



# REPORT ON AWARENESS RAISING ACTIONS WP6, TASK 6.4

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<sup>1</sup> PU = Public - fully open

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## LIST OF ABBREVIATIONS

ACRONYM	DESCRIPTION
AUVASA	Autobuses Urbanos de Valladolid S.A.
AVa	Ayuntamiento de Valladolid
CARTIF	Fundacion Cartif
CENEX	Stichting Cenex Nederland
Conerobus	Conerobus Spa Societa' per la Mobilita' Intercomunale
CSIC	Agencia Estatal Consejo Superior de Investigaciones Cientificas
D	Deliverable
EC	European Commission
EMW	European Mobility Week
EU	European Union
INTEC	Instituto de Tecnologia Comportamental Associacao Para o Desenvolvimento Economico e Social
IUTA	Institut für Energie und Umwelttechnik e.V.
LINK	Link Europe GmbH
Metro Lisbon	Metropolitano de Lisboa EP
M+H	MANN+HUMMEL
NFA	Det Nationale Forskningscenter Forarbejdsmiljø
SDA	Assotsiatsia Za Razvitie na Sofia
Steinbeis	Steinbeis Europa Zentrum
WP	Work package
ZF	Wabco Radbremesen GmbH

## EXECUTIVE SUMMARY

Deliverable (D) 6.4 “Awareness Raising Actions” reports on the development and implementation of the AeroSolfd awareness raising actions by partners focusing on addressing the general public to raise awareness on the AeroSolfd solutions as a way to contribute to better air quality and reduction of risks to human health and the environment caused by air pollution. Report shows a multitude of awareness raising actions were developed by AeroSolfd partners in the different countries covered by the project partners, reaching a wide audience.

# 1. INTRODUCTION

## 1.1. PURPOSE AND TARGET GROUP

AeroSolfd team developed a mix of different communication tools, covering both printed and digital channels, which were used during diversified Awareness Raising Actions promoted by AeroSolfd partners. This multi-events and multi-channel approach ensured that a broad range of stakeholders and target audiences were reached, as predicted for the awareness raising actions targets.

In general, the target audience of the AeroSolfd awareness raising actions included all groups of people which are not covered by exploitation actions (i.e. all groups of people except transport industry and its professionals):

- Other Projects
- Academia
- NGOs/Non-profit
- Policy and regulation organisms
- Initiatives & Networks
- Individuals
- Organisations & Associations
- Media
- ...

During project implementation the project team performed a revision of the predicted communication actions, due to two main challenges:

1. in some EU countries Mobility European Week seems to be receiving less attention by municipalities, and losing the ability to mobilize broad groups of society;
2. while the AeroSolfd proposal predicted a AeroSolfd bus tour across countries, the extreme costs uprise after COVID and during Russia-Ukraine war inhibited the possibilities of executing this action due to the budget limits.

A meeting was held with the EU project officer to revisit the goals proposed by the project and revise the communication actions, still keeping in mind the goals to cover at least 8 cities, implementing 10 communication events/actions, and reaching in total more than 8000 people. A plan of communication actions was discussed and approved by the EU project officer, which is presented in the table 1. This plan included the development of several communication actions within different locations.

Within this framework, the purpose of this Deliverable is to present the different communication actions developed by AeroSolfd partners in the different EU countries during the project, to reach the different target audiences.

Table 1 Awareness Raising Actions Planned

No.	City	Leading Partners	Date	Action	Nº people reached
1	Ljubljana	LPP	September 2024	Event together with City of Ljubljana (September 2024) and personalized bus promoting AeroSolfd, during the EMW and running for one month	Over 5.000
2	Amsterdam	CENEX		Technology Innovation Display Event  Workshop on Sustainability in collaboration with other Horizon Projects	Over 200  About 100
3	Valladolid	CARTIF  Ava, Auvasa	June 2024  September 2024	AeroSolfd project information stand at the open day in celebration of the 30h anniversary of Cartif  Information campaign of the Aerosolfd project in Valladolid's public transport system during EMW (500-1000 perching of Aerosolfd on buses + video + logo on 2 buses in 2 different lanes)	Over 200  Over 5.000
4	Barcelona	CSIC	June 2025	Awareness raising campaign (8400 posters in Barcelona)	Over 10.000
5	Condeixa-a-Nova	INTEC	May 2024	Fórum das Práticas Municipais de Qualidade de Vida	Less than 50
6	Lisbon	INTEC, ML	June 2025	Open workshop with transport and environmental stakeholders	Less than 50
7	Portugal	INTEC, ML	Setember-October 2023  April 2024  November 2025	Newspapers (news about the project and GA in Lisbon in October 2024)  Youtube video  Article in the magazine 'Segurança' (2025 Sept/Oct edition)	Over 2000  Over 2300  Over 2000 <sup>1</sup>
8	Karlsruhe	Steinbeis	November 2024	POLIS Conference (Nov 24)	Over 200 <sup>2</sup>
9	Sofia	SDA	September 2022 September 2023 September 2024	Presence in Mobility Week in all 3 years (2022, 2023, 2024)	About 600 (200 each year)
10	Aalborg	NFA	August 2024	Mobility Event. A workshop with a boot for AeroSolfd project	Over 200

## 2. OBJECTIVES AND EXPECTED IMPACT

### 2.1. OBJECTIVES

The objective of the AeroSolfd communication is to ensure effective communication with the general public. Air pollution is the result of complex systems, and solutions to the problem also require multilevel involvement. Accordingly, AeroSolfd has planned different communication materials to raise awareness on AeroSolfd solutions which can support action towards people concerns regarding

<sup>1</sup> Estimated number, considering that the magazine average number of readers is 3.500, covering the areas of Portugal, African Portuguese speaking countries and Brasil.

