

## HAFTALIK DUYURULAR

### 2018-EEN-9

**Title: Partner Search for Erasmus+ EU programme. Key Action 2: Strategic partnerships in the field of education, training and youth: “Transforming Educational Programmes For Future Industry 4.0 Capabilities”**

**Description:** The main objectives of this project are two-folded. The first objective is to update/develop new educational plans for the educational programmes/courses at the partnering educational institutions. The aim is to ensure that the content of the educational programmes/courses are aligned with the future needs for ‘Industry 4.0’ capabilities in industry. The second objective is to identify and test new tools and teaching approaches, e.g., digital technologies, case-based teaching, and various forms of collaboration across the different technical domains. The teaching approaches should support and stimulate the candidates’ ability to develop an understanding of their future role in Industry 4.0, based on their technical domain. During the project, the partners will share their best practices in the field and build upon these. To ensure the long-term sustainability and adoption of the teaching material and approaches, the project will arrange seminars for teachers/educators/faculties from the partnering institutions during the project period.

**Partner Sought:** The capabilities for Industry 4.0 must be trained and taught at the different levels in the educational system. This project will focus on higher education at universities and university colleges with a technical profile. The project will build on existing experiences and educational programmes/courses at the different partners in the consortium.

**Deadline: 28.03.2018**

### 2018-EEN-10

**Title: Partner Search for EUROSTARS: IT partner to make a commercial tool from free 4Test model-based testing application (RDHU20180105001)**

**Description:** A Hungarian SME specialized in software testing and repackaging is preparing a project proposal under H2020 EUROSTARS2. The R&D project is about further developing a Gherkin-based model-based testing (MBT) tool 4Test. The company is looking for a reliable IT company specialized in software testing and software development to join for R&D collaboration. The task is to further develop an MBT tool.

**Partner Sought:** The company would like to extend the 4Test unique free tool with features which makes the tool very professional and sellable. The required programming languages are JavaScript and Java. Software testing knowledge at a service provider level is a significant advantage.

**Deadline: 10.02.2018**

## 2018-EEN-11

**Title: Partner Search for SME Instrument: Industrial partners which need (and are required by law) to remediate agricultural soils**

**Description:** A UK company develops a product range that bio-remediate agricultural soils contaminated by industrial activity. Very large areas of agricultural land in Europe are affected and can no longer be used for agriculture unless they are decontaminated and the soils rehabilitated for the intended use.

The company prepares a SME Instrument project for the rehabilitation of land contaminated with fly ash (this is the waste generated by mining Lignite) as there are many areas in Europe where Lignite waste has been dumped over many decades in land that should have been used for agriculture. It aims at submitting it by the next cut-off in February.

**Partner Sought:** The company is looking for either formal project partners (i.e. other SMEs eligible for participating) or larger enterprises who can be contracted out later. Company is looking for industrial partners which need (and are required by law) to remediate agricultural soils contaminated by industrial activity.

**Deadline: 08.02.2018**

## 2018-EEN-12

**Title: Partner Search for H2020: LC-SC3-RES-12-2018 - Manufacturer of heat pipe heat exchangers required to complete project consortium (RDUK20180102001)**

**Description:** An East of England research centre is developing a proposal for the LC-SC3-RES-12-2018 call. The project aims to develop technology for geothermal power to ensure flexible, resilient, intelligent and smart operation.

**Partner Sought:** They require a manufacturer of heat pipe heat exchangers to complete the consortium. The partner will be required to develop the heat exchanger to transfer the heat from the geothermal fluids to a storage facility.

