High Level Training courses on Sustainable Mobility

Barcelona, Spain, 11-13 June 2019

ENA, Energy and Environment Agency of Arrábida
Region of Lisbon and Tagus Valley/Setúbal Peninsula

- **21** associated entities
- **3** Municipalities
- Territory with **890 km²**
- **234 000** inhabitants
- **2** SEAPs ongoing
Lisbon Metropolitan Area

18 Municipalities
Territory with 3 015 km²
2,821 million inhabitants
ENA’s Territory

The region brings together heavy and cutting-edge technology industry, handicraft activities, good quality tourism infrastructures and large natural areas with outstanding characteristics.

The landscape morphology is dominated by plains, with the exception of the mountainous range of Arrábida - highest point at 500 meters above sea level.
ENAs Key thematic subjects

Climate change mitigation and adaptation

Energy Efficiency

Environment, energy and clima in urban planning

Partnership

Mobility, accessibility, transport

Awareness raising, training

Financing instruments
**Acronym:** ENERNETMOB

**Programme:** INTERREG MEDITERRANEAN

**Project title:** Mediterranean Interregional Electromobility Networks for intermodal and interurban low carbon transport systems

**Coordinator:** Region of Peloponnese

**15 partners:** Malta, Greece, Portugal, France, Italy, Slovenia, Cyprus, Albania, Italy, Croatia, Montenegro, Spain and Austria

**Project duration:** 01.02. 2018 – 31.01.2022
“Mobile” population represents 80.4% of total resident population.

Average number of travels/day/person 2.60

Intramunicipal travels represent 65.4% of total travels with origin and destination in Lisbon Metropolitan Area.

30.8% main reason for travelling is work.

Individual car is the main transportation mode (58.9%).
“Mobile” population in Lisbon Metropolitan Area

- Sesimbra: 83,9 %
- Palmela: 83,6 %

AM Lisboa

- Working days: 85,1%
- S. S. H.: 70,9%
"Mobile" population in Lisbon Metropolitan Area

- 23.5% use smooth modes (walking, bicycle) for transportation during working days.
- Public/collective transport (PT), as main transport mode, represents 15.8%.
- Bus is 49.6% of the PT, reflecting a diversified offer of rail (light and heavy) and river (Tagus and Sado rivers) transport.
Distribution of number of travels by transportation mode, in working days

- AM Lisboa: 56.3%
- Bus: 10.2%
- Bicycle: 23.3%
- Other: 1.4%
- Motorcycle: 1.0%
- Boat: 0.4%

AMT, Barcelona, 11-13 June 2019
Proportion of travels using individual vehicles (car, motorcycle) as main transportation means, by Municipality

- Sesimbra: 73.0%
- Palmela: 70.4%
Proportion of travels using public or collective transport as main transportation means, by Municipality

- Sesimbra: 6,2 %
- Setúbal: 7,1 %
Reasons for using individual transport means

- Rapidez: 62.5%
- Conforto/comodidade: 50.4%
- Rede transp.públicos sem ligação dir. ao destino: 30.3%
- Serv.transp.público sem frequência ou fiab.necess.: 24.8%
- Ausência de alternativa: 23.0%
- Profissionais/de trabalho: 16.8%
- Preço/Custo: 13.9%
- Privacidade: 13.0%
- Facilidade de estacionamento: 12.8%
- Dificuldade de mobilidade nos transportes públicos: 10.2%
- Segurança: 10.0%
- Combinação com outras pessoas/transp. terceiros: 8.5%
- Bons acessos rodoviários: 8.1%
- Outra razão: 6.9%
- Despacho de um veículo atribuído pela da empresa: 6.6%
- Desconhecimento da rede de transportes públicos: 2.0%

AM, Lisbon

AMT, Barcelona, 11-13 June 2019
Reasons for using public transport

- 45.3%: No one / No individual transport
- 43.1%: Absence of alternative
- 35.7%: Price / Cost of public transport
- 31.3%: Ease of access
- 30.5%: Direct connection to the destination
- 24.5%: Rapidity
- 21.2%: Difficulty of parking at the destination
- 20.6%: Traffic congestion
- 14.1%: Other reason
- 13.2%: Comfort / Convenience
- 8.6%: Environmental or health concerns
- 6.5%: Service quality (freq., fiab., segur.)
- 5.0%: Ease of parking along public transport
Public transports in ENA’s territory

- Since the 1st of April, new ticket solution, accessible and that promotes intermodality in all Lisbon Metropolitan Area
- Lack of bus lines that answer to the population needs
- Lack of intermodality
- Lack of coordination among transport timetables
- Behaviour
Public transports in ENA’s territory

- Introduction of Shared Mobility (with services on request) is a new paradigm of medium scale PT, connecting with heavy modes
- Careful introduction of shared mobility solutions and modal change
- Shared taxi services
- Services for “feeding” heavy modes
- Services for low demand periods and zones
Example: Palmela

- Local Mobility Council
- Urban Circuit of Pinhal Novo

Future: Sesimbra, Setúbal and Palmela

- Arrábida emobility Plan
- Shared mobility
- Electrical charging points (Sesimbra 6, Setúbal + 8, Palmela 7

AMT, Barcelona, 11-13 June 2019
Thank You!

cristina.daniel@ena.com.pt