

SUSTAINABLE MOBILITY IN CYPRUS

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- Land use and mobility planning
- Scattered competences and responsibilities
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- Road safety
- Air quality

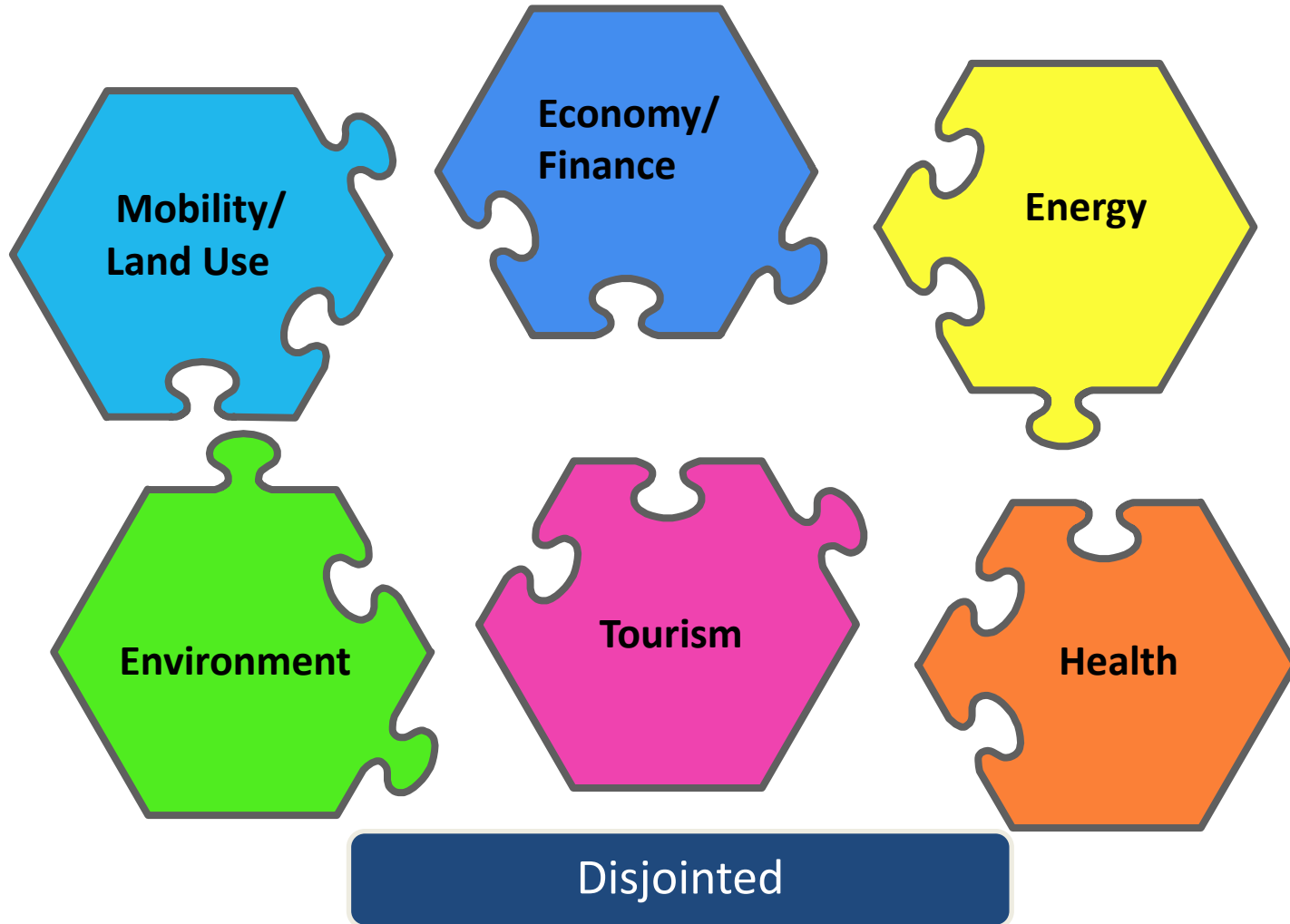
Confronting the Challenges

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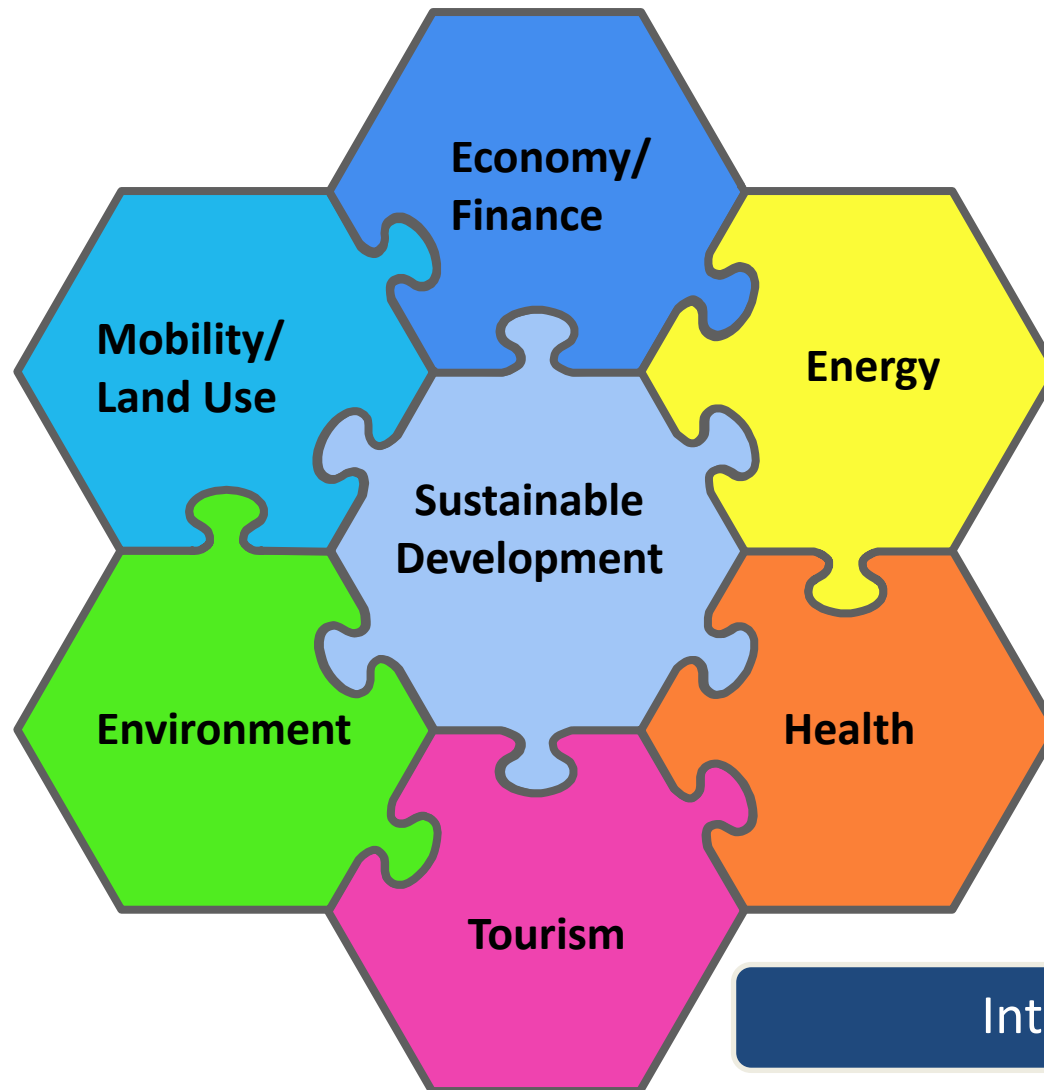