<sup>2</sup> The conference reached over 1.000 participants. We assume at least 20% were reached.

particles impact on health (as demonstrated by the survey results presented in D4.3). The actions presented here, aiming to reach over 8.000 people are complimentary to other communication actions, as AeroSolfd communication strategy included different communication channels to reach multiple, diverse populations. These include using digital (website, social media ) and printed materials (roll-up, flyers) presenting a variety of resources on air quality, air pollution prevention, and advocacy tailored to raise awareness on AeroSolfd solutions which can support action towards people concerns with particles negative impacts.

## 2.2. EXPECTED IMPACT

The key contribution of AeroSolfd's communication tools and materials is to support the public and market demand for retrofit solutions, which clearly benefits European society. Project results demonstrate AeroSolfd retrofit solutions can have a strong impact on the reduction of tailpipe and brake emissions, which will decrease health impacts and other societal and environmental negative impacts. Hence, the expected impact of the communication materials will be a better informed and empowered general public, so they start advocating for cleaner air, which consequently will advocate for incentive schemes or regulations to adopt retrofit solutions starting in 2025.

## 3. AWARENESS RAISING ACTIONS

The communication events and awareness raising actions covered 7 of the 8 EU member states represented by AeroSolfd consortium partners: Portugal, Spain, Germany, Netherlands, Denmark, Slovenia and Bulgaria.



Figure 1 AeroSolfd partner's location map

### 3.1. LJUBLJANA

LPP planned a first set of activities for the EMW in September 2024. During EUROPEAN MOBILITY WEEK LPP attendet several events. On 21st September 2024, LPP participated in the 'Future zero' event, in the Ljubljana city center, where new technologies and enviromentaly friendly solutions were presented to general public. LPP attendet this event with several presentations, including an oral

presentation performed on stage by Gregor Cunder. One of the presented novelty was filtration system developed within AEROSOLFD project. To general public there was presentation of the project LPP is part of. In detail presentation of filtration of brake particles was presented and all activities regarding this project were presented as well. There were some questions from public regarding filtration devices we answered.

Over 2500 people participated in the event, including more than 2500 general public and about 50 professionals. Information provided to the audience included general presentation about the project and specific answers about project filtration solutions (not only brake filtration, but also other solutions within aerosolfd project). Leaflets were distributed.

Additionally, a bus wrapped in Aerosolfd sticker was present on site. After this period the bus kept running in Ljubljana, and leaflets kept being distributed for a month.



Figure 2 AeroSolfd participation in Ljubljana European Mobility Week in 2024

### 3.2. AMSTERDAM

Cenex Nederland represented the EU Project AeroSolfd at the Mobility Fair and the Amsterdam InChange (formerly known as Amsterdam Smart City Demo Day). The event brought together experts, innovators, and partners, all focused on creating a sustainable, resilient, and inclusive future. The visitors were informed of innovative air filtration solutions for metro stations, vehicle tailpipes, and brakes developed by the EU Project AeroSolfd. To gain insights into the concept of Life Cycle Assessments (LCA) and their role in product sustainability, those interested, engaged in a game of the

Cyclum Vitae board game  
 (https://www.linkedin.com/feed/update/urn:li:activity:7259459440855154688).



Figure 3 AeroSolfd participation in Amsterdam Mobility Fair and the Amsterdam InChange, 2024

### 3.3.VALLADOLID

On the 17<sup>th</sup> of May, a news was publishes in a local newspaper online: <https://www.eldiadevalladolid.com/noticia/z3b7af751-b53a-c94b-d3629ebd055fc6d1/202405/aerosolfd-soluciones-para-mejorar-la-calidad-del-aire>. And on the 20<sup>th</sup> of May, Carlos Casado was interviewed by a local radio station Valladolid ‘vive radio’ and made available on podcast (<https://www.viveradio.es/podcastValladolid>).

AeroSolfd project was also part of the CARTIF 30<sup>th</sup> anniversary exhibition on 2024.



Figure 4 AeroSolfd advertised on news and during CARTIF anniversary exhibition 2024

AUVASA implemented an information campaign of the AeroSolfd project in Valladolid's public transport system during EMW in 2024 and continued running until October 2nd. Two buses, running in two different lanes were personalized with AeroSolfd logo, and a total 500-1000 perchings of AeroSolfd project were posted on buses.

The perchings were distributed in the following lines:

- L1= from 601 to 611
- L2= 409 - 410 - 411 - 412 - 413 - 414 - 415 - 230
- L3= 311 - 312 - 313 - 314 - 315 - 316 - 317
- C1= from 337 to 344



Figure 5 AeroSolfd advertised in Valladolid by AUVASA bus during EMW 2024



Figure 6 Perching displayed in buses in Valladolid

### 3.4. BARCELONA

The AeroSolfd advertising campaign took place in Barcelona from 23 to 30 of June, 2025. During that week, a total of 8,400 AeroSolfd posters were distributed: 8,000 in A3 format (29.7x42cm) in shops, and 400 in B1 format (70x100cm) on advertising columns.

The distribution areas included the following: Sarrià, Sant Gervasi, Gràcia, Les Corts, Sants, La Bordeta, La Campana, Sant Andreu, Fabra i Puig, Av. Meridiana, Via Júlia, Passeig Valldaura, Lluçmajor, Virrei Amat, La Sagrera, Navas, Pg. Maragall, Av. Mare de Déu de Montserrat, Ronda Guinardó, Ciutat Vella - El Raval, Via Laietana, Gran Via de les Corts Catalanes, Eixample Derecho, Eixample Izquierdo, Sant Antoni, Sagrada Família, Fort Pienc, Av. Paral·lel and El Poblenou.

