



ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

Acronym: ERA-MIN 2

Title: Implement a European-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy

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DELIVERABLE D2.1

CO FUNDED CALL DOCUMENTS REPORT

WP 2: Preparation and launch of the co-funded call

Task 2.3: Design and preparation of joint co-funded call

Task Leader: JÜLICH

Lead beneficiary: JÜLICH

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ERA-MIN 2 comprises a progressive, pan-European network of 21 public research funding organisations from 18 countries/regions (Argentina, Belgium-Flanders, Brazil, Chile, Finland, France, Germany, Ireland, Italy, Poland, Portugal, Romania, Slovenia, South Africa, Spain, Spain-Castile and León, Sweden and Turkey).

Built on the experience of the EU project ERA-MIN (2011-2015), **ERA-MIN 2** aims to enhance and strengthen the coordination of research and innovation programmes in the field of non-energy, non-agricultural raw materials (construction, industrial and metallic minerals) to support the European Innovation Partnership on Raw Materials, the EU Raw Materials Initiative and further develop the raw materials sector, in Europe and globally, through funding of transnational research and innovation (R&I) activities.

ERA-MIN 2 will support demand driven research on primary and secondary resources, and substitution of critical raw materials under a circular economy approach, to give the opportunity to the R&I community to apply to world-wide coordinated funding, gaining access to leading knowledge and new markets, while reducing fragmentation of R&I funding across Europe and globally. This will be achieved through one EU co-funded call for R&I proposals in 2017 and two additional calls, in 2018 and in 2019, designed and developed specifically for the non-energy, non-agricultural raw materials sector.

The objective of task 2.3 and **deliverable D2.1** was to reach a consensus on the scope of the call, eligibility criteria, timescales, the two-stage evaluation process and the evaluation criteria among the Call Steering Committee and to prepare the call documents. Due to the complexity it was decided to provide the necessary information for applicants in different documents which were made available on the website of ERA-MIN 2¹ on due date 1st February 2017:

- Call Text
- Guidelines for Applicants
- National/Regional Funding Regulations
- Form A_ERA-MIN Joint Call 2017_Pre-proposal Technical description
- Form B_ERA-MIN Joint Call 2017_Statement of Commitment
- Form C_ERA-MIN Joint Call 2017_Declaration of own funding

The **Call text** outlines the scope of the call including the objectives and expected impacts of the five main topics and the sub-topics. The topics of the ERA-MIN Joint Call 2017 are based on challenges and priorities identified in the ERA MIN Research Agenda which was developed by the previous EU project ERA-MIN (2011-2015), which is available on the ERA-MIN 2 website². It is in line with the relevant strategies, i.e. the EU Raw Materials Initiative, the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials³, as well as the national and regional priorities. Taking into account recent developments of

¹ <https://www.era-min.eu/call>

² https://www.era-min.eu/sites/default/files/publications/era-min_research_agenda.pdf

³ https://ec.europa.eu/growth/tools-databases/eip-raw-materials/en/system/files/ged/20130731_SIP%20Part%20I%20complet%20clean.pdf
https://ec.europa.eu/growth/tools-databases/eip-raw-materials/en/system/files/ged/1027%2020130723_SIP%20Part%20II%20complet_0.pdf



political strategies ERA-MIN 2 is supporting the EU's transition to a Circular Economy⁴ by addressing topics which are aiming at retaining the value of the raw materials we use 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.

This approach was discussed at the pre-kick-off meeting of ERA-MIN 2 on 27th October 2016 in Stockholm and approved by the Call Steering Committee (CSC). Based on this decision to focus the call on the supply of raw materials for sustainable development and the circular economy a draft call text was elaborated. Major emphasis was put on the discussion of topics and sub-topics with representatives of major initiatives and projects, related to the raw materials sector, gathered in the ERA-MIN 2 Advisory Board in order to ensure that the topics are relevant to key actors and EU goals. The members of the ERA-MIN 2 Advisory Board are (i) the Knowledge and Innovation Community (KIC) EIT RawMaterials, (ii) the Horizon 2020 CSA VERAM (2016-2018), (iii) the IMA-Europe - International Mining Association, (iv) EUROMINES - European Association of Mining Industries, Metal Ores & Industrial Minerals, (v) PROMETIA - International non-profit association in mineral processing and extractive metallurgy for mining and recycling of raw materials, (vi) EURIC - organisation for the recycling industries in Europe and (vii) IUGS – International Union of Geological Sciences. Collaboration with EIT RawMaterials was aimed at the coordination of research and innovation activities strengthening complementary support and avoiding duplication of efforts.

At the kick-off meeting on 2nd December 2016 members of the CSC, the Advisory Board and the European Commission discussed the scope of the call and elaborated further the draft call text by making concrete suggestions in order to improve the description of topics and sub-topics. The outcomes of these meeting provided a good basis to finalize the call text by the Joint Call Secretariat (FCT) in order to get the approval of the CSC and the European Commission.

The **Guidelines for Applicants** details the call sub-topics and explains the eligibility criteria, the submission, evaluation, selection and funding procedures, including the evaluation criteria and the call calendar in order to guide applicants through the two-stage submission and evaluation process. It includes as annexes the technical description of pre- and full-proposals (Form A) which has to be filled in online and submitted via the ERA-MIN electronic submission system⁵ and the Statement of Commitment (Form B) and the Declaration of own funding (Form C), which have to be signed and uploaded by applicants depending on their status.

The **National/Regional Funding regulations** were compiled in a separate document in order to make it easier for applicants to identify the specific funding regulations of their respective national/regional funding organisation.

The call documents were submitted to the European Commission for approval 30 days before publication of the Call. Prior to the submission to the Commission the final call documents were formally approved by the CSC. All call documents are included as annexes to this report.

⁴ http://europa.eu/rapid/press-release_IP-15-6203_en.htm

⁵ <http://www.submission-era-min.eu/>

The only change in the Call text (version 06.02.2017) was to correct the table 2 with the topics covered by the funding organisations. A new version of Guidelines for Applicants was provided on 05.04.2017 in which the Appendixes III, IV and V (Form A) were updated to be in line with the Electronic Submission System (ESS) developed for ERA-MIN 2. The ESS was available on March 2017 with new functionalities that were not foreseen at the publication date of the call. Even though the technical description of the pre-proposal (Form A) was submitted online, a word document was made available to facilitate the work of the project coordinator on the collection of information from partners. The National/Regional Funding regulations were updated on version 01.03.2017 to correct some details on the contact persons.

- Annex 1: Call text (version 06.02.2017)
- Annex 2: Guidelines for Applicants. (version 05.04.2017)
- Annex 3: National/Regional Funding regulations (version 01.03.2017)
- Annex 4: Form A_ERA-MIN Joint Call 2017_Pre-proposal Technical description
- Annex 5: Form B_ERA-MIN Joint Call 2017_Statement of Commitment
- Annex 6: Form C_ERA-MIN Joint Call 2017_Declaration of own funding





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TO FOSTER CIRCULAR ECONOMY

Annex 1: Call text (version 06.02.2017)



ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

ERA-MIN Joint Call 2017

**RAW MATERIALS FOR SUSTAINABLE DEVELOPMENT
AND THE CIRCULAR ECONOMY**

CALL TEXT

Link to [«ERA-MIN2 Calls»](#)

Link to the [Electronic Proposal Submission System](#)

For further information contact the Joint Call Secretariat:

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RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

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1. Introduction

The focus of the ERA-NET Cofund instrument under Horizon 2020 is the implementation of a single joint call for transnational collaborative research and innovation projects in selected areas, with high European added value and relevance for Horizon 2020. Therefore, the selected projects under the ERA-NET Cofund joint call receive top-up funding from the Commission.

ERA-MIN 2 “*Implement a European-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy*” is a progressive, pan-European network of research funding organisations that aims to develop the raw materials sector in Europe and globally. It builds on the experience of the FP7 ERA-NET ERA-MIN which was running from 2011 and 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 one co-funded call in 2017, as well as two additional calls in 2018 and in 2019, 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 eco-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 18 countries/regions (13 EU countries/regions, one Associated country, and four non-EU countries). Nine partners of ERA-MIN 2 were also partners in ERA-MIN and eight other partners have participated in EU funded ERA-NETs since FP6, which gives the network an extensive experience with the coordination of national and regional funding programmes through the launch of joint transnational calls thus contributing to reduce fragmentation of R&I efforts across Europe.

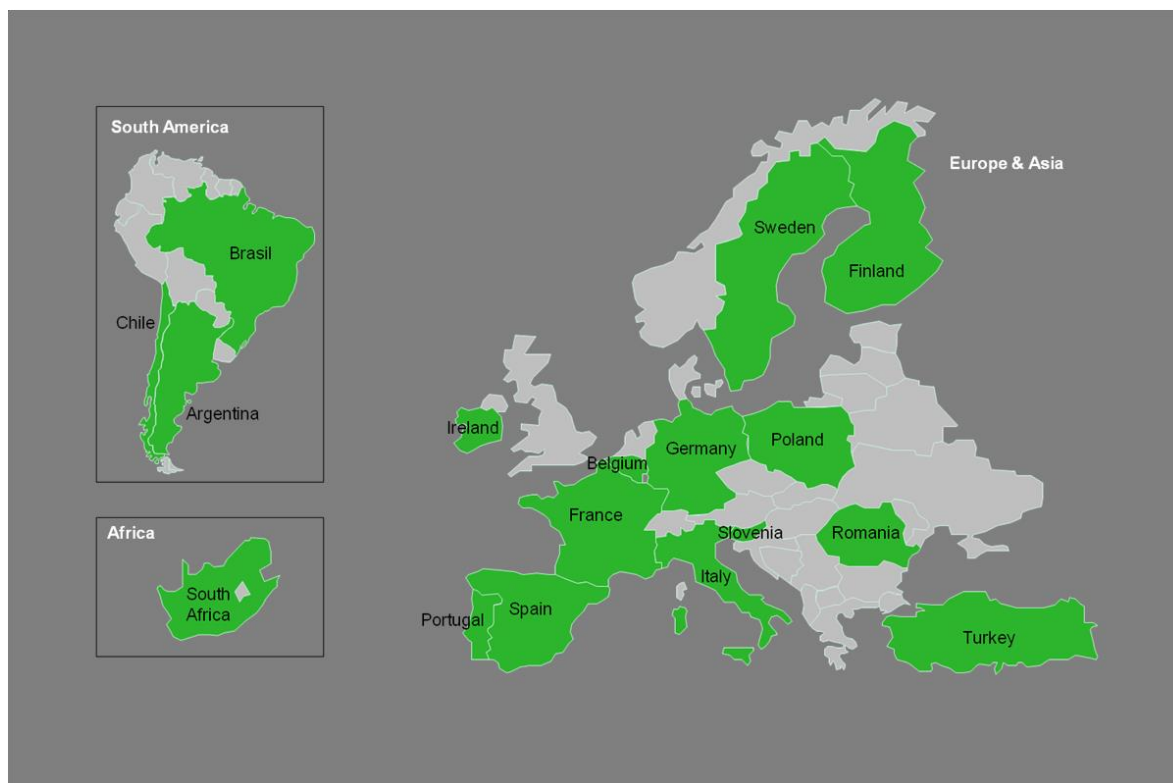


Figure1. ERA-MIN 2 consortium of funding organisations – countries/regions (FCT – Portugal; Vinnova – Sweden; JUELICH – Germany; UEFISCDI – Romania; MINECO – Spain; MINCyT – Argentina; NCBR – Poland; CONICYT – Chile; MIZS – Slovenia; ANR – France; CDTI – Spain; DST - South Africa; GSI – Ireland; ADEME – France; TUBITAK – Turkey; Tekes – Finland; Hermesfonds – Belgium/Flanders; ADE – Spain/Castilla y León; FWO – Belgium/Flanders; MIUR – Italy; Finep – Brazil).

In order to secure a sustainable and responsible supply of raw materials to the economy and industry, the **ERA-MIN 2** joint call 2017 will address three segments of the non-energy, non-agricultural raw materials:

- Metallic,
- Construction, and
- Industrial minerals.

The call topics of the ERA-MIN Joint Call 2017 will be based on challenges and priorities identified in the ERA MIN Research Agenda which is available on the ERA-MIN website, at: <http://www.era-min.eu.org/news/107-the-era-min-roadmap-published>. It will be in line with the integrated strategy proposed in the EU Raw Materials Initiative, the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials, as well as with the national and regional priorities. ERA-MIN 2 will liaise with the EIT on Raw Materials to offer complementary support and avoid duplication of efforts. 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 we use 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.

2. Background

Raw materials are particularly essential for the development of innovative environmentally friendly technologies and for the manufacture of the new and innovative products used in our modern society, such as batteries for electric cars, photovoltaic systems and components for wind turbines. Economic sectors such as construction, chemicals, automotive, aerospace, machinery and renewable energy correspond to more than 30 million jobs in the EU and depend on the sustainable supply of raw materials.

New technologies in almost any area of the daily life will require increasing use of non-energy raw materials. Research to develop knowledge on exploration and mining remains vital. The eco-efficiency of material production and use throughout the whole supply chain needs to be improved, turning this chain into a material's circle where waste becomes the resource needed by another process, and dissipation is avoided as much as possible. Additionally, a significant reduction can be achieved by substituting scarce elements by more abundant ones with the same functionalities, or by substituting the functionality itself.

A group of 150 experts have contributed to the ERA-MIN Research Agenda and have identified the **main challenges of research and innovation** on non-energy raw materials. The identified challenges cover major parts of the circular economy as shown in fig. 2 including cross-cutting issues:

- **Primary Resources:** Improve techniques for exploration, mining and processing the primary resources that are necessary to satisfy the growing worldwide demand. As large, rich deposits located in countries that offer access to their mineral resources are getting rare, research is vital to explore for deeper-seated deposits (on-shore and off-shore), and to develop knowledge on unconventional resources.
- **Design:** Reduce or avoid the use of scarce materials. A significant reduction can be achieved by substituting scarce elements by more abundant ones with the same functionalities, or by substituting the functionality itself. This requires specific research in the field of elements and material properties. Another possibility is to support innovative design to facilitate handling and dismantling.
- **Production, Remanufacturing / Use, Reuse and Repair / Recycling:** Improve the eco-efficiency of material **production** and **use** throughout the whole supply chain to turn this chain into a materials circle where waste becomes the resource needed by another process, and where dissipation is avoided as much as possible. To achieve this, innovative **recycling** technologies for technology metals from complex products are as important as non-technical innovations, to obtain better access to secondary resources and ensure their resource efficient processing throughout the recycling chain, by reducing residual waste, water and energy use.
- **Production, Remanufacturing / Recycling:** Overcome metallurgical and especially extractive metallurgy challenges to enable a resource (whether primary or secondary) to give raise to the

metals used by the downstream industry. This will contribute to reducing Europe’s metal import dependency and create jobs and business opportunities.

- **Material cycle:** Ensure, in harmony with the economic stakeholders and the society, the flow of minerals and metals needed by the economy, in line with the sustainable development framework. This requires reliable data and information on the global mineral resources industries, trade and non-trade barriers, market drivers, recycling and related facilities, trade flows, life-cycle and material flow data, etc., and the development of modelling integrating economic, environmental and social factors as well as objective functions controlling them. Such information and modelling is needed to develop and implement an EU non-energy mineral raw materials policy.