CHALLENGES FACED IN CYPRUS

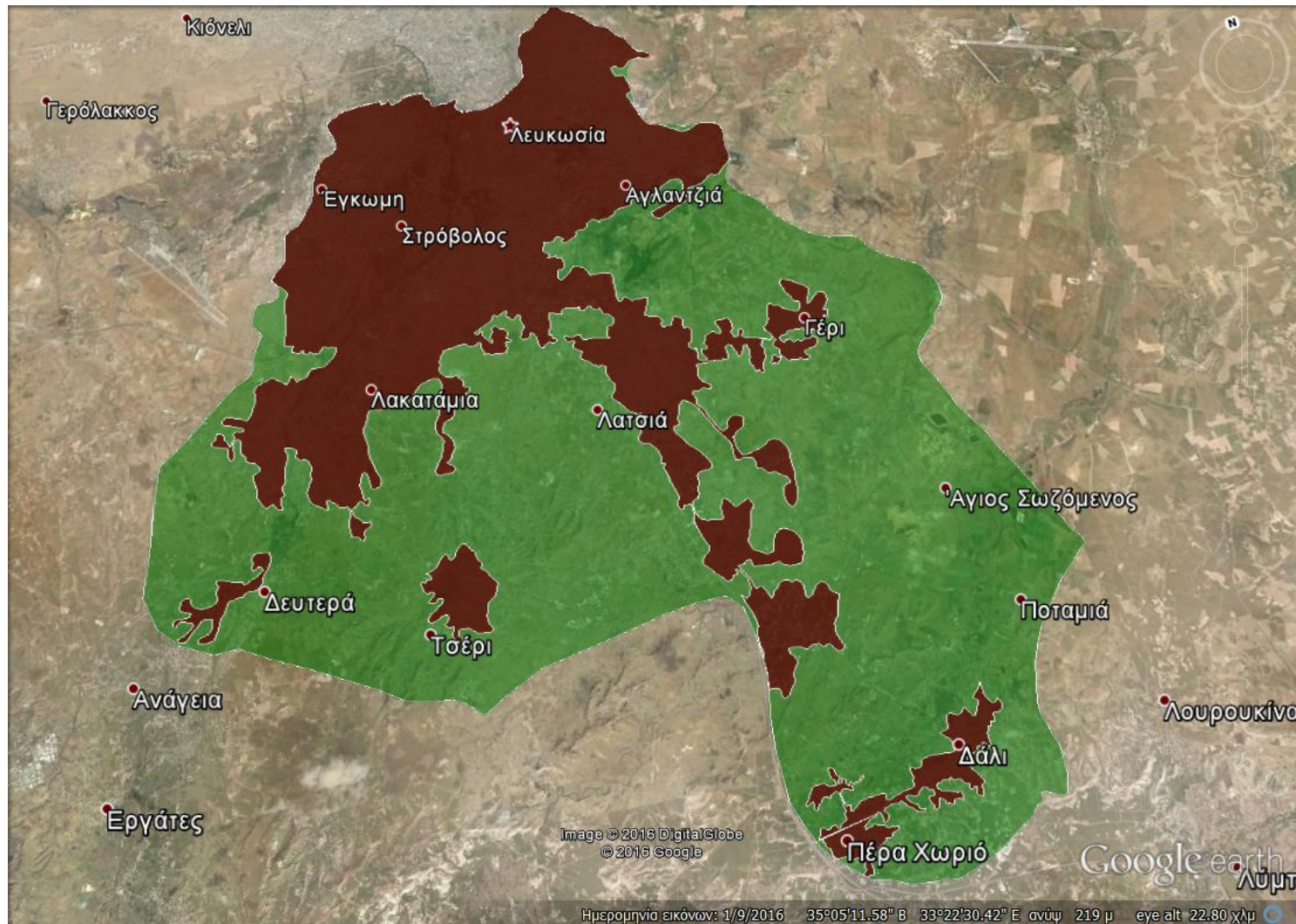
Integration of Sectoral Policies



Integration of Sectoral Policies



Land Use – Mobility Planning



Competences and Responsibilities



Traffic Bottlenecks



Driving Culture – Enforcement



Public Transport

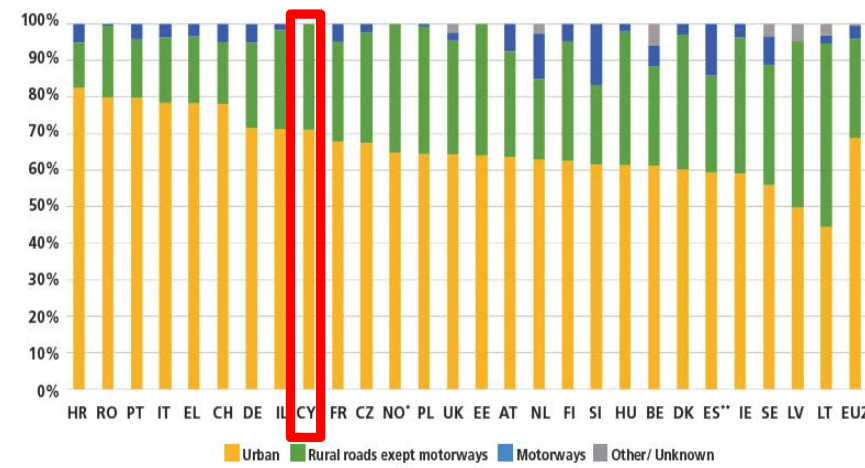