**Deadline: 06.02.2018**

## 2018-EEN-13

**Title: Partner Search for CE-SC3-NZE-2-2018: Companies and RTDs with expertise in hydrogenation of CO<sub>2</sub> process and conversion from methanol to gasoline processes (RDES20171222002)**

**Description:** A Spanish technological centre is a non-profit, private technological centre with large trajectory in international cooperation. The centre has coordinated 19 of the total 35 participated European projects from FP6 to Horizon 2020 including LIFE and ECO-Innovation programs. The main R&D fields where the centre develops its activities are nanotechnology, new materials and advanced-environment technologies. They are preparing a project proposal (H2020-CE-SC3-NZE-2-2018) that aims to develop new bifunctional catalysts based on metallic nano-oxides supported as well as improved and tailored zeolites to be used in the conversion process from CO<sub>2</sub> to liquid fuels.

**Partner Sought:** The organization is looking for:

- SME/Industry suppliers of CO<sub>2</sub>: industries that emit large quantities of CO<sub>2</sub> in their production processes,
- industries suppliers of hydrogen: industries that release hydrogen as by-product in their production processes,

- SME or RTD with expertise in treatment and purification of CO2 stream,
- RTD with expertise in hydrogenation of CO2 process, and
- RTD with expertise in methanol to gasoline conversion processes..

**Deadline: 15.08.2018**

## 2018-EEN-14

**Title: Partner Search for EUROSTARS: R&D partners for developing sensor-embedded seat for automobile (RDKR20171212001)**

**Description:** A Korean SME specialized in manufacturing seat frames and components for automobile, is preparing a project proposal under the EUROSTARS2 programme. The R&D project proposal is about developing sensor embedded automotive seats to comply with the need for technology development that measures health condition such as heartrate, respiration and stress level of the driver's. The company wishes to cooperate with a partner that has sensor technology including noise cancellation function, as well as physical analysis function. The Korean company has been supplying seat frames to Hyundai Motor, one of the biggest automobile manufacturers in Korea. Based on their several international business experiences, the company is able to comply with automobile safety regulations of Korea, the United States and Europe.

**Partner Sought:** Company or institute with expertise and experience in sensor technology is welcomed to join the consortium for R&D collaboration.

**Deadline: 20.02.2018**

## 2018-EEN-15

**Title: Partner Search for H2020 MIGRATION-05-2018-2020 integration challenges for migrant children: Operative, institutional and R&D partners are sought (RDIT20171227001)**

**Description:** A partnership led by an Italian operator with a consolidated experience in the education and integration of migrants, and including a Greek operator, is preparing a proposal under the call H2020 MIGRATION-05-2018-2020 to analyze and develop policy recommendations for school integration policies in a multicultural society, tackling the issue of migrant pupils.

The proposal intends to analyze the situation of the integration process of foreign minors in the different school contexts at EU level, integrating knowledge and experience from different countries both where the issue is present for a long time and where it is raising in more recent years, in order to identify good practices and deficiencies at different levels and dimensions (policies, measures, regulations, approaches). A second goal is to gain, by means of specific surveys, a better understanding of the individual condition (pedagogical, psychological) of different migrant pupils (from existing migration cohorts, children of refugees and asylum seekers, and unaccompanied minors, including those residing in hotspots and reception centres) in order to identify situations of dis-integration and to enable personalised measures. The third pillar of the project is to set up a systematic bottom-up process to collect, compare and share indications from different operators (school personnel, public and private operators, local and central institutions) by the activation of Local Working Groups to consider the impact of different factors (i.e. standard of living, housing, pedagogy, psychology, etc.).

The final goal of the project is the elaboration and transfer of the main findings to policy makers and other stakeholders at different territorial and institutional levels.

**Partner Sought:** The proponents intend to extend the partnership to countries involved in the phenomenon of immigration, with particular attention to the presence of accompanied and unaccompanied minors, and to involve different subjects who are an active part, albeit at different levels, of the process of school integration: 1) Organizations / associations of the public/private sector that provide services to the immigrant population; 2) Educational and Social institutions involved in policy definition and implementation; 3) Research organisations, particularly with pedagogical and psychological expertise on this field. A European vision of the issues and a complete mastery in your own country is necessary.

