



# 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

**Grant Agreement number:** 730238

**Funding scheme:** ERA-NET COFUND

**Start date:** 1<sup>st</sup> December 2016

**Duration:** 60 months

## DELIVERABLE D7.7

### *CALL 2019 PROMOTION MATERIAL*

**WP 7:** Joint Calls without EU co-funding

**Task 7.2:** Promotion of Joint Calls and funded projects

**Task Leader:** CONICYT

**Lead beneficiary:** CONICYT

**Type:** Report

**Dissemination level:** Public

**Author(s):** Andrea Cibotti (CONICYT)

**Due date:** M38

**Actual submission date:** M46



**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-Castilla y 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.

### **Publishable summary:**

The ERA-MIN Joint Call 2019 was first announced during the Raw Materials Week 2019, after being pre-announced in other events.

Online partner search tools were made available to help consortia building.

All the 19 participating funding organisations have promoted the Call at their own websites and at national/regional brokerage events/Info days that took place in their respective countries/regions, information that is available at the ERA-MIN 2 webpage. Moreover, a call dissemination kit composed of i) poster, ii) call pre- and announcement; iii) flyer and iv) e-mail template and v) slides presentation were assembled and made available to all funding organisations that could be customised to the different audiences in events, conferences or seminars and even translated to other languages.

The ERA-MIN Joint Call 2019 was also promoted by on-going projects and initiatives that support the raw materials sector, at the EU Raw Materials Week organised by the European Commission, in November 2019.



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## 1. INTRODUCTION

A dissemination toolkit was created containing different promotional materials with the goal of raising awareness about the project ERA-MIN 2 among other funding organisations, and to promote the ERA-MIN Joint Call 2019 amongst potential applicants.

The toolkit and other dissemination materials were revised and improved based on the lessons learnt from the EU Co-funded ERA-MIN Joint Call 2017 and the Joint Call 2018 promotional materials and its dissemination.

For the ERA-MIN Joint Call 2019, funding organisations from other countries or regions that have demonstrated interest in ERA-MIN 2 before, or were targeted by the ERA-NET, were invited to join the Call. As a result, six funding organisations non-partners of ERA-MIN 2 decided to join and allocate national/regional budgets for the Call, making in total 19 public research and innovation funding organisations of 11 EU MS/AC countries, 3 EU MS regions and 3 non-EU countries participating in the Call 2019, namely:

- **EU MS countries/regions:**

Belgium – Brussels, Belgium – Flanders, Belgium – Wallonia, Czech Republic, Finland, France, Greece, Poland, Portugal, Romania, Slovakia, Slovenia, Sweden.

- **EU Associated Country (AC):**

Turkey.

- **Non-EU countries/regions:**

Canada – Québec, Chile and South Africa.

The funding organisations participating in the Call 2019 (both ERA-MIN 2 partners as well as observers) committed themselves to the promotion of the joint call at national/regional level via the most appropriated channels of communications in close cooperation with related stakeholders. Therefore, the Call 2019 was widely publicised by the funding organisations to attract interest from all relevant groups, mainly the research community related to non-energy, non-agricultural raw materials (metallic, construction and industrial minerals sectors), the Industry, Horizon 2020 National Contact Points, technology platforms, international cooperation projects on R&I, programme owners, programme managers and the R&I funding organisations.

The funding organisations approached these target groups via multipliers, intermediaries, and facilitators, such as, the ERA-MIN 2 website, the funding organisation's websites, newsletters, publications, dedicated national/regional or international events related to raw materials and relevant social networks, such as, LinkedIn and Twitter.

## 2. CALL DISSEMINATION TOOLKIT

The funding organisations participating in the ERA-MIN Joint Call 2019 were provided with an ad-hoc toolkit aiming to support them in the dissemination of the call. This toolkit was uploaded to the “Partner Area” (private area) of ERA-MIN 2’s website and includes the following material:

- Poster;
- Call pre-announcement;
- Call announcement;
- Flyer

These materials could be customised by the funding organisations, taking into consideration the audience and the need to translate the materials to the national language.

### 2.1 POSTER

The Poster (Annex I) was first presented during the poster session of the EU Raw Material Week 2019, and it summarises the main goals of ERA-MIN 2, the results of the ERA-MIN Joint Calls 2017 and 2018, and the upcoming Joint Call 2019.

### 2.2 CALL PRE-ANNOUNCEMENT AND ANNOUNCEMENT

Before the official launch of the call, a Pre-Announcement (Annex II) was made in the ERA-MIN 2 main channels and distributed during some national events by some of the funding organisations. The Announcement (Annex III) released during the Raw Materials Week 2019, included the call calendar and the complete list of participating funding organisations. It was used by all funding organisations.