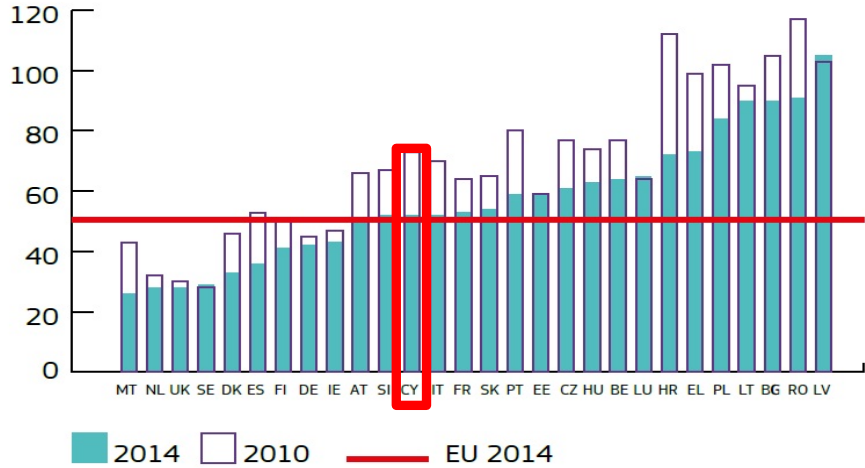


Walk/Cycle Infrastructure



Road Safety

FATALITY RATE PER MEMBER STATE FOR 2010 AND 2014



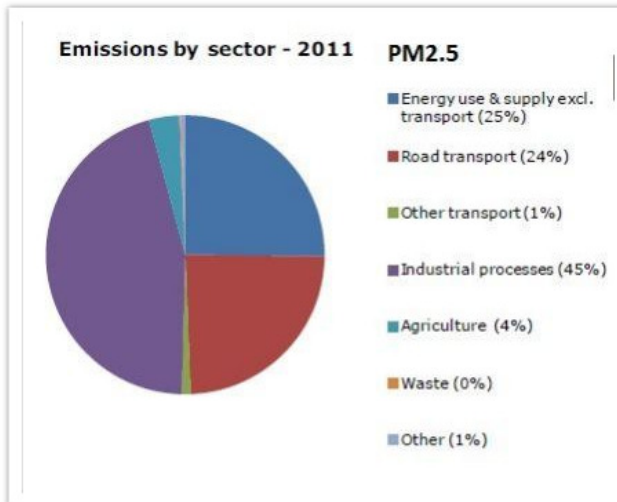
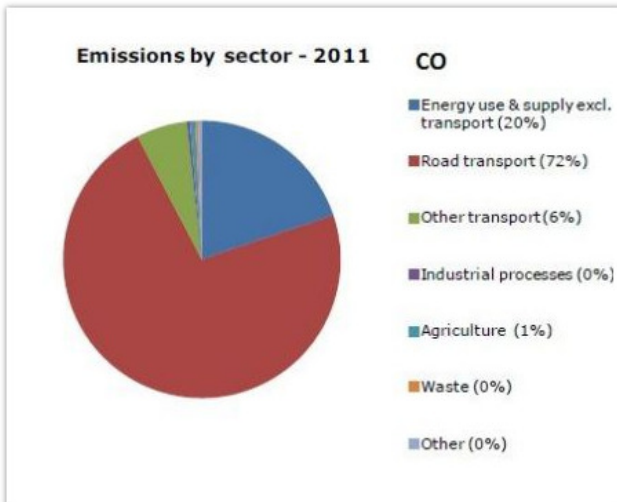
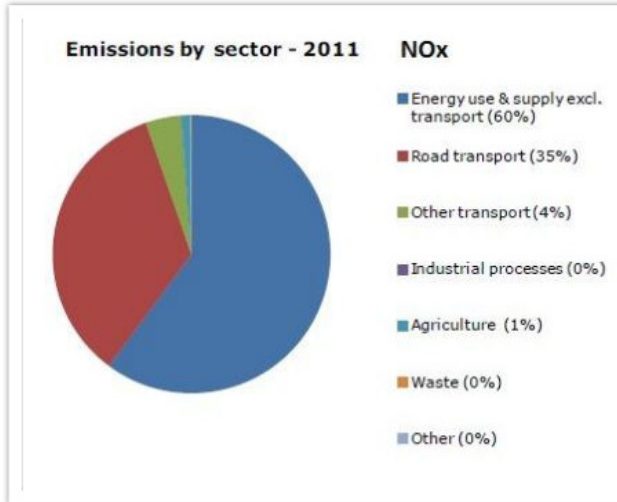
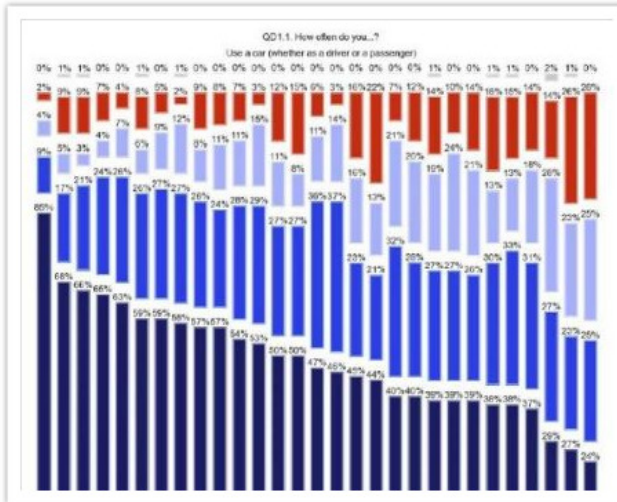
Road Fatalities Country Rankings