**Deadline: 28.02.2018**

## 2018-EEN-16

**Title: Partner Search for CE-SPIRE-10-2018: Companies and RTDs with expertise in polymers/polyvinyl butyral additives characterization, modification and recycling are sought (RDES20171222001)**

**Description:** The institute is preparing a project proposal to the call CE-SPIRE-10-2018: Efficient recycling processes for plastic containing materials (IA). The main goal of the project is to develop and design a sensor capable of sorting post-consume polyvinyl butyral in different grades according to its composition and/or properties, enabling the reuse of the recycled polyvinyl butyral in high quality and high consume applications, such as automotive and construction. The first idea is that this sensor could be based on a combination of laser-induced breakdown spectroscopy and infrared technologies.

Other objectives to be achieved in the project should be:

- To develop new activators to separate the post-consume polyvinyl butyral into 3 or more categories according to their composition and/or properties.
- Design, construction and implementation of the separation module and integration into the polyvinyl butyral pilot recycling line.
- Development of new physic-chemical steps to refine the recycled polyvinyl butyral in 3 different formats: powder, dispersion and pellet in order to broad its reuse introducing them in different applications.
- Demonstration of the obtained final products in real industrial application.
- Development of life cycle assessment and life cycle costing on the obtained final products.

**Partner Sought:**

- SME/Industry or RTD partners experts in polyvinyl butyral processing and applications,
- SME/Industry partners devoted to the production of laminated polyvinyl butyral,
- SME/Industry partners devoted to the manufacturing of glass with laminated polyvinyl butyral,
- education training experts for dissemination and learning resources for undergraduate level and lifelong learning programmes, and
- SME or RTD with expertise in regulation and standards for recycled polymers.

**Deadline: 23.01.2018**

## 2018-EEN-17

**Title: Partner Search for H2020-EIC-FTI-2018-2020: Companies with expertise in machinery and equipment production for agro-alimentary industries and experts in automation lines of spraying and coating technologies are sought (RDES20171213002)**

**Description:** A Spanish technological centre is preparing a project proposal (H2020-EIC-FTI-2018-2020) that aims to develop an innovative nanocoating for fully operative agro-alimentary industrial lines. The centre has developed an innovative nanocoating and combines some of the most promising technologies for new-generation coatings in the European industry, including functionalized nanoparticles and sol-gel technologies, among others. This nanocoating provides easy-to-clean properties and antimicrobial activity to the surfaces where it is applied. The technology has been successfully proven in relevant environment demonstrating that TRL6 has been already achieved. The project aims to adapt the technology to technical requirements of agro-alimentary production lines and equipment, thus assuring that the main problems on cleaning affecting this sector will be correctly tackled and effectively solved. Optimisation of coating application's method and yields during industrial-scale application needs to be worked on, in order to achieve a tailored, consistent and replicable method for the final application of the coating in real industrial environments.

**Partner Sought:**

- SME/Industry devoted to the design, development, fabrication of parts, automation, start up and/or maintenance of food processing lines.
- SME/Industry with expertise in the automation of coatings application by spraying.

**Deadline: 01.02.2018**

## 2018-EEN-18

**Title: Partner Search for DT-RUR-12-2018: ICT Innovation for agriculture - Digital Innovation Hubs for Agriculture - R&D and business partners sought with expertise in area of ICT-based solutions for Precision Agriculture (RDBG20171109001)**

**Description:** The project aims to promote Digital Innovation Hubs (DIHs) in agriculture. A DIH helps companies become more competitive by improving their business/production processes, products and services through the use of digital technologies. DIHs link user companies and technology suppliers through offering of services to test and experiment with advanced technologies and thus producing innovative products/solutions. The main focus of the project is on intersectoral collaboration regarding innovative technologies that need to be customized, integrated, tested and validated not only by technology developers but also the farming community before they are placed on the market. Special emphasis is placed on the strengthening of European start-ups and SMEs: by adopting new concepts linked to innovative agri-business and / or service models, and connecting them with actors that can provide access to finance, advanced training skills, knowledge and needs of the farming community. The project will establish a network of Agro-Centres based on IT platform and link companies

(SMEs) producing drones and sensors for precision agriculture, universities, scientific organisations having experimental farms and experts, NGOs, etc. The network will offer consultations and services of precision agriculture of the farming community.