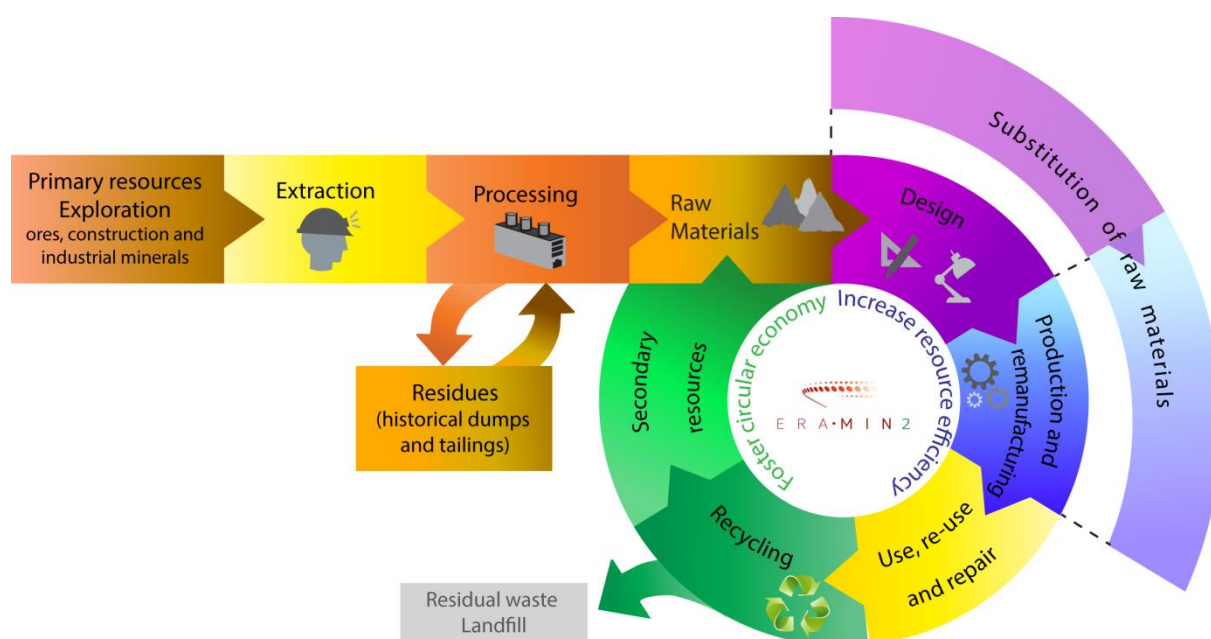


Fig. 2: Raw materials within the circular economy

With three joint calls and 17 transnational R&I projects supported with a budget of 13 million €, ERA-MIN (2011-2015) has successfully contributed to develop the raw materials community in Europe and beyond, in line with the objectives of the Strategic Implementation Plan of the European Innovation Partnership (EIP) on Raw Materials . During the lifetime of ERA-MIN the main focus of the funded R&I projects was shifted from the first part of the value chain, i.e. exploration and mining, to a more holistic approach covering also recycling and the substitution of critical raw materials⁶. ERA-MIN 2 will build on these topics and 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. In line with

⁶ *On the review of the list of critical raw materials for the EU and the implementation of the Raw Materials Initiative” COM(2014) 297 final*

ongoing efforts to close the cycle within a circular economy approach, ERA-MIN 2 will put more emphasis on the contribution of proposals to the EU's transition to a circular economy by funding projects aiming at retaining the value of the raw materials we use in products, by returning them, as much as possible, into the product cycle at the end of their use.

3. The funding organisations

The funding organisations are those organisations that are partners of ERA-MIN 2 and have agreed to allocate national/regional budgets for the joint call 2017 on the transition to a circular economy in Europe and in the world, and will implement jointly the joint call for proposals based on commonly agreed structures and procedures co-funded by the European Commission.

Table 1. Countries/regions of ERA-MIN 2 consortium and the respective funding organisations.

Country/Region	Funding organisation	Short name
Argentina	MINISTERIO DE CIENCIA, TECNOLOGÍA E INNOVACIÓN PRODUCTIVA	MINCyT
Belgium/Flanders	FONDS VOOR WETENSCHAPPELIJK ONDERZOEK-VLAANDEREN	FWO
Belgium/Flanders	FONDS FLANKEREND ECONOMISCH EN INNOVATIEBELEID	Hermesfonds
Brazil	FINANCIADORA DE ESTUDOS E PROJETOS	Finep
Chile	COMISION NACIONAL DE INVESTIGACION CIENTIFICA Y TECNOLOGICA	CONICYT
Finland	INNOVAATORAHOITUSKESKUS TEKES	Tekes
France	AGENCE DE L'ENVIRONNEMENT ET DE LA MAITRISE DE L'ENERGIE	ADEME
France	AGENCE NATIONALE DE LA RECHERCHE	ANR
Germany	PROJECT MANAGEMENT JÜLICH ON BEHALF OF FEDERAL MINISTRY OF EDUCATION AND RESEARCH	JUELICH/BMBF
Ireland	DEPARTMENT OF COMMUNICATIONS, ENERGY AND NATURAL RESOURCES/GEOLOGICAL SURVEY IRELAND	GSI
Italy	MINISTERO DELL'ISTRUZIONE, DELL'UNIVERSITA' E DELLA RICERCA	MIUR
Poland	NARODOWE CENTRUM BADAN I ROZWOJU	NCBR
Portugal	FUNDACAO PARA A CIENCIA E A TECNOLOGIA	FCT
Romania	UNITATEA EXECUTIVA PENTRU FINANTAREA INVATAMANTULUI SUPERIOR, A CERCETARII, DEZVOLTARII SI INOVARII	UEFISCDI
Slovenia	MINISTRSTVO ZA IZOBRAZEVANJE, ZNANOST IN SPORT	MIZS
South Africa	DEPARTMENT OF SCIENCE AND TECHNOLOGY	DST
Spain	CENTRO PARA EL DESARROLLO TECNOLOGICO INDUSTRIAL	CDTI
Spain	MINISTERIO DE ECONOMIA Y COMPETITIVIDAD	MINECO
Spain/Castilla y León	AGENCIA DE INNOVACION Y FINANCIACION EMPRESARIAL DE CASTILLA Y LEON	ADE
Sweden	VERKET FÖR INNOVATIONSSYSTEM	Vinnova
Turkey	TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU	TUBITAK

4. Scope of the ERA-MIN Joint Call 2017 and topics for funding

The scope of the Joint Call is needs-driven research on non-energy, non-agricultural raw materials addressing one or several areas of the circular economy, as shown in Figure 2 above. As an overarching objective the proposed research should clearly demonstrate potential to foster the sustainable supply, processing, production and consumption of primary and secondary raw materials in a circular economy. All consortia should deliver convincing arguments on the potential impact of their innovation on the efficient supply, processing and use of raw materials. They should be able to quantify the expected impact using appropriate metrics and life cycle thinking. A specific work package on the follow up of these metrics in order to steer the project into the most environmentally beneficial direction could be an option.

The ERA-MIN Joint Call 2017 will address three segments of raw materials:

- Metallic,
- Construction, and
- Industrial minerals.

The research, development and innovation topics to be funded under the ERA-MIN Joint Call 2017 address all aspects of the non-energy, non-agricultural raw materials life cycle, covering both primary and secondary resources. Besides technological innovations, non-technological aspects will play an important role paving the way to a circular economy. Consortia may include players from the public and private sector with different backgrounds, e.g. physical scientists, engineers and technology developers, but also social scientists and policy advisors working closely together and covering different parts of the raw materials cycle.

The call focuses on four parts of the raw materials life cycle and horizontal cross-cutting topics. Nevertheless, following a systemic approach, other parts of the production cycle which were not mentioned explicitly (e.g. distribution, use, collection) can be included within project proposals. IT-based tools play an important role across the whole product life cycle to increase the efficiency of raw materials supply (e.g. inventories, supply chain management, automation). Special attention has to be paid to reconnecting raw materials to society. Therefore, applicants should indicate how their results will be disseminated to the public.

For the objectives and expected impacts of the 5 topics supported by ERA-MIN Joint Call 2017 please see the description below.

1. **Supply of raw materials from exploration and mining:** The availability of primary resources and waste from exploration and mining activities remains a major prerequisite to satisfy the growing global demand for raw materials. Therefore, exploration and mining will not disappear in a circular economy. Within this topic we are seeking for new techniques for the exploration and mining of primary and secondary resources that are necessary for the industrial supply. Proposals can address new concepts, technologies and improved models to be used in mineral exploration; comprehensive characterisation and mapping of abandoned mine sites, making them also potential sources of various raw materials (including various by- or co-products in complex mineral matrixes) in an environmentally friendly and socially accepted way. Proposals should aim at significant or demonstrable progress towards the goal of responsible and sustainable

development, through increasing the raw materials supply while reducing impacts on the environment. Within this approach contributions on the reclamation of former mine sites are included. Both onshore and offshore proposals will be supported (subject to national/regional regulations).

2. **Design:** The design of products has a high impact on resource efficiency. Within this topic we are seeking for proposals that contribute to the efficient use of raw materials for recycling, or the substitution of critical materials⁷ in products and components. In terms of a holistic view, aspects like the extension of the product durability or the facilitation of its recycling should be taken into account as well. Attention should be paid to strategies and technologies for the substitution of 'substances of very high concern' (SVHCs) of the REACH regulation or 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.
3. **Processing, Production and Remanufacturing:** Production efficiency and Remanufacturing processes in a circular economy provide a high potential to increase resource efficiency for primary and secondary sources. A major potential to increase the efficient use of raw materials is provided by resource intensive processes. Within a circular economy vision, waste occurring during the production phase could be recycled and therefore become a resource. In this topic we are looking for innovative technologies re-designing industrial processes. Therefore, a full understanding of the innovation and research needs across the life cycle is required to ensure that the greatest environmental benefits can be obtained. Proposals should address reduction of waste and/or recycling of waste, and additionally energy efficiency, environmental, and social impact could be considered. Proposals should be of high impact both in terms of the market opportunity they address, and the environmental/societal benefits they will enable.
4. **Recycling of End-of-Life Products:** (e.g. waste of electric and electronic equipment (WEEE), batteries, end-of-life vehicles) is essential to turn the raw materials value chain into a materials cycle, where dissipation and waste is 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 from products and components at the end of their life. 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 additionally energy efficiency, environmental, and social impact could be considered.
5. **Cross-cutting topics** that are relevant to any part of the raw materials life cycle can also be specifically addressed. **Therefore, within this topic we are looking for proposals which propose non-technological innovations in order to increase the economic, environmental and social sustainability in the raw materials sector regarding:**

- **New business models,**

⁷ The research is not restricted to the identified 20 critical raw materials (COM(2014) 297 final).



- **Improvement of methods or data for environmental impact assessment,**
- **Social acceptance and trust/public perception of raw materials.**

A major challenge in the raw materials sector is that entrepreneurs, with novel, high-impact and potentially transformative approaches to raw materials supply, may face barriers, such as substantive investments in existing infrastructure, making the system resistant to change. Applicants are therefore encouraged to respond to this challenge and to develop new business models for a successful implementation of the developed technologies. Development of new, efficient methods for environmental monitoring (including real time monitoring) are encouraged. Gaining public trust in industrial activities is increasingly important in securing the raw materials supply in Europe from primary and secondary sources. Understanding the public perception of raw materials related activities will be supported in the cross-cutting topics. To address the topic of social acceptance/public perception, adequate expertise both from social scientists and geoscientist/engineers/industry is essential. Proposals will be evaluated by considering the potential presented for new, high-impact and potentially transformative business models, environmental and/or societal benefits in the raw materials sector.

More detailed information on sub-topic areas is shown in Appendix I. Not all funding organisations participate in each theme area and funding eligibility criteria may differ for some countries/regions. Applicants should check that the funding organisation for their country/region has confirmed its participation in the appropriate topic and sub-topic for their proposal; also which type of organisation may be funded at what level of support and the maximum budget available. A summary of these points is provided in Table 2 and in the national/regional funding regulations document but applicants are obliged to check with their national/regional contact point for this call. Background information on the research needs per topic and sub-topic areas was identified by the ERA-MIN research agenda, which can be downloaded from the ERA-MIN website at the following link: <http://www.era-min-eu.org/news/107-the-era-min-roadmap-published>.

Both basic and applied research projects will be funded by the call funding agencies (based on the national rules applicable), provided that the proposed research clearly demonstrates potential to foster sustainable industrial supply of non-energy mineral resources for the circular economy.

Target groups: All actors in the raw materials innovation chain, including academia, industry, NGOs, public authorities and civil society. Consortia involving both academic and industrial organisations are *particularly* encouraged to apply. Other types of consortia (e.g. purely industrial or academic) can also apply.

Call topics supported by the funding organisations

Table 2 summarises which of the main five topics are supported by each funding organisation. In Appendix I there is a list of the sub-topics and a few examples of possible areas of research. A more detailed information on the supported sub-topics by each funding organisation is provided in the Guidelines for Applicants.

Table 2: Summary of the main call topics supported by the funding organisations.

Country/region	Funding Organisation	Topic 1	Topic 2	Topic 3	Topic 4	Topic 5
Argentina	MINCYT	!	x	!	!	
Belgium / Flanders	FWO	x	x	x	x	x
Belgium /Flanders	Hermesfonds	x	x	x	x	
Brazil	Finep	x	x	x	x	x
Chile	CONICYT	x				x
Finland	Tekes	x	x	x	x	x
France	ADEME		x	x	x	x
France	ANR	!	x	x	x	
Germany	BMBF	!	x	x	x	x
Ireland	GSI	x	x	!	!	!
Italy	MIUR	x	x	x	x	x
Poland	NCBR	x	x	x	x	
Portugal	FCT	x	x	x	x	x
Romania	UEFISCDI	x	x	x	x	x
Slovenia	MIZS	x	x	x	x	x
South Africa	DST	x	!	!	!	x
Spain	CDTI	x	x	x	x	
Spain	MINECO	x	x	x	x	
Spain / Castilla y León	ADE	x	x	x	x	
Sweden	Vinnova	x	x	x	x	x
Turkey	TUBITAK	x	x	x	x	x

X – means topic and sub-topics eligible for funding.

! means that not all sub-topics under the main topic are supported and there is a need to check the corresponding national/regional funding regulations document and the Guidelines for Applicants.

APPENDIX I - Sub-topic areas for research

1. Supply of raw materials from exploration and mining	
1.1	Exploration, e.g. <ul style="list-style-type: none"> • Understanding primary and secondary raw materials resources for securing the supply chain, • Tools for identifying resources and improving mineral resource modelling, • Innovative approaches and tools for ore characterization • Concepts and methodologies for assessing mineral resource supply risks
1.2	Mining operations, e.g. <ul style="list-style-type: none"> • Smart and eco-efficient technologies for mining • Extraction of raw materials from historical dumps and tailings • Enhanced landfill mining • Technologies for the extraction of unconventional resources incl. intelligent mining
1.3	Mine closure and reclamation, e.g. <ul style="list-style-type: none"> • Remediation after mine closure with field demonstration at real-scale • Predictions of mine closure long-term performance • Long-term monitoring systems
2. Design	
2.1	Product design for increased raw material efficiency
2.2	Product design for reuse or extended durability of products
2.3	Product design to promote recycling (e.g. facilitation of dismantling)
2.4	Product design for critical materials substitution, e.g. <ul style="list-style-type: none"> • Developing products, services and technologies with same functionalities avoiding critical materials, or by substituting the functionality itself • Replace 'substances of very high concern' (SVHCs) of the REACH regulation • Reduce or avoid the use of materials with low abundance and/or difficult/risky supply
3. Processing, Production and Remanufacturing	
3.1	Increase resource efficiency in resource intensive production processes, e.g. <ul style="list-style-type: none"> • Increase material and energy efficiency of ore processing



	<ul style="list-style-type: none"> • Overcome metallurgical challenges for metal production from primary and secondary sources • Valorization of by-products, co-products
3.2	<p>Increase resource efficiency through recycling of residues or remanufacturing, e.g.</p> <ul style="list-style-type: none"> • Scrap metals • Residues from manufacturing • Tailings from mining
3.3	<p>Increase resource efficiency using information and communication technologies (ICT), e.g.</p> <ul style="list-style-type: none"> • Supply chain management across the whole life cycle • Smart technologies for processing, production and remanufacturing (e.g. sensor based sorting of metals scrap)
4. Recycling of End-of-Life products	
4.1	End-of-life products collection and logistics
4.2	End-of-life products pre-processing: pre-treatment, dismantling, sorting, characterisation
4.3	<p>Recovery of raw materials from End-of-life products, e.g.</p> <ul style="list-style-type: none"> • recover metals and rare earth elements from urban mines via innovative, clean and environmental-friendly processes (hydrometallurgy, pyrometallurgy...) and separation techniques
4.4	<p>Increase recycling of End-of-Life products through information and communication technologies (ICT), e.g.</p> <ul style="list-style-type: none"> • Databases and models on raw materials in buildings, infrastructure and products • IT-based tools for efficient management of supply chains across the whole life cycle • Smart recycling technologies (e.g. sensor based sorting)
5. Cross-Cutting Topics	
5.1	New business models
5.2	<p>Improvement of methods or data for environmental impact assessment (e. g. LCA - life-cycle analysis)</p> <ul style="list-style-type: none"> • Studies on flows of mineral resources (e. g. MFA - material-flow analysis)



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5.3

Social acceptance and trust/public perception of raw materials, e.g.

- *public perception for activities associated with raw materials supply*
- *Standardized social science methodologies for gathering/analysing data in different countries*
- *Case studies*





ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

ERA-MIN Joint Call 2017

RAW MATERIALS FOR SUSTAINABLE DEVELOPMENT
AND THE CIRCULAR ECONOMY

GUIDELINES FOR APPLICANTS

Link to [«ERA-MIN2 Calls»](#)

Link to the [Electronic Proposal Submission System](#)

For further information contact the Joint Call Secretariat:

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1. Definitions

Applicant: is a legal entity, represented by a lead researcher that forms a consortium at the stage of proposal submission.

