



RESEARCH & INNOVATION PROGRAMME  
ON RAW MATERIALS  
TO FOSTER CIRCULAR ECONOMY



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

## Communication, dissemination and exploitation of the results

Mr. Jorge Sotelo & Julio Marchamalo  
ERA-MIN 2 & 3 Dissemination & Communication Office



*ERA-Min 2 Final Conference and Final review of Call 2017 projects, 18-19 November 2021, ONLINE*

# Communication & Dissemination related to ERA-MIN 2



## Main channels



<https://www.era-min.eu/>



[@eranetmin3](https://twitter.com/eranetmin3)



<https://www.linkedin.com/in/era-min/>



<https://www.youtube.com/channel/UCe8yYzZnRF8KIUquo6FxSg/featured>

# Documents (I)

## Posters

### ERA-MIN: A DECADE SINCE THE INCEPTION OF THE EU LED EFFORT TO SUPPORT THE INTERNATIONAL RAW MATERIALS RESEARCH COMMUNITY

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(2) THE FOUNDATION FOR SCIENCE AND TECHNOLOGY (FCT) FROM THE PORTUGUESE MINISTRY OF SCIENCE AND TECHNOLOGY

#### INTRODUCTION

ERA-MIN is one of the many **Public-Private Partnerships (PPPs)** in research and innovation that aims to establish **networks of public research funding organisations** (ministries, funding agencies, programme managers) from industrial EU countries (Spain and Belgium), that join forces to **support research activities** under an agreed vision or a common research and innovation agenda. PPPs include partnerships supported by the European Commission such as ERA-NETs and Art 185 as well as Member State-led initiatives, the Joint Programming Initiatives. **The ERA-NET Confund** instrument under Horizon 2020 aims at implementing one substantial call with top-up funding from the Commission. Both **ERA-MIN 2** and **ERA-MIN3** correspond to the ERA-NET Confund scheme type aiming to continue strengthening the **international raw materials community** through the coordination of research and innovation programmes on **non-fuel and non-fossil raw materials** (metals, construction and industrial minerals).

#### ERA-MIN3 (2020-2025)

ERA-MIN3 (2020-2025) started officially on 1 December 2020. It is a global, innovative and flexible pan-European network of 24 research funding organisations from **18 EU MS countries, 3 EU MS regions, 3 Associated countries and 2 non-EU countries**, supported by EU Horizon 2020 under the ERA-NET Confund scheme. At least two Joint Transnational Calls (JTCs) for transnational R&I proposals to support peer-reviewed excellent transnational R&I projects on non-fuel and non-fossil raw materials will be launched.



The **EU Co-funded ERA-MIN Joint Call 2021** is the first joint call of the ERA-NET Confund (ERA-MIN) officially launched on the 16th of January 2021, which counts with an indicative budget of **€70.8 million**. In terms of pre-proposal submission, it has been the most successful call of ERA-MIN, with 146 pre-proposals submitted by deadline and 802 applicants participating. A second JTC for transnational R&I proposals is **planned in 2022** supported with national and regional funds.

#### ERA-MIN 2 (2019-2025)

ERA-MIN 2 (2019-2025) was an ERA-NET supported JTC for the "Industrial Revolution of Raw Materials for European Industries" that was launched in November 2018. ERA-MIN2 consortium consisted in **15 EU countries and 2 non-EU countries** (Argentina and South Africa).

Three JTCs were launched under ERA-MIN2: from 2019 to 2020, one per year. A total of **17 multidisciplinary projects** were funded under these JTCs with a **public funding of €13 million** (€7 million of total projects costs).

#### ERA-MIN 2 (2019-2025)

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Three JTCs have been launched under ERA-MIN2: from 2019 to 2020, one per year. A total of **17 multidisciplinary projects** were funded under these JTCs with a **public funding of €13 million** (€7 million of total projects costs).

#### THE EU RAW MATERIALS POLICY CONTEXT

The importance of raw materials (RM) and its related key-enabling technologies are essential for Europe's and the World's industrial future. ERA-MIN addresses all parts of the raw materials value chain defined in the EU Communication Circular Economy, and the Circular Economy. Creating the first "An ambitious EU Circular Economy Package". ERA-MIN is a member of the **High-Level Steering Group of the EIP RM** and takes very useful consideration of the **EIP RM recommendations** for the establishment of the priorities of its calls for proposals.



#### THE CONTINUATION TOWARDS A EUROPEAN PARTNERSHIP

As a continuation of the ERA-NETs, the new strategy approach on European Partnerships and the reorganisation and reform of the partnership structure that started in 2019 marks the change from Horizon 2020 to Horizon Europe. Having started in 2020, the transition to the European Partnerships scheme in the raw materials sector will take place from 2020 onwards. ERA-MIN2 funded 146 projects for the first co-funded call was planned to start in May 2022 and will run until mid-2023. The second call is planned for 2023. This will bridge the end of the ERA-MIN2 network and its close link with its new ambition to join the European Partnerships with its continued goals to support the industry, sustainability, and leadership of the European and worldwide non-fuel, non-fossil raw materials sector.



