Lisbon

Almada

Almada

Lisbon Metropolitan Area

Area 72 km^2

180 000 inhabitants

35 km long waterfront

32%

22%

6%

20%

CO_2

20%

420.000 tCO_2
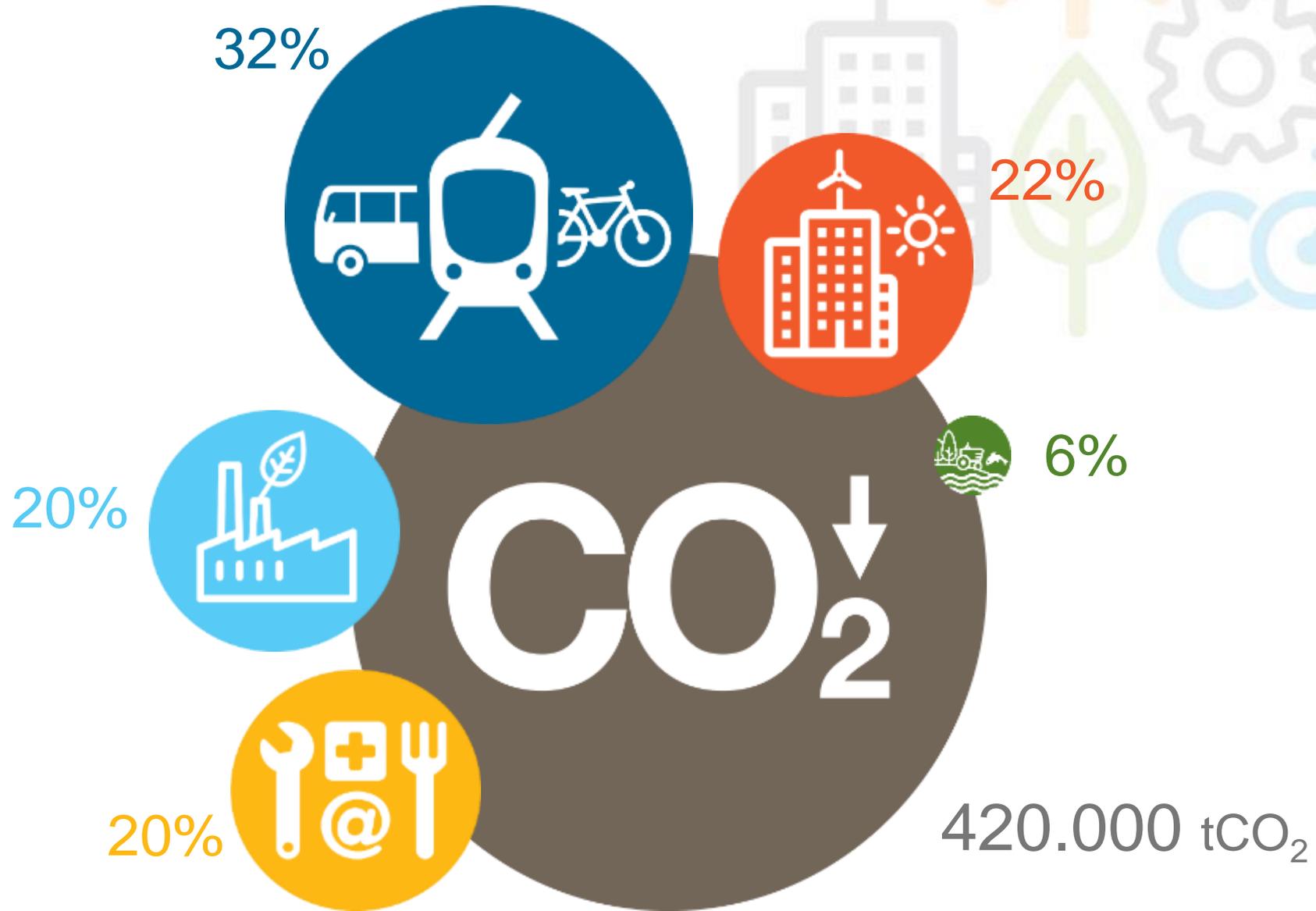
Mobility System in Almada 2012

What is missing?