Beneficiary: Beneficiary is a legal entity, represented by a lead researcher, member of a consortium selected for funding that receive financial support from the respective national/regional Funding Organisation.

Call: Refers to the ERA-MIN Joint Call 2017 to be published in February 1, 2017 which total budget is 15 million Euro including the EU contribution.

Call Steering Committee (CSC): It is composed of representatives of all ERA-MIN 2 partners who are Funding Organisations that have committed national/regional funds to support the selected R&I projects. It supervises the whole Call procedure and agrees on the final list of proposals recommended for funding. It supervises the activities of the Joint Call Secretariat.

Consortium: Group of legal entities, each represented by a lead researcher, that are part of a joint collaborative R&I project proposal submitted to the Call or a project selected for funding.

Coordinator: One partner of the consortium, represented by a lead researcher, who will be responsible for the internal scientific management of the project, reporting and intellectual property rights management and will represent the consortium externally and towards the JCS and CSC.

Funding Organisations: are partners of ERA-MIN 2, responsible for providing funding to the beneficiaries from the respective country/region. Participating Funding Organisations are indicated in the «Call Text».

Joint Call Secretariat (JCS): It is in charge of the operational implementation of the Call and the follow-up phase until the funded projects and all reporting requirements have ended. All submitted proposals are collected by the JCS, which makes them available to the CSC and the reviewers of the Scientific Evaluation Board. The JCS handles the communication with the applicants, reviewers, CSC and beneficiaries. The JCS is hosted by FCT (Foundation for Science and Technology), in Lisbon (Portugal) with the support of JUELICH (Germany).

Key personnel: is a team member person of an applicant or a beneficiary.

Lead researcher: is the main responsible person of a legal entity and is the contact point with the corresponding national/regional Funding Organisation.

Partners: legal entities, each represented by a lead researcher within a department or institute from universities, research organisations, companies, etc., forming a consortium.

Scientific Evaluation Board (SEB): Panel of internationally independent recognised scientific experts responsible for the quality assessment of the submitted proposals. SEB members will not submit or



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participate in proposals within this Call and must sign declarations of confidentiality and of conflict of interest.



2. Joint Call administration

The participating Funding Organisations are the ERA-MIN 2 partners that have agreed on three administrative structures to run the Call:

1. **Call Steering Committee (CSC)**, composed of the representatives from the Funding Organisations contributing financially to the Call;
2. **Joint Call Secretariat (JCS)**, composed of representatives from the Funding Organisations, coordinated by FCT and assisted by JUELICH, with the main task of implementing the Call;
3. **Scientific Evaluation Board (SEB)** composed of independent international experts selected to evaluate the pre-proposals and full-proposals submitted to the Call.

3. Call topics

The scope, objectives and expected impacts of each of the five main call topics are described in detail in the document «Call Text». The sub-topics supported by each Funding Organisation are provided in Appendix I.

4. Contact persons of the Funding Organisations

The representatives of the Funding Organisations will be the contact points in each of the countries and regions participating in the Call, and applicants are advised to contact them at an early stage during the pre-proposal preparation for information on the specific national/regional priorities, rules and regulations, using the contacts given in Table 1.

Table 1 – Contact persons of the Funding Organisations participating in the Call.

Country Region	Funding Organisation	Contact person (s)	E-mail (s)
Argentina	MINCYT	Agustina VELO, Monica SILENZI	avelo@mincyt.gob.ar msilenzi@mincyt.gob.ar
Belgium / Flanders	FWO	Olivier BOEHME, Toon MONBALIU	eranet@fwo.be
Belgium/ Flanders	Hermesfonds /VLAIO	Elsie De CLERCQ	elsie.declercq@vlaio.be
Brazil	Finep	Denise Cristiano REIGADA, Henrique VASQUEZ FÉTEIRA DO VALE	dreigada@finep.gov.br hvasquez@finep.gov.br
Chile	CONICYT	Pedro FIGUEROA	pfigueroa@conicyt.cl
Finland	Tekes	Kari KESKINEN	kari.keskinen@tekes.fi
France	ADEME	Rachel BAUDRY, Erwan AUTRET	rachel.baudry@ademe.fr erwan.autret@ademe.fr
France	ANR	Massimiliano PICCIANI	massimiliano.picciani@anr.fr
Germany	BMBF/ JUELICH	Holger GRÜNEWALD	h.gruenewald@fz-juelich.de



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Ireland	GSI	Aoife BRAIDEN	Aoife.Braiden@gsi.ie
Country Region	Funding Organisation	Contact person (s)	E-mail (s)
Italy	MIUR	Gaia BRENNNA, Aldo COVELLO	gaia.brenna@miur.it aldo.covello@miur.it
Poland	NCBR	Maria BOJANOWSKA-SOT	maria.bojanowska@ncbr.gov.pl
Portugal	FCT	Dina CARRILHO Marta NORTON	Dina.Carrilho@fct.pt Marta.Norton@fct.pt
Romania	UEFISCDI	Mihaela MANOLE	mihaela.manole@uefiscdi.ro
Slovenia	MIZS	Doroteja ZLOBEC	Doroteja.Zlobec@gov.si
South Africa	DST	Toto MATSHEDISO Ntombi MCHUBA	Toto.matshediso@dst.gov.za Ntombi.Mchuba@dst.gov.za
Spain	CDTI	Maria Jose TOMÁS	mariajose.tomas@cdti.es
Spain	MINECO	Severino FALCÓN Leonor GÓMEZ	severino.falcon@mineco.es era-mat@mineco.es
Spain / Castilla y Léon	ADE	Carmen VERDEJO REBOLLO Isabel GOBERNADO MITRE	VerRebCa@jcy.l.es gobmitma@jcy.l.es
Sweden	Vinnova	Susanne GYLESJÖ	susanne.gylesjo@vinnova.se
Turkey	TUBITAK	Mehmet Ufuk ATAY, Hanifi Eray KORKMAZ	ufuk.atay@tubitak.gov.tr eray.korkmaz@tubitak.gov.tr

5. The funding model

The Call is based on the existing RTD funding schemes or programmes in the field of non-energy, non-agricultural raw materials in the participating countries and regions. This means that each beneficiary in a proposal selected for funding under the Call on “*Raw materials for sustainable development and the circular economy*” will be funded by the Funding Organisation of their own country/region.

The total budget available for this Call is approximately € 15 million corresponding to the sum of national and regional public committed funds of the participating Funding Organisations and the co-funding of the European Commission (Table 2).

In addition to the rules for participation and funding set by the Call, each applicant requesting funding in a submitted proposal must also comply with the national /regional rules and regulations of the funding programme of their respective country or region (see National/Regional Funding Regulations document).

The final funding decisions are made by the participating Funding Organisations.



Table 2 – Indicative funding commitments of the Funding Organisations participating in the Call.

Country/Region	Funding organisation	[EUR]
Argentina	MINCyT	100,000
Belgium / Flanders	FWO	150,000
Belgium /Flanders	Hermesfonds	1,000,000
Brazil	Finep	750,000
Chile	CONICYT	385,000
Finland	Tekes	1,000,000
France	ADEME	500,000
France	ANR	700,000
Germany	BMBF/JUELICH	2,000,000
Ireland	GSI	450,000
Italy	MIUR	140,000
Poland	NCBR	500,000
Portugal	FCT	500,000
Romania	UEFISCDI	600,000
Slovenia	MIZS	420,000
South Africa	DST	300,000
Spain	CDTI	530,000
Spain	MINECO	333,500
Spain / Castilla y León	ADE	350,000
Sweden	Vinnova	500,000
Turkey	TUBITAK	600,000

6. Eligibility criteria

The pre-proposals and full-proposals have to meet the following eligibility criteria, as defined by the CSC and detailed further below, as well as the national/regional funding regulations (see the respective document at the ERA-MIN 2 website):

- The pre-proposals must be submitted, only via electronic form through the ERA-MIN Electronic Submission System, by the lead researcher of the consortium coordinator no later than **5 May 2017 (Friday), at 17:00:00 CEST⁸**;
- Each consortium must be composed of, at least, a minimum of two independent legal entities eligible to request funding from the Funding Organisations of, at least, two different EU Member States or Associated Countries participating in this Call;

⁸ 17.00 CEST/Central European Summer Time



- The coordinator and the lead researcher representing the coordinator of the consortium must be eligible for funding and must be established in a country or region participating in the Call;
- One person can only participate as lead researcher representing the coordinator in one proposal (i.e. if the lead researcher is the coordinator of a proposal, he/she can only participate in other proposals as lead researcher or as key personnel of a consortium partner);
- Researchers from the participating Funding Organisations cannot apply to this Call;
- The total efforts of partners from one country in a proposal cannot exceed 70% of the total project efforts (measured in person-months);
- At least half of the partners in a consortium must belong to countries participating in the Call;
- The language of the proposals is English;
- All fields of the pre-proposal and full-proposal technical descriptions must be filled in and the total length of the technical description cannot exceed a maximum of 6 pages for pre-proposal and 22 pages for full-proposal, excluding the financial plan, references and annexes;
- The project duration shall be a minimum of 12 months and shall not exceed 36 months, and be in accordance with the national/regional rules;
- Each applicant 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 (see table 3 and table 4);
- If applicable as per national or regional rules, all the necessary additional information/documents requested by the Funding Organisations (see the National/regional funding regulations document) must be sent to the contact person of the respective national/regional Funding Organisation according to their deadlines, no later than one week after the proposal submission deadline;
- All applicants requesting funding must provide a statement of commitment (Form B – Appendix VI), duly signed and stamped by the legal representative of the organisation and the lead researcher, as an annex of the pre-proposal);
- Applicants not requesting funding, or who are not eligible for national/regional funding can be partners of the consortium, on the condition that they provide evidence of the availability of their own funds to cover their costs by providing a signed declaration. An indicative template (Form C) is provided in Appendix VII;
- Upon invitation, the full-proposals must be submitted, only via electronic form through the ERA-MIN Electronic Submission System, by the coordinator of the consortium no later than **28 September 2017 (Thursday), at 17:00:00 CEST.**



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Table 3 – Eligible organisations for funding by the participating Funding Organisations.

Country/Region	Funding Organisation	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organisations	Private non-profit organisations
Argentina	MINCyT		X	X	X	X
Belgium / Flanders	FWO				X	
Belgium /Flanders	Hermesfonds	X	X	X		
Brazil	Finep	X	X	X	X	X
Chile	CONICYT				X	X
Finland	Tekes	X	X	X	X	
France	ADEME	X	X	X	X	X
France	ANR	X	X	X	X	⚠
Germany	BMBF/JUELICH	X	X	X	X	X
Ireland	GSI	X	X	X	X	⚠
Italy	MIUR	X	X	X	X	X
Poland	NCBR	X	X	X	X	
Portugal	FCT	X	X	X	X	X
Romania	UEFISCDI	X	X	X	X	X
Slovenia	MIZS	X	X	X	X	X
South Africa	DST	X	X	X	X	X
Spain	CDTI	X	X	X		
Spain	MINECO				X	X
Spain / Castilla y León	ADE	X	X	X		
Sweden	Vinnova	X	X	X	X	X
Turkey	TUBITAK	X	X	X	X	X

x- means eligible organisation; ⚠ - means that some restrictions apply. Check the corresponding national/regional regulations of the Funding Organisations.



Table 4 – Type of research eligible for funding by the participating Funding Organisations.

Country/Region	Funding organisations	Fundamental /Basic Research	Industrial/Applied Research				Experimental development	
		TRL 1-3	TRL 4-5	TRL 5-6	TRL 6-7	TRL 7-8	TRL 8-9	
Argentina	MINCYT	X	X	X	X	X	X	
Belgium / Flanders	FWO	!						
Belgium /Flanders	Hermesfonds/ VLAIO	X	X	X	X	X	X	
Brazil	Finep	X	X	X	X	X	X	
Chile	CONICYT	X	X	X	X			
Finland	Tekes		X	X	X	X	X	
France	ADEME		X	X	X	!		
France	ANR	X	X					
Germany	BMBF/JUELICH		X	X	X	X	X	
Ireland	GSI	X	X	X	X	X	X	
Italy	MIUR	X	X	X	!	!		
Poland	NCBR		X	X	X	X	X	
Portugal	FCT	X	X	X	X	X		
Romania	UEFISCDI	X	X	X	X	X	X	
Slovenia	MIZS	X	X	!				
South Africa	DST	X	X	X	X	X	X	
Spain	CDTI	X	X	X	X	X	!	
Spain	MINECO	X	X	X				
Spain / Castilla y León	ADE		X	X	X			
Sweden	Vinnova	X	X	X	X	!		
Turkey	TUBITAK	X	X	X	X	X	X	

TRL – Technology Readiness level (definition in Appendix II)

x- eligible type of research; ! - some restrictions apply. Check the corresponding national/regional funding regulations of the Funding Organisations.

7. Recommendations for applicants

- The following documents should be carefully read:
 - «Call Text» - It includes the scope, objectives and expected impacts of the research topics and sub-topics of the Call and the topics covered by each Funding Organisation;

- «National/regional Funding Regulations» - It includes the national/regional funding regulations of the participating Funding Organisations, namely the eligible organisations for funding, eligible costs, eligible type of research and the funding rates;
- «Guidelines for Applicants» - It includes the procedures to follow in order to submit the pre-proposals and the full-proposals, the proposals templates, the eligibility criteria, the scientific evaluation procedures, the evaluation criteria and monitoring and reporting procedures for the funded projects;
- One (and only one) coordinator, represented by a lead researcher, has to be nominated among the partners to represent the consortium;
- The coordinator should register in advance in the [ERA-MIN Electronic Proposal Submission System \(http://www.submission-era-min.eu/\)](http://www.submission-era-min.eu/);
- The applicants are encouraged to prepare the pre-proposal and the full-proposal in advance;
- The applicants are encouraged to register all required data in the Electronic Proposal Submission System, taking into account that the system may be overloaded on the deadline date;
- The applicants have to make sure that their proposal falls into the scope and the topics of the Call (read the topics and sub-topics of the call on the «Call Text»). A proposal may cover more than one of the topics and sub-topics;
- The ERA MIN 2 consortium is aiming to reduce the disparities and level up innovation performance of raw materials between the countries participating in this Call, and thus it encourages cooperation beyond the EU Member States or Associated Countries. In this line, the involvement of applicants from the third countries participating in the Call, namely, Argentina, Brazil, Chile and South Africa) is highly desirable;
- More than two partners from more than two countries forming a consortium are encouraged to apply;
- The consortium size should be suitable for the level and complexity of the project and each partner should have a significant contribution for the transnational added value of collaboration;
- Large, medium and small-size companies are particularly encouraged to apply;
- The proposal should clearly identify the specific contribution of each partner in the consortium and the added value of working together;
- The applicants have to make sure that their proposal fulfils the Call eligibility criteria, as well as the national/regional eligibility criteria;
- Well in advance of submitting an application, **every partner must contact the local contact point of their country/region** and confirm with their respective Funding Organisation that the national/regional funding criteria and regulations are met. **If required, national/regional submission**



forms or documents should be submitted to the respective Funding Organisation within the specified deadline, no later than one week after the proposal submission deadline;

- The pre-proposal has to be submitted via the [ERA-MIN Electronic Proposal Submission System \(http://www.submission-era-min.eu/\)](http://www.submission-era-min.eu/) not later than **5 May 2017, at 17:00:00 CEST** by the coordinator.
- As to the «Technical description of the proposal», the same font and style should be used (**Times New Roman or Calibri, 11pt, single spaced; the template's margins of the page should be kept**) and a maximum of 6 pages and 22 pages for pre-proposal and full-proposal, respectively, should be respected, excluding the financial plan, references and annexes.
- The expected size of a proposal in terms of total funding is typically in the range of 0.3 to 1.5 million Euro.
- In order to find potential partners to build a consortium, a web-based partner search tool has been set up by the NCPs-CaRE. This tool is available on the NCPs-CaRE website (<http://partnersearch.ncps-care.eu/>).

Call procedures: submission; evaluation, selection, funding and reporting

The CSC and the JCS will take all lawful steps to ensure confidentiality of information and documents obtained during the submission, evaluation and selection procedures of the Call.

8.1. Proposal submission

There will be a two-stage submission procedure: pre-proposals and full proposals.

A joint transnational proposal (pre-proposal) shall be prepared in English by the consortium and submitted via the ERA-MIN Electronic Proposal Submission System by the lead researcher representing the coordinator. The pre-proposal submission is mandatory and must be submitted no later than **5 May, 2017 (Friday) at 17:00:00 CEST**.

