

High-Level 15th Regional Environmentally Sustainable Transport Forum in Asia



Águeda Sm@rt
City Lab

Living Lab for Decarbonization



Municipality of Águeda



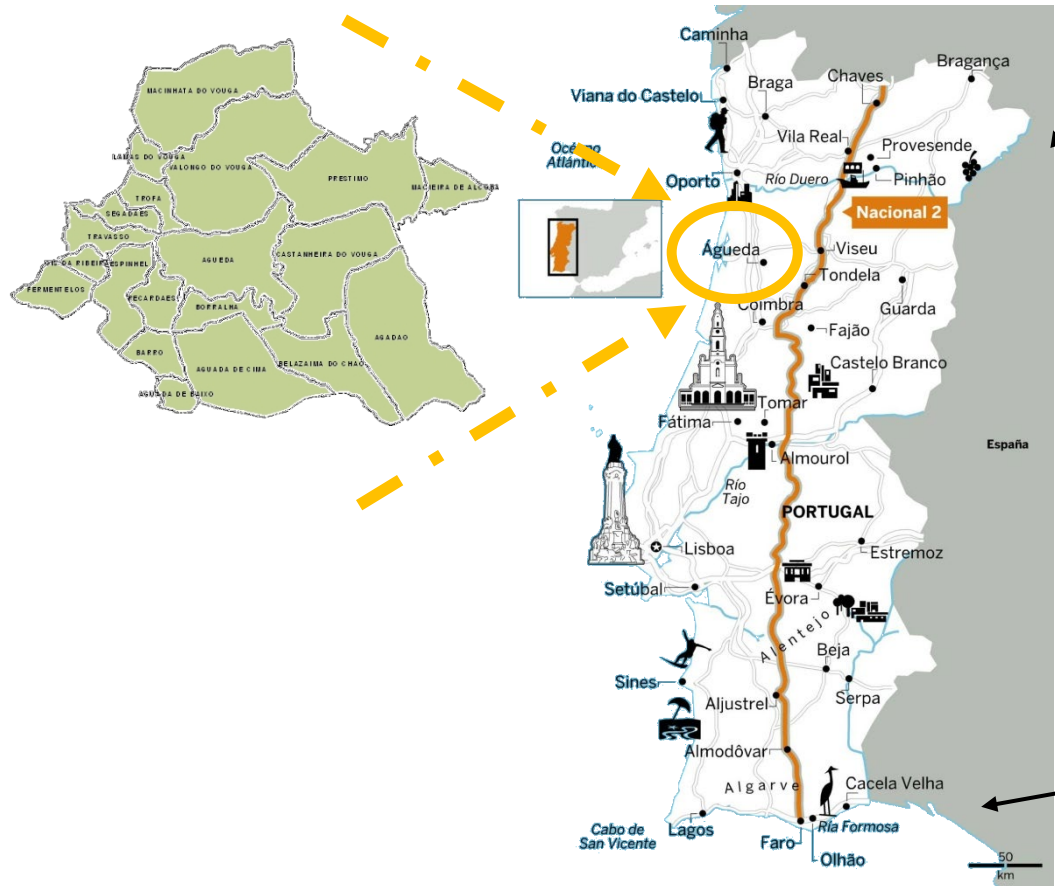
LivCom[®]
Awards for SDG








Where you find us...





Spirit of innovation and competitiveness



More energy and water efficiency



Culturally **A**ctive

Active management of natural **R**esources



e-**T**ransports



Cre**A**tivity and citizenship

Govern@nce



Urban infrastructures (WIMAX / WIFI)

Entrepreneurship



Make a **D**ifference... Think global, act local



Sust**A**inable Development



A Livable City for the future...



NO PLAN B

ACT LOCAL

THINK GLOBAL

Aichi 2030 Declaration



Águeda Sm@rt City Lab



ÁGUEDA SM@RT CITY LAB

A LIVING LAB BASED ON PEOPLE AND FOR PEOPLE...

Smart & innovative solutions for real problems





Community Participation and Empowerment - *Leave no one behind*



450 actions
+ 4 900 students
40 000 citizens
84,627 views

Águeda Sm@rt City Lab – *Leave no one behind*





Águeda Sm@rt City Lab



Sustainable Planning and Management Policies

Águeda Sm@rt City Lab:

- Four thematic areas (energy and buildings, **sustainable mobility**, circular economy and environment);
- Open innovation environment;
- Where the municipality, citizens, companies and schools collaborate (co-creation and active participation);
- Development, implementation, validation and testing of innovative technologies with low environmental impact;
- True sustainable development...





