

Partnering Opportunity

Profile status : Published

Research Development Request

Horizon Europe – consortium looks for transport operator (bus/metro) providing a demo site as well as for research organisation to carry out surveys among bus and metro users, for a project to reduce brake polluting emissions from bus and in metro stations

Summary

A German company active in the field of filtration systems looks for partners for a project proposal under the call - HORIZON-CL5-2021-D5-01. Aim is to assess and improve air quality at bus and metro stations by reducing the amount of fine particles from bus and train brakes. The company searches for a transport operator providing their bus or metro stations as demo site as well as for a research organization who can conduct surveys to assess the personal perception of bus and metro users.

Creation Date	29 June 2021
Last Update	30 June 2021
Expiration Date	14 July 2021
Reference	RDDE20210629001
Public Link	https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/87811644-b68f-41fa-8a6d-ea03c54beff4

Details

Description

A German company with many decades of experience in filtration is planning to submit a proposal under the call -

Ref: RDDE20210629001

HORIZON-CL5-2021-D5-01 - Clean and competitive solutions for all transport modes; topic - HORIZON-CL5-2021-D5-01-15 - Development and demonstration of cost affordable and adaptable retrofit solutions for tailpipe and brake polluting emissions.

In accordance with the call the project will tackle the problem of pollution in form of brake particles, as brakes of road and rail vehicles are a major source of the emission of large quantities of fine particles, including heavy metals and resins. These particles - especially in underground or semi-closed environment, tunnels and train and metro stations – contribute to poor local air, soil and water quality, which has a serious impact on the health of citizens and workers as well as on buildings.

The planned project aims to address this issue with a demand-driven innovation action that has the following main objective:

Provide public transport organisations with affordable, easy to install retrofit solutions to reduce 90% of fine particle emission in semi-open and closed areas like train and metro stations

To complete the consortium the German company is looking for two different types of project partners:

1. Private/public Transport Operator (metro operator / bus operator (in inner cities) who provides their bus stations/metro stations as a demo site. The demo site will be equipped with the necessary hardware.
2. Research partner for the assessment of the specific contribution of brake particles on local air and water quality. Focus of the partner should be the citizen science contributions, by involving metro and bus users in surveys about their personal perception.

Deadline for Eols: 14 July 2021

Deadline of the Call: 14 September 2021

Keywords

Technology

10001002	Assessment of Environmental Risk and Impact
10002002	Outdoor Air Pollution/Treatment
10002007	Environmental Engineering / Technology
10002008	Measurement and Detection of Pollution

Market

08004001	Air filters and air purification and monitoring equipment
09001007	Other transportation

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

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Open for EOI: **Yes**

Dissemination

Relevant sector groups

Environment
Mobility

Client

Type and Size of Organisation Behind the Profile

Industry >500 MNE

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

1. Transport Operator (bus or metro) who will provide their station as demo site.
2. Research Organisation who will assess impact of brake particles on local air and water quality and especially the perception of the users of the transport modes.

Type and Size of Partner Sought

SME <10

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Transport (including aeronautics)

Call title and identifier

Call: HORIZON-CL5-2021-D5-01 - Clean and competitive solutions for all transport modes.

Topic ID: HORIZON-CL5-2021-D5-01-15 - Development and demonstration of cost affordable and adaptable retrofit solutions for tailpipe and brake polluting emissions

Submission and evaluation scheme

Innovation Action, single stage

Coordinator required

No

Deadline for EOI

14 Jul 2021

Deadline of the Call

14 Sep 2021

Attachments