If required by the national/regional regulations, the submission forms, or documents, must be submitted directly to the participating Funding Organisations according with their deadlines, no later than one week after the proposal submission deadline. Please consult the respective local contact point of the Funding Organisations (section 4) for further details.

Full proposals must be submitted by the coordinator in electronic format no later than **28 September 2017 (Thursday), at 17:00:00 CEST**. Full proposals will be accepted only from those applicants explicitly invited by the JCS to submit them.

A revision of the overall application is allowed under certain conditions after the pre-proposal stage. In any case, all changes from pre- to full-proposal have to be coordinated with all involved Funding Organisations by the coordinator. As some Funding Organisations do not allow changes, partners should be advised to

check the national/regional funding regulations document to see if their respective Funding Organisation allows changes between the pre- and full-proposal stage.

8.1.1. Registration

The coordinator⁹ (Partner 1), who will represent the consortium, will have to register at the [ERA-MIN Electronic Proposal Submission System](http://www.submission-era-min.eu/) (<http://www.submission-era-min.eu/>) before submitting a pre-proposal. Once registered, the coordinator will receive a registration email.

The coordinator will need to register the partners of the consortium. After registration, all the partners will receive an email to activate their account. With his/her account, each partner will enter his/her own profile.

8.1.2. Proposal form

The pre-proposal form (Appendix III and IV) and full proposal form (Appendix V) must be filled by the coordinator, with the exception of the partner's profiles.

The proposals must be written in English and submitted via the [ERA-MIN Electronic Proposal Submission System](http://www.submission-era-min.eu/) (<http://www.submission-era-min.eu/>).

Signed Statement of Commitments from all consortium coordinator/partner requesting funding (Form B- Appendix VI) and Declarations of own funding (Form C- Appendix VII) from partners not requesting funding have to be included as annexes to the pre-proposal. The coordinator has the duty to ensure that Form B and Form C are signed in due time. Resubmitting the pre-proposal/full-proposal before the submission deadline is possible.

8.2 Evaluation procedures

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; and to undertake the assessment in a fair, transparent and homogeneous way for all proposals submitted to the Call.

The quality assessment of the submitted proposals will be performed by the SEB composed of international independent expert reviewers.

Stage 1 assessment of pre-proposals will be carried out at a Call level by the JCS, at a national /regional level by the CSC and at an international scientific peer-review by the SEB. Stage 2 assessments of full proposals will be conducted by a panel of, at least, three independent experts that sign Declarations of Confidentiality and Conflict of Interest. The evaluation process will be monitored by an independent observer who will prepare a report on the assessment process for the European Commission.

⁹ The coordinator (partner 1) will be responsible for running and managing the project. The lead researcher representing the coordinator will be the contact point with ERA-MIN 2 Joint Call Secretariat on behalf of the whole consortium and will be responsible for the administrative management of the complete project, should it be awarded funding. In addition, the lead researcher is responsible for leading the project activities at his/her own organisation. The coordinator must be eligible for funding.

8.2.1. Evaluation stage 1: Pre-Proposals

The submitted pre-proposals will be subject to an eligibility check performed by the JCS and by the CSC to confirm compliance with national/regional priorities, rules and regulations. In parallel, scientific assessments of pre-proposals will be remotely performed by the SEB.

All eligible pre-proposals that meet the Call eligibility criteria will be allocated to three designated experts of the SEB according to their expertise relevant for the topic of the pre-proposal. Pre-proposals will be assessed based on the three main evaluation criteria: 1) Scientific Excellence; 2) Impact and 3) Quality and Efficiency of the Implementation. A ranked list of pre-proposals will be produced based on the final scores.

The selection of pre-proposals for the stage 2 will be decided at a CSC consensus meeting to finalise the stage 1 pre-proposal assessment. A list of projects of high quality will be invited to submit a full proposal for Stage 2.

8.2.2. Evaluation stage 2: Full-Proposals

The submitted full-proposals will be subject to an eligibility check performed by the JCS and by the CSC to confirm compliance with national/regional priorities, rules and regulations before the start of the international independent peer-review evaluation process.

Full Proposals will be evaluated based on three main evaluation criteria: 1) Scientific Excellence, 2) Impact and 3) Quality and Efficiency of the Implementation.

8.2.3 Evaluation Criteria, scoring system and thresholds

The evaluation of proposals is based on the following three main evaluation criteria and sub-criteria:

Criterion 1. SCIENTIFIC EXCELLENCE

- 1.1. Clarity and pertinence of the objectives;
- 1.2. Soundness of the concept, and credibility of the proposed methodology;
- 1.3. Extent that the proposed work is beyond the state of the art, and demonstrates innovation potential (e.g. ground-breaking objectives, novel concepts and approaches, new products, services or business and organisational models);
- 1.4. Appropriate consideration of interdisciplinary approaches and, where relevant, use of stakeholder knowledge (**only for stage 2**);

Criterion 2. IMPACT

- 2.1. The extent to which the outputs of the project would contribute at the European and/or International level to the expected impacts mentioned in the work programme under the relevant topic;
- 2.2. Any substantial impacts not mentioned in the work programme, that would enhance innovation capacity, create new market opportunities, strengthen competitiveness and growth of companies, address issues related to barriers/obstacles, and any framework conditions such as regulation,

standards, public acceptance, workforce considerations, financing of follow-up steps, cooperation of other links in the value chain, or bring other important benefits for society (**only for stage 2**);

2.3 Quality of the proposed measures to exploit and disseminate the project results (including management of IPR), and to manage research data where relevant (**only for stage 2**);

2.4. Quality of the proposed measures to communicate the project activities to different target audiences (**only for stage 2**);

2.5 Support the development of technological solutions and services for the implementation of the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials.

Criterion 3. QUALITY AND EFFICIENCY OF THE IMPLEMENTATION

3.1. Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables (**only for stage 2**);

3.2. Appropriateness of the management structures and procedures, including risk and innovation management (**only for stage 2**);

3.3. Quality and complementarity of the participants and extent to which the consortium as whole brings together the necessary expertise;

3.4. Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role (**only for stage 2**).

Evaluation scores will be awarded to the three main evaluation criteria and not for the different sub-criteria. Each main evaluation criterion is rated using the 0-5 scale (half-points are not allowed):

0 — The proposal fails to address the criterion or cannot be assessed due to missing or incomplete information (unless the result of an ‘obvious clerical error’)

1— Poor: the criterion is inadequately addressed or there are serious inherent weaknesses

2—Fair: the proposal broadly addresses the criterion but there are significant weaknesses

3—Good: the proposal addresses the criterion well but with a number of shortcomings

4—Very good: the proposal addresses the criterion very well but with a small number of shortcomings

5—Excellent: the proposal successfully addresses all relevant aspects of the criterion; any shortcomings are minor.

Each criterion will be scored out of 5 and the threshold for individual criterion will be 3.

For the evaluation of pre-proposals the three main evaluation criteria will apply but with fewer sub-criteria (those indicated as “only for stage 2” will NOT be considered).

For each pre-proposal assessment, the overall rating (0-15) will be the sum of the individual criterion scores. The overall threshold for pre-proposals will be 9.

The coordinators will receive the results of the pre-proposal assessment including the peer-review reports and will be able to address the evaluators’ questions in the full-proposals.

For each full-proposal, the overall rating (0-15) will be the sum of the individual criterion scores. The overall threshold for full-proposals, applying to the sum of the three individual scores, will be 10.

At the SEB meeting, a ranking list will be established for eligible full proposals with overall rating at, or above, 10 and with all the main evaluation criterion scores at, or above, 3. Proposals not meeting the thresholds will not be recommended for funding by the SEB.

8.3. Selection procedures and feedback to applicants

The CSC will strive to ensure that the top-ranked full-proposals are funded to the maximum extent possible. The selection of full-proposals will be based on the ranking list of eligible full-proposals provided by the SEB meeting and the available national/regional budgets until exhaustion of public funds (EU contribution included). A CSC consensus meeting will be organised to finalise Stage 2 and to elaborate the “joint selection list” of projects recommended for funding.

All coordinators will receive feedback on the results of the evaluation process after both Stage 1 and Stage 2, including the Evaluation Summary Reports. The coordinators will be instructed to communicate the decisions to the consortium partners.

8.4. Funding decisions and consortium agreement

8.4.1. Funding decisions and start of projects

For proposals recommended for funding, the partners will be asked to contact the respective Funding Organisation for further instructions regarding national/regional internal procedures. The negotiation phase is carried out following the usual rules of each Funding Organisation, amended by special procedures for the Call.

Funding Organisation’s representatives shall outline the timing of their internal procedures to ensure that all beneficiaries of one project can begin with the research project at the same point in time.

The beneficiaries of successful collaborative projects will be funded directly by the respective national or regional Funding Organisation. The funding rate within the Call will be variable according to national/regional rules. Eligible costs may vary according to the corresponding national/regional regulations of the respective funding organisation.

Thus, each beneficiary will have a separate funding contract/letter of grant according to national/regional regulations with the appropriate national/regional Funding Organisation. The JCS will ensure that the partners of each project selected for funding enter into an appropriate grant with their relevant national/regional Funding Organisation.

Changes to the composition of research consortia or to the budget cannot occur during the contract/letter of grant, unless there is an appropriate justification. The beneficiaries shall inform the JCS and the Funding Organisations of that project of any event that might affect the implementation of the project.

The partners of the projects selected for funding must fix a common project start date, which will be the reference date for annual and final reports. It is expected that grant negotiations may take up to 3-4 months after the notification of results. The latest starting date is **1st May 2018**. All funded projects must be completed and reported back within the lifetime of the ERA-MIN 2, at least 6 months before the end of ERA-MIN 2 (November 2021).

The list of funded projects will be published on the ERA-MIN 2 website and on the websites of the participating Funding Organisations.

8.4.2. Consortium Agreement

The beneficiaries of a project selected for funding must sign a Consortium Agreement (CA) for cooperation, preferably before the official project start date but no later than six months after the official project start date, considering that some Funding Organisations cannot conclude the grant agreements without a signed CA. Each Funding Organisation will indicate when they expect the CA and how to submit it. A copy of the duly signed CA should be sent to the Funding Organisations.

The purpose of the CA is to ensure a well-functioning research collaboration and protection of partners' rights and obligations. Moreover, the CA should provide for a decision making process to deal with all relevant issues during the project lifetime. Models of CA are available (<http://www.desca-2020.eu/>). Nevertheless, the consortium is free to define its own CA subject to applicable legal and regulatory provisions. For guidance, the following items are usually addressed in a CA:

- Purpose of and definitions used in the CA;
- Common start date of the research project;
- Project structure and project management;
- Detailed identification of partners' contributions (financial contributions, Intellectual Property Rights' constitutions, personnel, etc.);
- Role and responsibilities of the project coordinator and the partners among themselves (e.g.; a proper communication and transmission of information within the project consortium) and towards the Funding Organisations and the European Commission, if applicable;
- Decision making process within the consortium properly reflecting the weight of each partner in the consortium (i.e., at proportion of partners' respective contributions);
- Resources and funding (e.g., each partner is responsible of the use of its own funding and must inform officially the whole consortium of resources difficulties in driving the work);
- Confidentiality and the rules for publishing (e.g., priority to patents as a first option and then requirement of a consortium decision before publication; mandatory information of all the partners before any kind of external communication. Decision to take by the consortium regarding the list of names as authors of the publication (all the names or solely the direct contributors);



- Management of Intellectual Property Rights (IPR): identification of pre-existing IPR/Background; allocation of IPR and access to IPR among partners at proportion of their respective contributions;
- Handling of internal disputes;
- The liabilities of the project partners.

The national/regional Funding Organisations shall have the right to use documents, information and results submitted by the research partners and/or to use the information and results according to their national/regional rules on IPR.

8.5. Monitoring and reporting procedures

Monitoring procedures will verify that all allocated resources are timely deployed to the research teams and by providing up-to-date progress information that can be used for administrative actions and strategic planning. ERA-MIN 2 will implement a low-effort online monitoring system as a common data base of funded projects for: (i) interim progress updates (monitoring of performance): a real-time resource-efficient monitoring of annual progress and proper performance of running projects; (ii) monitoring of successful completion by questionnaire.

On behalf of the consortium, the coordinators of the funded projects will submit annual and final reports to the JCS, in English, that contains information on scientific and administrative aspects. In addition, each beneficiary in a selected funded project must report to their respective national/regional funding organisation, according to their administrative funding rules. The beneficiaries are instructed to immediately contact the coordinator, the Funding Organisations involved and the JCS with any contingency that may arise.

This data base respects appropriate and secure use of material and data according to the application of common standards, following the guidelines on data management in Horizon 2020. The collected data will require a prior informed consent, will be protected and secured, in order to avoid a malevolent use of it.

The mid-term scientific evaluation exercise of funded projects will be based on the annual project reports and presentations made by the coordinators at the mid-term Seminar with the participation of the CSC members and invited stakeholders. As a result, the CSC may propose the continuation, the re-organisation or the suspension of the research project activities. Accordingly, travel expenses to attend this Seminar and the final Seminar should be included in the proposal budget plans, if eligible for the Funding Organisations.

The final scientific evaluation of funded projects will be organised under the ERA-MIN 2 Final Conference based on the final project reports and presentations made by the coordinators.

The final assessment results will be made available on the ERA-MIN 2 website and a wider dissemination through other relevant means will be carried out.

The representative of the coordinator should attend a minimum of two meetings organised by ERA-MIN 2 (mid-term and final seminars). In addition, the beneficiaries are expected to participate and contribute to any communication activity initiated by ERA-MIN 2 in the funding period and beyond.

Beneficiaries must ensure that all project publications, etc. include a proper acknowledgement to ERA-MIN 2, the European Commission, and the respective Funding Organisation.

9. Open Access and Open Data

The optimisation of the impact of publicly-funded scientific research is of fundamental importance to improve conditions to i) minimise the time spent searching for information and accessing it, ii) be able to speed up scientific progress, and iii) make it easier to cooperate across and beyond the European Union.

Open Access recommendations for all scientific publications produced by the funded projects will support *Green Open Access* (immediate or delayed open access provided through self-archiving), and/or *Gold Open Access* (immediate open access provided by a publisher) only depending on cost eligibility. In the case of *Green Open Access*, partners will (as soon as possible and at the latest on publication) deposit a machine-readable electronic copy of the published version or final peer-reviewed manuscript accepted for publication in a repository for scientific publications. In addition, partners will ensure open access to the deposited publication and bibliographic metadata.

In relation to Open Data, the funded projects will be recommended to submit metadata on all the data resources directly generated by the project on the Raw Material Information System (RMIS) of JRC, as well as additional information on how these data will be exploited, if and how data will be made accessible for verification and re-use, and how it will be curated and preserved. Metadata and additional information will be made publicly available via the ERA-MIN website. The Contact Point on Open Access and Open Data will be disseminated on ERA-MIN website, alongside specific information and procedures to follow.

10. Call Calendar

Call pre-announcement	1 December 2016
Publication of the Call	1 February 2017
Deadline for Pre-proposal submission (mandatory)	5 May 2017
Communication of pre-proposal assessment	10 July 2017
Deadline for Full Proposal submission	28 September 2017
Communication of full-proposal assessment	15 January 2018
Latest starting date of selected projects	1 May 2018

APPENDIX I - Sub-topics supported by the Funding Organisations

Topics		Argentina MINCYT	Belgium/Flanders FWO	Belgium/Flanders Hermesfonds	Brazil FINEP	Chile CONICYT	Finland Tekes	France ADEME	France ANR	Germany BMBF/Julich	Ireland GSI	Italy MIUR	Poland NCBR	Portugal FCT	Romania UEFISCDI	Slovenia MIZS	South Africa DST	Spain CDTI	Spain MINECO	Spain/Castilla y Léon ADE	Sweden Vinnova	Turkey TUBITAK
1.1	Exploration	X	X	X	X	X	X		X	X	X*	X	X	X	X	X	X	X	X	X	X	X
1.2	Mining operations		X	X	X	X	X			X	X*	X	X	X	X	X	X	X	X	X	X	X
1.3	Mine closure and reclamation		X	X	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X
2.1	Product design for increased raw material efficiency	X	X	X	X		X	X	X	X	X*	X	X	X	X	X	X	X	X	X	X	X
2.2	Product design for reuse or extended durability of products	X	X	X	X		X	X	X	X	X*	X	X	X	X	X		X	X	X	X	X
2.3	Product design to promote recycling	X	X	X	X		X	X	X	X	X*	X	X	X	X	X		X	X	X	X	X
2.4	Product design for critical materials substitution		X	X	X		X	X	X	X	X*	X	X	X	X	X		X	X	X	X	X
3.1	Increase resource efficiency in resource intensive production processes	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3.2	Increase resource efficiency through recycling of residues or remanufacturing	X	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
3.3	Increase resource efficiency using ICT		X	X	X		X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
4.1	End-of-life products collection and logistics	X	X	X	X		X	X	X	X		X	X	X	X	X		X	X	X	X	X
4.2	End-of-life products pre-processing		X	X	X		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X
4.3	Recovery of raw materials from End-of-life products	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.4	Increase recycling of End-of-Life products through ICT		X	X	X		X	X	X	X		X	X	X	X	X		X	X	X	X	X
5.1	New business models		X		X	X	X	X		X		X		X	X	X	X				X	X
5.2	Improvement of methods or data for environmental impact assessment		X		X	X	X	X		X	X	X		X	X	X	X				X	X
5.3	Social acceptance and trust/public perception of raw materials		X		X	X	X	X		X	X	X		X	X	X	X				X	X

x* - Dependant on funding requested.



