

# re-breath

Reduction of brake wear emissions in the transport sector

## The project

"RE-BREATH" (REduction of Brake wear Emissions in the Transport sector) is a research project in the field of sustainable urban mobility coordinated by **Brembo**, a world leader in the development and production of braking systems.



## The goals of RE-BREATH are:

- to improve **knowledge about emissions of non-exhaust micro-particles** generated by Local Public Transport mobility braking systems;
- to assess their impact on **people's quality of life and on the environment**;
- to design and develop an **innovative and sustainable bus braking system**;
- to develop **new green areas**.



## Test

Brembo will develop and test a new braking system that will be installed on Arriva buses which will run in the cities of **Bergamo (IT)** and **Bratislava (SK)** in order to measure emissions and system wear for the duration of **16 months**.

## Analysis

Therefore, a study will **deepen the knowledge necessary to reduce the emission of air pollutants at bus stops** and increasing plantation of "smog-eating" plants, capable of absorbing PM10 and CO2.

## Kick off

The 22nd and 23rd of September 2022 RE-BREATH **started in Bergamo with a kick off event**, in which partners met and joined forces for the first time to improve knowledge on how to reduce brake wear emissions in the transport sector.



## The mission in Bratislava

Arriva Slovakia is the local public transport partner of RE-BREATH in **Bratislava**, and is part of Deutsche Bahn (DB), a company that operates various public transport services including rail, trams, and buses. The Arriva two partners recently met in Slovakia to **visit the bus stops and the sites** where the equipment measuring the volume of particulate matter generated by bus braking foreseen in RE-BREATH will be installed.



## The visit of the LIFE monitor

Brembo hosted **Mr. Marco Tosi, the ambassador of LIFE monitoring team**, on March 6th and 7th, 2023. He was briefed on the ongoing activities by the consortium and he gave some key tips for successful project management. The guest and project partners visited bus stops and potential green hotspots in Bergamo being transported by one of the buses that will adopt the new braking system. Mr. Marco Tosi also visited the test facilities in Brembo at Stezzano.



## RE-BREATH online

RE-BREATH project has its own specific visual identity and logo, in order to be recognizable across different platforms. Updated information about the project can be found on the websites of each partner.

Each web page contains also the project video teaser, that is also shared on social media (**Twitter** and **LinkedIn**). Both social media and web sites allow stakeholders to remain updated on the project development and results.

Welcome to the **RE-BREATH Newsletter** & **thank you** for reading!

Until the next newsletter, follow us on social media (Twitter and LinkedIn) and check partners websites!

Creetings,  
**The RE-BREATH Communication Team**

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