**Partner Sought:** The consortium is looking for R&D partners and companies having expertise and know-how in precision agriculture, experimental farming, experience of using sensors, drones, robots, sensing applications for precision agriculture with role to test and experiment innovative precision agriculture technologies and implement them on-site - in order to create an active network pooling ICT and agricultural technologies and creating added value and competitiveness.

**Deadline: 05.02.2018**

## 2018-EEN-19

**Title: Partner Search for CE-SC5-06-2018 – Industrial partner sought for recovery of natural gas (CH<sub>4</sub>) from flue gas which is continuously flared in oil and gas processing environments giving rise to severe environmental emissions (RDUK20171207002)**

**Description:** A UK University will research on the economic viability of using gas to wire technology as an integral component of gas flare management. The objective is to evaluate the technological feasibility and economic viability of purifying potential flare gas and using the recovered components as raw materials for other processes. The aim is to significantly decrease the volume of gas flared in oil and gas processing environments, increase process selectivity, and higher recovery rates of valuable raw materials in the form of methane and other valuable chemicals (critical raw materials) thereby unlocking substantial reserves of new or currently unexploited/underexploited resources within the EU. Moreover, the project aims at significantly increasing economic performance of such processes, while also improving significantly the health, safety and environmental performance of the operations throughout the whole life cycle which is considered, including a reduction in waste, and emissions generation and a better recovery of resources from generated waste.

**Partner Sought:** The University seeks 1 further industrial partner from the chemical processing industry and in the oil and gas sectors to develop the processes and technologies for recovery of natural gas.

**Deadline: 31.01.2018**

## 2018-EEN-20

**Title: Partner Search for H2020 SC5-20-2019: Research institutions, NGOs and/or SMEs for H2020 Hubs of Entrepreneurship call (RDBA20171108001)**

**Description:** An institution specialized in (i) social and economic development (ii) climate change, (iii) waste management, (iv) energy, and (v) environmental protection is searching for an innovative partner with expertise in social innovation, entrepreneurship and/or energy efficiency to apply for H2020 project. It is a B&H based leading multi-disciplinary development institution with a staff of 35 full-time professionals. The organization has more than 15 years of experience in environment, energy, and economic development studies. The organization also has offices in Serbia with successfully implemented projects through-out the region.

This project plans to develop, demonstrate and document strategies, approaches and solutions to re-activate and re-generate historic urban areas and cultural landscapes by fostering innovation by relevant start-ups, cultural and creative industries, including from the digital technologies sector, small scale advanced manufacturing producers and local 'makers', craft workshops, etc. for adaptive re-use and leverage of heritage assets and social integration. Project aims to involve local populations, research centres, SMEs, NGOs, appropriate authorities, innovators and universities.

**Partner Sought:** SMEs, NGOs, R&D institutions are sought as partners. Project partners should have experience in preparing and implementing H2020 proposals. Project partners should have specific experience and expertise in one or more of the following topic:

- Social Innovation
- Entrepreneurship
- Climate action
- Environment
- Resource efficiency

Project partners are expected to contribute to:

- Development of strategies and approaches for regeneration of historic areas;
- Crafting solutions for building start-up hubs and cultural/creative industries in the mentioned areas

**Deadline: 31.03.2018**

## 2018-EEN-21

**Title: Partner Search for ERA-Net TRANSCAN-2: Medical research institute with expertise in efficacy and safety tests for skin cancer treatment is sought (RDDE20180111001)**