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APPENDIX II - Technology Readiness Level (TRL) H2020 definition

TRL 1 – basic principles observed

TRL 2 – technology concept formulated

TRL 3 – experimental proof of concept

TRL 4 – technology validated in lab

TRL 5 – technology validated in relevant environment

TRL 6 – technology demonstrated in relevant environment

TRL 7 – system prototype demonstration in operational environment

TRL 8 – system complete and qualified

TRL 9 – actual system proven in operational environment



APPENDIX III - Online proposal and partners data

To be filled online in the available fields in the [ERA-MIN Electronic Proposal Submission System \(http://www.submission-era-min.eu/\)](http://www.submission-era-min.eu/).

The coordinator registers at the ERA-MIN Electronic Proposal Submission System and receives a registration e-mail with login details.

The coordinator adds new partners (name/loginname/e-mail address) to the consortium. The partners will receive a notification e-mail to login and complete their profile.

a) Proposal data/abstract/publishable abstract/keywords - *to be completed via ESS*

Proposal full title	
Proposal acronym/short name	
Start date ¹⁰ (month/ year)	
End date (month/ year)	
Project duration in months	
Topic and sub-topic ¹¹	The drop-down menu will allow selection of one main topic of the proposal and one, or more sub-topics.
Supplementary key words	(max. 5)
Abstract (mandatory):	(Describe briefly the background, objectives, needs addressed, methodology, work planning, stakeholder involvement and expected impact of outcomes and potential benefits and suggested collaborative project; max. 4000 characters)
Publishable abstract (mandatory):	(Describe briefly the background, objectives, needs addressed, methodology, work planning, stakeholder involvement and expected impact of outcomes and potential benefits and suggested collaborative project; max. 2000 characters)

b) Coordinator/partner profile- *to be completed via ESS*

Lead researcher name (Title/First name, Family name)		E-mail:	
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¹⁰ Before completing, each partner should inquire the respective Funding Organisation.

¹¹ Select the main topic addressed by the proposal and one, or more, sub-topics.





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Status of the organisation ¹²		website	
Name of the organisation			
Department		Country/region (Funding organisation)	
Address		Phone number Mobile Phone number Fax number	
Tasks	Please describe your task(s) in this project. This field is required. The maximum length is 500 characters.		
Upload curriculum vitae	(max. 2 pages/person; max. 3 persons (in one pdf); max. 2 MB, PDF file format)		
Declaration 1 National/regional regulations	<input type="checkbox"/> I am aware of the national/regional funding regulations (see Guidelines for Applicants).		
Declaration 2	In case of recommendation for funding, I hereby authorize the ERA-MIN Joint Call Secretariat to publish the information provided in the publishable abstract as well as the consortium partner organisations. I agree that the coordinator contact person details (name and e-mail address) will be published. <input type="checkbox"/> yes		

¹² UNI-university; PRO-Private Research Organisation; PUB-Public Research Organisation; SME-Small medium enterprise; IND-large enterprises; CO-consultancy; OTH-Others.





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c) Financial plan – to be completed via ESS

REQUESTED FUNDING (in EUR)

Organisation name	Personnel	Travel	Consumables /Equipment	Subcontracts	Other	Requested funding	Total own contribution
Partner 1							
Overhead (Partner 1)							
Partner 2							
Overhead (Partner 2)							
Partner N							
Overhead (Partner N)							
TOTAL							

OWN CONTRIBUTION (in EUR)

Organisation name	Personnel	Travel	Consumables /Equipment	Subcontracts	Other	Total own contribution
Partner 1						
Partner 2						
Partner N						
TOTAL						

d) Financial comments

Please provide a brief description to justify the requested funding, considering the national/regional funding regulations¹³.

It is mandatory to indicate the number of person-months dedicated by each partner to the project in the category “personnel”.

Organisation name	Personnel (indicate person-months)	Travel	Consumables/ Equipment	Subcontracts	Other
Partner 1					
Partner 2					
Partner N					

¹³ Read the call document “National/regional funding regulations”.



Appendix IV - Technical description of the pre-proposal (FORM A)

(to be completed on the ESS)

Provide a detailed technical description of the pre-proposal (sections 1-3), jointly filled in by all partners (**max. 6 pages A4**).

You have the opportunity to upload up to 5 images (Max file size: 600px x 600px, 2Mbyte; allowed formats are jpg, png or gif).

Section	Requested technical description of the pre-proposal	Maximum characters allowed
1. Scientific and/or technological excellence		
1.1.	Objectives with detailed account of their relationship to the call topic and expected impact	4000
1.2.	Research methodology and approach, highlighting the type of research and innovation activities proposed	4000
1.3	Current state of art and progress beyond the state-of-the-art; originality and/or innovation of the concept and approach (indicate start and target TRL¹⁴, if applicable)	4000
2. Impact		
2.1.	Expected outcomes and expected impacts (contribution to the expected impacts of the relevant topic and sub-topic at European and/or international level;	4000
2.2.	Contribution for the implementation of the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials.	4000
3. Quality and efficiency of the implementation		
3.1	Describe the expertise of partners and their complementarity for the expertise of the consortium as a whole (including distribution of tasks and efforts between partners)	4000
	Reference	4000

¹⁴ TRL – Technology Readiness Level. H2020 definition available in Appendix II.



Please upload one pdf (max. 10 MB) with the following attachments:

- Annex 2 - statement of commitment from each partner requesting funding signed by the lead researcher and the legal representative of the organisation (**Form B**);
- Annex 3 - statement of own funding signed by the lead researcher and the legal representative of the organisation (**Form C**) only in the case of partners not requesting funding.

The current state of the submitted data can be downloaded by click on “Factsheet”.

The missing data is indicated when you click on “Validation” in the left side navigation of the ESS.

Only when all mandatory fields are completed, you are able to click on “Submit”, which completes the submission of the application.

Appendix V - Technical description of the full-proposal (FORM A)

(to be completed on the ESS)

- Provide a detailed technical description of the full-proposal (sections 1-5), jointly filled in by all partners (**max. 22 pages A4**).

Section	Requested technical description of the full-proposal	Maximum characters allowed
1. Scientific and/or technological excellence		
1.1.	Objectives with detailed account of their relationship to the call topic and expected impact	4000
1.2.	Research methodology and approach, highlighting the type of research and innovation activities proposed	4000
1.3	Current state of art and progress beyond the state-of-the-art; originality and/or innovation of the concept and approach (indicate start and target TRL ¹⁵ , if applicable)	8000
1.4.	Consideration of interdisciplinary approaches and, where relevant, use of stakeholder knowledge	4000
2. Impact		
2.1.	Expected outcomes and expected impacts (contribution to the expected impacts at European and/or international level of the relevant topic and sub-topic; any substantial impacts that would enhance innovation capacity; any barriers/obstacles, and any framework conditions such as regulation, standards, public acceptance, workforce considerations, financing of follow-up steps, cooperation	8000

¹⁵ TRL – Technology Readiness Level. H2020 definition available in Appendix II.





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Section	Requested technical description of the full-proposal	Maximum characters allowed
	of other links in the value chain, that may determine whether and to what extent the expected impacts will be achieved)	
2.2.	Proposed measures for exploitation, dissemination and communication of project activities and expected outcomes	8000
2.3	Contribution for the implementation of the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials.	4000
2.4	Consortium agreement principles (describe partners' rights and duties, conflict solving, position with regard to intellectual property rights (IPR) management)	4000
3. Quality and efficiency of the implementation		
3.1	Detailed work plan description, including work package objectives and description, list of deliverables and list of milestones	28000
3.2.	Description of project management structures and procedures, including risk and innovation management	4000
3.3	Describe the expertise of partners and their complementarity for the expertise of the consortium as a whole (including distribution of tasks and efforts between partners)	4000
	References	4000
	Ethical issues (complete the ethics issues table)	-





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For Section 3.1 (Detailed work description) please use the tables below:

Work package (WP) No.	Title	Leader	Type of activity ¹⁶	Description
1				
2				
3				
4				
5				
N				

(Use as many lines as needed)

Deliverables

WP no.	No.	Title	Due month
1			
2			
3			
4			
5			
N			

(Use as many lines as needed)

Milestones

WP no.	No.	Title	Due month
1			
2			
3			
4			
5			
N			

(Use as many lines as needed)

¹⁶ Indicate one of the following: BR (Fundamental/Basic Research); AR (Industrial/Applied Research); ED (Experimental development); MGT (Management) or OTH (Other).



Estimated person months per work package

WP	Partner 1	Partner 2	Partner 3	Partner 4	Partner 5	Partner N	Total
WP 1							
WP N							
Total							

Full-Proposal includes H2020 “Ethics issues table” that must be filled in with yes/no. Applicants should always describe any relevant ethical aspects in their research plans. If a research permit or a statement by an ethics committee is required for the implementation of the project, applicants shall provide information on the permits or permit proposals. In case ethical issues apply (applicants mark respective issues in the table) ERA-MIN 2 recommends that the national/regional organisations observe these issues (e.g. post-evaluation review) for their respective funded projects.

Ethics issues table

ETHICS ISSUES	YES	PAGE
1.HUMAN EMBRYOS/FOETUSES		
Does your research involve Human Embryonic Stem Cells (hESCs)?		
Does your research involve the use of human embryos?		
Does your research involve the use of human foetal tissues / cells?		
2.HUMANS		
Does your research involve human participants?		
Does your research involve physical interventions on the study participants?		
Does it involve invasive techniques?		
3.HUMAN CELLS / TISSUES		
Does your research involve human cells or tissues? If your research involves human embryos/foetuses, please also complete the section “Human Embryos/Foetuses” [Box 1].		
4.PROTECTION OF PERSONAL DATA		
Does your research involve personal data collection and/or processing?		
Does your research involve further processing of previously collected personal data (secondary use)?		
5.ANIMALS		





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ETHICS ISSUES	YES	PAGE
Does your research involve animals?		
6. NON-EU COUNTRIES		
Does your research involve non-EU countries?		
Do you plan to use local resources (e.g. animal and/or human tissue samples, genetic material, live animals, human remains, materials of historical value, endangered fauna or flora samples, etc.)?		
Do you plan to import any material - including personal data - from non-EU countries into the EU? If you consider importing data, please also complete the section "Protection of Personal Data" [Box 4].		
Do you plan to export any material - including personal data - from the EU to non-EU countries? If you consider exporting data, please also complete the section "Protection of Personal Data" [Box 4].		
If your research involves low and/or lower middle income countries, are benefits-sharing measures foreseen?		
Could the situation in the country put the individuals taking part in the research at risk?		
7. ENVIRONMENT PROTECTION		
Does your research involve the use of elements that may cause harm to the environment, to animals or plants?		
Does your research deal with endangered fauna and/or flora and/or protected areas?		
Does your research involve the use of elements that may cause harm to humans, including research staff?		
8. DUAL USE		
Does your research have the potential for military applications?		
9. MISUSE		
Does your research have the potential for malevolent/criminal/terrorist abuse?		
10. OTHER ETHICS ISSUES		
Are there any other ethics issues that should be taken into consideration? Please specify		
I CONFIRM THAT NONE OF THE ABOVE ISSUES APPLY TO MY PROPOSAL		

Please upload one pdf (max. 10 MB) with the following attachments:





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- Annex 2 - statement of commitment from each partner requesting funding signed by the lead researcher and the legal representative of the organisation (Form B);
- Annex 3 - statement of own funding signed by the lead researcher and the legal representative of the organisation (Form C) only in the case of partners not requesting funding.

The current state of the submitted data can be downloaded by click on “Factsheet”.

The missing data is indicated when you click on “Validation” in the left side navigation of the ESS.

Only when all mandatory fields are completed, you are able to click on “Submit” which completes the submission of the application.



Appendix VI - Statement of commitment (FORM B)

Logo of the partner's organisation

Statement of commitment

As the legal representative of the Organization (*name/country*) I support the submission of the transnational proposal (*title/acronym*) to the **ERA-MIN Joint Call 2017 on Raw Materials for Sustainable Development and the Circular Economy**, providing the essential conditions for the implementation of the project, according to the work programme presented.

As Lead Researcher¹⁷ (*name/position*), of the Department (*name*), I am aware of the ERA-MIN Call Text, the procedures and the national/regional rules and regulations, and confirm that the proposal fulfils our national/regional eligibility criteria in order to be eligible for the ERA-MIN Joint Call 2017.

In addition, the national/regional contact point (*name*) of the funding organisation (*name/acronym*) have been contacted on the national/regional eligibility rules and funding regulations.

Place, Date

(Name of the legal representative of the Organisation)

(Name of the Lead Researcher)

(Signature of the legal representative of the Organisation)

(Signature of the Lead Researcher)

¹⁷ Lead researcher: the main responsible person of a legal entity who is the contact point with the corresponding national/regional Funding Organisation.



Appendix VII – Declaration of own funding (FORM C)

Logo of the partner's organisation

Declaration of own funding

As the legal representative of the Organisation (*name/country*), I state that the financial support is guaranteed to the Organisation (*name/country*) to participate as a partner in the transnational RTD proposal (*title/acronym*), coordinated by (*name/organisation/ country*) and submitted to the **ERA-MIN Joint Call 2017 on Raw Materials for Sustainable Development and the Circular Economy**.

The Lead researcher in charge is (*name/position*) and is part of the Department (*name*).

Place, Date

(Name of the legal representative of the Organisation)

(Name of the Lead researcher)

(Signature of the legal representative of the Organisation)

(Signature of the Lead researcher)





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Annex 3: National/Regional Funding regulations (version 01.03.2017)



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ERA-MIN Joint Call 2017

RAW MATERIALS FOR SUSTAINABLE DEVELOPMENT
AND THE CIRCULAR ECONOMY

NATIONAL/REGIONAL FUNDING REGULATIONS

Link to [«ERA-MIN 2 Calls»](#)

Link to the [Electronic Proposal Submission System](#)





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For further information contact the Joint Call Secretariat:

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FCT - Fundação para a Ciência e a Tecnologia

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Table 1 - Summary of the national/regional funding regulations.

Country/ Region	Funding Organisation	Topics and sub-topics eligible for funding	Entities eligible for funding	Type of research eligible for funding	Additional requirements by the funding organisation
Argentina	MINCyT			ALL	
Belgium/ Flanders	FWO	ALL	Academia	Basic research	NO
Belgium/ Flanders	Hermesfonds /VLAIO	1,2,3,4	Companies	ALL	
Brazil	Finep	ALL	Companies and academia	Basic and applied research	A separate formal application needs to be submitted to Finep
Chile	CONICYT	1,5		ALL	
Finland	Tekes	ALL		Applied Research and Experimental development	NO
France	ADEME	2,3,4,5	ALL		A national funding application needs to be submitted to ADEME
France	ANR	Topic 1: only sub- topics 1.1 and 1.3 Topics 2, 3, 4	ALL	Fundamental research Industrial research Experimental development	
Germany	BMBF/ JUELICH		ALL	Applied Research and Experimental development	
Ireland	GSI			ALL	NO
Italy	MIUR	ALL			Additional national documents must be sent to MIUR





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Poland	NCBR	1,2,3,4	!	Applied Research Experimental development	! Consortium with one Polish enterprise
Country/Region	Funding Organisation	Topics and sub-topics eligible for funding	Entities eligible for funding	Type of research eligible for funding	Additional requirements by the funding organisation
Portugal	FCT	ALL	ALL	!	! A "Statement of Commitment" must be submitted to FCT
Romania	UEFISCDI	ALL	ALL	ALL	NO
Slovenia	MIZS	ALL	ALL	Basic and applied research	! Consortium with partners from, at least, 3 countries
South Africa	DST	!	ALL	ALL	! Applications must be submitted first to DST
Spain	CDTI	1,2,3,4	Companies	!	! A separate formal application must be submitted through the CDTI system
Spain	MINECO - AEI	1,2,3,4	Academia	Basic research	! Consortium between non-profit research organisations and profit organisation funded by CDTI
Spain/ Castilla y León	ADE	1,2,3,4	Companies	Industrial Research and Experimental Development	! An additional form must be sent to ADE
Sweden	Vinnova	ALL	ALL	ALL	
Turkey	TUBITAK	ALL	ALL	ALL	! application in Turkish must be submitted via online to TUBITAK

! means that there are some restrictions and there is a need to check the corresponding national/regional regulations available in this document.