### 2.3 FLYER

The 2018 ERA-MIN 2 flyer was updated (Annex IV) to include the most important dates of the Call 2019 and the results from the previous calls. These were distributed during several events by the funding organisations, for example, the EU Raw Materials Week 2019, in November, to appeal to potential applicants.

### 2.4 PRESENTATION IN SLIDES

A template of a PowerPoint presentation (Annex V) was created to include the objectives of the ERA-MIN 2, the outcomes of the Joint Call 2019, the objectives and expected impacts of the 5 main call topics, the eligibility criteria, recommendations and online partner search tools. The slides were uploaded in the ERA-MIN 2 Partner Area and made available to all consortium partners, in order to be customised and used during presentations of the ERA-MIN 2 and the Call 2019 in any event by the funding organisations.

### 3. INTERNATIONAL AND NATIONAL/REGIONAL CALL PROMOTION

All the information relative to the ERA-MIN Call 2019 was made available at the ERA-MIN 2 website ([www.era-min.eu](http://www.era-min.eu)) and news were promoted through social media (Twitter and LinkedIn) as well as through the mailing list of ERA-MIN 2 Newsletter.

All funding organisations updated their national/regional websites with the most important information regarding the ERA-MIN Joint Call 2019. Some organisations have dedicated a page for ERA-MIN 2 and the Call inside their own institutional websites.

All the funding organisations participating in the call had access to the Call dissemination toolkit and took part in, at least, one international/national/regional event where the Call 2019 was disseminated.

Moreover, the ERA-MIN Joint Call 2019 was also promoted by on-going projects and initiatives that support the raw materials sector. Online partner search tools were made available to facilitate consortia building.

The second issue of the ERA-MIN2 Newsletter in July 2019 presented the pre-announcement of ERA-MIN Joint Call 2019.

#### 3.1 PROMOTION AT INTERNATIONAL LEVEL

The promotion of the ERA-MIN Joint Call 2019 took place in several international events not only by the ERA-MIN 2 coordinator but also by other partners representing ERA-MIN 2.

EU Raw Materials Week 2019, 18<sup>th</sup> - 22<sup>nd</sup> November 2019, the ERA-MIN 2 coordinator (FCT) presented the ERA-MIN Joint Call 2019 during the “Horizon 2020 Raw Materials Information and Brokerage event” on 19<sup>th</sup> November. The ERA-MIN 2 poster was presented from 18<sup>th</sup> to 21<sup>st</sup> and more than 300 flyers were distributed.

At the section “**News**” of the **ERA-MIN 2** website, additional information can be assessed:

- ERA-MIN Joint Call 2019 announced at EU Raw Materials Week 2019  
The third ERA-MIN Joint Call for proposals (2019) was presented at the “Innovation, new technology trends and skills for Raw Materials” event in the session “Horizon 2020 Raw Materials Information and Brokerage event”, under the framework of the Raw Materials Week, on November 19<sup>th</sup>. The details of the call, titled “*Raw materials for the sustainable development and the circular economy*”, were presented by the ERA-MIN 2 project coordinator Ms Dina Carrilho, from Fundação para a Ciência e a Tecnologia (FCT, Portugal). In addition, ERA-MIN Joint Call 2019 was published in the European Commission Raw Materials leaflet along with the Horizon 2020 WP2020 Calls.
- ERA-MIN call 2019 Calendar. The ERA-MIN call 2019 sub-topics and calendar was announced in the ERA-LEARN Call calendar.
- Infoday on Horizon 2020 Societal Challenge 5 “Climate Action, Environment, Resource Efficiency and Raw Materials”. In Brussels, on the 16-17<sup>th</sup> of September, 2019, Mrs. Dina Carrilho (FCT), as ERA-MIN2 project Coordinator, presented the ERA-MIN2 Joint Call 2019 at the Raw Materials session and also during the very interesting pitching session. The recordings of all the sessions are available at: <https://h2020-sc5-info-day.b2match.io/>.
  - ERA-MIN 2 at EuroNanoForum 2019

UEFISCDI (Romania) has presented the main results of ERA-MIN 2 projects and future calls as well as ERA-MIN 2 leaflets were available at the booth.

### 3.2 PROMOTIONAL AT NATIONAL/REGIONAL LEVEL

The funding organisations disseminated the Joint Call 2019 at national or regional level in their respective countries. The table below summarizes the main channels and events used to promote the Call per country.

