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ERA-MIN 2

Summary

Competition year :	2019-2020
Deadline (application) :	January 31st, 2019, 11 AM
Amount :	Maximum of CAD \$100 000 per year* see details
Duration :	Maximum of 3 years, non-renewable
Announcement of results :	May 14, 2019

Description of the grant

***Program rules that prevail are those of the PDF file .**

ERA-MIN 2 is a global, innovative and flexible pan-European network of research funding organisations, supported by EU Horizon 2020, that builds on the experience of the FP7 ERA-NET ERA-MIN which run from 2011 to 2015.

ERA-MIN 2 aims to support the European Innovation Partnership on Raw Materials, the EU Raw Materials Initiative and further develop the raw materials sector in Europe through funding of transnational research and innovation (R&I) activities. This will be achieved through calls designed and developed specifically for the non-energy, non-agricultural raw materials sector.

The network will address four key objectives:

- Support and promote R&I cooperation in Europe
- Reduce fragmentation of R&I funding in the area of non-energy, non-agricultural raw materials across Europe and globally
- Provide a pan-European support network and financial resources to improve synergies, coordination and collaboration
- Improve the efficiency and impact of human and financial investment in R&I activities in the area of Raw Materials.

The ERA-MIN 2 consortium consists of 21 funding organisations from 11 EU countries and 2 EU regions (Hermesfonds – Belgium/Flanders; FWO – Belgium/Flanders; Business Finland – Finland; ADEME – France; ANR –

France; JUELICH – Germany; GSI – Ireland; MIUR – Italy; NCBR – Poland; FCT – Portugal; UEFISCDI – Romania; CDTI – Spain; ICE – Spain/Castilla y León; AEI – Spain; MIZS – Slovenia; Vinnova – Sweden), one EU Associated country (TUBITAK – Turkey), and four non-EU countries (MINCyT – Argentina; Finep – Brazil; CONICYT – Chile; DST - South Africa). Please note that for the Joint Call 2018 additional Funding Organisations are participating (Table 1).

ERA-MIN 2 is supporting the EU's transition to a Circular Economy by addressing topics which are aiming at retaining the value of the raw materials that are used in products and returning them into the product cycle at the end of their use, keeping in mind the need for a sustainable and responsible industrial supply of primary resources to feed the circular economy.

ERA-MIN 2 will cover the entire raw materials value chain, from sustainable exploration, exploitation, processing, substitution of critical raw materials and resource efficient production to short-term economic feasible and low environmental impact recycling.

Content of the Call

The ERA-MIN Joint Call 2018 will address three segments of non-energy, non-agricultural raw materials:

- Metallic minerals
- Construction minerals
- Industrial minerals

Among the five main research topics supported by ERA-MIN Joint Call 2018, the FRQNT is committing into two of them: Design and Recycling and Re-use of End-of-Life Products.

See the pdf files for the complete information.

Topic 1	Topic 2
Design	Recycling and Re-use of End-of-Life Products
Indicative budget:	
14 040 000 €	
The research team [the consortium] must consist of at least three project partners eligible to request funding from the participating Funding Organisations of, at least, two different countries whereof one is an EU Member State or Associated Country.	
Each partner requesting funding must comply with the national/regional funding criteria and regulations of their respective Funding Organisation to ensure the eligibility of the consortium proposal.	

The evaluation procedures are designed to identify the best proposals in terms of scientific excellence, impact, quality and efficiency on the implementation, as thoroughly and accurately as possible.

Timeline

November 20 th , 2018	Call for proposals opens
January 31 st , 2019 – 11h	Call for proposals closes
May 14 th , 2019	Communication of Call results
November 1 st , 2019	Recommended latest date for project start

Research Targeted in the Call

Topic 1 : Design

The design of products has a high impact on resource efficiency. Within this topic we are seeking for proposals focusing on innovative product design that contribute to the efficient use of raw materials (eco-design), or the substitution of critical materials in products and components. In addition to the design of products which use fewer raw materials, proposals can address new design concepts focusing on the circularity of products. This includes aspects like the extension of the product durability or the facilitation of its re-use, remanufacturing or recycling. Attention should be paid to strategies and technologies for the substitution of 'substances of very high concern' (SVHCs) of the REACH regulation or substances for which a scarcity may be foreseen. Applicants should be able to quantify the expected impact of the new product design on resource efficiency, using appropriate metrics and life cycle thinking.

Topic 2 : Recycling and Re-use of End-of-Life Products

Recycling and Re-use of End-of-Life Products: (e.g. waste of electric and electronic equipment (WEEE), permanent magnets, complex metal alloys etc.) It is essential to turn the raw materials value chain into a materials cycle, where dissipation and waste are avoided as much as possible. A specific challenge is the recycling of raw materials from complex products. In this topic we are seeking for proposals to address this challenge through new concepts, technologies and services which increase the supply of raw materials, especially critical raw materials, recovered from products and components at the end of their life. Proposals could, for instance, focus on collection and logistic methods; efficient and innovative separation, physical sorting and pre-treating techniques; innovative and efficient hydro- and pyro-metallurgical processes for critical raw materials separation and extraction from end-of-life products. The marketing of used products or products made from recycling material may face economic, legal or psychological barriers which should be addressed if needed. Innovative

business models will be a major driver to overcome these barriers. It is expected that the assessment of the potential impact of the proposed innovation on raw materials efficiency considers the whole life cycle of the products. Proposals could furthermore address energy efficiency, environmental issues or social impact.

The complete information and rules are in the pdf file .

ERA_MIN Website

Latest update: May 2021



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