Mobility System in Almada 2012

Urban Logistics was a key element missing in local mobility policies

What is missing?

Mobility System in Almada 2017
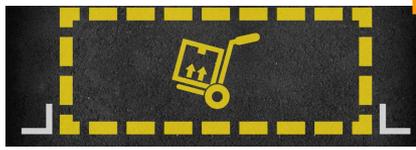
- **Logistics** are an **important component of the urban mobility system**:

  - Diversity of actors/stakeholders

  - Organized and developed (mostly) by private entities, but regulated by public entities (Local Governments)

  - Different types, needs and models of operation

  - Changing shopping habits in our global economy: e-commerce

  - Has important impacts in the quality of life and working conditions in our cities

  - Represent **10 to 15%** of the product cost and weight for 13,8% EU GDP

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ALMADA CITY COUNCIL

Almada's approach:

↳ Optimize logistic operations to enhance the attractiveness of the city (public space taken, local economy)

↳ Reduce traffic congestion, environmental impacts and energy consumption/GHG emissions from the daily logistic operations.

↳ Improve quality of life

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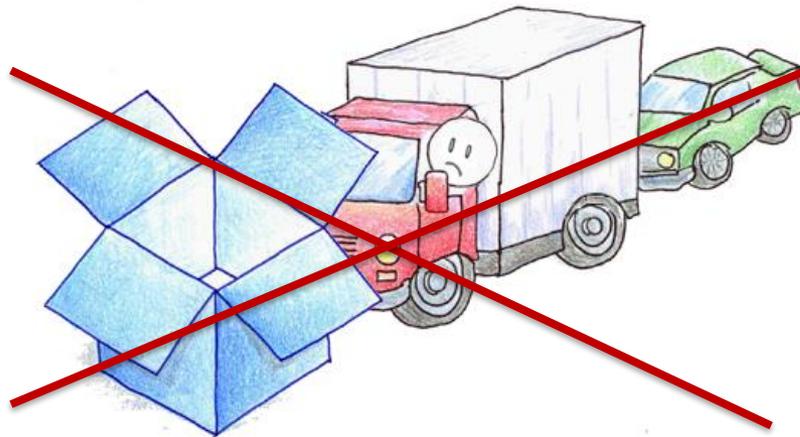
- 2nd generation **Urban Mobility Plan of Almada, PUMA** (domains of intervention)

  - ↳ PT network and services

  - ↳ Soft Transport Modes
    (integration with Almada's Cycling Plan)

  - ↳ Circulation and parking manage

  - ↳ **Urban Logistics: SULP**
    (Sustainable Urban Logistics Plan)
    - EU project ENCLOSE
    - EU project DOROTHY

PUMA
PLANO DE MOBILIDADE URBANA
DE ALMADA

Co-funded by the Intelligent Energy Europe
Programme of the European Union

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- **Almada's SULP** (Sustainable Urban Logistics Plan):

1. **Problem Statement** (vision and objectives)

