

# SMILE

Sintra Motion & Innovation  
for Low Emissions



Economia Circular  
e Ambiente



Energia e Edifícios



Mobilidade urbana  
sustentável



Comunidade, Arte  
e Cultura



## “Working together for a **green** Europe”

Iceland  
Liechtenstein  
Norway grants

Programme Operator:



Promoter:



Partners:



- **Program Operator**



- **Program Promotor**



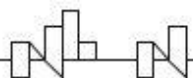
- **Authority Partner**



- **Program Partner of the Donor country**



- **Implementation partners**



A stylized graphic of a tree with a white trunk and branches, and three circular canopies in shades of green. The tree is positioned on the left side of the slide, set against a dark blue background that transitions into a green field.

# PROGRAM'S TARGET

(ENVIRONMENT, CLIMATE CHANGE AND LOW  
CARBON ECONOMY)

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- Promotion of a low carbon economy, with special emphasis on the circular economy, adaptation to climate change and conservation and biodiversity
- Increase the resilience and responsiveness of communities to climate change



# PROJECT GOALS

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May 2021



April 2024

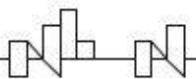
- Test integrated technology solutions that increase efficiency and reduce overall energy and resource consumption
- Mitigate carbon emissions through the active involvement of citizens, businesses, public authorities, and universities
- Promote significant improvements in Tabaqueira neighborhood through the use of alternative sources of energy production, sustainable mobility and solutions based on the Circular Economy



# TABAQUEIRA NEIGHBORHOOD

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- Bounded space
- Distinctive features
- Meeting spaces
- Local identity





## Transports

Bus

Train

## Institutions

Associação de Recreio e  
Cultura do Bairro da  
Tabaqueira

Escola Básica Alfredo  
da Silva

## Leisure

Outdoor field for basketball  
and football field

Playground

## Companies

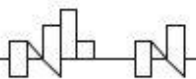
Tabaqueira, Pmi

Albiz Global Parque

## Services

Health Centre

Stationery shop





## TAB LAB - THE BUILDING

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# TAB LAB - THE BUILDING

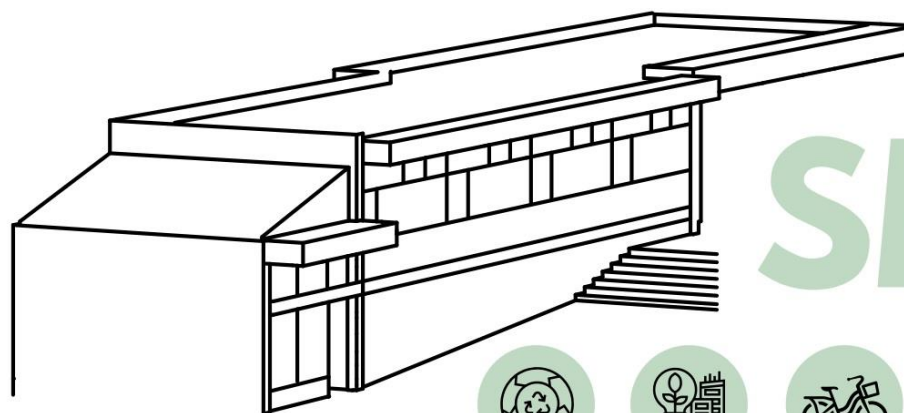
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- Workshop
- Office
- Bicycle Parking
- Community Assembly
- *Repair Café*
- *Showroom*
- *Dashboard*
- Exchange Place
- Storage





# SMILE - THE IMAGE



# SMILE

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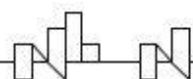
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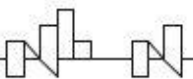




# PROJECT ACTIVITIES

## Circular economy and environment

- **Community** Urban **Garden**
- **Collection system for rainwater**
- **Composting** goes to school
- **Repair Café and Bike Workshop**
- **Intelligent** Automatic Irrigation **System**
- Waste **management system**



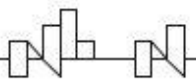


## PROJECT ACTIVITIES

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### Sustainable urban transport

- **Electric Minishuttle** on a flexible/"on-demand" basis for people, goods and small goods
- **Bicycle sharing** and electric charging station
- **Safe parking** for bicycles





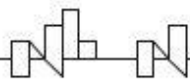


# PROJECT ACTIVITIES

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## Energy and Buildings

- Installation and maintenance of a **renewable energy community**
- Monitoring
- Application based on artificial intelligence and community involvement to fight **energy poverty**
- Promoting a group of **citizen-scientists** for energy efficiency
- **Energy Literacy** Programme





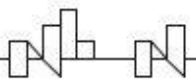


# PROJECT ACTIVITIES

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## Transversal activities

- **MySMILE**
- Steering Committee
- Community Assemblies
- Urban Art
- Living Lab management platform



# MAIN RESULTS

**Nr. of plots in the community urban garden**

10



**Nr. of students participating in the composting competition**

140



# MAIN RESULTS

**Nr. of activities, promotion and demonstration sessions within the scope of the Bike Workshop**

**5**



**Water saving (m<sup>3</sup>)  
(Irrigation system)**

**68**



# MAIN RESULTS

**Nr. of users of the Safe parking for  
bicycles**

**10**



**Total nr. of shared bicycle uses**

**1.000**





# MAIN RESULTS

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**Nr. of Repair Café users**

**40**



**Nr. of Bike Workshop users**

**20**



# MAIN RESULTS

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Annual reduction of CO<sub>2</sub>  
emissions (ton)

16,8



# MAIN RESULTS

Potential average consumption reduction  
from participating households by  
increasing energy efficiency up to:

100 €/year

Shared energy within the REC  
between the school and 16 social  
housing

65 MWh/year

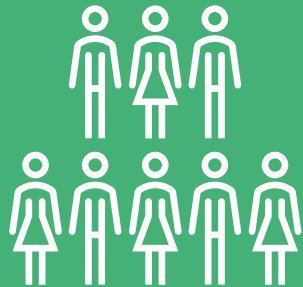


# MAIN RESULTS

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**Nr. of people involved  
in the project**

**500**



**Nr. of users of  
MySMILE**

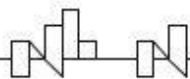
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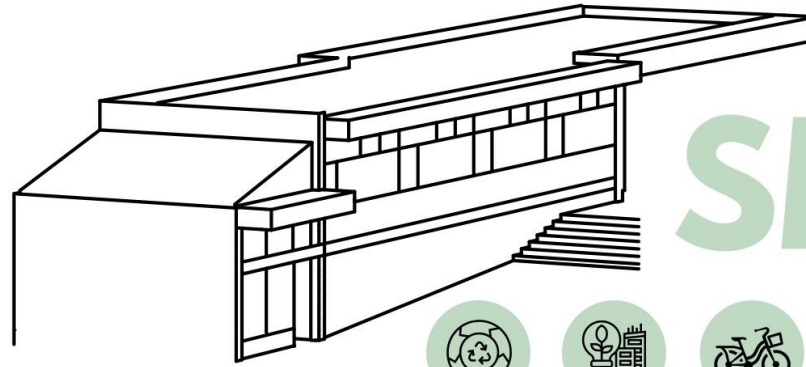




# SMILE: Sintra Motion & Innovation for Low Emissions

## BAIRRO DA TABAQUEIRA





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