FATALITIES

			2013		
per million inhabitants		per 10 billion pkm		per million passenger cars	
SE	27	SE	24	SE	58
UK	28	UK	28	UK	59
NL	28	NL	33	NL	60
DK	34	DK	36	MT	71
ES	36	DE	37	ES	76
IE	41	IE	40	DE	77
DE	41	FI	40	FI	83
MT	43	FR	41	DK	85
SK	46	SI	50	IT	91
FI	47	ES	53	CY	93
CY	51	IT	55	AT	99
FR	51	EU-28	56	IE	99
EU-28	51	AT	61	FR	102
AT	54	LU	66	EU-28	105
IT	56	BE	66	SI	117
HU	60	EE	72	LU	125
SI	61	CY	74	EE	132
PT	61	LT	77	BE	132
EE	61	PT	78	SK	136
CZ	62	MT	79	CZ	139
BE	65	EL	91	PT	142
EL	80	SK	92	LT	144
BG	83	CZ	101	EL	170
LU	83	HU	114	PL	176
HR	86	BG	117	HU	196
LT	87	HR	141	BG	210
PL	88	LV	153	HR	254
LV	89	PL	158	LV	286
RO	93	RO	232	RO	405



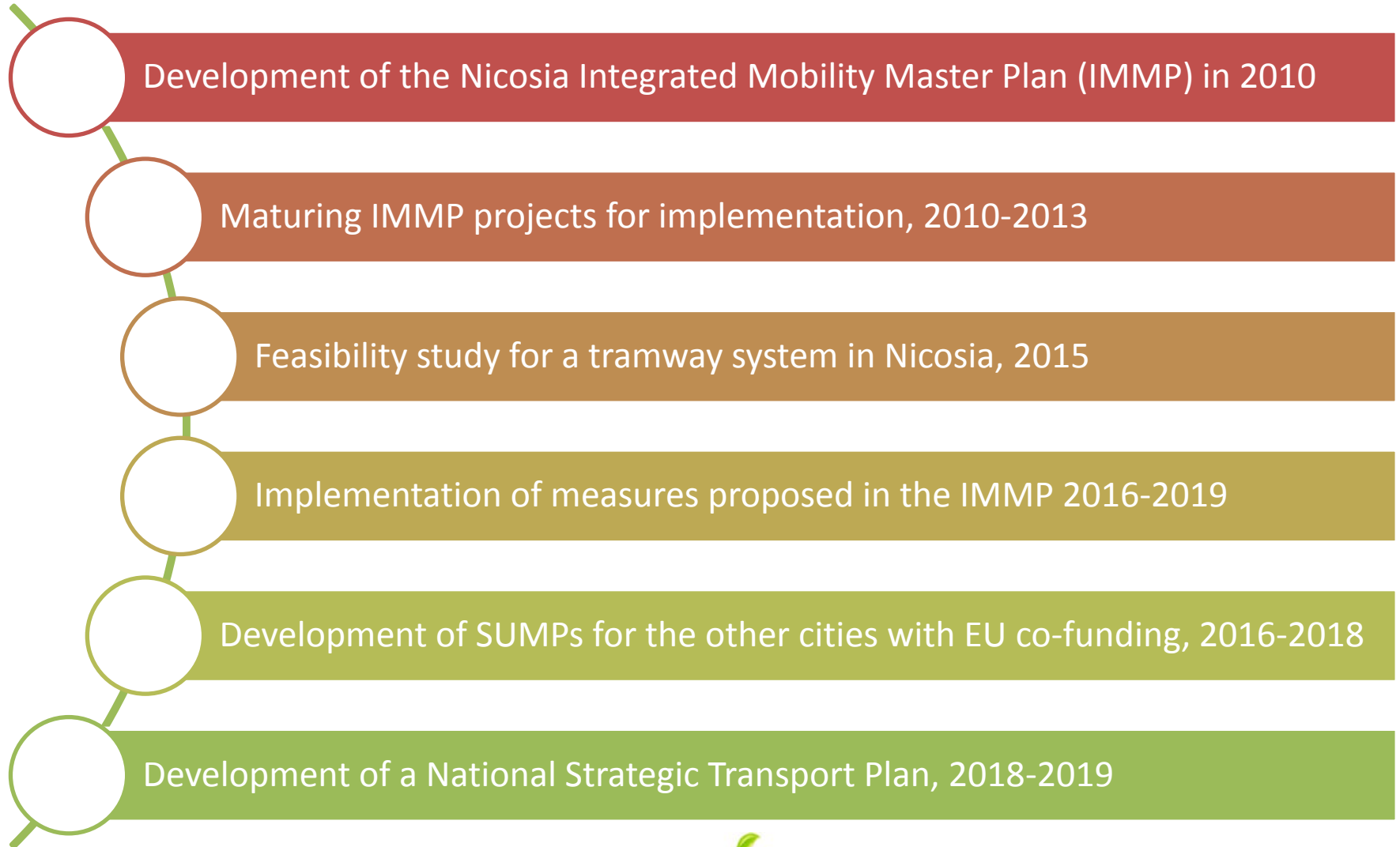
Air Quality



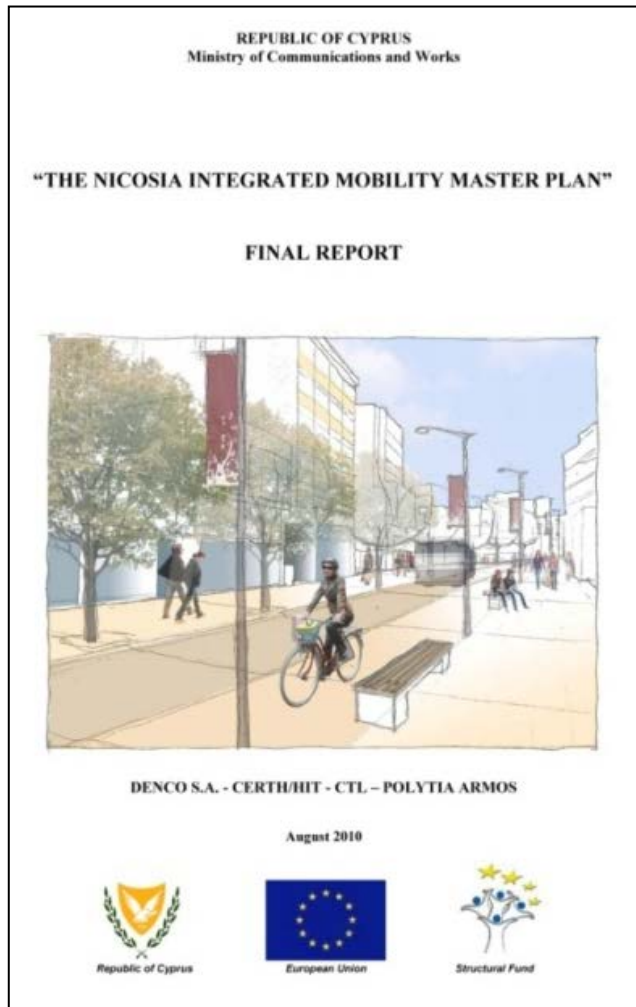


CONFRONTING THE CHALLENGES

Sustainable Mobility Milestones in Cyprus



The Nicosia Integrated Mobility Master Plan



Achieve a Polycentric Spatial Development

Develop a proper PT network

