

## About Coimbra

Located in the centre of Portugal, Coimbra is a city that offers a thousand years of history, countless artistic treasures, together with a contemporary way of life.

Nowadays the city is the seat of many regional administrative offices and home to one of the world's oldest universities, attracting people from Portugal and beyond and contributing to the steady growth of population. As such, it is vital that the city is accessible to all who visit.

Within CIVITAS MODERN Coimbra aims to increase the quality and effectiveness of the public transport system, improve energy-efficiency and disseminate a positive perception of environmental mobility among citizens, stakeholders and transport operators.

## Infrastructure

### Production of renewable energy for trolley bus lines

#### Objectives / Innovative Aspects

- Use an already existing river dam to produce electricity for the trolley bus and electric minibus fleet.
- Generate revenue by selling excess electricity back into the national grid.
- Increase levels of municipal energy autonomy.

#### Expected Results

- Production of at least of 750,000 kWh per year.



## Technology

### Alternative fuels for public transport

#### Objectives / Innovative Aspects

- Test the use of biodiesel fuels in urban and suburban real driving cycles.
- Explore the possibilities for use of 5%-plus biodiesel blends in public transport fleets, particularly that derived from waste oil residues.
- Make citizens aware of the possibilities for alternative fuels in public fleets.

#### Expected Results

- 25% share of biodiesel to be used in the public transport fleet in the future.
- 15% reduction in Carbon Monoxide emissions from buses.
- Improved co-operation between the municipality and other fleet operators.



## Innovation

### Safe driving training for heavy vehicle drivers

#### Objectives / Innovative Aspects

- Establish a training centre for professional heavy vehicle drivers.
- Reduce fuel consumption.
- Reduce the number of accidents.

#### Expected Results

- 1,000 training actions during CIVITAS.
- 5% accident rate reduction of drivers.
- Improved co-operation between the municipal public transport service and other operators.



## City Contact

Margarida Redinha,  
margaridaredinha@itap-net.org  
www.cm-coimbra.pt