<b>Brazil - Finep</b>
Mainly online promotion of the Call through several channels: News publication on the FINEP's <a href="#">website</a>
<b>Belgium</b>
05/11/2020 - SPW (Service public de Wallonie) has presented its research programmes and SMEs / research organisations / universities their new products in Salon Metamorphoses in which ERA MIN Joint Call 2019 was promoted through a dedicated poster.
<b>Chile– CONICYT</b>
The ERA-MIN Joint Call 2019 was promoted mainly by email to interested stakeholders, organisations and applicants. News publication on ANID's website and twitter
<b>Finland – Business Finland</b>
The ERA-MIN Joint Call was promoted mainly by email to interested stakeholders, organisations and applicants.
<b>Portugal - FCT</b>
Dissemination by email by the <a href="#">Portugal Minerals Resources Cluster</a> . News publication on FCT's <a href="#">website</a> . Call announced at FCT calls calendar ( <a href="https://www.fct.pt/concursos/index.phtml.en">https://www.fct.pt/concursos/index.phtml.en</a> ) Call-pre announcement and announcement published on FCT's dedicated page to ERA-MIN 2 ( <a href="https://www.fct.pt/apoios/cooptrans/eranets/eramin2/index.phtml.en">https://www.fct.pt/apoios/cooptrans/eranets/eramin2/index.phtml.en</a> )

### 3.3 ONLINE PARTNER SEARCH TOOLS

The ERA-MIN 2 website made available the access to three different online partner search tools in the section "[Partner search](#)" to help all researchers interested in the ERA-MIN2 Joint Transnational Calls to establish possible cooperation and to create competitive consortia. These online partner search tools were also promoted at the institutional partner's website:

- [NCPs CaRE](#) **Climate action, Environment, Resource Efficiency and Raw Materials**, as previously done for the ERA-MIN Joint Call 2017 and 2018, the ERA-MIN 2 coordinator contacted the person responsible for the platform who agreed to publish the Call 5 main topics and respective sub-topics on their Partner Search Tool along with the Horizon 2020 call topics; To help consortia building, the NCPs\_CARE online partner search is available until proposal deadline for a specific partner search and offers within ERA-MIN Joint call 2019 sub-topics. Follow the link <https://www.era-min.eu/partner-search>. As of February 18<sup>th</sup>, 2020, there were 40 entries specific for the ERA-MIN call topics, of which 21 aimed to search or reach new partners to build a proposal.

- European Commission's [partner search service](#);
- Enterprise Europe Network (ENN) offers a general [partner search tool](#).
- ERA-MIN Joint Call LinkedIn Group.

### 3.4 PROMOTION BY EUROPEAN PROJECTS AND INITIATIVES

The ERA-MIN Call 2019 was widely promoted and disseminated by other channels and websites of many European projects related to raw materials and the circular economy:

- ERA-LEARN 2020 [calendar](#);
- European Innovation Partnership on Raw Materials (DG GROW) Newsletter;
- [BIO-PEN](#) project;
- [GEOERA](#) project;
- [PROMETIA](#) project;
- [UP2Europe](#), the first ideas accelerator for European Projects;
- [Ecobuild.brussels](#), the network of Brussels' sustainable construction and renovation actors;
- [SYNHERA.BE](#);
- [CircularEconomy.Brussels](#).





# ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

## ANNEX I – POSTER



## RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

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



- Secure the sustainable and responsible industrial supply of raw materials
- World-wide coordinated funding of demand-driven research on ores, construction & industrial minerals
- Implement 3 Joint Calls for transnational projects (2017, 2018 and 2019) to support academia, SMEs & industry

#### ERA-MIN JOINT CALLS 2017 & 2018 RESULTS

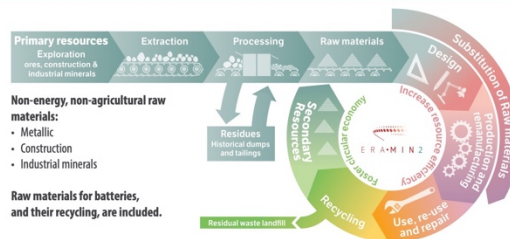
	CALL 2017	CALL 2018
SUBMITTED PROPOSALS	94	51
APPLICANTS	493	280
ENTERPRISES	27%	22.1%
FUNDED PROJECTS	16	12
CALL SUCCESS RATE	17%	23.5%
TOTAL COSTS	16 MILLION	12.7 MILLION
REQUESTED FUNDING	12.3 MILLION	8.8 MILLION

#### ERA-MIN JOINT CALL 2019

**CALL SCOPE** Needs-driven research and innovation addressing all aspects of the non-energy non-agricultural raw materials life cycle covering both primary and secondary resources, including substitution of Critical Raw Materials.