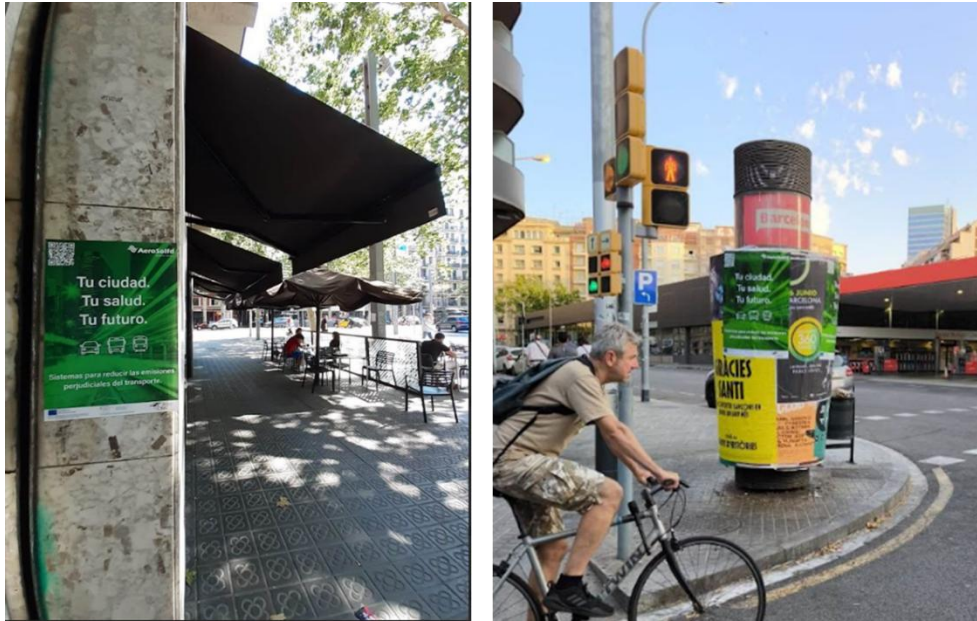


Figure 7 AeroSolfd posters in Barcelona

### 3.5.CONDEIXA-A-NOVA

In May 2024 AeroSolfd was present in Fórum das Práticas Municipais de Qualidade de Vida, an event organised by INTEC targeting municipalities. The AeroSolfd video was displayed in the event breaks and there was a specific table with AeroSolfd communication materials. The team had the chance to engage with several municipalities’ officers.



Figure 8 – AeroSolfd in INTEC event Fórum das Práticas Municipais de Qualidade de Vida, in Condeixa-a-Nova

### 3.6.LISBON

INTEC and Metro Lisbon organized a workshop which was held in Lisbon on 18<sup>th</sup> of June 2025. This event included talks of INTEC and Metro Lisbon, representing AeroSolfd project, but also of representatives of several CSO and public authorities including: CCDR-LVT (Lisbon regional authority); ANECRA (association of car retail and maintenance), TML (Lisbon Metropolitan Transport, public capital), ANTROP (association of people transport) and ZERO (Environmental NGO).

Even though the participation was short<sup>3</sup>, the event was recorded in video. Recording is being analysed and INTEC is preparing communication material about the event to be shared in September-October in INTEC website, after holidays.



Figure 9 - Photos of the event in Lisbon on 18<sup>th</sup> of June

### 3.7.PORTUGAL

During the 36 months of AeroSolfd project, several communication actions were performed in Portugal, considering 3 main periods:

- **September-October 2023**

<sup>3</sup> In Portugal, due to several public holidays in June a considerable amount of people take holidays at that time. Moreover due to good weather, several events happen in Lisbon at the time.

INTEC published an article EuroTransporte on September 26<sup>th</sup>, advertising the project and the GA meeting happening in Portugal in October 2023. Several news succeeded before the GA: news published between 20 and 28 September 2023 (<https://www.atlasdasaude.pt/noticias/intec-integra-projeto-europeu-para-melhoria-da-qualidade-do-ar>; <https://aipor.pt/4564-ha-um-projeto-europeu-que-melhora-a-qualidade-do-ar>); another article was released in October 17<sup>th</sup> in Diário de Notícias, one of the most relevant Portuguese Newspapers (<https://www.dn.pt/opinioao/por-um-futuro-mais-limpo-e-saudavel-17186021.html>). Two articles were published after the GA meeting: in October 27 in Jornal Económico (a widespread Portuguese Newspaper), October 30<sup>th</sup> in Ambiente Magazine, and November 1<sup>st</sup> in Away Magazine referring to the project and the event (<https://leitor.jornaleconomico.pt/noticia/projeto-de-cinco-milhoes-de-euros-para-melhorar-a-qualidade-do-ar-ja-esta-a-ser-testado-no-metro-de-lisboa>; <https://www.ambientemagazine.com/o-metro-de-lisboa-surge-automaticamente-como-parceiro-natural-do-projeto-aerosolfd/>; <https://away.iol.pt/cronica/opinioao/dalila-antunes-um-passo-sustentavel-para-a-saude-dos-cidadaos/20231101/65420ccbd34e65afa2f71072>).

- **April 2024**

Metro de Lisboa developed a promotional video about AeroSolfd project, which was displayed in youtube channel in April 2024. A total number of 2.300 visualisations was counted at January 2025.

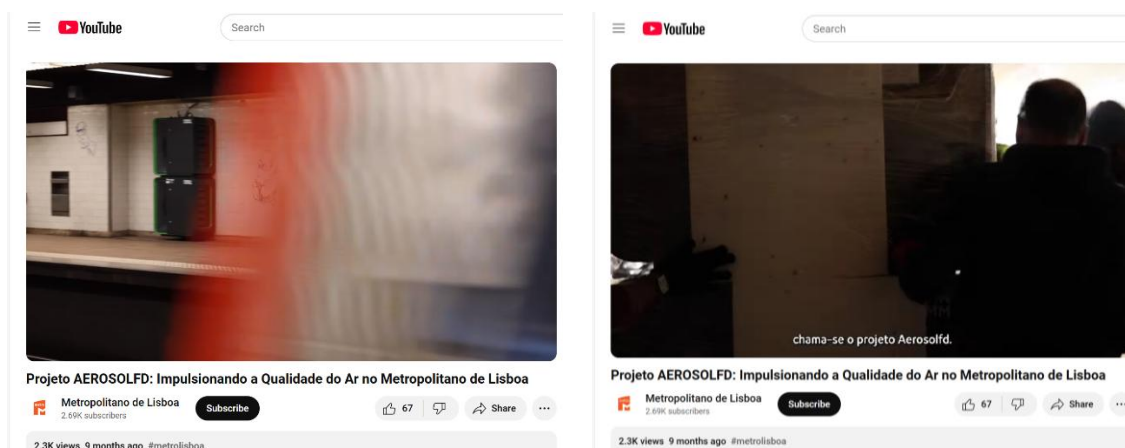


Figure 10 AeroSolfd video developed by Metro de Lisboa and posted in youtube in April 2024

- **November 2025**

An article was developed to revista Segurança which will be published in October 2025 (the magazine is not published on a monthly basis). This magazine is selected by covering a more broader public than the transport sector.

