

Research & Development Request

ERA-NET Cofund on Raw Materials (ERA-MIN 2) based on the ERA-NET Cofund scheme under Horizon 2020:

Advances toward the Development of Sustainable Asphalt Production with the Recycle of Solid Wastes Originated from a Sugar Refinery

A Turkish R&D Institution is currently working on preparing a proposal under the ERA-NET Cofund on Raw Materials (ERA-MIN 2) based on the ERA-NET Cofund scheme under Horizon 2020 that deals with the development of cost-effective and environmentally friendly asphalts with calcium compounds recovered from solid wastes originated from a sugar refinery. This solid waste is created while the removal of undesired components from sugar resource and mostly based on calcium compounds which can be used as an ingredient of asphalt. Conservation of natural resources for raw materials help to make asphalt the environmental pavement of choice. The institution is looking for industrial and/or academic partners with expertise on one or more of the project components and for an industrial partner with access to factories that have valuable and useful solid waste and/or asphalt factories.

The following dates apply for this Call for R&I proposal: Call text publication	November 15, 2019
Call for proposals opens	November 28, 2019
Call for proposals closes	March 12, 2020 at 17:00 CET
Communication of results to non-eligible applicants	April 16, 2020
Communication of Call results	June 30, 2020
Recommended latest date for project start	December 1, 2020

Details

Description

The Turkish Institution which is one of the leading Institutions of Turkish conducts fundamental and technological research that is focused on cutting-edge areas of science, specific needs of industry and the environment. The Institution has a long-standing experience in R&D projects.

ISFALT attaches great importance to Research and Development studies and these studies are carried out together with universities, TUBITAK, KGM (General Directorate of Highways). The company also works on new asphalt techniques with the AR-GE unit, which is located in our own country, and presents new projects to the service of the society.

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ISFALT received TS EN ISO / IEC 17025, a new regulation of TSEN45001 standard, which shows the accreditation of the laboratory services, in January 2002. On this page, the results of all tests related to asphalt are officially recognized.

The project aims towards the development of cost-effective and environmentally friendly asphalts with calcium compounds recovered from solid wastes originated from a sugar refinery. This solid waste is created while the removal of undesired components from sugar resource and mostly based on calcium compounds which can be used as an ingredient of asphalt. To this goal, various asphalts having different waste ratios will be developed and tested to optimize their capacity.

At the moment Isfalt is looking for additional industrial and/or academic partners with experience and expertise on one or more of the project components: supply of different solid waste, manufacturing of innovative and sustainable asphalt, testing (in-situ and ex-situ), life cycle assessment and cost-benefit analysis. In addition, the Institution seeks an industrial partner with access to factories creating wastes and able to manufacture and test asphalt. The collaboration offered is a research cooperation agreement.

- Deadline for this partnership call: 27 January 2020

Network Contact

Issuing Partner

ISFALT Inc. and YEDITEPE UNIVERSITY

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Client

Type and Size of Organisation Behind the Profile

R&D Institution

Year Established

1986

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Turkish

Client Country

Turkish

Project Title and Acronym

Advances Toward the Development of Sustainable Asphalt Production with the Recycle of Solid Wastes Originated from a Sugar Refinery (DeSAP-ReW)