#### MAIN CALL TOPICS AND SUB-TOPICS

- TOPIC 1. Supply of raw materials from exploration and mining:** Exploration; Mining operations; Mine closure and reclamation.
- TOPIC 2. Design:** Product design for: increased raw material efficiency; for use or extended durability of product; to promote recycling; for critical materials substitution.
- TOPIC 3. Processing, Production and Remanufacturing:** Increase resource efficiency; in resource intensive production processes; through recycling of residues or remanufacturing of used products and components; using information and communication technologies (ICT).
- TOPIC 4. Recycling and Re-use of End-of-life products:** End-of-life products collection and (reverse) logistics; pre-processing; pre-treatment, dismantling, sorting, characterisation; Recovery of raw materials from End-of-life products; Increase recycling of End-of-Life products through information and communications technologies (ICT).
- TOPIC 5. Cross-cutting topics:** New business models; Improvement of methods or data for environmental impact assessment; Social acceptance and trust/public perception of raw materials.



#### 18 PARTICIPATING COUNTRIES/REGIONS

EU COUNTRIES/REGIONS	NON-EU COUNTRIES
Andaluzia region	Chile
Brussels region	Québec state
Flanders region	
Wallonia region	
Czech Republic	
Finland	
France	
Greece	
Poland	
Portugal	
Romania	
Slovakia	
Slovenia	
Sweden	
Turkey	
South Africa	

#### IMPORTANT DATES

- November 28, 2019** – Call for proposals opens
- March 12, 2020** – Call for proposals ends
- April 16, 2020** – Communication to non-eligible applicants
- June 30, 2020** – Communication of Call results
- December 1, 2020** – Latest date for project start

More information at ERA-MIN 2 website  
<https://www.era-min.eu/joint-call/era-min-joint-call-2019>

Joint Call Secretariat  
 eramin@fct.pt

#### FOLLOW US

- [www.era-min.eu](http://www.era-min.eu)
- @eranetmin2
- [www.linkedin.com/in/era-min-2-joint-calls-102ba271](https://www.linkedin.com/in/era-min-2-joint-calls-102ba271)

This project has received funding under Grant agreement n° 730238. Funding Scheme ERA-NET Cofund



Co-funded by the Horizon 2020 programme of the European Union



Co-funded by the Horizon 2020 programme of the European Union

## ANNEX II – CALL PRE-ANNOUCEMENT



### Second pre-announcement ERA-MIN Joint Call 2019

“Raw materials for the sustainable development and the circular economy”

#### Important dates

- November 15, 2019 – Publication of Call documents
- November 28, 2019 - Call for proposals opens
- March 12, 2020 - Call for proposals ends
- April 16, 2020 - Communication to non-eligible applicants
- June 30, 2020 - Communication of Call results
- December 1, 2020 - Latest date for project start

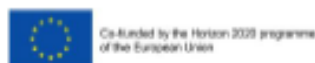
ERA-MIN 2 is a Pan-European, global, innovative and flexible network of 21 public research and innovation funding organisations of EU countries and regions and non-EU countries that aims to develop the non-energy and non-agricultural raw materials sector: metallic, construction and industrial minerals. ERA-MIN 2 has successfully implemented two joint calls (2017 and 2018) for collaborative R&I projects and as a result a total of 28 transnational projects were supported with €21.1 million of public funding and €28.7 million total costs. This joint call will be implemented without EU co-funding and with only national and regional funds of EU and non-EU funding organisations.

#### 2019 Call scope and topics

The scope of the 2019 Joint Call is needs-driven research addressing all aspects of the non-energy non-agricultural raw materials life cycle covering both primary and secondary resources. The thematic areas and sub-topics are:

1. Supply of raw materials from exploration and mining
  - i. Exploration
  - ii. Mining operations
  - iii. Mine closure and reclamation
2. Design
  - i. Product design for increased raw material efficiency
  - ii. Product design for reuse or extended durability of products
  - iii. Product design to promote recycling
  - iv. Product design for critical materials substitution
3. Processing, Production and Remanufacturing
  - i. Increase resource efficiency in resource intensive production processes
  - ii. Increase resource efficiency through recycling of residues or remanufacturing of used products and components
  - iii. Increase resource efficiency using information and communication technologies (ICT)
4. Recycling and Re-use of End-of-Life Products
  - i. End-of-life products collection and (reverse) logistics
  - ii. End-of-life products pre-processing: pre-treatment, dismantling, sorting, characterisation,
  - iii. Recovery of raw materials from End-of-life products
  - iv. Increase recycling of End-of-Life products through information and communication technologies (ICT)
5. Cross-cutting topics
  - i. New business models (implementing circular economy aspects)
  - ii. Improvement of methods or data for environmental impact
  - iii. Social acceptance and trust/public perception of raw materials

We encourage proposals that integrate cross-cutting topics if supported by their funding organisations.