### 3.8.KARLSRUHE

As part of the AeroSolfd Project's commitment to public engagement and dissemination, a key awareness raising action was carried out during the POLIS Conference 2024, held on 27–28 November in Karlsruhe, Baden-Württemberg, Germany. Represented by Steinbeis Europa Zentrum, the AeroSolfd consortium participated in Europe's leading sustainable urban mobility event, which gathered over 1,000 participants from across the public and private sectors.

At the AeroSolfd stand in Hall 4, attendees were introduced to the project’s retrofit solutions aimed at reducing transport related emission in urban areas. This action provided a valuable opportunity to engage with mobility experts, practitioners, and decision-makers, raising awareness of AeroSolfd’s contribution to cleaner urban air and healthier cities.

To enhance visibility and engagement, the Steinbeis team prepared a variety of promotional materials including:

- Giveaways: branded chocolates and AeroSolfd stickers.
- Printed materials including flyers, posters, brochures, and roll-ups.
- Digital content such as a video playlist showcasing AeroSolfd’s retrofit technologies and their impact on urban air quality

The event reached an estimated 200 individuals directly through the AeroSolfd booth, with broader visibility across the conference audience.



Figure 11 Impressions from the AeroSolfd Stand at the POLIS Conference Exhibition

### 3.9.SOFIA

In Sofia, the European Mobility Week (EMW) is still benefitting of lively events, reaching a wide range of society, namely considering families. The AeroSolfd partner SDA was present in EMW activities in Sofia covered by all the 36 months of the AeroSolfd project period (September 2022, September 2023 and September 2024).

Every year the project reached hundreds of local citizens, who were reached by the AeroSolfd visuals in SDA stand and by leaflets distributed by SDA team to the local citizens visiting the EMW fair in Sofia.

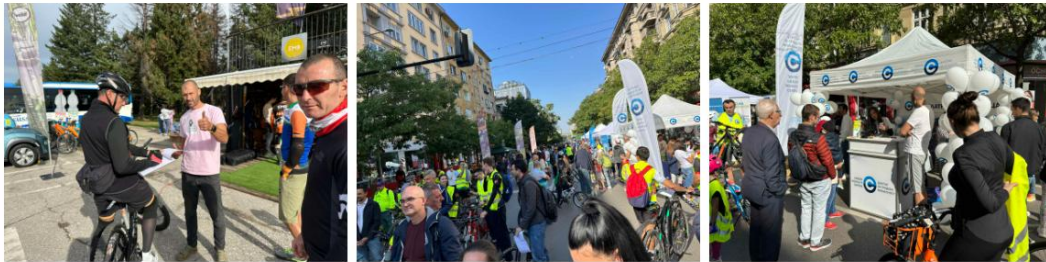


Figure 12 AeroSolfd participation in Sofia European Mobility Week in 2022, 2023 and 2024

### 3.10. AALBORG

EU Project AeroSolfd was represented at the Trafikdage event at Aalborg University in Denmark which brought together key players in the Danish transport sector to discuss issues in national transport policy and practice. AeroSolfd Danish partner, Det Nationale Forskningscenter for Arbejdsmiljø (NFA/NRCWE), presented our commitment to improving air quality in urban transport. The conference provided an excellent platform for exchanging ideas and exploring sustainable transport solutions



Figure 13 AeroSolfd participation in Aalborg in August 2024

## 4. DEVIATIONS FROM THE PLAN

As referred in section 1, the communication actions defined during proposal stage were reviewed due to international events that had an impact on market prices, which compromised the implementation of initially predicted awareness raising actions. A revised set of communication actions defined to attain the same scope and target goals set in the proposal was proposed by the AeroSolfd consortium in early 2024 and approved by the Project Officer. Target public reached was around 28.000 people.

## 5. LINKS WITH OTHER WPS

The AeroSolfd communication actions used the communication materials and templated developed under WP6. Contents were developed in close connection with other WPs, namely considering WP1, WP2 and WP3. WP5 provided guidelines for communications which were followed for the development of communication messages. WP4 also provide valuable inputs concerning the stakeholder requirements and challenges for AeroSolfd solutions market implementation which informed the communication strategy (e.g. cities air quality positive evaluation following the EU Air Quality Directive present an obstacle), citizens perceptions on air quality (high risk perception and high perception of municipalities inaction) which informed the strategy for communication, and products sustainability evaluation which were used in final communication actions.

## 6. CONCLUSIONS AND RECOMMENDATIONS

Several communication actions and events were performed by the AeroSolfd consortium targeting general public. It covered cities in an area of 7 EU countries and reached over 27.000 European citizens, which emphasises the success of the AeroSolfd project on disseminating the values, policies and effort of EU on the improvement of the environmental quality in general and air quality in particular.

The maintenance of actions enhancing public awareness is critical to value cities' investment and local policies supporting the implementation of actions which can motivate societies to reach the new targets set by the European Directive in Air Quality (Directive 2024/2881 - Ambient air quality and cleaner air for Europe).

## APPENDIX – additional information from projects

### LJUBLJANA

- Materials produced for the awareness raising actions

#### ZASNOVA

V okviru projekta AeroSolfd bodo predstavljene tri nadgradnje, ki bodo prispevale k zmanjšanju emisij, povezanih s prometom.

Te nadgradnje predstavljajo ključne tehnologije v prehodu na vozila brez izpušnih plinov z elektrifikacijo, in bodo pomembne, dokler ne bodo uvedeni ukrepi za zmanjšanje emisij, ki niso povezane z izpušnimi plini.