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

#### THE SUSTAINABLE DEVELOPMENT FOR 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	400	280
ENTERPRISES	27%	22.3%
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

#### JOINT CALL 2019



#### 18 PARTICIPATING COUNTRIES/REGIONS

EU COUNTRIES/REGIONS	Andalusia region	Czech Republic	Poland	Slovenia
	Basque region	Denmark	Portugal	Sweden
	Brandenburg	France	Romania	Turkey
	Wallonia region	Germany	Slovakia	
NON-EU COUNTRIES	Chile	Quebec state	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

Joint Call Secretariat  
era-min@fct.pt

This project has received funding under Grant agreement n° 7340218.  
Funding Scheme ERA-NET Confund

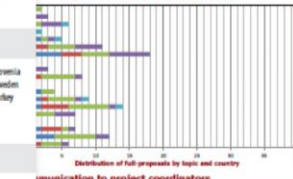
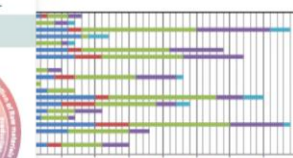
Co-funded by the Horizon 2020 programme  
of the European Union

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

"Reduce the fragmentation of R&I funding across Europe and possibly through the implementation of 3 Joint Calls for transnational R&I proposals in 2017, 2018 and 2019, open to participation of funding organisations from countries and regions across the world."

"The ERA-MIN joint calls support need-driven research and partnerships between academia, industry, SMEs, NGOs and public authorities to provide access to leading knowledge and new markets across Europe and world-wide."

Call budget: 15 million Euros  
(sum of national/regional funds and EU contribution)



Communication to project coordinators



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

## Flyers

#### UPCOMING SCHEDULE

- 31 OCTOBER 2018  
2018 Joint Call for international R&I collaborative projects
- 31 JANUARY 2019  
Deadline for full-proposal submission to 2018 Joint Call
- 14 MAY 2019  
Communication of results from 2018 Joint Call
- DECEMBER 2019  
Launch of the third ERA-MIN Joint Call for international R&I projects

#### HOW CAN YOU GET INVOLVED

- If you are university, industry, NGO or public authority:
  - Build a transnational consortium and submit your project idea to 2019 and 2020 Joint Calls
- If you are an Organisation or beyond:
  - Join the 2018 projects to support academia, SMEs and industry
- If you are a funded project:
  - Submit your project to the 2019 and 2020 Joint Calls

#### HOW CAN YOU GET INVOLVED

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

#### 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:
  - Launch with ERA-MIN 2 activities to ensure complementarity and avoid duplication of efforts

<https://www.era-min.eu/publications>



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



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# Documents (II): Newsletters

## Biannual Newsletters

<https://www.era-min.eu/publications>

### ERA-MIN NEWSLETTER April 2021

#### INTERVIEW TO PROJECT COORDINATORS

##### 1 WHAT ARE THE ADVANTAGES AND DISADVANTAGES OF WORKING IN A TRANSNATIONAL PROJECT UNDER THE ERA-NET FUNDING SCHEME? AND COMPARED TO NATIONAL/REGIONAL PROJECTS AND TO HORIZON 2020?

When it comes to the point of raw materials, the right scale is the continental one, which is what ERANET renders possible. That is certainly the most important point compared to national or regional funding schemes. Compared to H2020, the expected consortium size and targeted budget volume make project smaller, easier to manage and more agile for adaptations in the research strategy.

Jean Calet (Université de Lorraine, France)  
Coordinator of LIGHTS, funded project of ERA-MIN JTC 2017

##### 2 WHAT WERE THE CRITERIA USED TO CHOOSE THE TRANSNATIONAL CONSORTIUM?

For our consortium there were two main criteria:  
i) consortium members competencies  
ii) previous personal experience and cooperation  
We formed a clear idea of the project tasks and activities and consortium members had to cover all the necessary competencies. Of course, it is beneficial to know partners before and have previous experience with them and to know what you can expect...

Michal Štěr (Czech Academy of Sciences, Czech Republic)  
Coordinator of Refina, funded project of ERA-MIN JTC 2019

##### 3 WHAT ARE THE PROJECT COMMON GOALS AND IMPACT, OTHER THAN SCIENTIFIC, TAKING INTO CONSIDERATION THAT THE CONSORTIUM IS TRANSNATIONAL AND TRANSDISCIPLINARY, AND INVOLVES DIFFERENT COUNTRIES OR REGIONS WITH COMPLEMENTARY EXPERTISES?

The common goals of the ERA-MIN 2 Gold Insight project involve the promotion of exploration across northern Europe through better geological modelling, on accurate micro-analytical data collected from state-of-the-art instruments within the EU. This has impacted exploration for Au and associated raw materials in partner countries affecting decisions on drilling and reconnaissance activities around the Barren deposit in Sweden (Anger-Arentsen) and the Asara-Kilavara deposits (MCM Mining). The execution of this work has raised awareness of the available analytical facilities and expertise with project partner institutions and how these tools can aid exploration for Raw Materials in the EU.