2. **Local context**

3. **Local logistics context**

4. **Setting the logistics baseline**

5. **Smart logistic solutions**

6. **Feasibility of chosen services and measures**

7. **Hierarchy of services and measures**

Critical Area: Almada's City Centre

Critical Area divided in 3 parts
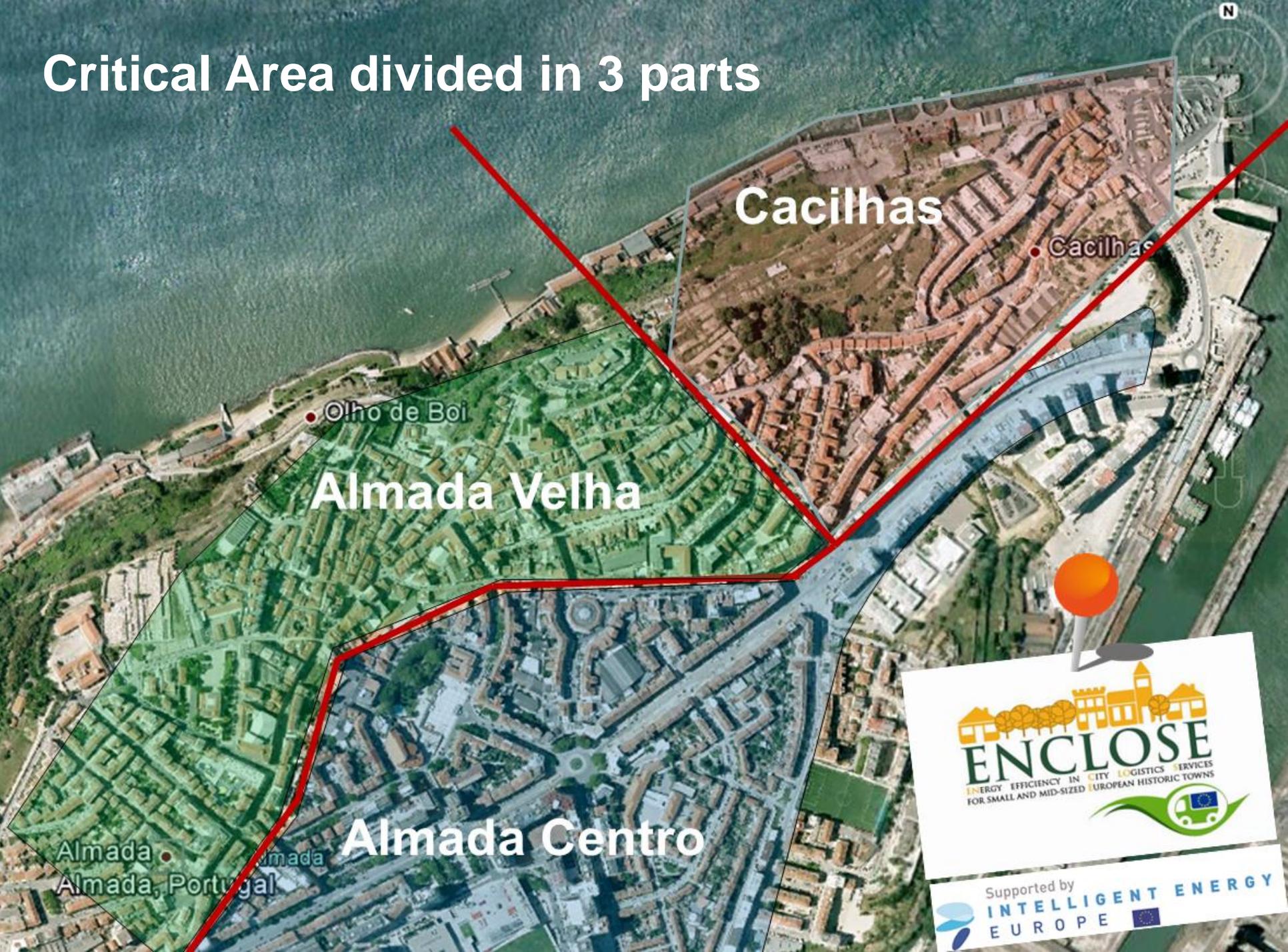
Cacilhas

Almada Velha

Almada Centro

Olho de Boi

Cacilhas

Almada
Almada, Portugal

ENCLOSE
ENERGY EFFICIENCY IN CITY LOGISTICS SERVICES
FOR SMALL AND MID-SIZED EUROPEAN HISTORIC TOWNS
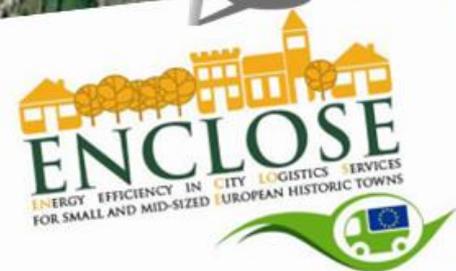
Supported by
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EUROPE

