

Partnering Opportunity

Profile status : Published

Research Development Request

Seeking a consortium for H2020 Green Airports call to demonstrate and develop green airway heating solutions

Summary

A Finnish economic development corporation is searching for a multidisciplinary consortium or a coordinator of consortium to apply for the call H2020 LC-GD-5-1-2020 Green Airports & Ports, to research, test and pilot green airway heating solutions. The potential consortium might include partners with the appropriate complementary knowledge and skills and they might be industry, consultancy, airport/port authorities, universities, academia etc. under research cooperation agreement.

Creation Date 12 November 2020

Last Update 13 November 2020

Expiration Date 31 December 2020

Reference RDFI20201112001

Public Link <https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/cbccb6e6-9596-4357-a5a0-102be8c9cf08>

Details

Description

This partner's interest for this call focuses on green solutions for airports in the northern hemisphere, where winter storm conditions typically negatively influence airport capacity through delays and/or cancellations, due in part to runway closures caused by pavement surface conditions. Conventional ice and snow removal practices are labour intensive and have environmental concerns such as possible contamination of nearby water bodies for highway and airport pavements. Chemicals used today include so-called formates, compounds of either sodium and formic

acid (solid granular material), or potassium and formic acid (liquid de-icer). They are applied to the moist or wet surface before freezing sets in.

This EDC would like to test, demonstrate and pilot the following activities:

- Low-emission energy use for keeping the airports operational during the winter conditions (heated pavement system e.g. by using geothermal waters) and collecting heat from the runway during the summer months (needs 2 more actions from the transport side).
- Demonstrating integration of new solutions with operations, green and smart logistics and infrastructures and enhancing green land planning and use (e.g. unmanned freight drone aircrafts).
- Measuring and modelling (future prediction, explanation of response) changes in the region's greenhouse gas and energy balances caused by heating field plots & detect the area in terms of GHG concentrations and ground condition from air with drones / satellite.
- Energy efficient facilities for green energy production to power the built environment and infrastructure incl. runways, terminal, warehouses, hangars.

The Finnish EDC is looking for a multidisciplinary consortium or a coordinator with a consortium that is planning to submit a proposal for the European Green Deal Call under H2020 LC-GD-5-1-2020 Green Airports & Ports. Potential partners are for example

- industry
- consultancy,
- airport/port authorities,
- universities,
- academia etc.

partners who are applying for the call H2020 LC-GD-5-1-2020 Green Airports & Ports and have complementary idea or project concept. The complementary idea or project concept might be related for example decreasing pollution, reduce greenhouse gas emission in aviation etc. The potential cooperation form is research cooperation agreement.

This Finnish economic development corporation (EDC) is a public utility of the city in western part of Finland and implementing the city's industry and employment policies by promoting activities for enterprise, employment and business in the region. Their role is to help companies and clients to succeed in their business and develop. They work closely with the companies in the region to support their growth. In the region there is a regional airport that is operated by a private company. Now in cooperation with the companies in the region, this EDC aims at making the airport a Living Lab test environment for future innovation and technology.

Deadline for the call: 26 January 2021.

Deadline for the express of interests for this call: 31 December 2020.

Advantages and innovations

- this organization has previous experience and practical involvement in H2020 proposal writing and development.
- they have also wide experience on several other EU-projects, acting as a coordinator, a partner and a stakeholder.
- at the moment they are participating Transnational Cooperation Project related to air traffic
- they are also acting as a stakeholder for an international project related to electric regional aviation
- this organisation has also extensive cooperation networks both among private companies and public stakeholders to add value to the development for this proposal.

- pilot concept has been introduced at the EU Commission and at the Ministry of Transport and Communications of Finland, and it has raised strong interest among those both.

Stage of development

Concept stage

Keywords

Technology

10002002

Outdoor Air Pollution/Treatment

10002013

Clean Production / Green Technologies

Market

09001001

Airlines

NACE

H.51.2.1

Freight air transport

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

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Open for EOI: **Yes**

Client

Type and Size of Organisation Behind the Profile

Other

Year Established

2001

Turnover

1 - 10M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

Finland

Partner Sought

Type and Role of Partner Sought

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All participating airports or ports must be from different EU member states and/or associated countries.

The EDC would like to contribute to the projects as partner and their focus is to research, test and pilot a green airway heating solutions for airports in the northern hemisphere.

Type and Size of Partner Sought

SME 11-50, University, R&D Institution, SME <10, >500 MNE, 251-500, SME 51-250, >500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

Horizon 2020 European Green. Area 5 - Sustainable and Smart Mobility. Call: LC-GD-5-1-2020
Green Airports & Ports as multimodal hubs for sustainable and smart mobility

Submission and evaluation scheme

Single state

Anticipated Project Budget

15-25 ME for the whole project

Coordinator required

Yes

Deadline for EOI

31 Dec 2020

Deadline of the Call

26 Jan 2021

Weblink to the call

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/lc-gd-5-1-2020;callCode=H2020-LC-GD-2020;freeTextSearchKeyword=;matchWholeText=true;typeCodes=1;statusCodes=31094501,31094502,31094503;programmePeriod=null;p>

Attachments