Na dolgi rok bodo nadgradnje zavornih sistemov in zaprtih okoljskih sistemov še naprej igrala pomembno vlogo v elektrificiranih cestnih in železniskih vozilih.

#### Zmanjšanje emisij v smeri trajnosti

emisije iz izpušnih cevi	emisije iz zavora	onesnaževanje v [pol]zaprtih prostorih
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Boj čist zrak v mestih

Z uvedbo teh treh nadgradenj se hitro dosežejo rezultati za čistejši mestni zrak. S tem se zmanjša celoten zdravstveni in okoljski vpliv obstoječega voznega parka.

Izvedena bo celovita ocena trajnosti, ki bo zajela okoljske, zdravstvene in družbene vidike, v skladu s cilji Evropskega zelenega dogovora in cilji trajnostnega razvoja Združenih narodov (SDG). Pristop bo temeljil na oceni življenjskega cikle in oceni tveganja, pri čemer bodo upoštevani tako delavci kot splošna populacija. Rezultati bodo pripomogli k dokumentiranju izboljšav na področju trajnosti in družbenih koristi.

**SLEDITE NAM**

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Co-funded by the European Union

Project funded by  
Schweizerische Eidgenossenschaft / Confederation Suisse / Confederazione Svizzera / Confederaziun Svizra / Swiss Confederation  
Federal Department of Economic Affairs, Education and Research / BMBWF / Ministerstvo za izobraževanje, znanost in inovacije / This work has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI)

aerosolfd-project.eu

Figure 14 AeroSolfd Flyer in Slovene, front page

## O NAS

**AeroSolfd** AeroSolfd je projekt Horizon Europe, podprt s strani Evropske komisije v okviru sporazuma št. 101056661.


Projekt je inovacijska akcija, osredotočena na razvoj tržnih rešitev za nadgradnje, ki bodo z učinkovitimi filtracijskimi napravami takoj zmanjšale škodljive vplive prometnih emisij na zdravje in okolje.

AeroSolfd bo predstavil cenovno dostopne, enostavne za namestitve in okolju prijazne rešitve za nadgradnjo za zmanjšanje:

- emisij iz izpušnih cevi
- emisij iz zavor
- onesnaževanja v (pol) zaprtih prostorih

Konzorcij iz devetih evropskih držav, ki ga koordinira MANN+HUMMEL, je združil moči za hitro uvedbo, tako da bodo ljudje v Evropi in širše lahko že do leta 2025 uživali v bolj okolju prijazni mobilnosti.


## AEROSOLFD REŠITVE ZA NADGRADNJO



Filter delcev v izpušni cevi

**REŠITVE ZA NADGRADNJO IZ-PUŠNIH CEVI**


Projekt AeroSolfd bo razvil in demonstriral stroškovno učinkovite filtre za nadgradnjo izpušnih cevi. Ti bodo zamenjali podlažni dusilec ter znatno zmanjšali emisije delcev (PN) pri obstoječih bencinskih vozilih v mestnih voznih parkih z veliko prevoženimi kilometri, ki trenutno vozijo brez filterske tehnologije (Euro 6c in starejši).



Filter delcev zavornega prahu

**REŠITVE ZA NADGRADNJO ZAVOR**

Obstoječi in preizkušeni koncept pasivnega filtra za delce zavornega prahu (BDPF) za osebna vozila bo prilagojen za uporabo pri zavorah avtobusov in gospodarskih vozil. Uporabljeni bodo okolju prijazni krožni oblikovalski pristopi.




Stacionarni čistilnik zraka


**REŠITVE ZA NADGRADNJO (POL)ZAPRTIH PROSTOROV**

Za zmanjšanje količine finih delcev v (pol)zaprtih prostorih, kot so metro postaje, bo AeroSolfd železniškim, metro in avtobusnim podjetjem ali upravljavcem zagotovil učinkovite stacionarne čistilnike zraka.


## PARTNERSTVO




MANN+HUMMEL




AUVASA




Instituto de Valladolid




CATIF




cenex




Ceresol




idoc




STEINTEC




Info




LINK




LPP




Hugo Boss




City of Valencia




City of Madrid




City of Barcelona



City of Rome



ZE



ZE




Figure 15 AeroSolfd Flyer in Slovene, back page



## AeroSolfd razvija rešitve za 3 zmanjšanje emisij, povezanih s prometom.

### Naše rešitve za nadgradnjo



filtration devices



Filter delcev iz izpušnih cevi



Filter delcev zavornega prahu



Stacionarna rešitev za čiščenje zraka



Figure 16 Screenshots from promotional video in Slovene

AMSTERDAM

- Materials produced for the awareness raising actions



Figure 17 Design of textil backdrop for mobility fair stand



Figure 18 - A0 Poster prepared for the mobility fair

In this event also the project roll-up was displayed, together with business cards and flyers .

## VALLADOLID

- Materials produced for the awareness raising actions

Steinbeis prepared the designs for the vinyls and perchings shown below:



Figure 19 Design of lateral vinyl for the buses in Valladolid

TAMAÑO REAL ESCALA 1:1

**OBSERVACIONES:**

Ha de colocarse el arte **TODO EN UNA SOLA CAPA ACOPLADA** (capa diseño, recuadro rojo) diferente de la capa Bus que va en la diagramación.  
Los textos **vectorizados** sea PDF ó Illustrator, a su tamaño (100%)  
Sin sangre ni cruces de corte. Impresión de gran formato, **NO** necesita ni sangre, ni cruces de corte.

