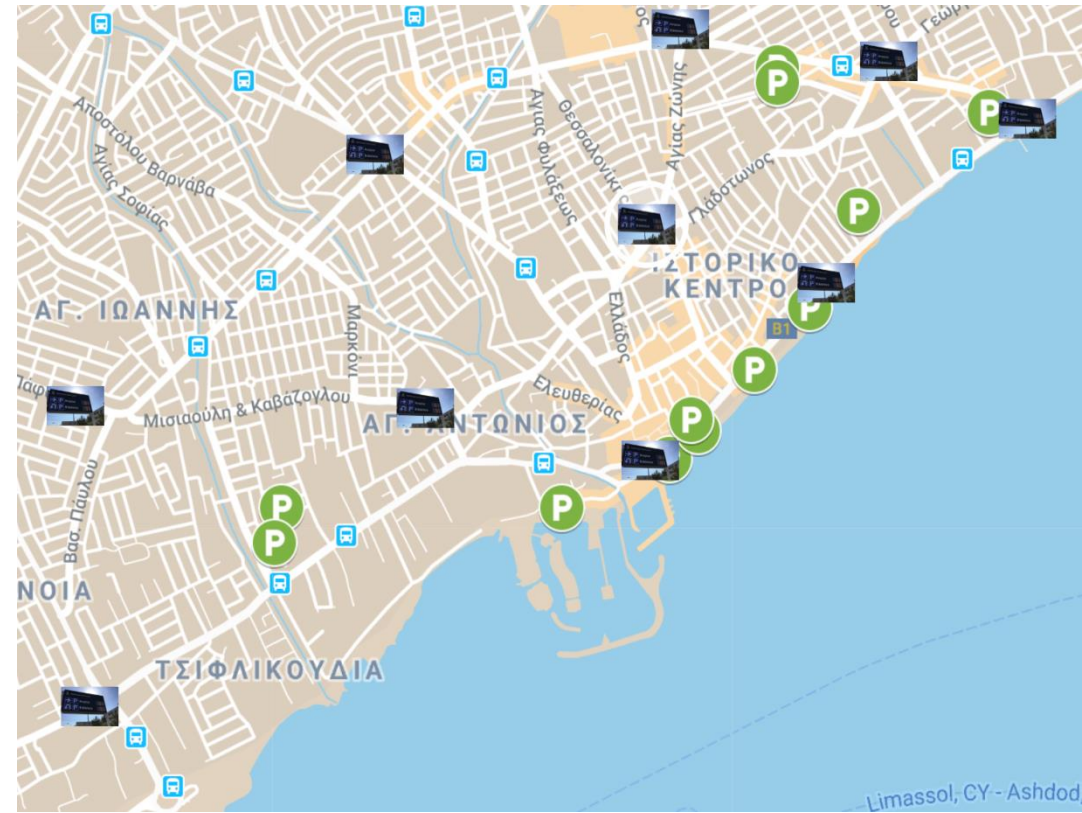


Intelligent transport systems

Integrated urban traffic management control centre



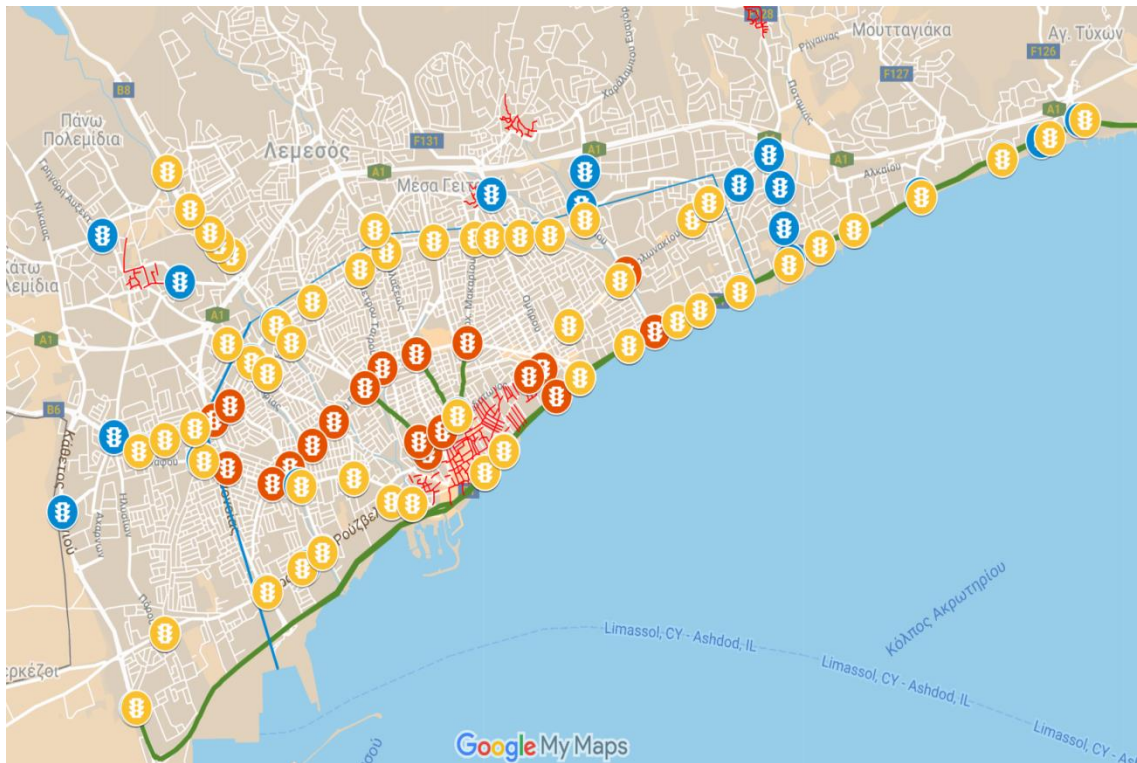
Parking guidance system



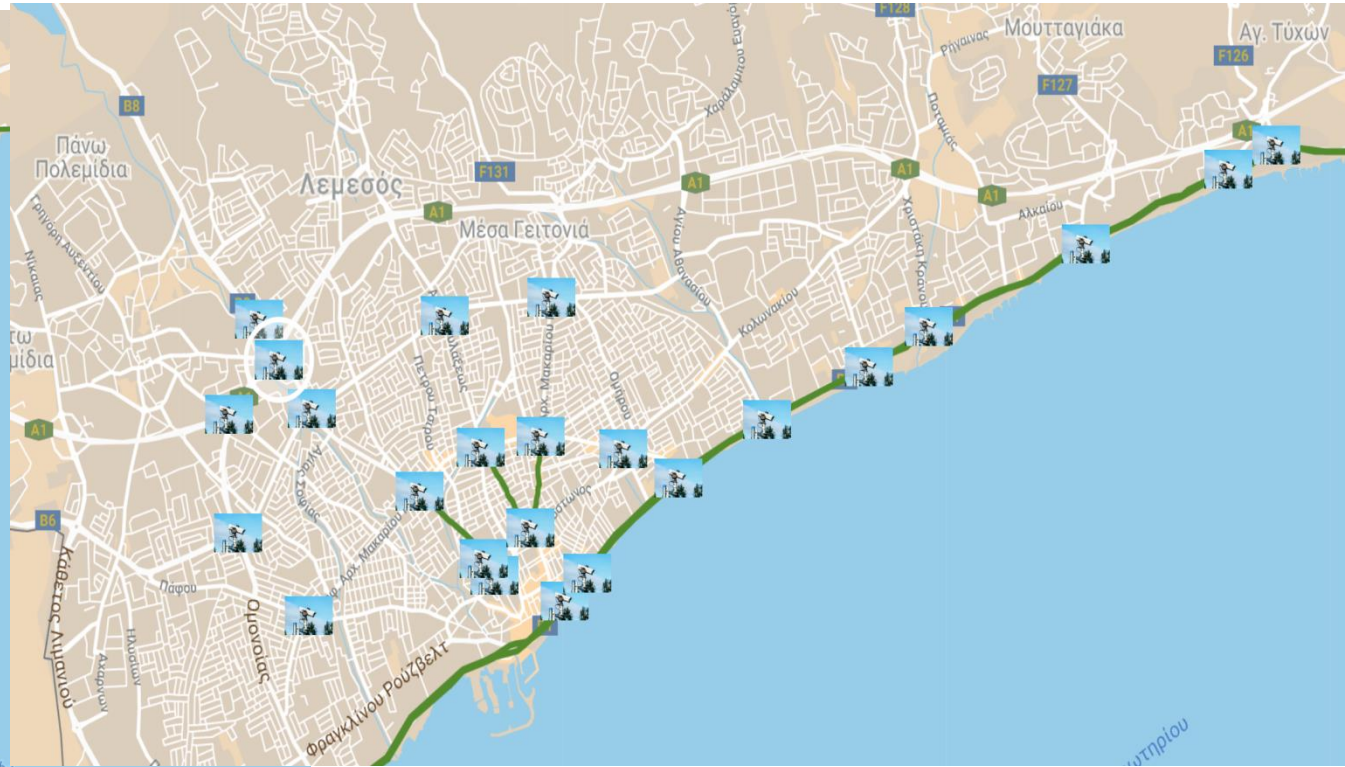


Intelligent transport systems

Upgrading of existing SCOOT system



CCTVs System



Thank you for your attention



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Thursday 28 - Friday 29 March 2019, Nicosia, Cyprus

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