SUSTAINABLE MOBILITY IN CYPRUS
by Alecos Michaelides
Permanent Secretary of Ministry of Transport, Communications and Works
Presentation Contents

Challenges Faced in Cyprus

- Integration of sectoral policies
- Land use and mobility planning
- Scattered competences and responsibilities
- Traffic congestion
- Driving culture and enforcement
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- Road safety
- Air quality

Confronting the Challenges

- Sustainable mobility milestones
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- The Makariou – Kallipoleos one way system
- The commercial triangle regeneration project
- The Nicosia Walls external arc regeneration project
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- SUMPs for Larnaca, Paphos, Famagusta and the national plan
CHALLENGES FACED IN CYPRUS
Integration of Sectoral Policies

- Mobility/Land Use
- Economy/Finance
- Energy
- Environment
- Tourism
- Health

Disjointed
Integration of Sectoral Policies
Land Use – Mobility Planning
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

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<tr>
<th>2013</th>
<th>per million inhabitants</th>
<th>per 10 billion pkm</th>
<th>per million passenger cars</th>
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Urban | Rural roads except motorways | Motorways | Other/Unknown

16/5/2017
Air Quality
CONFRONTING THE CHALLENGES
Sustainable Mobility Milestones in Cyprus

- Development of the Nicosia Integrated Mobility Master Plan (IMMP) in 2010
- Maturing IMMP projects for implementation, 2010-2013
- Feasibility study for a tramway system in Nicosia, 2015
- Implementation of measures proposed in the IMMP 2016-2019
- Development of SUMP plans for the other cities with EU co-funding, 2016-2018
- Development of a National Strategic Transport Plan, 2018-2019
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
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

- 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

After

Before

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

• Anathetousa Arxh: TDE
• Anadoxos: K/Ξ etairiwn: PTV Transport Consult GmbH (Germaania), PTV Planung Transport Verkehr AG (Germaania), Tredit S.A. (Ellada) and A.L.A. Planning Partnership Consultancy L.L.C (Kypros)
• Posso Symvashis: 630.860,000 euvro (xwris FPA)
• Ypografi Symvashis: 2 Martiou 2017
• Enavrxi ergasiwn: 13 Martiou 2017
• Diaerkeia Ergou: 23 mhenes (13 Febrouariou 2019)
• Xrmatodotypsi: E.E. kai K.D.
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 Cypriot municipality of Larnaka has participated in EUROPOMOBILITY-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 Larnaka residents towards more sustainable mobility.

The streets of Larnaka 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. "Counters" along the salt lake path indicate the number of pedestrians and cyclists using the area.
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
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

The Institute for Transport Studies, University of Leeds, UK

Ministry of Transport Communications and Works Coordinator

The Institute of Transportation Systems, Berlin, Germany

The University of Cyprus (UCY), Cyprus

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

The Cyprus International Institute of Management, Cyprus
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Σας ευχαριστώ για την προσοχή σας