Águeda Sm@rt City Lab



Environment Protection –
Urban access

Electric Urban Shuttle | MobeÁgueda –
Águeda Transport on Demand

In 1,5 year already used by **8 663 people**
(mainly by **people with reduced mobility**,
e.g. elderly people). Special transport for
the Adapted Sport an other users with
disabilities.

FREE USAGE

E nvironmental protection and Green Economy




Municipal fleet of e- vehicles

**Project beAgueda - the e-bicycle of Agueda
for public use made in Agueda (45 e-bikes)**

KEY FIGURES

- CO₂ reduction :
25 t CO₂ eq./a
- in 2 years travelled:
242 557 km

A woman with long dark hair, wearing a white long-sleeved shirt and black pants, is riding a bright green e-bike. The bike has 'beÁgueda' written on the frame and a blue rear fender with 'beÁgueda' and '© 200 203 187' printed on it. In the background, there is a white building with 'SECÇÃO MUSEOLÓGICA' written on its facade. To the left, a black steam locomotive is on display on a red platform. The scene is set outdoors on a paved area with a wooden fence and some greenery in the foreground.

Near the railway;

The 5 parishes cover an area of 122.27 km²

With a total population of 21,257 inhabitants;

More parks and e-bikes are available for public usage;

The e-bikes can be booked by an user card or by the usage of an APP.

beÁgueda

Mobilidade Sustentável



Funded by
the European Union

beÁgueda

Mobilidade Sustentável

Este cartão é pessoal e intransmissível e deve acompanhar sempre o titular durante o uso das bicicletas comunitárias. Em caso de extravio deste cartão, o titular deverá comunicar imediatamente ao Município de Águeda.

O uso indevido deste cartão, bem como das bicicletas comunitárias durante o seu uso, é da responsabilidade do titular.



Para mais informações
www.cm-agueada.pt/beagueda
800 203 197



800 203 197
www.cm-agueada.pt/beagueda
800 203 197

beÁgueda
Mobilidade Sustentável

- INÍCIO
- PERFIL
- HISTÓRICO
- TERMOS E CONDIÇÕES
- REGULAMENTO
- CONTACTOS ÚTEIS
- LOGOUT

Guardar alterações

ÁGUEDA
Câmara Municipal

SMARTA2
SUSTAINABLE RURAL MOBILITY

Funded by
the European Union

77% 14:44

Su

Email: susana.oliv

Password:

Telefone: 0

Morada: 0

NIF: 0

- Centro de Saúde – Macinhata do Vouga** >
Rua da Carvoeira
- Museu Ferroviário de Macinhata do Vouga** >
R. Padre João Gomes dos Santos
- Rua da Liberdade - Mourisca do Vouga** >
Av. José Bernardino Duarte
- Junta de Freguesia - Recardães** >
Rua da Junta
- Junta de Freguesia – Trofa do Vouga** >

- Doca 1** Vazia
- Doca 2** Activa
- Doca 3** Activa
- Doca 4** Activa
- Doca 5** Activa