## ANNEX III – CALL ANNOUNCEMENT



### Call announcement

#### ERA-MIN Joint Call 2019

*Raw materials for the sustainable development and the circular economy*

#### Important dates

<b>November 28, 2019</b>	Call for proposals opens
<b>March 12, 2020</b>	Call for proposals ends
<b>April 16, 2020</b>	Communication to non-eligible applicants
<b>June 30, 2020</b>	Communication of Call results
<b>December 1, 2020</b>	Latest date for project start

ERA-MIN 2 is a Pan-European, global, innovative and flexible network of 21 public research and innovation funding organisations of EU countries and regions and non-EU countries that aims to develop the **non-energy and non-agricultural raw materials** sector: **metallic, construction and industrial minerals**. ERA-MIN 2 has successfully implemented two joint calls (2017 and 2018) for collaborative R&I projects and as a result a total of 28 transnational projects were supported with €21.1 million of public funding and €28.7 million total costs.

The **total indicative call budget** is **€10.3 Million** and the ERA-MIN Joint Call 2019 will be implemented with only national and regional funds of EU and non-EU funding organisations.

#### 2019 Call scope and topics

The **scope** of the 2019 Joint Call is needs-driven research addressing all aspects of the non-energy non-agricultural raw materials life cycle covering both primary and secondary resources. The five main topics and sub-topics are:

❖ **Topic 1. Supply of raw materials from exploration and mining**

Sub-topics: Exploration; Mining operations; Mine closure and reclamation

❖ **Topic 2. Design**

Sub-topics: Product design for: increased raw material efficiency; for reuse or extended durability of product; to promote recycling; for critical materials substitution

❖ **Topic 3. Processing, Production and Remanufacturing**

Sub-topics: Increase resource efficiency: in resource intensive production processes; through recycling of residues or remanufacturing of used products and components; using information and communication technologies (ICT)

❖ **Topic 4. Recycling and Re-use of End-of-life products**

Sub-topics: End-of-life products: collection and (reverse) logistics; pre-processing: pre-treatment, dismantling, sorting, characterisation; Recovery of raw materials from End-of-life products; Increase recycling of End-of – Life products through information and communications technologies (ICT)

❖ **Topic 5. Cross-cutting topics**

Sub-topics: New business models; Improvement of methods or data for environmental impact assessment; Social acceptance and trust/public perception of raw materials

We encourage proposals that integrate cross-cutting topics if supported by their funding organisations.

## ANNEX IV – FLYER

### UPCOMING SCHEDULE



**15 NOVEMBER 2019**  
ERA-MIN Joint Call 2019 - Publication of Call documents



**12 MARCH 2020**  
Deadline for full-proposal submission



**30 JUNE 2020**  
Communication of 2019 Call results



**NOVEMBER 2020**  
Launch of the EU co-funded ERA-MIN Joint Call 2020

### HOW CAN YOU GET INVOLVED

**If you are university, research institute, SME, industry, NGO or public authority**

- Build a transnational consortium and submit your project idea to 2019 and 2020 Joint Calls
- Apply as reviewer for the international peer-review of transnational R&I projects

**If you are a national or regional Research Funding Organisation (Agency or Ministry) from Europe or beyond**

Join the 2019/2020 joint calls for transnational R&I projects to support the internationalization of your universities, research institutes, SME and/or industry

**If you are a raw materials initiative, Horizon 2020 funded project, industrial association or international body**

Liaison with ERA-MIN 2 activities to ensure complementarity and avoid duplication of efforts



**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

**FOLLOW US**

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**COORDINATION**  
PORTUGAL

PROJECT COORDINATOR Mrs. Dina Carrilho  
PROJECT MANAGER Ms. Ana Luisa Lavado  
E-MAIL [eramin@fct.pt](mailto:eramin@fct.pt)



Fundação para a Ciência e a Tecnologia

**PARTNERS**

SGCTeIP, Argentina	Business Finland, Finland	MIUR, Italy	CDTI, Spain
FWO, Belgium - Flanders	ADEME, France	NCBR, Poland	AEI, Spain
Hermesfonds, Belgium - Flanders	ANR, France	UEFISCDI, Romania	ICE, Spain - Castille y León
Finep, Brazil	JUELICH, Germany	MIZS, Slovenia	Vinnova, Sweden
CONICYT, Chile	GSI, Ireland	DST, South Africa	TUBITAK, Turkey



**ERA-MIN 2**  
RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS  
TO FOSTER CIRCULAR ECONOMY

**PAN-EUROPEAN NETWORK  
OF RESEARCH FUNDING ORGANISATIONS**



**This project has received funding under Grant agreement n° 730238.  
Funding Scheme ERA-NET Cofund**



Co-funded by the Horizon 2020 programme of the European Union





# ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS  
TO FOSTER CIRCULAR ECONOMY

## PROJECT ACTIVITIES and AMBITION

Coordination, collaboration and synergies between national and regional EU and non-EU public research and innovation (R&I) funding programmes.