**Description:** The ERA-NET Call TRANSCAN-2 addresses the challenges related to research and treatment in rare cancers. Within aim 2 of the call proposals should address the development and exploitation of translational research platforms (e.g., patient derived xenograft models/organoids/tissue collections) to study drug responses/resistance and toxicity, and perform drug screens or repurpose approved anticancer drugs. German SME in cooperation with a Belgian university hospital searches for a third consortia partner to address ERA-NET Call TRANSCAN-2 on treatment of rare cancers. First partner, acting as coordinator, is an SME from Germany (winner of SME instrument funding), that developed a novel medical device based on transdermal application. Transdermal application is a non-invasive and contact-free technology that facilitates effective penetration of active substances/molecules through skin layer to reach a target tissue. Second partner is the dermatological department of a Belgian university hospital. In cooperation both partners already reached first promising results for treatment of skin-cancer by administration of chemotherapeutic agents through transdermal application. The new therapeutic approach is the treatment of T-cell lymphoma by transdermal application of MTX (methotrexate).

**Partner Sought:** A research institute or university is sought as project partner to carry out safety testing, dose finding and/or mode of action studies for the transdermal application of MTX in animal trials or by using skin models. Appropriate alternative innovative approaches for testing can also be discussed.

**Deadline: 06.02.2018**

## 2018-EEN-22

**Title: Partner Search for H2020-SC5-2018-2019-2020: Industrial partners with expertise in recycling and recovery of secondary raw materials from end-of-life products (RDES20180109001)**

**Description:** A Spanish university is preparing a project proposal under the topic CE-SC5-08-2018-2019-2020 "Raw materials policy support actions for the circular economy", focused on the search for sustainable, green and environmentally safe approaches to more efficient and economically viable recycling rates of secondary raw materials from end-of-life products, in particular in the nuclear industry, envisaging their eventual gradual partial substitution.

**Partner Sought:** The identified profile sought for new partners is medium-sized companies or SMEs headquartered in north or eastern European countries with expertise in the recycling of batteries and energy storage devices and components, landfill mining and/or radioactive waste.

**Deadline: 31.01.2018**

## 2018-EEN-23

**Title: Partner Search for Project on virtual training in project management with the goal to enhance "internationalization at home" is searching for a lead partner for Erasmus+ KA2 program (RDBA20171213001)**

**Description:** Higher educational institution (HEI) from Bosnia and Herzegovina is searching for a lead partner (preferably university or R&D institution) in a consortium comprised of 15 institutions from Europe to apply for Erasmus+ KA2 program. The main objective of the project is to increase "internationalization at home" for the HEI, by developing HR capacities in the field of project management (writing applications and conducting a project). This project aims to overcome the gap between the internationalization imperative and the existing capacities of universities to implement this, by enhancing "internationalization at home". This will be done through pilot initiatives to develop international communities (young researchers, administrative and academic staff), who will engage in the project development and management. In order to do so, this project aims to develop institutional capacity and expertise to approach international project management by enhancing the capacity of human resources in the area of project development and implementation.

**Partner Sought:** The consortium comprised of 15 partners is looking for a lead partner from Program or Partner country for Erasmus+ projects. It should be a university or R&D institution with the ability to dedicate its time to main project management duties, since it is a demanding task to handle 15 partners from 8 different countries. The main task of the lead partner is to continuously coordinate project partners, organize meetings, manage procedures for administrative and financial management of the project, monitor progress and lead on internal project reporting in order to adjust project activities when necessary. The leading partner will have to efficiently manage the project and will be responsible for day-to-day management and coordination, drafting of the progress and final reports to the Commission.

**Deadline: 08.02.2018**

## 2018-EEN-24

**Title: Partner Search for Erasmus +: looking for partners in the field of school education, bilingual schools and didactic applications developer focused on the coming European “green” energy model for School Education (RDES20171205001)**

**Description:** A Spanish SME working on initiatives regarding hydrogen and fuel cells, and with experience in European and national R&D management, is going to present a proposal to the Erasmus+ call. The overall objective of the Project is to offer a training focused on the coming European “green” energy model for School Education. The company experience in R&D management in the field of environment and energy, includes participated in almost 20 projects at national level, and in more than 10 international projects. In the field of education, they are participating in 3 Erasmus + projects and develops its own course directed for high education. The project aims to introduce the importance of climate change and air quality and the present and future contribution of renewable energies and energy storage systems (emphasizing on hydrogen and fuel cells market) for applications and end users.