ZONA PARA DISEÑO



LA LINEA ROJA INDICA EL ESPACIO QUE OCUPA LA CARTELERÍA

**NO ACOPLAR LAS CAPAS - TRAZAR LAS TIPOGRAFÍAS**



LATERAL IZQUIERDO 300x60 // LATERAL DERECHO 130x60

Figure 20 Vinyl Design - back side of one of the buses running in Valladolid



Figure 21 Vinyl Design for the second bus running in Valladolid



• Figure 22 Perching design created by Steinbeis for the awareness raising action in Valladolid

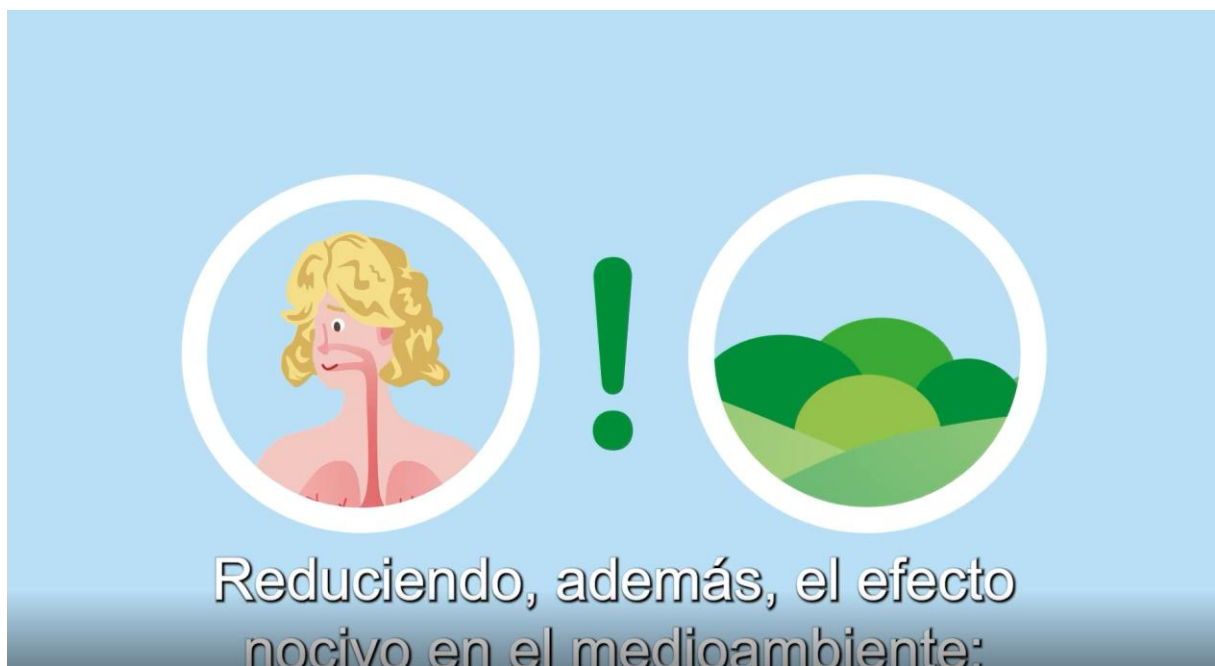


Figure 23: Screenshot of project video prepared with simplified Spanish subtitles and larger font

## BARCELONA

- Materials produced for the awareness raising actions



Figure 24 A3 Poster designed for the awareness raising campaign in Barcelona

- Map for for the awareness raising actions

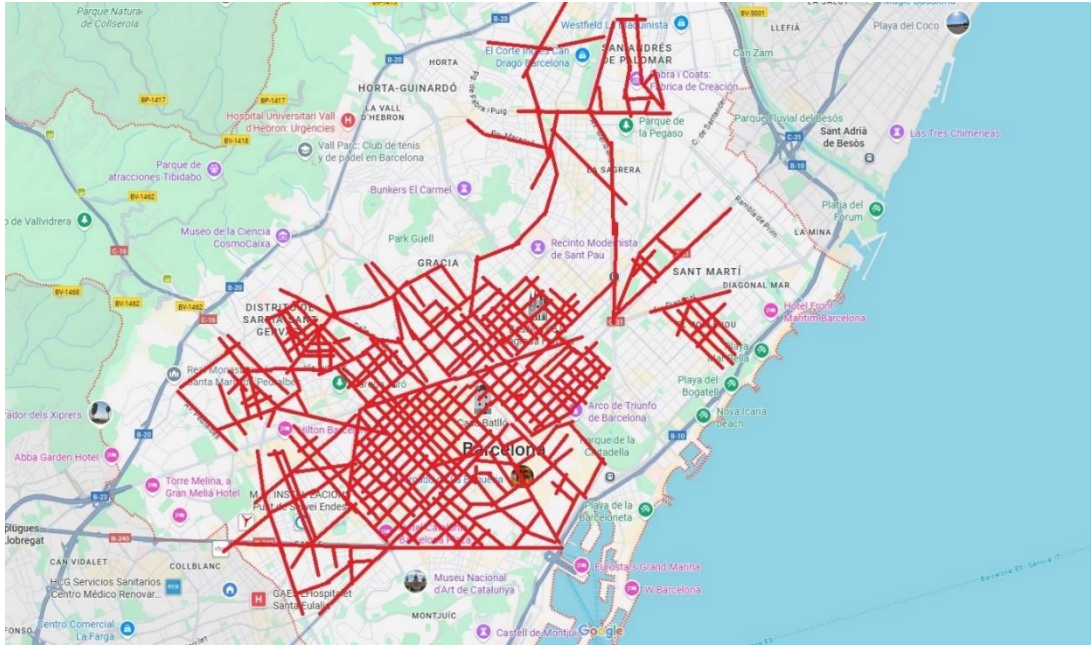


Figure 25 A3 Map representing the area of the awareness raising campaign in Barcelona

## CONDEIXA-A-NOVA

- Materials produced for the awareness raising actions

## Fast track to cleaner urban air

### ABOUT

AeroSolfd is a Horizon Europe project supported by the European Commission under grant agreement No 101056661. The project is an innovation action focussing on developing market-ready retrofit solutions to immediately decrease the harmful effects on health and the environment of transport-related emissions with effective filtration devices.