Logistics baseline:

- **2 300 shops** in the City Center

- **1 550** logistic trips/day

- **60 ton/day** of delivered freight

- **"Self running" system**

- Energy **and environmental impacts**
  - Energy consumption: **361 toe/year** (~15 x 10^3 GJ/year)
  - GHG emissions: **1 288 tCO$_2$eq/year**
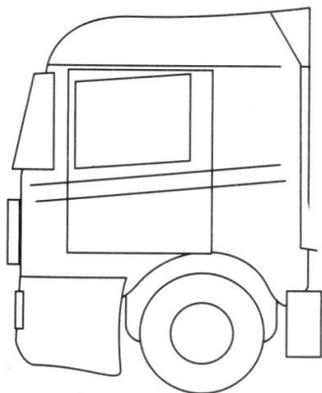
1 550
Number of **LOGISTIC TRIPS EACH DAY**
in the City Center of Almada

- **Almada's SULP logistic solutions and measures**
  - ↳ Extension of new parking rules/regulations for commercial vehicles to all the city
  - ↳ Pick-up point utilizing existing facilities and final destination for E-Commerce goods
  - ↳ Tram for goods distribution in the city centre
  - ↳ Reorganization of Almada's Central Market area, including a "Micro Consolidation Centre"
  - ↳ UCC, Urban Consolidation Centre
  - ↳ Cargo Bikes (Organic cooperative + VeloCidade)

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Almada's SULP in practice: Cargo Bikes

Bicycles are:

Energy-Efficient	Time-Efficient
Low CO_2 Emissions	Space-Efficient
Sustainable	Low Cost
Healthy / Life Quality	Fun
Low Noise	Environmentally friendly

Cargo Bikes

Flexible / Agile	Historical Centres-friendly
Last-Mile Oriented	Good Load Capacity

Electric Bikes allow

Heavier Loads	Not only flat cities
Faster Speeds	

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Energy-...		...storical Centres-friendly
Low CO$_2$ Er...		...d Load Capacity
Sustaina...		
Healthy / Life Quality	Fun	
Low Noise	Environmentally friendly	

Cargo Bikes: a win-win solution!

Electric Bikes allow

Heavier Loads	Not only flat cities
Faster Speeds	

- **Almada's SULP in practice: Cargo Bikes**

2 pilot experiences of goods delivery by bike

↳ Christmas Eco-Friendly Market

↳ Running since 2015

↳ Free deliveries for shopping > 25 €

↳ Very good public and businesses acceptance

↳ Costs under evaluation (financed by the Municipality)

↳ Partnership with a start-up cargo bike local company (Velocidade)

Visite a CASA DA LUZ
Praça da Liberdade

ERA UMA VEZ UM NATAL

AMIGO DO PLANETA E DAS PESSOAS

2015

MERCADO de NATAL

AMIGO da TERRA

16 a 20 de Dezembro

OFICINA DE CULTURA · PRAÇA S. JOÃO BAPTISTA

ALMADA

AGENEAL · AMBIENTE ALMADA 21 · ALMADA CÂMARA MUNICIPAL

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MERCADO de NATAL AMIGO da TERRA

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GATORSKIN

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AS SUAS COMPRAS
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DE BICICLETA!

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em sua casa, à hora combinada,
as compras que fizer
no Mercado de Natal Amigo da Terra
(de valor igual ou superior a 25€).

Válido para entrega no concelho de Almada,
de 17 a 23 de Dezembro de acordo com as condições deste serviço.

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Ciclável!

Almada mais verde,
vamos pedalar
por esta ideia

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- **Almada's SULP in practice: Cargo Bikes**

2 pilot experiences of goods delivery by bike

↳ Partnership between a local organic agriculture cooperative (Pé de Salsa) and the start-up cargo bike local company (Velocidade)

↳ Running since 2016

pé de salsa
aromáticas e hortícolas

pé de salsa
aromáticas e hortícolas

+

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Thank you for your attention

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carlos.sousa@ageneal.pt