Secure the sustainable and responsible industrial supply of raw materials to strengthen the industry competitiveness and the shift to a circular economy.

Support and promote R&I cooperation in the area of non-energy non-agricultural raw materials (construction, industrial and metallic minerals).

Call topics are based on the challenges and priorities identified in the ERA-MIN Research Agenda and in the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials.

Reduce the fragmentation of R&I funding across Europe and globally through the implementation of Joint Calls for transnational R&I proposals.

ERA-MIN Joint Calls scope is needs-driven R&I in exploration, extraction, processing, recycling and substitution of raw materials addressing the whole innovation chain from fundamental to applied R&I.

ERA-MIN Joint Calls support partnerships between academia, industry, SMEs, NGOs and public authorities, to provide them access to leading knowledge and new markets across Europe and worldwide.

EU and non-EU research funding organisations associate to the ERA-MIN Joint Calls for an overarching cooperation and coordination of raw materials R&I.

## CONSORTIUM

Pan-European network of 21 public research and innovation funding organisations from:

### PARTNERS

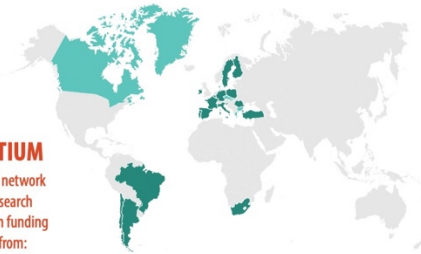
Argentina: SGCyTEP  
Finland: Business Finland  
Belgium - Flanders: FWO, ANR, Hennesfonds  
France: ADEME  
Germany: BMBWF, GSI  
Chile: CONICYT  
Italy: MIUR  
Spain: CDTI, AET  
Poland: NCBR  
Romania: UEFISCDI  
Slovenia: ARIS  
South Africa: DST  
Sweden: VINNOVA  
Turkey: TÜBİTAK

### OBSERVERS

Belgium - Brussels: Innoviris  
Belgium - Wallonia: SPW-Wallonia  
Brazil: Minas Gerais FAPEMIG  
Bulgaria: GI-BAS  
Canada: Quebec FRONT  
Czech Republic: TAČR  
Denmark and Greenland: GEES  
Greece: STEREA  
Italy - Calabria Region: SAS  
Slovakia: SAS

### COORDINATION

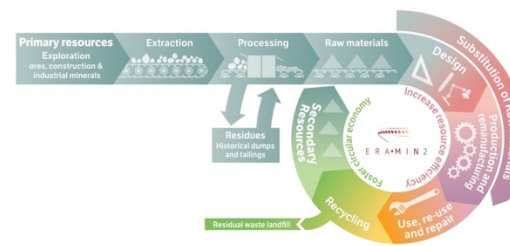
Portugal: FCT



16 million euros  
**TOTAL COST**

5 million euros  
**EU CONTRIBUTION**

72 months  
(2016 - 2022)  
**DURATION**



## ERA-MIN Joint Call 2017 & 2018 results

Raw materials for sustainable development and the circular economy

### SCOPE

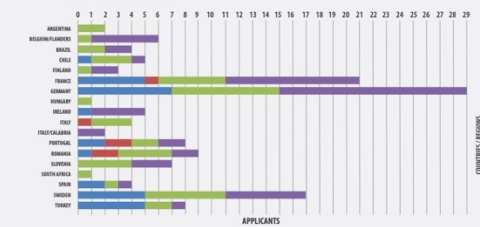
Demand-driven research and innovation on primary and secondary resources of construction, industrial and metallic minerals and substitution of Critical Raw Materials, addressing one or several areas of the circular economy

### 2017 & 2018 CALLS BUDGET

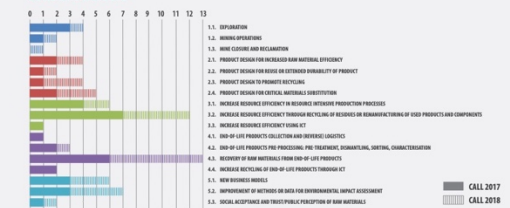
€ 29.5 million (sum of national/regional funds and EU contribution)