AeroSolfd will deliver affordable, easy-to-install and environmentally friendly retrofit solutions to reduce

- tailpipe emissions
- brake emissions
- pollution in (semi-)closed environments

A full sustainability assessment will be carried out, covering environmental, health and social dimensions, in line with the EU Green Deal objectives and the UN Sustainable Development Goals (SDGs). The approach is based on environmental and social lifecycle assessment (LCA) and risk evaluation, considering workers and the general population.

A consortium from nine European countries, coordinated by MANN+HUMMEL, has joined forces to realize the quick deployment so that people in Europe and beyond can benefit already by 2025 from a more eco-friendly mobility.

**Co-funded by the European Union**

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

Project funded by Schweizerische Eidgenossenschaft Confédération suisse Confederazione Svizzera Confederaziun svizra Swiss Confederation

Federal Department of Economic Affairs, Education and Research, EKAJ Swiss Secretariat for Education, Research and Innovation SERI

The work of the Swiss participants has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI).

**TAILPIPE RETROFIT SOLUTION**

AeroSolfd project will develop and demonstrate cost-efficient tailpipe retrofit filters. These will replace the underfloor silencer to reduce Particle number (PN)-emissions by large amounts in existing gasoline vehicles of the high mileage urban fleets currently driving without any filter technology (Euro 6c and earlier).

**BRAKE RETROFIT SOLUTION**

An existing and proven passive brake dust particle filter (BDPF) concept for passenger vehicles will be modified for bus and commercial vehicle brake applications. Eco-friendly circular design approaches will be used.

**(SEMI-)CLOSED ENVIRONMENTS RETROFIT SOLUTION**

To decrease the amount of fine particles in (semi-)closed spaces like metro stations, AeroSolfd will provide railway, metro and bus companies or operators with effective stationary air purifiers.

Figure 26 - A4 AeroSolfd Info Sheet

The project roll-up was displayed, together with business cards.

## LISBON

- Example of materials produced for the awareness raising actions



**José Monteiro Limão** • 1st  
 Comunicação e Imagem  
 2mo • Edited •

⋮

A não perder! É já esta quarta-feira, dia 18 de junho, a conferência Redução de Partículas - Políticas para o Futuro do **EU Project AeroSolfd**. A Diretiva ...more




## REDUÇÃO DE PARTICULAS Políticas para o futuro

**Registo**  
[luis.aguiar@institutointec.pt](mailto:luis.aguiar@institutointec.pt)

18/06/2025

14:00-17:00

Auditório da Fac. Psicologia - UL Cidade Universitária

**Programa**

14H00 - RECEÇÃO E CAFÉ  
 14H30 - ABERTURA  
 14H40 - DIRETIVA DA QUALIDADE DO AR  
 IMPLICAÇÕES PARA OS MUNICÍPIOS PORTUGUESES  
**Francisco Ferreira, Associação ZERO/CENSE-NOVA FCT**  
 15H00 - SOLUÇÕES DO PROJETO AEROSOLFD  
**Francisco Nobre, INTEC / Tomé Canas, Metro de Lisboa**  
 15H30 - MESA REDONDA - Moderação: José Limão  
 POLÍTICAS, PROMOÇÃO E IMPLEMENTAÇÃO DE SOLUÇÕES  
**Lúisa Nogueira, CCDR-LVT / Luís Cabaço Martins, ANTROP  
 CML\* / TML\* / Roberto Gaspar, ANECRA**  
 16H30 - ENCERRAMENTO E CAFÉ

\* a confirmar

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**Project Funded by**  
 European Research and Innovation Agency  
 ERAC - European Research and Innovation Agency  
 ERAC - European Research and Innovation Agency

14

Figure 27 - Dissemination of the Lisbon event

## PORTUGAL

- Example of materials produced for the awareness raising actions

# PARTÍCULAS INVISÍVEIS

## DESAFIOS E SOLUÇÕES

DALILA ANTUNES  
 INTEC – Instituto de Tecnologia Comportamental  
 Factor Social, Lda.

FRANCISCO NOBRE  
 INTEC – Instituto de Tecnologia Comportamental

LUIS AGUIAR  
 INTEC – Instituto de Tecnologia Comportamental

Em julho, a Faculdade de Psicologia da Universidade de Lisboa recebeu o encontro Redução de Partículas: Políticas para o Futuro, no âmbito do projeto europeu AeroSofld. Um evento moderado pelo Dr. José Monteiro Limão, que contou com a participação do Professor Francisco Ferreira (ZERO / CENSE-NOVA FCT), da Eng.ª Luísa Nogueira (CCDR-LVT), do Eng.º Luís Cabaço Martins (ANTROP), do Dr. Sérgio Pinheiro (TML) e do Dr. Roberto aspar (ANECRA).



Figura 1- fotografia do evento Redução de Partículas – Políticas para o Futuro

A poluição atmosférica e, em particular, as partículas finas e ultrafinas, invisíveis, que circulam no ar que respiramos constitui um problema silencioso, mas de enorme impacto. Estima-se que, todos os anos, 67 milhões de pessoas morram em todo o mundo devido a estas partículas, sobretudo por doenças do coração e dos pulmões. As chamadas PM2.5 são tão pequenas que escapam à vista, mas não ao organismo. Penetram profundamente nos pulmões, passam para a corrente sanguínea e podem desencadear doenças respiratórias, cardiovasculares e até alguns tipos de cancro. Em Portugal, segundo a Agência Europeia do Ambiente, a poluição atmosférica é responsável por cerca de seis mil mortes prematuras todos os anos — um número que não podemos ignorar.



AeroSofld é um projeto do programa Horizonte Europa, financiado pela Comissão Europeia ao abrigo do acordo de subvenção n.º 101056661. As opiniões e pontos de vista expressos são exclusivamente da responsabilidade do(s) autor(es) e não refletem necessariamente os da União Europeia ou da Agência Executiva Europeia para o Clima, Infraestruturas e Ambiente (CINEA). Nem a União Europeia nem a autoridade financiadora podem ser responsabilizadas pelos mesmos.