The beÁgueda APP is available on Google Play Store and App Store

DESCARREGUE A APLICAÇÃO

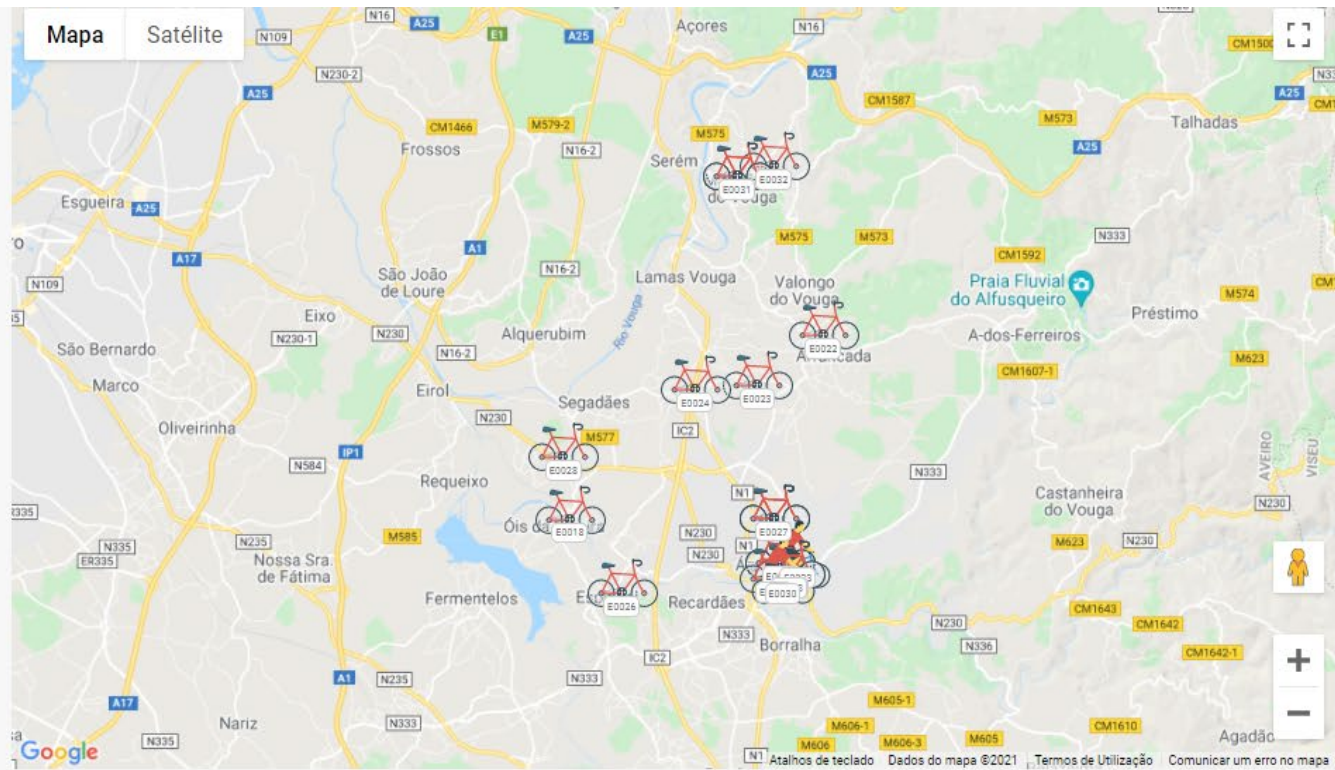


In the APP you can choose the parking station and dock to free the e-bike and start using the beÁgueda

Estações



Estações Docas



The management platform allows the management and analysis of all information associated with the project:

- Registration and issuance of user cards;
- Number of users - with card and registered in the APP;
- Number of km's traveled;
- Park and dock status;
- Battery level;
- Exact location of the e-bikes (integrated GPS), among others...



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Environment Sustainability
– Low Carbon: reduce CO₂ emissions

Charging points for electric vehicles (Mobi.E network)

- In the upper part of the city, in the car park of the Águeda Arts Centre;
- In the lower part of the city next to the Market and the Águeda Firefighters.



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Environment Sustainability – Low Carbon: reduce CO₂ emissions

Intelligent parking management system, through real-time analysis of occupancy in car parks

(using sensors and flow recording systems)

- Car Park - next to the Municipal Swimming Pools;
- Águeda Superior School of Technology and Management (ESTGA) Car Park;
- Vacancy information panels located North and South



Environment Sustainability – monitoring air quality

Sustainable mobility | Improve air quality

- 8 stations network & 19 sensors

MonitarSense

List

Map

WELCOME, DIVISÃO AMBIENTE E SUSTENTABILIDADE

LOGOUT

CMAgueda - SmartAirSense - E.S. Marques Castilho

Last request em segundos

Air Quality Outdoor Sensors

PM 2.5 ($\mu\text{g}/\text{m}^3$)	PM 10 ($\mu\text{g}/\text{m}^3$)	O₃ ($\mu\text{g}/\text{m}^3$)	Ox ($\mu\text{g}/\text{m}^3$)	NO₂ ($\mu\text{g}/\text{m}^3$)
11	19	51	131	76

Graph interval

Details

Date range (max. 7 dias)