	EU CO-FUNDED CALL 2017	CALL 2018	CALL 2017 & 2018
SUBMITTED PROPOSALS	94	51	145
APPLICANTS FROM ENTERPRISES	27%	22%	25%
FUNDED PROJECTS	16	12	28
TOTAL PROJECT COSTS	16 MILLION	12.7 MILLION	28.7 MILLION
TOTAL REQUESTED FUNDING	12.3 MILLION	8.8 MILLION	21.1 MILLION

### CALL 2017 & 2018



### FUNDED PROJECTS



Co-funded by the Horizon 2020 programme of the European Union

## ANNEX V – POWER POINT PRESENTATION TEMPLATE



Raw materials for the sustainable development and the circular economy

Nature/Technology/Industry  
State of the Art  
22 October 2019 / Brussels, Belgium

1 00:10



CONSORTIUM

11 ERA-MIN2 Study coordinators

4 ERA-MIN2 Study coordinators

2 ERA-MIN2 Study coordinators

1 ERA-MIN2 Study coordinator

2 00:20



ERA-MIN2 Objectives

- Secure the sustainable and responsible industrial supply of essential raw materials and the shift to a circular economy
- Support and promote research and innovation (RI) cooperation through world-wide coordinated funding
- Reduce the fragmentation of RI funding across Europe and globally
- Implement 3 joint "transnational calls for RI collaborative projects" (2017, 2019 and 2021)

3 \* 00:30



ERA-MIN2 Research Agenda (2013)

150 experts

Background document of EP of ERAM

Thematic areas of 3 Joint Transnational calls

4



ERA-MIN2	FP7 ERA-MIN (2011-2015)	Horizon ERA-MIN 2 (2016-2021)
ERA-MIN Joint Call	2013 2014 2015	2017 2018 (EU co-funded)
Submitted proposals (applicants)	21 submitted proposals per call (average)	94 pre-proposals 493 applicants 27% enterprises
Handled projects	17 funded projects (total)	10 13
Enterprises	20% enterprises (average)	39% (34)
Public funding	13 ME (total)	12.3 ME 8.8 ME
Total project costs	19 ME (total)	16 ME 12.7 ME

5 00:30



ERA-MIN2 Joint Call 2019 - main topics and sub-topics

Topic 1: Supply of raw materials from exploration and mining

Topic 2: Design

Topic 3: Processing, Production and Remanufacturing

6 00:20



ERA-MIN2 Joint Call 2019 - main topics and sub-topics

Topic 1: Supply of raw materials from exploration and mining

Topic 2: Design

Topic 3: Processing, Production and Remanufacturing

7 00:20



ERA-MIN2 Joint Call 2019 - main topics and sub-topics

Topic 4: Recycling and Re-use of End-of-life products

Topic 5: Cross-cutting topics

8 00:20



ERA-MIN2 Joint Call 2017 & 2018 Sub-topics addressed by funded projects

1. Exploration/Mining

2. Design

3. Processing/Production/Remanufacturing

4. Recycling of End-of-Life products

5. Cross-cutting topics

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ERA-MIN2 Joint Call 2019 - main topics and sub-topics

Topic 1: Supply of raw materials from exploration and mining

Topic 2: Design

Topic 3: Processing, Production and Remanufacturing

10 00:20



ERA-MIN2 Joint Calls: 2015, 2017 and 2018 6 funded projects address battery related topics

Sub-topics	Project acronym	Consortium	Total costs (M€)	Public Funding (M€)	Duration (months)
Supply for batteries	BAT4E	1. IFM (France)	408,000	135,000	36 months (2018-19)
Recycling of batteries	BAT4E	2. University of Duisburg-Essen (Germany)			
Recycling of batteries	BAT4E	3. DLR (Germany)			
Recycling of batteries	BAT4E	4. Fraunhofer IZM (Germany)			
Recycling of batteries	BAT4E	5. Fraunhofer IZM (Germany)			
Recycling of batteries	BAT4E	6. Fraunhofer IZM (Germany)			

11 00:20



ERA-MIN2 Joint Calls: 2015, 2017 and 2018 6 funded projects address battery related topics

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Recycling of batteries	BAT4E	4. Fraunhofer IZM (Germany)			
Recycling of batteries	BAT4E	5. Fraunhofer IZM (Germany)			
Recycling of batteries	BAT4E	6. Fraunhofer IZM (Germany)			