**Partner Sought:** The consortium already has 2 Spanish Educational Centres, and 1 Enterprise specialized on renewable energies. They are looking for 2 partner types: Bilingual Educational Centres, English is high recommended. As the project is directed to young students (14-17 year old), the centres should have students on that years range. Enterprise focused on didactic applications (web/mobile apps) to develop the ICT tools.

**Deadline: 21.02.2018**

## **2018-EEN-25**

**Title: Partner Search for Horizon 2020 NMBP-15-2019 - Designing new methods and tools for production of an alternative for nickel compounds (RDUK20171207001)**

**Description:** A UK University aims to design and develop a new method of production for a new raw material under the call H2020 NMBP-15-2019 to replace nickel compounds deregulated due to health, safety and environmental consequences of its use, thus reducing the environmental, health and safety risks and increasing the performance. Risk management involves quantifying hazard (toxicity) and exposure, and taking the necessary steps to reduce both to acceptable levels, ideally at an early stage of the nanomaterial development process (Safe-by-Design). Various industrial sectors, and in particular structural or functional materials, coatings and cosmetics, as well as pharma and health technology are currently searching for ways to mitigate possible risks from nanomaterials and nano-containing products.

The challenge now is to distil existing methods into simple, robust, cost-effective methods for monitoring and modelling of physical-chemical properties and biological effect assessment of nanomaterials in relevant use conditions including in product-relevant matrices.

The project will result in a new safe by design method that enable reduction of hazard and exposure through design to an acceptable risk level without affecting the material performance and guide development of safer products at different stages.

The methods will need to be demonstrated and validated in the relevant environment for which a participation of an industrial partner in the field of chemical processing is necessary.

**Partner Sought:** They are seeking an industry partner in the field of chemical processing, ideally specialised in processing nickel compounds and with appropriate facilities. Roles

will be; Provide the relevant environment to validate low-cost techniques for delivering an integrated exposure driven risk assessment and the associated design of the required post-use monitoring, Provide data/samples for analysis, Guide or support with designing a new reactor etc. This work will need to be carried out at research facility or a University institute

**Deadline: 31.03.2018**

## **2018-EEN-26**

**Title: Partner Search for [EUROSTARS2] A Korean company specializing in compound semiconductor substrates and templates is seeking a partner to integrate power electronic devices on their substrates. (RDKR20171206001)**

**Description:** he Korean manufacturer of compound semiconductor substrate (a supporting material on which a circuit is formed or fabricated) and template has been in the semiconductor industry for the past 10 years. The company produces Gallium Nitride (GaN) wafer and template for HB (High brightness) LEDs and Power electronics applications. Another main product by the company is Aluminum Nitride(AIN) and Aluminium Gallium Nitride (AlGaN) template for UV LEDs and power electronics applications. The company has expertise in growth technologies of nitride semiconductors and mechanical polishing and chemical mechanical polishing technologies for the GaN, AIN, AlGaN compositions. The company is interested in finding partners to improve the quality of power electronic devices on the company's GaN substrate. The company has the technological expertise on GaN substrate and the potential partner would preferably have technological expertise on power electronic devices. As results of these cooperation, the Korean company will have a chance to improve the adoption effect of GaN substrate for power electronic devices and the possible partner will obtain the new version of power electronic devices with excellent properties at their application.

**Partner Sought:** Potential partner is expected to:

- develop and evaluate the power electronic devices on the company's GaN substrates using their own technology.
- give feedbacks to the Korean company about the results and request further necessary requirements to improve the product quality.
- develop and evaluate the power electronic devices on new GaN substrates with the potential partner's own technology and expertise.
- Expected result: evaluate the adoption effects of the Korean company's GaN substrate for Power electronic devices

**Deadline: 20.02.2018**