1. Argentina – MINCYT

a) National eligibility criteria

Funding Organisation	Ministry of Science, Technology and Productive Innovation (MINCYT)
Funding Programme (if applicable)	N.A.
Initial funding pre-commitment	100,000 Euro
National Contact Point	<p>Monica Silenzi E-mail: msilenzi@mincyt.gob.ar Tel.: 00541148995000 ext: 4084</p> <p>Agustina Velo E-mail: avelo@mincyt.gob.ar</p> <p>Website: www.mincyt.gob.ar</p>
Eligible entities	Universities; R&D public and private institutions; Small and Medium Enterprises
Additional eligibility criteria	<p>In the first ERAMIN2 call, MINCYT will support up to 2 (two) projects, € 50.000 Euros each.</p> <p>Submission of the proposal at the national level is not required. However, the selected proposals must present institutional support letter.</p> <p>We highly recommend contact MINCYT & NCP's for the preparation of the proposal.</p>
Eligible costs	<p>Direct Costs</p> <ul style="list-style-type: none"> - Mobility (travel + accommodation) - Short-term exchange visits - Meeting, workshops and events organization - Publication, dissemination - Consumables - Small equipment (up to 15.000 euros) <p>Indirect Costs</p> <ul style="list-style-type: none"> - Only administration

b) Funding rates

	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Industrial/Applied	Non-eligible	Up to 70 %	Up to 70 %	Up to 100 %



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Research				
Experimental development	Non-eligible	Up to 70 %	Up to 70 %	Up to 100 %





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2. Belgium/Flanders - FWO

a) Regional eligibility criteria

Funding Organisation	FONDS VOOR WETENSCHAPPELIJK ONDERZOEK-VLAANDEREN
Funding Programme (if applicable)	Research Projects
Initial funding pre-commitment	150,000 Euro
National Contact Point	Olivier Boehme Tel: +32 2 550 15 45 Toon Monbaliu Tel: +32 2 550 15 70 eranet@fwo.be
Eligible entities	Art. 9 of the FWO-regulation on the regular research projects is applicable.
Additional eligibility criteria	The FWO-regulation on the regular research projects is applicable. Additionally, only basic, fundamental research is eligible for funding. Strategic Basic Research (SBO-programme) is not fundable by FWO in this call.
Eligible costs	Funding money can be used for staff, consumables and infrastructure. The minimal and maximal amounts of money allowed per cost category, as applicable for the regular FWO-projects, are not applicable for the projects funded by FWO in ERA-NET. Overhead is not an eligible cost. Notwithstanding, FWO pays the host institutions of a project 6% overhead on top of the funding amount.

b) Funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	/	/	/	Up to 100%
Industrial/Applied Research	/	/	/	/
Experimental development	/	/	/	/





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3. Belgium/Flanders - Hermesfonds

a) National eligibility criteria

Funding Organisation	Flanders Innovation & Entrepreneurship (VLAIO)
Funding Programme (if applicable)	Industrial R&D projects
Initial funding pre-commitment	1 million euro
National Contact Point	elsie.declercq@vlaio.be
Eligible entities	Any enterprise, from an SME to the Flemish branch of a multinational company may request funding. The only condition is that the enterprise should have a legal personality upon signing the agreement. Furthermore, the enterprise should have the capacity to exploit the result to a sufficient extent in Flanders and hence create enough economic impact in the form of employment and investments.
Additional eligibility criteria	<ul style="list-style-type: none"> • at least € 100.000 budget • Before initiating a funding request for international projects, the applicant should contact VLAIO – Flemish applicants need to provide a regional ERA-NET addendum to VLAIO <p>The maximum amount of funding for one project is € 500.000</p>
Eligible costs	The budget of the industrial partner consists of own payroll costs, other costs (i.e. direct and indirect costs), costs large subcontractors, large costs, costs research partner

b) National funding rates

Maximum funding amount: funding capped at € 500.000

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	60%	70%	80%	possible to collaborate with universities and research organizations – same funding rate as industrial partner
Industrial/Applied Research	35%	45%	55%	possible to collaborate with universities and research organizations – same funding rate as industrial partner
Experimental development	35%	45%	55%	possible to collaborate with universities and research organizations – same funding rate as





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				industrial partner
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4. Brazil - Finep

a) National eligibility criteria

Funding Organisation	FINEP – Financiadora de Estudos e Projetos
Funding Programme (if applicable)	N.A.
Initial funding pre-commitment	750,000 Euro
National Contact Point	Denise Cristiano Reigada Telefone: +55 21 2555-0209 dreigada@finep.gov.br Henrique Vasquez Féteira do Vale Telefone: +55 21 2555-0709 hvasquez@finep.gov.br
Eligible entities	Companies, Public and Private Research Institutes and Universities.
Additional eligibility criteria	Duration of the project: The length of these projects may be from 12 to 36 months. Minimum budget (for Brazilian applicant activities): 100.000€ Maximum grant amount (to support Brazilian applicant activities): 375.000€ We highly recommend contact Finep for the preparation of the proposal.
Eligible costs	Personnel, Instrument and Materials, Equipment, Contractual research, Technical knowledge, construction and facilities for R&D activities. Other operating expenses derived from the project.

b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	40%	60%	80%	80%
Industrial/Applied Research	40%	60%	80%	80%
Experimental development	40%	60%	80%	80%

5. Chile - CONICYT

a) National eligibility criteria

Funding Organisation	CONICYT
Funding Programme (if applicable)	Programa de Cooperacion Internacional
Initial funding pre-commitment	Approx. 385,000 Euro
National Contact Point	Pedro FIGUEROA Pfigueroa@conicyt.cl
Eligible entities	Universities and research organizations.
Additional eligibility criteria	Maximum contribution requested to CONICYT: €95,000 per project.
Eligible costs	Personnel costs Travel expenses Materials and supplies costs Equipment Subcontracting Dissemination

b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	/	/	/	100% of eligible costs
Industrial/Applied Research	/	/	/	100% of eligible costs
Experimental development	/	/	/	100% of eligible costs



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6. Finland –Tekes

a) National eligibility criteria

Funding Organisation	Tekes – The Finnish Funding Agency for Innovation
Funding Programme (if applicable)	Smart & Green Growth
Initial funding pre-commitment	1,000,000 Euro (500,000 Euro for Universities and research centers)
National Contact Point	Kari Keskinen (kari.keskinen@tekes.fi)
Eligible entities	Companies, Universities, Research centers
Additional eligibility criteria	
Eligible costs	All project costs during the project under the following categories are eligible: Personnel with overheads, travel, equipment, devices and subcontracting.

b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	/	/	/	/
Industrial/Applied Research	40%	50%	50%	60%
Experimental development	/	70% loan	70% loan	/



7. France – ADEME

a) National eligibility criteria

Funding Organisation	French Environment and Energy Management Agency - ADEME
Funding Programme	Research and development program
Initial funding pre-commitment	500,000 Euro
National Contact Point	Applicants are highly encouraged to contact the following persons before submitting their proposal: Rachel BAUDRY rachel.baudry@ademe.fr +33 (0)241 91 40 70 Erwan AUTRET erwan.autret@ademe.fr +33 (0)241 204 308 20 avenue du Grésillé – B.P. 90406 – F -49004 ANGERS Cedex 01
Eligible entities	Small, medium and large enterprises, universities and research organisations are eligible.
Additional eligibility criteria	Please note that ADEME can only finance projects on metallic resources and industrial minerals. Projects on construction materials are not eligible. All French applicants have to submit a national funding application, with financial information only, immediately after the submission of the full proposal. The national application form will be sent by ADEME to the coordinator of the selected pre-proposals.
Eligible costs	ADEME's eligible costs are detailed in the following documents (available in French) « Règles générales d'attribution et de versement des aides de l'ADEME » et « Régime d'aides de l'ADEME à la recherche, au développement et à l'innovation ». It includes salaries, overheads, travel expenses, devices, equipment and operational costs.

b) National funding rates

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	0%	0%	0%	Max. 70%



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Industrial/Applied Research	Max. 50%	Max. 60%	Max. 70%	Max. 50%
Experimental development	Max. 25%	Max. 35%	Max. 45%	Max. 50%



8. France –ANR

a) National eligibility criteria

Funding Organisation	Agence Nationale de la Recherche (ANR)
Funding Programme (if applicable)	See National annexes
Initial funding pre-commitment	700,000 Euro
National Contact Point	Massimiliano Picciani Chargé de mission scientifique ANR +33 1 73 54 81 96 massimiliano.picciani@anr.fr
Eligible entities	Universities and research organizations Large, medium and small enterprises Private non-profit organisations: see ANR funding regulations
Additional eligibility criteria	Projects with TRL 1 to 5 Projects concerning the following topics and sub-topics: Topic 1: only 1.1 and 1.3 Topics 2, 3, 4: all No subtopics of topic 5 For French partners: see the National annex “Annexe nationale ANR ERA-MIN 2” , for instance about projects duration, amounts of financial support, deadlines and consortia.
Eligible costs	See ANR funding regulations (“Règlement relatif aux attributions des aides de l’ANR”, in the table below shortly indicated as RF) http://www.agence-nationale-recherche.fr/RF

b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	30%	45%	45%	50% or 100% (see RF)
Industrial/Applied Research	30%	35% or 45% (see RF)	35% or 45% (see RF)	50% or 100% (see RF)
Experimental development	25%	35% or 45% (see RF)	35% or 45% (see RF)	50% or 100% (see RF)



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9. Germany - BMBF

a) National eligibility criteria

Funding Organisation	Projektträger Jülich – PtJ (Project Management Jülich) on behalf of the Federal Ministry of Education and Research (BMBF)
Funding Programme (if applicable)	FONA ³ - Forschung für Nachhaltige Entwicklung (www.fona.de)
Initial funding pre-commitment	ca. 2,000,000 Euro
National Contact Point	<p>Dr.-Ing. Holger Grünewald Projektträgerschaft Ressourcen und Nachhaltigkeit Projektträger Jülich Umweltinnovationen (UMW 1)</p> <p>Forschungszentrum Jülich GmbH Zimmerstr. 26-27 – 10969 Berlin Germany</p> <p>Tel.: +49 (0)30 20199-3183 Fax: +49 (0)30 20199-3330</p> <p>h.gruenewald@fz-juelich.de</p>
Eligible entities	<ul style="list-style-type: none"> - Universities, Research-Organisations - Companies (SMEs and large enterprises) - Others (NGO's, associations, municipalities), please check with the National Contact Point
Additional eligibility criteria	<ol style="list-style-type: none"> 1. All proposals must be aligned with national funding regulations by BMBF and the thematic scope of FONA³. It is strongly recommended to get in contact with the National Contact Point to check this before submitting a proposal. 2. For pre-proposals (stage 1) no additional nationals documents or forms are required 3. Topic 1.3 (Mine closure and reclamation) is excluded for German applicants 4. Offshore/deep-sea-mining-projects are also excluded for German applicants 5. Topic 5 (Cross-cutting issues) can only be funded as an integral part of a





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	<p>technology development project (topic 1-4).</p> <p>6. A project consortium with German participation must include at least one German enterprise.</p>
Eligible costs	Personal, consumables, equipment, travel, subcontracting, overhead; corresponding to the national BMBF funding rules

b) National funding rates

Funding quotes of German participants can be up to 100% for universities or research organisations. Universities may apply for an additional top-up of 20% (“BMBF-Projektpauschale”) which needs to be included in the budget calculation. In the case of enterprises, funding quotes will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities and commercial perspective of exploitation. Organization must be registered in Germany, the research activities should also be located in Germany, as well as the planned exploitation.

Maximum funding rates:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	Up to 50%	Up to 60%	Up to 60%	Up to 100%
Industrial/Applied Research	Up to 50%	Up to 60%	Up to 60%	Up to 100%
Experimental development	Up to 25%	Up to 35%	Up to 35%	Up to 100%



10. Ireland – GSI

a) National eligibility criteria

Funding Organisation	Geological Survey Ireland
Initial funding pre-commitment	450,000 Euro
National Contact Point	Aoife Braiden Aoife.Braiden@gsi.ie
Eligible entities	Industry or academic partners (HEIs)
Additional eligibility criteria	no
Eligible costs	Equipment costs (excluding rental) must be less than 25% of the total budget to the Irish partner

b) National funding rates

Maximum funding amount: up to €100k per annum

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	x	x	x	x
Industrial/Applied Research	x	x	x	x
Experimental development	x	x	x	x

The GSI can fund Projects that include a budget with max of 20% (of total direct costs) contribution to indirect costs but for any type of research and for any type of entity.

11. Italy – MIUR

a) National eligibility criteria

Funding Organisation	Ministry of Education, University and Research
Funding Programme (if applicable)	FIRST - Fondo per gli Investimenti nella Ricerca Scientifica e Tecnologica http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020).aspx (Information to be updated)
Initial funding pre-commitment	140,000 Euros. A maximum grant of 70 000 Euros can be awarded to each project proposal, even if it includes more than one Italian participant.
National Contact Point	International questions: Aldo Covello (E-mail: aldo.covello@miur.it ; Phone: +39 06 5849 6465) Gaia Brenna (E-mail: gaia.brenna@miur.it ; Phone +39 06 5849 7404)
Eligible entities	According to art. 60 of the Decree-Law n. 83/2012 and art. 5 of its implementing Ministerial decree 593/2016, the following entities are eligible for funding, providing that they have stable organization in Italy: 1. Enterprises (including private IRCCS, “Istituti di Ricovero e Cura a carattere scientifico”); 2. Private research bodies; 3. Consortia; 4. Universities; 5. Public research institutions (including public IRCCS); 6. Research organizations (public and private) in accordance with EU Reg. n. 651/2014 of the European Commission - June 17, 2014. A maximum of two Italian participants per project proposal is admitted.
Additional eligibility criteria	All activities classifiable as Basic research, Industrial research and Experimental development are eligible for funding. Furthermore, Basic research and Industrial research activities must be predominant with respect to Experimental development activities. <i>Financial conditions:</i> For any private entity, the following financial criteria, calculated using the data reported in the last approved balance sheet, must be fulfilled: I. $CN > (CP - I)/2$ Where: CN = net assets (Capitale netto) CP = sum of the costs of all the projects for which public funding has been requested by the participant during the year I = sum of the contributions received, approved or requested for the same projects II. $OF/F < 8\%$ Where: OF = financial charges (Oneri finanziari) F = turnover (Fatturato) <i>Legal/administrative/financial conditions:</i>



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	<p>The participant must not be defaulting with regard to other funding received by MIUR.</p> <p>The participant must not have requested/got any other funding for the same research activities.</p> <p>The participant must respect the Italian law „D.Lgs. n 159 del 6/05/2011 e successive modificazioni ed integrazioni”.</p> <p><i>National Forms and deadlines:</i></p> <p>Italian participants are required to provide a set of additional national documents as defined in MIUR’s website (http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/era-min-2.aspx). These additional national documents must be sent to MIUR by the same deadline of the pre-proposal phase submission established in the international joint call.</p> <p>Participants who do not send their national documents by the deadline of the call, will be considered not eligible for funding.</p> <p>The admission for funding is subject to the adoption of the necessary accounting and administrative measures for the allocation of the resources.</p> <p>Funded participants will be requested to submit financial and scientific reports to MIUR.</p> <p>On request of applicants a pre-payment may be done, equal to:</p> <ul style="list-style-type: none"> - 80% of the total contribution for public entities; - 50% of the total contribution for private entities. <p>The remaining part of contribute will be paid in instalments after each financial and progress reporting period.</p>
<p>Eligible costs</p>	<p>All costs incurred during the lifetime of the project under the following categories are eligible: Personnel, Equipment, Subcontracting, Consumables and Overheads.</p>

b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	20%	30%	40%	70%
Industrial Research	20%	30%	40%	50%
Experimental development	10%	20%	30%	25%