Improve the quality of the PT Service

Make cycling a major transport mode for short and medium length trips

Create a pedestrian friendly Nicosia

Balance the role of the car

The Nicosia Integrated Mobility Master Plan

Recommendations

Road network

Bus network

Cycle network

Pedestrian infrastructure interventions

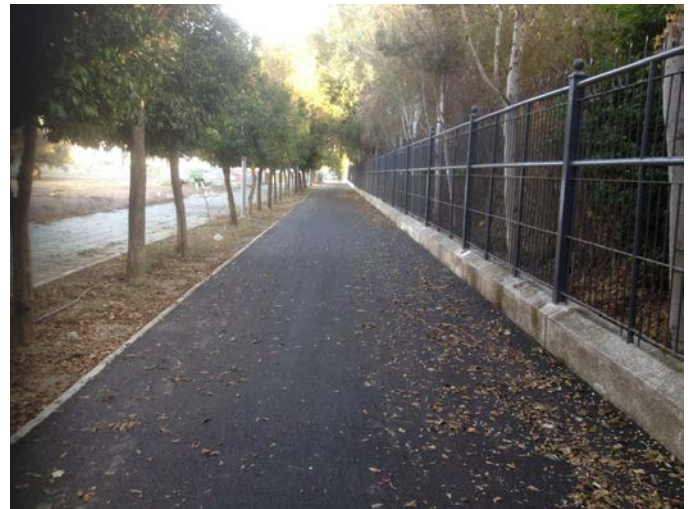
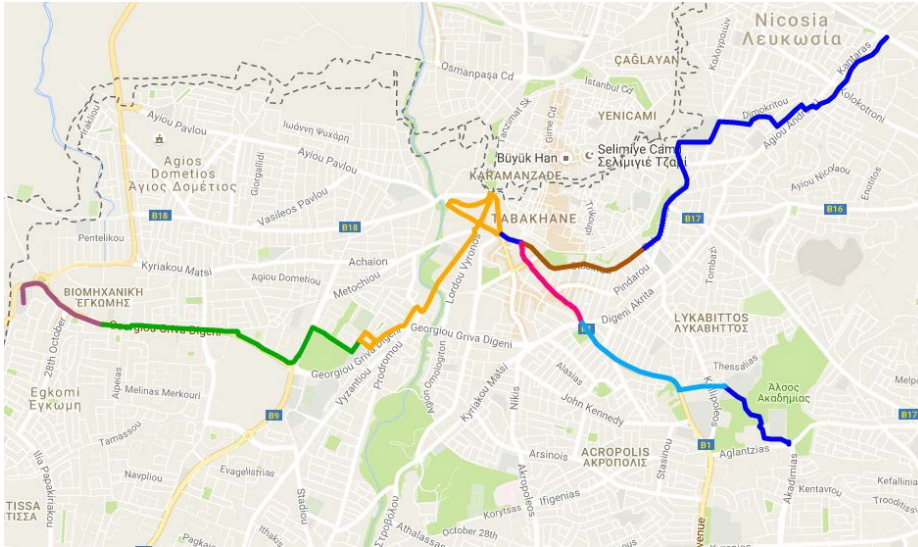
Establishment of a Metropolitan Authority

Development of a parking policy

Implementation of the developed marketing plan

Execution of a feasibility study for a tramway system

A Cycling Connection Between the Universities of Nicosia and the City Centre



16,5 km route

Combinations of cycle tracks, cycle lanes, contra flow lanes and with traffic

Budget €5.3 million

A Cycling Connection Between the Universities of Nicosia and the City Centre



Before



After

A New One-Way System on Makariou and Kallipoleos Avenues with Bus Lanes on Makariou