12 00:20





# ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS  
TO FOSTER CIRCULAR ECONOMY

Sub-type	Project acronym	Consortium	Total costs (€)	Public funding (€)	Duration
1.1 Feed of the machine processing of raw materials	MMT LAB	1. Spanish IAB (Basque) 2. IIAI (University of Technology (Basque) 3. EIT RawTech (Basque)	1,074,000	1,074,000	36 months (2019-21)
2. Recovery of raw materials from end of life products	RECOVER	1. Spanish IAB (Basque) 2. IIAI (University of Technology (Basque) 3. EIT RawTech (Basque)	1,378,817	1,378,817	36 months (2019-21)

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Sub-type	Project acronym	Consortium	Total costs (€)	Public funding (€)	Duration
1.1 Recovery of raw materials from end of life products	AMRE	1. CNRS 2. INRAE 3. Chalmers University of Technology 4. UCLouvain 5. University of Twente 6. Fraunhofer IPT	793,794	676,200	36 months (2019-21)
2.1 Recovery of raw materials from end of life products	IC2M2	1. Centro de Tecnología de Materiales, Tecnológico de Monterrey 2. ICIQ 3. ICIQ 4. ICIQ 5. ICIQ 6. ICIQ	288,310	144,155	36 months (2019-21)

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**ERA-MIN Joint Call 2019**

**Countries/Regions that have expressed interest:**  
 All associated countries, Italy, Belgium (Wallonia), Belgium (Flanders), Belgium (Walloon), Czech Republic, Finland, France, Portugal, Slovakia, Slovakia, Slovakia, Spain - Andalusia, Sweden.

**All associated countries, Italy**

**\*Countries/regions not-ERA-MIN 2 partners**

**More than €1 billion**  
 Total call budget (sum of national/regional budgets)

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**ERA-MIN Joint Call 2019 – submission, evaluation and selection procedures**

- Joint application & evaluation but **national/regional funding**
- International evaluation of proposals** based on the **H2020 evaluation criteria**: 1) Excellence, 2) Impact and 3) Implementation.
- Selection of projects following a **ranking list** recommended by a Scientific Evaluation Board.
- National/regional funding rules and regulations apply** CALL TEXT:
  - Topics and sub-topics supported by the participating funding organisations
  - Legal entities (academia, industry, SMEs, NGOs, public authorities)
  - Types of research (fundamental, applied research or innovation - Technology Readiness Level (TRL) from 1 to 9)
  - Project costs (personnel, travel, consumables, equipment, sub-contracting, overheads)

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**Who can apply - ERA-MIN Joint Call 2019**

- All stakeholders in the raw materials value chain:
  - Universities and Research Institutes
  - SMEs and large enterprises
  - NGOs
  - Public authorities
- 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 and covering different parts of the raw materials cycle.
- Applicants not requesting funding** may be partners of the consortium on the condition that they provide evidence of the availability of their own funds to cover their project costs.

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**Some eligibility criteria (see CALL TEXT)**

- Minimum Consortium composition:** **three independent legal entities** requesting funding of **two different countries (regions)** whereof one is an EU Member State or an Associated Country (Turkey)
- Applicants requesting funding** must comply with the national/regional funding criteria and regulations of their respective Funding Organisation
- Project duration:** 12 - 36 months (depending on funding organisation)
- The language of the proposal is **English**

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**Online partner search tools**

- The platform set up by the **NCN-CARE website**: <http://partnersearch.ncn-care.eu/>
- The European Commission Partner search service:
  - <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/partner-search>
- The Enterprise Europe Network is active in more than 60 countries worldwide: <https://een.ec.europa.eu/>

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**ERA-MIN Joint Call 2019 – Important dates**

- September 30, 2019** – Second Call pre-announcement
- November 15, 2019** – Publication of Call documents
- November 26, 2019** – Call for proposals opens
- March 12, 2020** at 17:00 CET – Call for proposals closes
- June 30, 2020** – Communication of Call results
- December 1, 2020** – Recommended latest date for project start

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**COORDINATION PARTNER:**  
 PROJECT COORDINATOR: Ms. Susi Carbone  
 PROJECT MANAGER: Ms. Ana Carolina  
 E-MAIL: [era\\_min@fct.eu](mailto:era_min@fct.eu)

**ERA-MIN 2**  
 Improving a Europe-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy

21

00:20

**ERA-MIN 2**  
 Improving a Europe-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy

**Finpro**  
 Our growth ERA-MIN 2 will be possible thanks to H2020 funding

**4 to 6 billion**  
 01022711102ba271

**EUROPEAN COMMISSION**  
 RESEARCH AND INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

22

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**ERA-MIN 2**  
 Improving a Europe-wide coordination of research and innovation programs on raw materials to strengthen the industry competitiveness and the shift to a circular economy

**Finpro**  
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**4 to 6 billion**  
 01022711102ba271

**EUROPEAN COMMISSION**  
 RESEARCH AND INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

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00:20



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