12. Poland – NCBR

a) National eligibility criteria

Funding Organisation	National Center for Research and Development (Narodowe Centrum Badań i Rozwoju)
Initial funding pre-commitment	500,000 Euro
National Contact Point	<p>Maria Bojanowska-Sot Project Coordinator Section of Management of Applied Research Programmes INFOTECH e-mail: maria.bojanowska-sot@ncbr.gov.pl phone: +48 22 39 07 186 mobile: +48 515 061 549</p>
Eligible institutions	<p>Following entities are eligible to apply:</p> <ul style="list-style-type: none"> • Research Organizations; • Micro, Small, Medium and Large Enterprise <p>Organization must be registered in Poland.</p>
Additional eligibility criteria	<ol style="list-style-type: none"> 1. All proposals must be aligned with National regulations, inter alia: <ul style="list-style-type: none"> • The Act of 30 April 2010 on the Principles of Financing Science, published in Journal of Laws 2014, item 1620; • The Act of 30 April 2010 on the National Centre for Research and Development, published in Journal of Laws 2016, item 900; • The Regulation of the Minister of Science and Higher Education of 25 February 2015 on criteria and rules on granting state aid and “de minimis” aid by the National Centre for Research and Development, published in Journal of Laws 2015, item 299 2. The project consortium with Polish participation must contain at least one Polish enterprise (with declared budget and tasks) to be eligible for funding.
Eligible costs	<p>The eligible costs shall be the following:</p> <ol style="list-style-type: none"> 1. personnel costs (researchers, technicians and other supporting staff to the extent employed on the research project); 2. costs of instruments and equipment, technical knowledge and patents to the extent and for the period used for the research project; if such instruments and equipment are not used for their full life for the research project, only the depreciation costs corresponding to the life of



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	<p>the research project, as calculated on the basis of good accounting practice, shall be considered eligible;</p> <p>3. costs for buildings and land, to the extent and for the duration used for the research project; with regard to buildings, only the depreciation costs corresponding to the life of the research project, as calculated on the basis of good accounting practice shall be considered eligible; for land, costs of commercial transfer or actually incurred capital costs shall be eligible;</p> <p>4. costs of subcontracting (E), i.e. costs based on agreements with third parties to perform a portion of the project without a direct supervision of the project participant and without a relationship of subordination; the subcontracting can be obtained from consortium partner only in justified case, this need will be verified by a national experts panel; costs of subcontracting cannot exceed 70% of all eligible costs of the project</p> <p>5. other operating costs including costs of support services, materials, supplies and similar products incurred directly as a result of the research activity;</p> <p>6. additional overheads incurred indirectly as a result of the research project; that costs cannot account for more than 25% of all eligible project costs; That costs (6) are counted as a multiplication by percentage given above (called x%) and the rest of direct costs, excluding subcontracting (4); It means $6=(1+2+3+5)*x\%$.</p>
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b) National funding rates

Funding quota of Polish participants can be up to 100% for universities or research organisations. In the case of enterprises, funding quota will be decided on a case-by-case basis depending on the size of the company, type of research/development, risk associated with the research activities and commercial perspective of exploitation. Organization must be registered in Poland.

	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Industrial/Applied Research	Up to 50+15 (max 65 %)	Up to 50+10+15 (max 75 %)	Up to 50+20+15 (max 80 %)	Up to 100 %





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Experimental development	Up to 25+15 (max 40 %)	Up to 25+10+15 (max 50 %)	Up to 25+20+15 (max 60 %)	Up to 100 %
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Other type of activities (e.g. coordination, dissemination, management) are not eligible for funding as separate tasks. They can be included in a appropriate cost category within research tasks.



13. Portugal – FCT

a) National eligibility criteria

Funding Organisation	FCT - Fundação para a Ciência e a Tecnologia (Foundation for Science and Technology) www.fct.pt
Funding Programme	Programme 3599.
Initial funding pre-commitment	500,000 Euro
National Contact Point	Dina CARRILHO E-mail: dina.carrilho@fct.pt Tel: [+35 1] 21 392 4381 Marta NORTON E-mail: marta.norton@fct.pt Tel: [+351] 213911565
Eligible institutions	For detailed information consult the Regulations governing access to funding for scientific research and technological development projects — 2016) at: https://www.fct.pt/apoios/projectos/regulamentofundosnacionais.phtml.pt
Additional eligibility criteria	The funding to the Portuguese participation is limited in a transnational proposal as described at: https://www.fct.pt/apoios/cooptrans/eranets/eramin2/index.phtml.pt Each Portuguese institution must sign a “Declaração de Compromisso” which must be sent, by e-mail, to the FCT’s contact person no later than one week after the pre-proposal submission deadline.
Eligible costs	The eligible costs are detailed in the Regulations governing access to funding for scientific research and technological development projects — 2016 at: https://www.fct.pt/apoios/projectos/regulamentofundosnacionais.phtml.pt

b) National funding rates

The funding quota of the Portuguese participants can be up to 100% for universities or research organisations (see national funding rules). In the case of enterprises, funding quota is 50% maximum of eligible expenses. The organizations must be registered in Portugal. For further information please check <https://www.fct.pt/apoios/projectos/regulamentofundosnacionais.phtml.pt>

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations, other
Fundamental/Basic Research	50%	50%	50%	100 %
Industrial/Applied Research	50%	50%	50%	100 %



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Experimental development	50%	50%	50%	100 %
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14. Romania – UEFISCDI

a) National eligibility criteria

Funding Organisation	Executive Agency for Higher Education, Research, Development and Innovation Funding (UEFISCDI)
Funding Programme (if applicable)	UEFISCDI finances RTD projects recommended for funding following their participation in the joint calls of the ERA-NET projects in which UEFISCDI participates. The participation of the Romanian research teams in the ERA-MIN projects recommended for funding under this Joint Call will be funded and monitored within the UEFISCDI programmes.
Initial funding pre-commitment	600,000 Euro
National Contact Point	<i>Mihaela MANOLE</i> E-mail mihaela.manole@uefiscdi.ro Tel. (+40) 21 3023863
Eligible entities	Eligible entities for funding are universities, public institutions, R&D national institutions, joint-stock companies, SME's and Large companies, NGOs (associations, foundations, etc.), others.
Additional eligibility criteria	Funding rates vary in accordance with state aid legislation. For more information : http://uefiscdi.gov.ro/articole/4536/Pachet-de-informatii-ERANETERANET-Cofund.html
Eligible costs	For the fundamental research activities, industrial research and experimental development, according to HG 134/2011, types of expenses are eligible, as follow: a. Staff costs; b. Logistics expenses - Capital expenditure ; - Expenditure on stocks - supplies and inventory items; - Expenditure on services performed by third parties cannot exceed 25 % of the funding from the public budget. The subcontracted parts should not be core/substantial parts of the project work; c. Travel expenses; d. Overhead (indirect costs) is calculated as a percentage of direct costs: staff costs, logistics



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b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	100%	100%	100%	100%
Industrial/Applied Research	Up to 50+15 (max 65 %)	Up to 60+15 (max 75 %)	Up to 70+10 (max 85 %)	100%
Experimental development	Up to 25+15 (max 40 %)	Up to 35+15 (max 50 %)	Up to 45+15 (max 60 %)	100%



15. Slovenia – MIZS

a) National eligibility criteria

Funding Organisation	MIZS – Ministrstvo za izobraževanje, znanost in sport (Ministry for Education, Science and Sport)
Funding Programme	Programs of International Scientific Cooperation (Mednarodno znanstveno sodelovanje)
Initial funding pre-commitment	420,000 Euro
National Contact Point	Doroteja ZLOBEC E-mail: doroteja.zlobec@gov.si Tel: +386 (0)1 478-4624
Eligible institutions	<p>Eligibility of a partner as a beneficiary institution: Research organizations as defined in the national Research and Development Act (Zakon o raziskovalni in razvojni dejavnosti - ZRRD, Uradni list RS, št. 22/06 – uradno prečiščeno besedilo, 61/06-ZDru-1, 112/07, 9/11 in 57/12-ZPOP-1A.) All participating institutions have to be registered in the Slovenian Research Agency register of research institutions (Informacijski sistem o raziskovalni dejavnosti v Sloveniji - Sicris).</p> <p>Eligibility of principal investigator and other research team members: The project activities of the Slovenian partner have to be under the supervision of the primary investigator/primary researcher who fulfils the requirements for project leader as defined in Art. 29 of the national Decree on criteria and standards for allocating resources for the implementation of the research activity, financed from the budget of the Republic of Slovenia (Uredba o normativih in standardih za določanje sredstev za izvajanje raziskovalne dejavnosti, financirane iz Proračuna Republike Slovenije, Uradni list RS, št. 103/11, 56/12, 15/14 in 103/15, from now on: Decree on criteria and standards). The criteria are further determined in the Rules on Determining the Fulfilment of Conditions for a Research Project Leader (Pravilnik o kriterijih za ugotavljanje izpolnjevanja pogojev za vodjo raziskovalnega projekta, Uradni list RS št. 41/09 in 72/11). All participating researchers have to be registered in the Slovenian Research Agency register of researchers (Sicris) and must have available research hours.</p>
Additional eligibility criteria	<p>Announcement of the Call can also be find on the MIZS web page.</p> <p>Consortium with partners from at least 3 different countries are eligible.</p> <p>Period of eligibility of public expenditures: As of budgetary year 2018 until the end of the budgetary year 2021.</p> <p>Period of eligibility of expenditures on the project: From the starting date of the transnational project stipulated in the consortium agreement for a period of 24 or 36 months, with a prescribed additional 30-day period for the payment of invoices related to the project costs. The exact duration of the project will be defined in the contract between MIZS and the selected Slovenian partner, after</p>



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	<p>the consortium agreement between the selected consortium partners enters into force.</p> <p>Total requested funding per project: For all Slovenian partners within one consortium must not exceed 70.000 € per year.</p> <p>Project duration: 24 to 36 months.</p> <p>Eligible TRL levels: TRL1-TRL5</p> <p>National contracting negotiations will commence after the projects are selected for funding on the level of the transnational call. National documentation with a statement regarding the agreed starting date of the transnational project signed by the transnational project coordinator will be a prerequisite for signing the contract on national level.</p>
Eligible costs	<p>MIZS will fund all eligible costs of Slovenian researchers participating in successful transnational projects, recommended for funding in accordance with the Decree on criteria and standards. Eligible costs are defined based on the FTE value according to the Slovenian Research Agency's research project categorization (A, B, C or D based on the research conducted). Eligible costs must be directly related to the research conducted and should include personnel (according to article 16,18, 22 and 23 of the Decree), material (including travel, consumables and services) and equipment (amortization) costs as elements of the FTE. Indirect costs are eligible. The value is calculated based on the FTE value of category A, B,C, or D research projects, under the condition that costs under each of the specific FTE elements are appropriately decreased (by a max. of 20% for indirect costs).</p>

b) National funding rates

Maximum funding amount:

100 % for research organization (such as universities, public and private research institutes) who's financed activity is non-economic in accordance with the provisions of Community Framework for State Aid for Research and Development and Innovation (OJ EU C 198, 27. 6. 2014).

National regulation for State Aid for Research and Development: [Program za spodbujanje raziskav in razvoja Ministrstva za izobraževanje, znanost in šport](#).

Wide dissemination of research results on a non-exclusive and non-discriminatory basis is required.

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	Up to 65%	Up to 75%	Up to 80%	(non-economic activity) Up to 100%
Industrial/Applied Research (pre-commercial research)	Up to 65%	Up to 75%	Up to 80%	(non-economic activity) Up to 100%





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Experimental development	Not eligible.	Not eligible.	Not eligible.	Not eligible.
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16. South Africa – DST

a) National eligibility criteria

Funding Organisation	Department of Science and Technology (DST)
Funding Programme (if applicable)	DST will enter into contracts with the applicant's institution to support South Africa's participation in the Co funded projects.
Initial funding pre-commitment	300,000 Euro (Total DST funding for all approved projects)
National Contact Point	Name: Mr Toto Matshediso Deputy Director: Strategic Partnerships Department of Science and Technology Private Bag X894 PRETORIA 0001 Phone: (+27)12843 6339 e-mail: toto.matshediso@dst.gov.za
Eligible entities	South African citizens and non-South African citizens but working in a South African institution such as the Science Councils, institutions of higher learning, universities, small, medium and large enterprises in the private sector and national system of innovation organisations involved in R&D.
Additional eligibility criteria	It is mandatory for applicants to submit applications firstly to DST in order to ascertain the strategic alignment with the country's National Development Plan and the objectives of the Department.
Eligible costs	<p>Direct costs: <u>Travel</u> and <u>Daily subsistence allowance including accommodation</u> The DST will cover travel costs in line with the guidelines of South African government regulations.</p> <p><u>Consumables and supplies</u> Any consumables necessary for the implementation of the project may be considered as direct eligible costs. Consumables are only eligible costs under the project if bought after the start date of the project.</p> <p><u>Costs of personnel</u> DST will cover personnel cost to be incurred during project implementation.</p> <p><u>Subcontracting</u> DST will not prevent SA applicants from subcontract activities within the project, but encourages SA researchers to commit to activities that they are mostly able to implement. And will not support subcontracting of parties outside South</p>



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	Africa. The co-investment contract will be between DST and the main SA applicant and not the subcontractor. DST will not be involved in any agreements/arrangements regarding activities to be implemented and how the reimbursed will be done between main SA applicant and the subcontracted party.
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b) National funding rates

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	Up to 80%	Up to 90%	Up to 90%	Up to 90%
Industrial/Applied Research	Up to 80%	Up to 90%	Up to 90%	Up to 90%
Experimental development	Up to 80%	Up to 90%	Up to 90%	Up to 90%



17. Spain – MINECO-AEI

a) National eligibility criteria

Funding Organisation	Ministry of Economy, Industry and Competitiveness – through the State Agency for Research (MINECO – AEI)
Funding Programme (if applicable)	<p>Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad, Plan Estatal de Investigación Científica y Técnica y de Innovación 2013-2016.</p> <p>The instrument for funding the Spanish groups will be the Spanish Call on International Joint Programming Actions (<i>Acciones de Programación Conjunta Internacional or equivalent</i>), which will be launched in 2018 (APCIN 2018) or the equivalent. Only as a reference, the beneficiaries are advised to read the call APCIN 2016.</p> <p>The Spanish legal entities granted are obliged by the regulations established in this APCIN call (or equivalent) and by the funding limits specified below. Call will be managed by the Subdivisión de Programas Científico-Técnicos Transversales, Fortalecimiento y Excelencia.</p> <p>The following funding limits are considered eligibility criteria. Proposals not respecting these limits could be declared non eligible.</p> <ul style="list-style-type: none"> • Maximum per legal entity and proposal eligible for MINECO-AEI should not exceed 35.000 € per year. If two or more legal entities participate in the same proposal the MINECO-AEI part should not exceed 46.000 € per year. • For experimental groups, the above limits are increased: Up to 47.000 € per year for one Spanish partner. Up to 62.000 € per year for the whole Spanish part in case more than one Spanish partner participates in the same proposal. • If the transnational proposal is led by a PI eligible for MINECO-AEI a maximum of 8.000 € per year in addition. <p>Research or Academic Centers formed by an agreement between different legal entities will be considered as a unique entity, and thus the maximum funding should not exceed the limits per proposal established above (for example mixed Centers).</p> <p>The final funding will take into account the transnational evaluation of the collaborative proposal, the scientific quality of the Spanish group, the added value of the international collaboration, the participation of the industrial sector,</p>



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	and the financial resources available.
Initial funding pre-commitment	333,500 Euro
National Contact Point	Leonor Gómez; Severino Falcón era-mat@mineco.es / severino.falcon@mineco.es
Eligible entities	Non-profit research organizations according to the APCIN call or equivalent. Spanish non-profit research organizations must participate in cooperation with at least one profit organization funded by the CDTI in this call. Final rules on eligibility will be described at the APCIN2018 call (or equivalent), to be published here
Additional eligibility criteria	<p><u>The project duration must be of minimum 2 years or cannot exceed 3 years.</u></p> <p><u>Mandatory:</u></p> <p>Spanish Principal investigators <u>must be</u> eligible according to the APCIN 2018 call (or equivalent) and must have experience as investigators in projects funded by the <i>Plan Nacional I+D+I 2008-2011</i>, the <i>Plan Estatal I+D+I 2013-2016</i>, ERC Grants, European Framework Programmes or other relevant international programmes.</p> <p><u>Not allowed:</u></p> <ul style="list-style-type: none">- <u>Principal Investigators</u> are not allowed to apply for funding in more than one proposal of this ERA-MIN 2 call.- <u>Principal Investigators</u> are not allowed to apply for funding in more than one proposal in the APCIN 2018 call or its equivalent. This must be taken into account when participating in different ERA-Nets or other international initiatives.- <u>Principal Investigators</u> have to remain unchanged between the pre-proposal stage, the full proposal stage, and the National APCIN 2018 call or its equivalent.- Important: <u>Principal Investigators</u> who obtain funding in the APCIN 2017 call (or equivalent) are not allowed to apply neither in APCIN 2018 or its equivalent nor in this transnational ERA-MIN 2 call. <p>The Ministry of Economy, Industry and Competitiveness will avoid double funding (overlapping with other EU or National funding), and will not grant projects or parts of projects already funded.</p>





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Eligible costs	<ul style="list-style-type: none">- Personnel costs for temporary employment contracts (scholarships are not eligible).- Current costs, small scientific equipment, disposable materials, travelling expenses and other costs that can be justified as necessary to carry out the proposed activities. <p><u>Indirect costs (overheads) or clinical trials (proofs of concept, proofs of principle) are not eligible for funding in the APCIN call.</u></p>
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b) National funding rates

The Spanish legal entities granted are obliged by the regulations established in this APCIN call and by the funding limits specified below.