Reconstruction of road and pavements

Pedestrian crossings

Cycling routes

Bus lanes

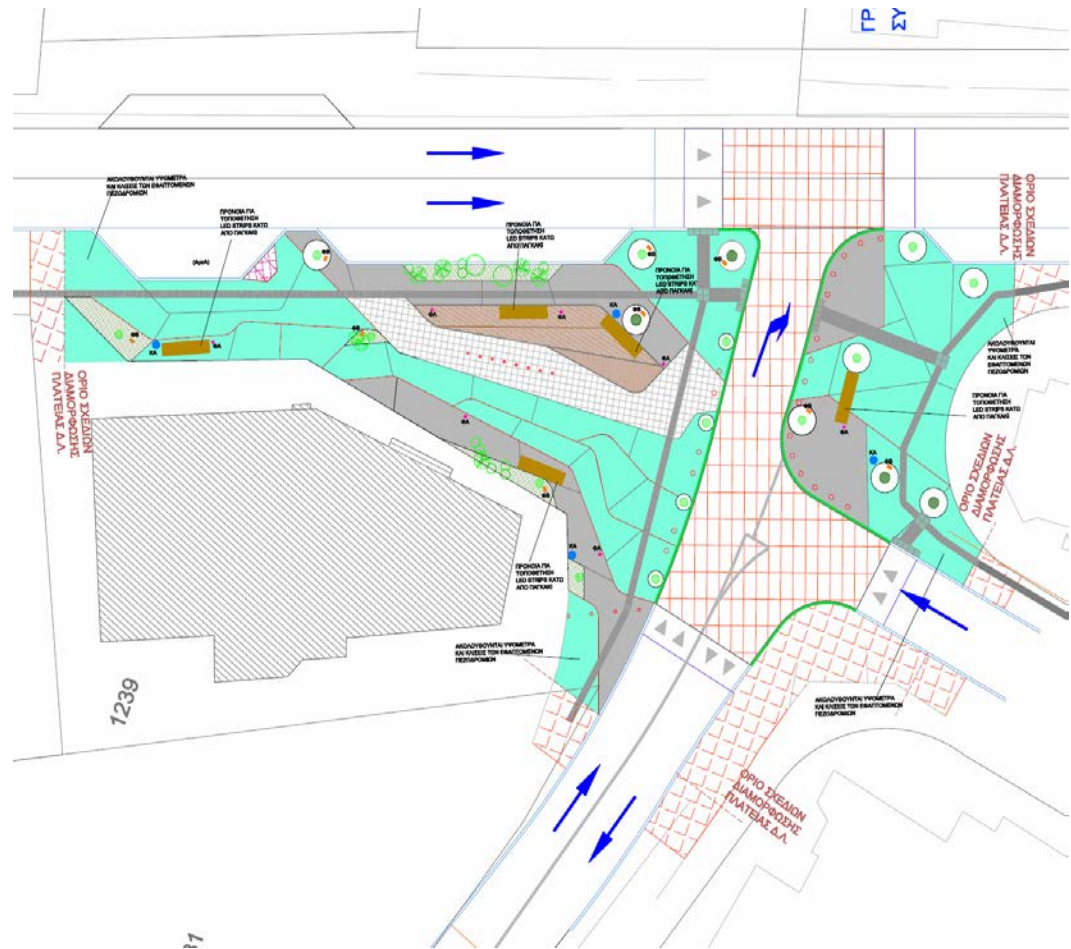
199 new trees

Budget €5.3 million

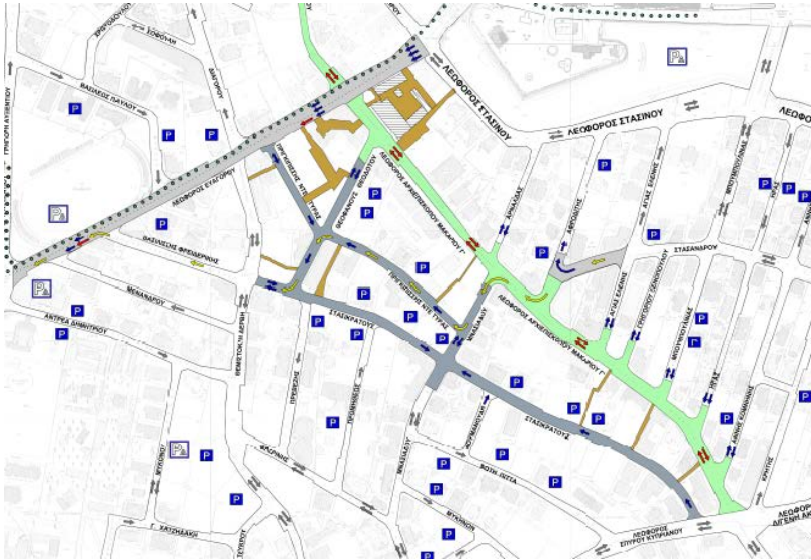


A New One-Way System on Makariou and Kallipoleos Avenues with Bus Lanes on Makariou

Open-space design at the corner of Kallipoleos and Ypatias streets, for social and recreational activities