[www.revitaseguranca.eu](http://www.revitaseguranca.eu)

segur 2025 7878

Figure 28 – First page of the article published in Segurança magazine

## KARLSRUHE

- Materials produced for the awareness raising actions

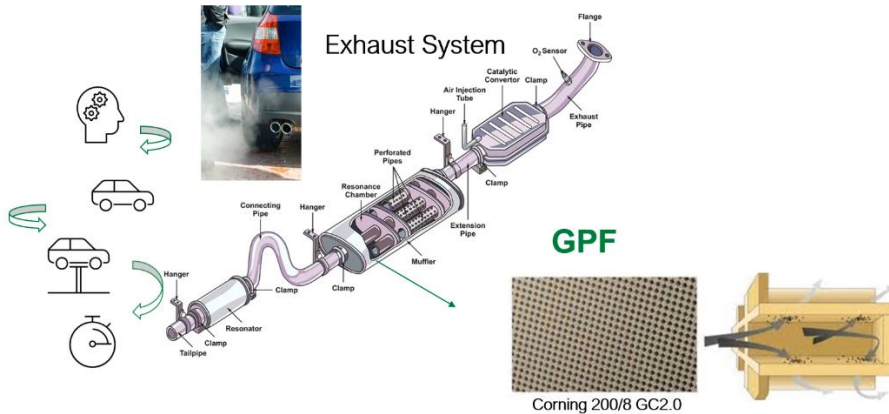
## CONSORTIUM

- 17 Partners
- 9 Countries
- About a dozen demo sites



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## TAILPIPE RETROFIT SOLUTION



(Rubino, L. et al, 2023)

Co-funded by the European Union | Project funded by... | © 2022-2025 AeroSolfd Consortium Partners | 7

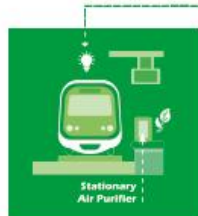
Figure 29: Screenshots of the slide show prepared for the video playlist displayed at the POLIS Conference



**TAILPIPE  
RETROFIT SOLUTION**  
Cost-efficient tailpipe retrofit filters will be developed. These will replace the under floor silencer to reduce Particle number (PN)-emissions by large amounts in existing gasoline vehicles of the high mileage urban fleets currently driving without any filter technology (Euro 6c and earlier).



**BRAKE  
RETROFIT SOLUTION**  
An existing and proven passive brake dust particle filter (BDPF) concept for passenger vehicles will be modified for bus and commercial vehicle brake applications. Eco-friendly circular design approaches will be used.



**(SEMI)-CLOSED ENVIRONMENTS  
RETROFIT SOLUTION**  
To decrease the amount of fine particles in (semi)-closed spaces like metro stations, AeroSolfd will provide railway, metro and bus companies or operators with effective stationary air purifiers.



Figure 30: 970x2365 mm Design for the AeroSolfd Stand at the POLIS Conference



**Explore our Interactive Map and find out more about our retrofit solutions.**



[www.aerosolfd-project.eu](http://www.aerosolfd-project.eu)



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**Project funded by**

Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

The work of the Swiss participants has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI).

Federal Department of Economic Affairs,  
Education and Research DARE  
State Secretariat for Education,  
Research and Innovation SERI



Figure 31 Poster A0, vertical for the POLIS Conference



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**Project funded by**  
 Schweizerische Eidgenossenschaft  
 Confédération suisse  
 Confederaziun Svizra  
 Confederaziun Jura  
 Swiss Confederation

The work of the Swiss participants has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI).

Figure 32 Poster A0, horizontal for the POLIS Conference



Figure 33 Giveaways, stickers and decoration at the AeroSolfd stand

During this event, the project roll-up was also displayed, flyer and business cards were distributed.

### AALBORG

- Materials produced for the awareness raising actions

**AEROSOLFD LEVERER LØSNINGER TIL AT:**

**Bæredygtighed (miljø, mennesker, økonomi)**

- reducere emissioner fra udstødning → Partikelfilter → Renere luft
- reducere støv fra bremsene → Bremsestøvfilter → Renere luft
- reducere luftforurening i overdækkede rum → Stationær luftreenser → Renere luft

**Co-funded by the European Union**

**Project funded by**

- Schweizerische Eidgenossenschaft
- Confédération suisse
- Confederazione Svizzera
- Confederaziun svizra
- Swiss Confederation
- Federal Department of Economic Affairs, Education and Research EAER
- State Secretariat for Education, Research and Innovation SERI

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Swiss participant(s) in the AeroSolfd project are co-funded by the Swiss State Secretariat for Education, Research and Innovation (SERI), respectively.

Figure 34: Visual in Danish prepared for social media promotion of the Traffic Days in Aalborg

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in EU Project AeroSolfd

X @aerosolfd

@aerosolfd.eu

filtration devices

Tailpipe Particle Filter

**TAILPIPE RETROFIT SOLUTION**

AeroSolfd project will develop and demonstrate cost-efficient tailpipe retrofit filters. These will replace the underfloor silencer to reduce Particle number (PN)-emissions by large amounts in existing gasoline vehicles of the high mileage urban fleets currently driving without any filter technology (Euro 6c and earlier).

Brake Dust Particle Filter

**BRAKE RETROFIT SOLUTION**

An existing and proven passive brake dust particle filter (BDPF) concept for passenger vehicles will be modified for bus and commercial vehicle brake applications. Eco-friendly circular design approaches will be used.

Stationary Air Purifier

**(SEMI)-CLOSED ENVIRONMENTS RETROFIT SOLUTION**

To decrease the amount of fine particles in (semi)-closed spaces like metro stations, AeroSolfd will provide railway, metro and bus companies or operators with effective stationary air purifiers.

**Co-funded by the European Union**

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Climate, Infrastructure and Environment Executive Agency (CINEA). Neither the European Union nor the granting authority can be held responsible for them.

Project funded by

The work of the Swiss participants has received funding from the Swiss State Secretariat for Education, Research and Innovation (SERI).

Figure 35 A0 Poster prepared for the Traffic Days in Aalborg

A shorter version of the project video was prepared for this event. The project roll-up was displayed, together with business cards and project flyers.