The following funding limits are considered eligibility criteria. Proposals not respecting these limits could be declared non eligible.

- Maximum per legal entity and proposal eligible for MINECO-AEI should not exceed 35.000 € per year. If two or more legal entities participate in the same proposal the MINECO-AEI part should not exceed 46.000 € per year.
- For experimental groups, the above limits are increased: Up to 47.000 € per year for one Spanish partner. Up to 62.000 € per year for the whole Spanish part in case more than one Spanish partner participates in the same proposal.
- If the transnational proposal is led by a PI eligible for MINECO-AEI a maximum of 8.000 € per year in addition.

Research or Academic Centers formed by an agreement between different legal entities will be considered as a unique entity, and thus the maximum funding should not exceed the limits per proposal established above (for example mixed Centers).

The final funding will take into account the transnational evaluation of the collaborative proposal, the scientific quality of the Spanish group, the added value of the international collaboration, the participation of the industrial sector, and the financial resources available.

c) Mandatory acknowledgement

Any publication or dissemination activity resulting from the granted projects must acknowledge MINECO-AEI funding even after the end of the project: "Project (reference nº XX) funded by MINECO-AEI through APCIN 2018 (or equivalent)".





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18. Spain - CDTI

a) National eligibility criteria

Funding Organisation	CDTI
Funding Programme (if applicable)	R+D+i INTERNATIONALISATION PROGRAMME
Initial funding pre-commitment	530,000 Euro
National Contact Point	<i>Maria Jose TOMAS</i> E-mail: mariajose.tomas@cdti.es Tel.: +34 915815502
Eligible entities	Companies and enterprises
Additional eligibility criteria	Length of the project: The length of these projects may be from 12 to 36 months. Project budget: The minimum fundable budget is €175,000 In addition to completing the ERAMIN proposal form, Spanish applicants have to submit a separate formal application through the CDTI proposal submission system (http://www.cdti.es/) with the information related to their participation for the National Eligibility check.
Eligible costs	Personnel, Instrument and Materials, Contractual research, Technical knowledge and Patents consulting and equivalent services intended exclusively for the research activity. Other operating expenses derived from the research project.

b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	40 %	50 %	60 %	-Non Eligible
Industrial/Applied Research	40 %	50 %	60 %	-Non Eligible
Experimental development	40 %	50 %	60 %	-Non Eligible





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19. Spain / Castilla y León - ADE

a) Regional eligibility criteria

Funding Organisation	ADE
Funding Programme (if applicable)	ADE grants for international R&D projects in the framework of ERA -NETS
Initial funding pre-commitment	350,000 Euro
National Contact Point	Carmen Verdejo Rebollo verrebca@jcyl.es +34 983 324189 Isabel Gobernado Mitre gobmitma@jcyl.es +34 983 324242
Eligible entities	Large, medium and small companies
Additional eligibility criteria	Industrial research and experimental development projects involving effective international collaboration. Only R&D projects are eligible. Minimum budget: 150.000€ Maximum grant amount: 250.000€ Maximum two projects/company/call Taxes are not eligible An additional form is required to be filled in and sent it to ADE contact points.
Eligible costs	Staff costs needed for the project External collaborations for R&D activities related to the project Costs for materials, supplies, etc. needed for the project. Other costs such as travelling, management and audit costs

b) Funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	/	/	/	/
Industrial/Applied Research	65% maximum	75% maximum	80% maximum	/
Experimental development	40% maximum	50% maximum	60% maximum	/





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20. Sweden – Vinnova

a) National eligibility criteria

Funding Organisation	Verket för Innovationssystem (Vinnova), Sweden
Funding Programme	International collaboration programme at the unit of Industrial development
Initial funding pre-commitment	500,000 Euro
National Contact Point	Susanne Gylesjö, Vinnova SE-101 58 Stockholm E-mail: Susanne.Gylesjo@Vinnova.se Tel. +46 (0)8 473 3187
Eligible entities	Eligible entities for funding are normally universities, R&D institutes, SME's and Large companies, NGOs (associations, foundations, etc.). Organisations must be legal entities .
Additional eligibility criteria	If the application/proposal (2nd stage) is granted funding by ERA-MIN 2, the Swedish project partners will then be invited by Vinnova to submit national application forms within one month after notification
Eligible costs	Vinnova's grant is a contribution to the project's total eligible costs or parts thereof. The following costs are eligible (see link below for limitations): <ol style="list-style-type: none"> 1. personnel costs, 2. costs of equipment, land and buildings, 3. costs of consultants and licenses etc., 4. other direct costs including travel expenses, and 5. indirect costs. A detailed description of eligible costs and its limitations can be found at: eligible costs (http://vinnova.se/upload/dokument/ansok_rapportera/Guide_till_Vinnovas_villkor_om_stodberattigande_kostnader_2016-04-11.pdf) In order for a cost to be eligible, it shall also: <ul style="list-style-type: none"> • be actual and auditable, • be incurred by a Participant, • have been incurred during the Project, • be established in accordance with the Participant's usual and generally accepted accounting principles, • be recorded and • be used for the sole purpose of achieving the objectives of the project.





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b) National funding rates

Maximum funding amount:

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organisations
Fundamental/Basic Research	100	100	100	100
Industrial/Applied Research*	50	60	70	100
Experimental development*	25	35	45	100

* *Additional funding can be granted if special conditions are met, see [National funding rates](http://vinnova.se/upload/dokument/ansok_rapportera/Tabell_stodnivaer_statligt_stod.pdf) (http://vinnova.se/upload/dokument/ansok_rapportera/Tabell_stodnivaer_statligt_stod.pdf)*



21. Turkey – TUBITAK

a) National eligibility criteria

Funding Organisation	THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY- TUBITAK
Funding Programme	<p>The organisations which are eligible for funding as well as the eligibility criteria for cooperation are listed in the national guidelines available via</p> <p>English website: http://tubitak.gov.tr/en/funds/academy/national-support-programmes/content-1001-scientific-and-technological-research-projects-funding-program</p> <p>Turkish website: http://tubitak.gov.tr/tr/destekler/akademik/ulusal-destek-programlari/1001/icerik-onemli-hususlar</p>
Initial funding pre-commitment	600,000 Euro
National Contact Point	<p>Applicants are highly encouraged to contact the following persons before submitting their proposal:</p> <p>Dr. Mehmet Ufuk Atay E-mail: ufuk.atay@tubitak.gov.tr Tel.: +903124685300/1237</p> <p>Eray Korkmaz E-mail: eray.korkmaz@tubitak.gov.tr Tel.: +903124685300/1246</p>
Eligible entities	Small, medium and large enterprises, universities, institutions and research organisations are eligible.
Additional eligibility criteria	<p>For both first and second (full proposal) stages, proposals must be submitted via online into the national electronic submission system about one week after submission of the transnational proposals to ERA-MIN. The submission process should be done via http://ardeb-pbs.tubitak.gov.tr</p> <p>Maximum funding per awarded project is 360.000 TL (~95 000 euro)+ overhead cost+other costs (i.e: incentives)</p>
Eligible costs	<p>TUBITAK's eligible costs are detailed in the following website.</p> <p>It includes salaries, consumables, overheads, travel expenses, devices, equipment, purchases of services and operational costs.</p> <p>English website: http://tubitak.gov.tr/en/funds/academy/national-support-programmes/content-1001-scientific-and-technological-research-projects-funding-program</p>



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	<p>Turkish website: http://tubitak.gov.tr/tr/destekler/akademik/ulusal-destek-programlari/1001/icerik-onemli-hususlar</p> <p>Other Important Issues:</p> <ul style="list-style-type: none"> • TUBITAK will avoid double funding (overlapping with other international (EU) or national funding), and will not grant projects or parts of projects already funded. • Mandatory acknowledgement for publication or dissemination activity resulting from the granted projects must acknowledge TUBITAK funding even after the end of the project by stating the project no. The logo of the TUBITAK cannot be used in any outputs of the project. • It is highly recommended that it should be contacted with the NCP during the preparation of the project.
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b) National funding rates

Type of research	Large Enterprises	Medium Enterprises	Small Enterprises	Universities and research organizations
Fundamental/Basic Research	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%
Industrial/Applied Research	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%
Experimental development	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%	Not specifically determined, if possible 100%



Annex 4: Form A_ERA-MIN Joint Call 2017_Pre-proposal Technical description

Online proposal and partners data

To be filled online in the available fields in the [ERA-MIN Electronic Proposal Submission System \(http://www.submission-era-min.eu/\)](http://www.submission-era-min.eu/).

The coordinator registers at the ERA-MIN Electronic Proposal Submission System and receives a registration e-mail with login details.

The coordinator adds new partners (name/loginname/e-mail address) to the consortium. The partners will receive a notification e-mail to login and complete their profile.

- Proposal data/abstract/publishable abstract/keywords - to be completed via ESS

Proposal full title	
Proposal acronym/short name	
Start date ¹⁸ (month/ year)	
End date (month/ year)	
Project duration in months	
Topic and sub-topic ¹⁹	The drop-down menu will allow selection of one main topic of the proposal and one, or more sub-topics.
Supplementary key words	(max. 5)
Abstract (mandatory):	(Describe briefly the background, objectives, needs addressed, methodology, work planning, stakeholder involvement and expected impact of outcomes and potential benefits and suggested collaborative project; max. 4000 characters)
Publishable abstract (mandatory):	(Describe briefly the background, objectives, needs addressed, methodology, work planning, stakeholder involvement and expected impact of outcomes and potential benefits and suggested collaborative project; max. 2000 characters)

- Coordinator/partner profile- to be completed via ESS

Lead researcher name (Title/First name, Family)		E-mail:	
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¹⁸ Before completing, each partner should inquire the respective Funding Organisation.

¹⁹ Select the main topic addressed by the proposal and one, or more, sub-topics.





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name)			
Status of the organisation ²⁰		website	
Name of the organisation			
Department		Country/region (Funding organisation)	
Address		Phone number Mobile Phone number Fax number	
Tasks	Please describe your task(s) in this project. This field is required. The maximum length is 500 characters.		
Upload curriculum vitae	(max. 2 pages/person; max. 3 persons (in one pdf); max. 2 MB, PDF file format)		
Declaration 1 National/regional regulations	<input type="checkbox"/> I am aware of the national/regional funding regulations (see Guidelines for Applicants).		
Declaration 2	In case of recommendation for funding, I hereby authorize the ERA-MIN Joint Call Secretariat to publish the information provided in the publishable abstract as well as the consortium partner organisations. I agree that the coordinator contact person details (name and e-mail address) will be published. <input type="checkbox"/> yes		

²⁰ UNI-university; PRO-Private Research Organisation; PUB-Public Research Organisation; SME-Small medium enterprise; IND-large enterprises; CO-consultancy; OTH-Others.





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- **Financial plan** – to be completed via ESS

REQUESTED FUNDING (in EUR)

Organisation name	Personnel	Travel	Consumables /Equipment	Subcontracts	Other	Requested funding	Total own contribution
Partner 1							
Overhead (Partner 1)							
Partner 2							
Overhead (Partner 2)							
Partner N							
Overhead (Partner N)							
TOTAL							

OWN CONTRIBUTION (in EUR)

Organisation name	Personnel	Travel	Consumables /Equipment	Subcontracts	Other	Total own contribution
Partner 1						
Partner 2						
Partner N						
TOTAL						

- **Financial comments**

Please provide a brief description to justify the requested funding, considering the national/regional funding regulations²¹.

It is mandatory to indicate the number of person-months dedicated by each partner to the project in the category “personnel”.

Organisation name	Personnel (indicate person-months)	Travel	Consumables/ Equipment	Subcontracts	Other
Partner 1					
Partner 2					
Partner N					

²¹ Read the call document “National/regional funding regulations”.



Technical description of the pre-proposal (FORM A)

(to be completed on the ESS)

Provide a detailed technical description of the pre-proposal (sections 1-3), jointly filled in by all partners (**max. 6 pages A4**).

You have the opportunity to upload up to 5 images (Max file size: 600px x 600px, 2Mbyte; allowed formats are jpg, png or gif).

Section	Requested technical description of the pre-proposal	Maximum characters allowed
e) Scientific and/or technological excellence		
1.1.	Objectives with detailed account of their relationship to the call topic and expected impact	4000
1.2.	Research methodology and approach, highlighting the type of research and innovation activities proposed	4000
1.3	Current state of art and progress beyond the state-of-the-art; originality and/or innovation of the concept and approach (indicate start and target TRL²², if applicable)	4000
f) Impact		
2.1.	Expected outcomes and expected impacts (contribution to the expected impacts of the relevant topic and sub-topic at European and/or international level;	4000
2.2.	Contribution for the implementation of the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials.	4000
g) Quality and efficiency of the implementation		
3.1	Describe the expertise of partners and their complementarity for the expertise of the consortium as a whole (including distribution of tasks and efforts between partners)	4000
	Reference	4000

²² TRL – Technology Readiness Level. H2020 definition available in Appendix II.



Please upload one pdf (max. 10 MB) with the following attachments:

12. Annex 2 - statement of commitment from each partner requesting funding signed by the lead researcher and the legal representative of the organisation (**Form B**);
13. Annex 3 - statement of own funding signed by the lead researcher and the legal representative of the organisation (**Form C**) only in the case of partners not requesting funding.

The current state of the submitted data can be downloaded by click on “Factsheet”.

The missing data is indicated when you click on “Validation” in the left side navigation of the ESS.

Only when all mandatory fields are completed, you are able to click on “Submit”, which completes the submission of the application.



Annex 5: Form B_ERA-MIN Joint Call 2017_Statement of Commitment

Logo of the partner's organisation

Statement of commitment

As the legal representative of the Organization (*name/country*) I support the submission of the transnational proposal (*title/acronym*) to the **ERA-MIN Joint Call 2017 on Raw Materials for Sustainable Development and the Circular Economy**, providing the essential conditions for the implementation of the project, according to the work programme presented.

As Lead Researcher²³ (*name/position*), of the Department (*name*), I am aware of the ERA-MIN Call Text, the procedures and the national/regional rules and regulations, and confirm that the proposal fulfils our national/regional eligibility criteria in order to be eligible for the ERA-MIN Joint Call 2017.

In addition, the national/regional contact point (*name*) of the funding organisation (*name/acronym*)²⁴ have been contacted on the national/regional eligibility rules and funding regulations.

Place, Date

(Name of the legal representative of the Organisation)

(Name of the Lead Researcher)

²³ Lead researcher: the main responsible person of a legal entity who is the contact point with the corresponding national/regional Funding Organisation.

²⁴ The names of the contact persons of the funding organisation are indicated in Table 1 of the "Guidelines for Applicants".





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(Signature of the legal representative of the Organisation)

(Signature of the Lead Researcher)



Annex 6: Form C_ERA-MIN Joint Call 2017_Declaration of own funding

Logo of the partner's organisation

Declaration of own funding

As the legal representative of the Organisation (*name/country*), I state that the financial support is guaranteed to the Organisation (*name/country*) to participate as a partner in the transnational RTD proposal (*title/acronym*), coordinated by (*name/organisation/ country*) and submitted to the **ERA-MIN Joint Call 2017 on Raw Materials for Sustainable Development and the Circular Economy**.

The Lead researcher in charge is (*name/position*) and is part of the Department (*name*).

Place, Date

(Name of the legal representative of the Organisation)

(Name of the Lead researcher)

(Signature of the legal representative of the Organisation)

(Signature of the Lead researcher)