The Regeneration of the Commercial Triangle of the Nicosia City Centre



Before



After

Redesigned on the «shared space» concept

Bioclimatic design

Offering a pleasant, attractive, comfortable environment

Budget €28.8 million

The Regeneration of the Commercial Triangle of the Nicosia City Centre



The Regeneration of the External Arc of the Nicosia City Walls



Before



Before



After

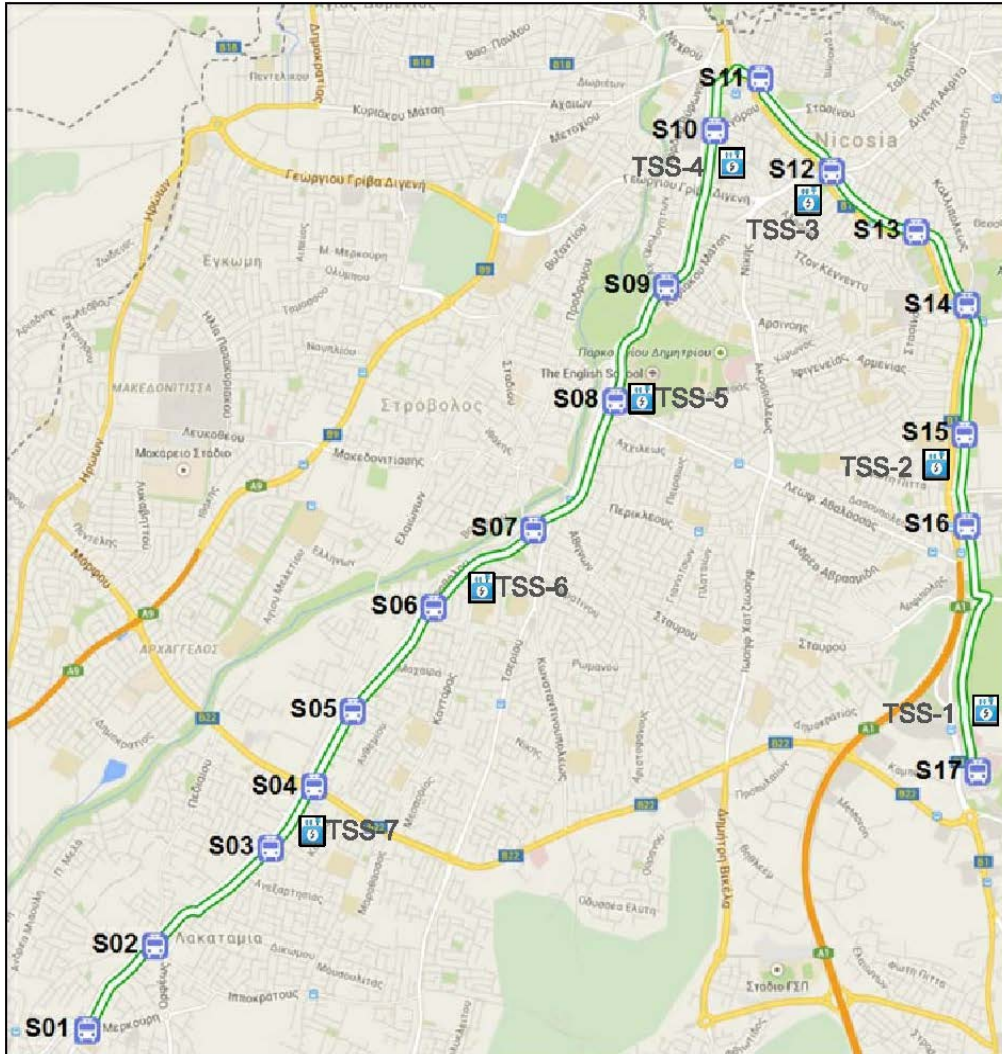


After

The Regeneration of the External Arc of the Nicosia City Walls



A Tramway System for Nicosia



Length 14,2 km

Frequency 10 mins

Mean speed 23,6 km/h

16 vehicles

Implementation cost €216,5m

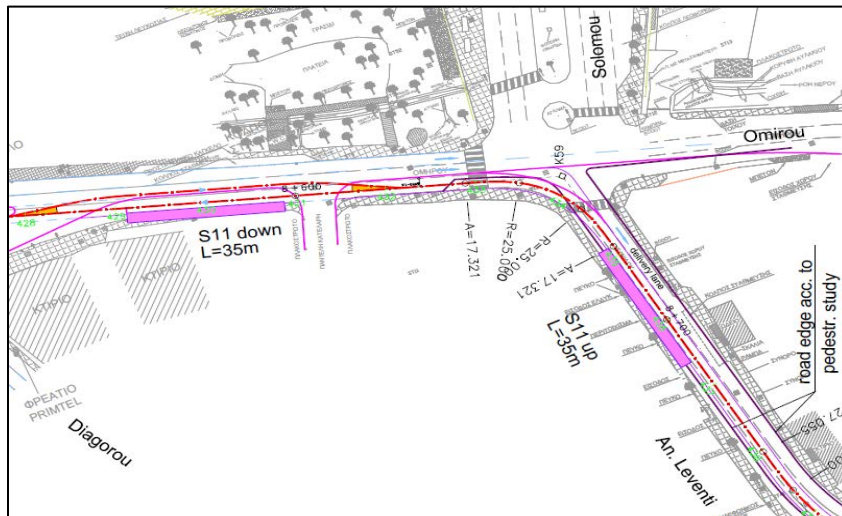
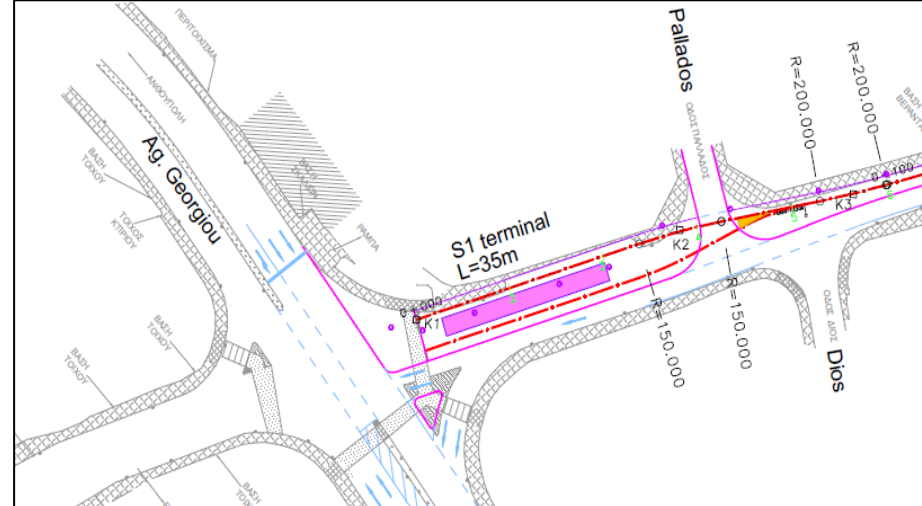
Annual operating cost €11,3m

Annual operating revenues €8-22m

NPV at 6% discount €308,2m

IRR 14,1%

A Tramway System for Nicosia



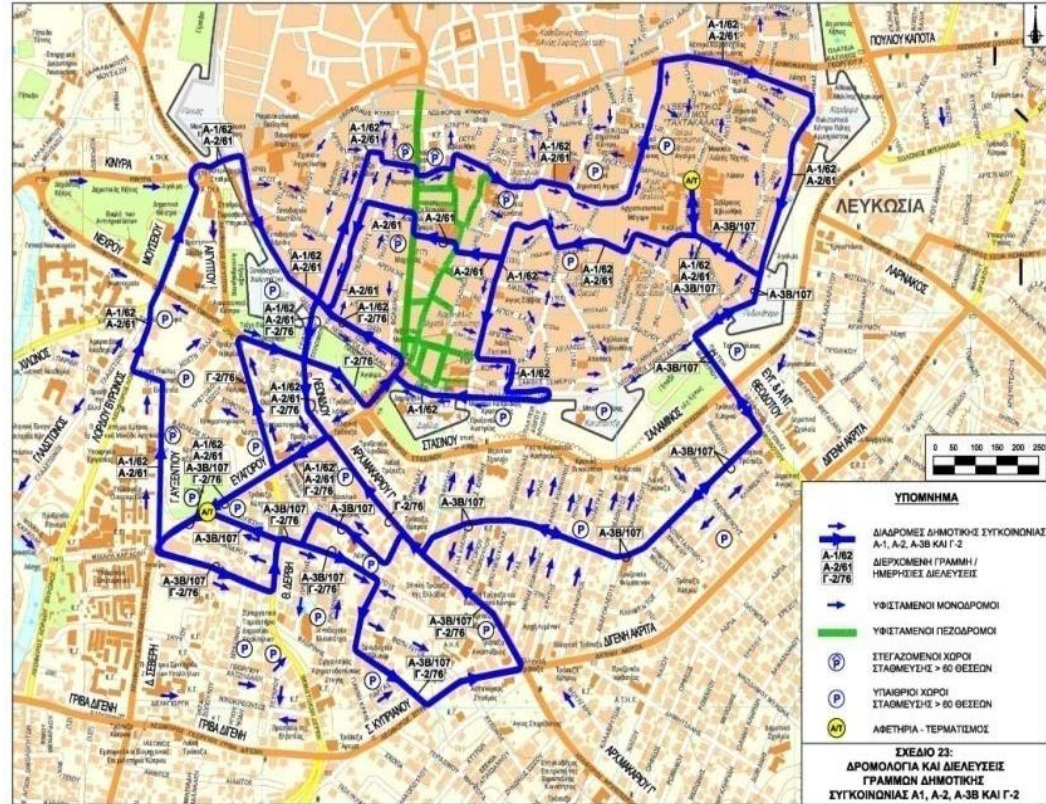
Nicosia City Centre Mini-Bus Service

13 new mini buses, Euro VI category (very low emissions)

More attractive, significantly improving the existing bus service.