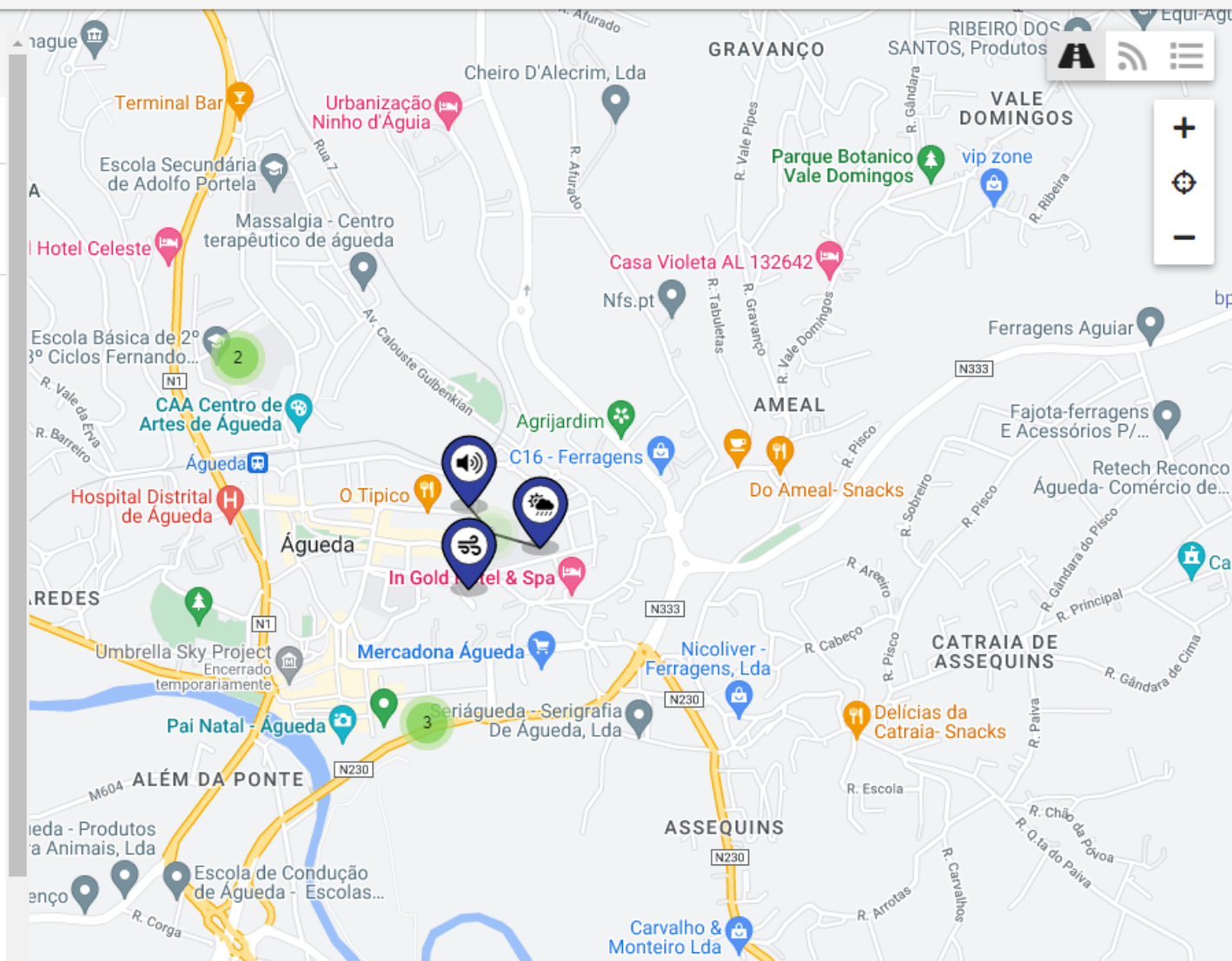
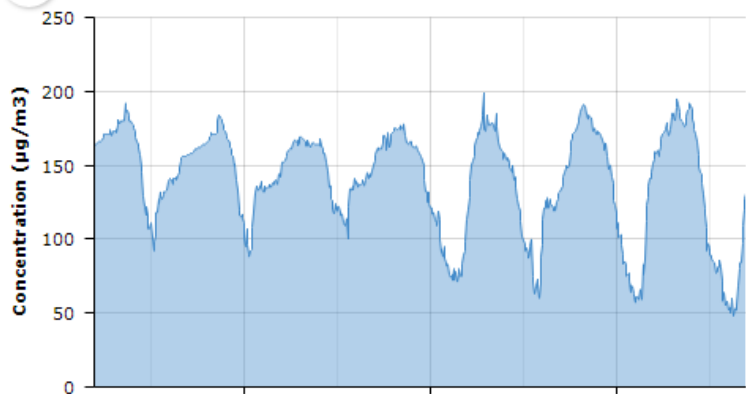
Start Date

End Date

18/05/2023

25/05/2023

Oxidising Substances (O₃ + NO₂)





Águeda Smart City - Access and connectivity – Aichi 2030



data aggregation and management platform – “Águeda Smart City Platform” (open data):

<http://smartcity.agueda.pt/>



**Águeda Sm@rt
City Lab**

**22,260kg of
glass and
5,740kg of
plastic
delivered for
recycling**

**16 tons of CO₂
avoided annually**

**80% reduction
of CO₂
emissions**

€ 17 200,00

**Amount Awarded for families,
and Fire department**

**60
Partnerships**

**40 000
Participants**

**8 663 users
Electric urban
shuttle**

**450
environmental
education
sessions**

**30% savings in
water and
electricity bills**

**16 MWh
Energy
Produced**

**~ €4,000.00
Energy
Savings/ Year**





More challenges:

Cooperate & Work together to a Sustainable Development





Águeda Sm@rt City Lab

THANK YOU!

Municipality of Águeda | Portugal

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