

Partnering Opportunity

Profile Status: Published

Research & Development Request

H2020 LC-MG-1-13-2020: Decarbonising long distance shipping

Summary

A UK company and clean ocean foundation have formed a consortium to apply for the H2020 call aimed at decarbonising long distance shipping, by designing, building and fielding a new solar and wind powered craft. They are seeking a wide array of partners including ship builders and experts in solar panels, wind turbines and navigation systems, and ship builders as end users (ferries, cargo, tankers or cruise) to join the consortium via research cooperation agreement.

Creation Date 16 August 2019
Last Update 27 August 2019
Expiration Date 01 December 2019
Reference RDUK20190816001

Public Link https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/fa1c3b54-8ff2-486e-

aad1-f530d9093f31

Details

Description

The long awaited move to reduce Green House Gas (GHG) emissions from shipping presents innovators with a challenging task. Current solutions include the use of energy efficiency measures and alternative fuels applied to old hulls. But these solutions are not enough to achieve UN target reductions due to their limited potential. Current reduction measures for NOx and SOx emissions are often achieved with solutions that increase GHG emissions.

An international team led by a UK based company and a clean ocean foundation has been formed to apply for , are looking for the H2020 call Decarbonising long distance shipping (LC-MG-1-13-2020), in order to design, build, and field a faster solar and wind powered craft based on the Elizabeth Swann concept.

They are seeking a wide range of collaborators to complete their consortium, including experts in:

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- 1. Solar panel design and energy management
- 2. Propellers and motors
- 3. Construction in marine alloys (welded ship or yacht builders).
- 4. Wind turbines
- 5. Stressing of the hull
- 6. Tank testing
- 7. Satellites for comms and navigation excellence
- 8. Navigation instruments with a leaning toward collision avoidance
- 9. Low drag paints

They are also seeking ship builders as end users to test the vessel, for example ferries, cargo, tankers or cruise ships, to join the bid via research cooperation agreement.

The deadline for the first stage of the call is 9 January 2020.

The deadline for expressions of interest in this call is 1 December 2019.

Keywords

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02002013	Ouriace	ti Cati i Ci i	pan ili ig,	gaivano,	polisi ili ig,	O V D, .	/

02009005 Shipbuilding

02009006 Traction/Propulsion Systems

02009008 Navigation and embedded systems

10002004 Climate Change mitigation

Market

06003001 Solar/thermal energy

06003003 Wind energy

08002001 Energy management

08002002 Industrial measurement and sensing equipment

08003006 Power transmission equipment (including generators & motors)

NACE

C.30.1.1 Building of ships and floating structures
C.30.1.2 Building of pleasure and sporting boats

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H.50.1.0 Sea and coastal passenger water transport
 H.50.2.0 Sea and coastal freight water transport
 M.74.1.0 Specialised design activities

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Pawel Zebrowski

Phone Number

+48 91 449 43 64

Email

pzebrowski@zut.edu.pl

Open for EOI: Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

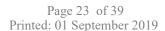
Yes

Languages Spoken

English

Client Country

United Kingdom







Partner Sought

Type and Role of Partner Sought

Type: Industry

Activity: Ship building/Navigation systems/solar power/wind turbines

Specific role of partners sought: Contribute towards the design, construction and testing of a

new solar powered vessel, aimed at decarbonising long distance shipping

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy

Call title and identifier

Decarbonising Long Distance Shipping ID: LC-MG-1-13-2020

Submission and evaluation scheme

Two-stage

Coordinator Required

Νo

Deadline for EOI

01 Dec 2019

Deadline of the Call

01 Jan 2020

Weblink to the Call

https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/lc-mg-1-13-2020

Project Title and Acronym

Climate Change Challenger



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