Smart bus stops, providing real time information, using solar energy.

Information on the bus and through the development of a Smart Phone Application.

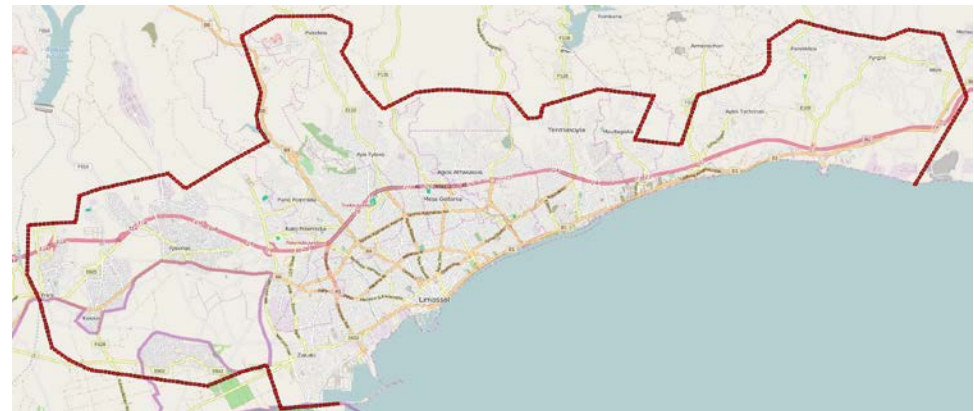


The Limassol Sustainable Urban Mobility Plan

Βασικά στοιχεία της Σύμβασης

- Αναθέτουσα Αρχή: ΤΔΕ
- Ανάδοχος: Κ/Ξ εταιριών: PTV Transport Consult GmbH (Γερμανία), PTV Planung Transport Verkehr AG (Γερμανία), Tredit S.A. (Ελλάδα) and A.L.A. Planning Partnership Consultancy L.L.C (Κύπρος)
- Ποσό Σύμβασης: 630.860,000 ευρώ (χωρίς ΦΠΑ)
- Υπογραφή Σύμβασης: 2 Μαρτίου 2017
- Έναρξη εργασιών: 13 Μαρτίου 2017
- Διάρκεια έργου: 23 μήνες (13 Φεβρουαρίου 2019)
- Χρηματοδότηση: Ε.Ε. και Κ.Δ.

The Limassol Sustainable Urban Mobility Plan



The Larnaca Sustainable Urban Mobility Plan

- Planning on the basis of a common vision
- Land use and mobility coupling
- Holistic multimodal design
- Compatibility with wants and needs
- Enhanced quality of life

The Larnaca Sustainable Urban Mobility Plan



LOCAL AUTHORITY
LARNAKA
LET'S TALK ABOUT MOBILITY

▷ COUNTRY
Cyprus

The Cypriot municipality of Larnaca has participated in EUROPEAN MOBILITY-WEEK for many years, and has shown a high level of commitment in setting up active dialogue with local residents.

These measures have brought about a real change in the mentality of Larnaca residents towards more sustainable mobility.

The streets of Larnaca were not only closed to traffic, but also open to folk dancing, flea markets and street games.

This year, a cycling race completed the traditional promenade. A triathlon competition took place along the sea front which measures 4 km. The urban road network was used for these activities.

The campaign was the perfect occasion to inaugurate new bicycle parking stations. The installation of charging stations for electric cars helped to promote the use of green cars.

The city gathers information to further develop walking and cycling facilities. 'Eco-counters' along the salt lake path indicate the number of pedestrians and cyclists using the area.

9



Plans for Paphos, Famagusta and Cyprus



Paphos SUMP



Famagusta SUMP



National Strategic Transport Plan



TrACE

The Establishment of a Transport AnalYTics Centre of Excellence in Cyprus (TrACE)

- **Call: H2020-WIDESPREAD 2016-2017**
Topic: Teaming Phase 1



Horizon 2020

Pillar: Spreading excellence and widening participation

Work Programme Year: H2020-2016-2017

Work Programme Part: [Spreading Excellence and Widening Participation](#)

Call : [H2020-WIDESPREAD-2016-2017](#)

TOPIC: Teaming Phase 1

Topic identifier: WIDESPREAD-04-2017
Publication date: 14 October 2015

Types of action: CSA Coordination and support action
single-stage
DeadlineModel: 28 July 2016
Opening date:

Call: Horizon 2020-WIDESPREAD 2016-2017


Topic: Teaming Phase 1

Aim: "...supporting the creation of new centres of excellence....in low R&I performing countries, building on partnerships between leading scientific institutions and partner institutions in low R&I performing countries..."

- Proposals submitted: 208 proposals
- Passed: 30
- TrACE score: 14 out of 15!
- Phase 1: max 400,000 euros for one year project, for carrying out the Business Plan (the project begins on 1st September 2017)
- Phase 2: ≈ 5-7 year project, 15 million euros plus 15 million from CY Government to establish the new centre
- 30+20 proposals from previous Call will compete at Phase 2: around 10 proposals will succeed (results ≈ March 2019)



Partners of TrACE




UNIVERSITY OF LEEDS
Institute for Transport Studies

The Institute for Transport Studies, University of Leeds, UK



Ministry of
Transport, Communications and Works

Ministry of Transport
Communications and Works
Coordinator



DLR Institute of
Transportation Systems

The Institute of Transportation Systems, Berlin, Germany



University
of Cyprus

The University of Cyprus (UCY),
Cyprus

KIOS Centre of Excellence for
Intelligent Systems and Networks
Department of Civil and
Environmental Engineering



CYPRUS
INTERNATIONAL
INSTITUTE OF
MANAGEMENT

The Cyprus International
Institute of Management, Cyprus



TrACE Sectors

Transport
Planning,
Engineering
and Policy

Intelligent
Transport
Systems (ITS)

Green
Transport

Marine
Transport/Blue
Economy



Σας ευχαριστώ για την προσοχή σας