Dr. Sean H. McCleagh (Trinity College Dublin, Ireland)  
Coordinator of Gold Insight, funded project of ERA-MIN JTC 2017

##### 4 WHAT HAVE BEEN THE MAIN OBSTACLES FACED WHEN IMPLEMENTING THE TRANSNATIONAL AND TRANSDISCIPLINARY PROJECT?

The synchronization of the teams was difficult, initially due to the Consortium agreement, the contracts timing, and other bureaucratic issues that caused delays.

Bruno Valentin (University of Porto, Portugal)  
Coordinator of CHARPITE, funded project of ERA-MIN JTC 2017

### ERA-MIN Joint Call 2017 OF FUNDED PROJECTS

Based on the 2nd year progress reports of 13 (out of 16) projects submitted in 2017. They are all ongoing projects.

The 1st and 2nd year reports are available at: <https://www.era-min.eu>

Participants involved

114 PhD degree  
50%

42%

#### Dissemination Activities

47 presentations in scientific meetings and conferences

65% in Open Access

20 publications resulted from the funded projects

80% Of the projects have a Project website

53% Of the projects use social networks as a dissemination tool

Participation

Part of them have applied to national and regional calls

Partners to events/networking

Partners approached by companies or



ERA-MIN 2 Newsletter – May 2020

### A•M•I•N•2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS  
TO FOSTER CIRCULAR ECONOMY

Implement a European-wide coordination of research & innovation in energy, non-agricultural raw materials (construction, industrial and metallurgical), non-agricultural raw materials (construction, industrial and metallurgical) and shift to a circular economy. With this aim, ERA-MIN will coordinate transnational R&I projects between 2017 & 2019 in line with the Strategic Implementation Plan of the European Innovation Economy Package as well as the ERA-MIN Research Agenda. Based on the EC Horizon 2020 since 2016 for 5 years.

Materials for sustainable development and the

2<sup>nd</sup> March 2020 and the evaluation results are expected by June 2020. Addressing all aspects of the non-energy non-agricultural raw materials resources under a circular economy approach.

Call, from the following Countries:

Belgium-Flanders; Belgium-Wallonia; Czech Republic; Finland; France; Germany; Italy; Ireland; Israel; Japan; Korea; Lithuania; Luxembourg; Netherlands; Norway; Poland; Portugal; Romania; Slovakia; Slovenia; Spain; Sweden; Switzerland; Taiwan; Thailand; Turkey; United Kingdom; United States; Vietnam; and others.

South Africa.

of which 30%

the calls section of [ERA-MIN2 website](https://www.era-min.eu).

Organisations allocated national/regional budgets for this Joint call with a total public funding of € 8.8 million and total costs of € 12.7 million. In these projects was of 28%. The R&I projects have started in late

and their publishable abstracts are available on the results section of ERA

ERA-MIN 2 Newsletter – July 2019

### A•M•I•N•2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS  
TO FOSTER CIRCULAR ECONOMY

Based on the ERA-NET Cofund scheme supported by European Commission's to implement a European-wide coordination of research and innovation in industry competitiveness and the shift to a circular economy.

and strengthen the coordination of research and innovation programmes, in energy, non-agricultural raw materials (construction, industrial and metallurgical), non-agricultural raw materials (construction, industrial and metallurgical) EU Raw Materials Initiative and the Strategic Implementation Plan of the Horizon 2020. With this aim, ERA-MIN 2 will implement 3 joint calls for collaborative projects.

Projects are funded under ERA-MIN Joint Call  
with a total public funding of € 8.8 million

Recommended for funding by the Call Steering Committee, involving 61 million of public funds and with total costs of €12.7 million.

In-EU countries/regions have committed €14.5 million for the joint call in all aspects of the non-energy non-agricultural raw materials (ores, metals, minerals) and substitution of critical raw materials in a circular economy approach.

Energy and mining

Manufacturing products

In this topic were expected to propose non-technological innovations

Data for environmental impact assessment, public perception of raw materials.

From 1 October 2018 until 31<sup>st</sup> January 2019, 51 proposals were submitted and national eligibility check before the independent assessment by the Call Steering Committee composed of international experts in the field. The results were

available at [www.era-min.eu/joint-call/era-min-joint-call-2018](https://www.era-min.eu/joint-call/era-min-joint-call-2018)

ERA-MIN 2 Newsletter – April 2019

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and strengthen the coordination of research and innovation programmes, in energy, non-agricultural raw materials (construction, industrial and metallurgical), non-agricultural raw materials (construction, industrial and metallurgical) EU Raw Materials Initiative and the Strategic Implementation Plan of the Horizon 2020. With this aim, ERA-MIN 2 has the goal to implement 3 joint calls for collaborative projects in 2017 and 2019.

Invited to the ERA-MIN Joint Call 2018

Invited by the deadline, involving 280 applicants of which 62 enterprises and 120 research organisations with a total cost of €49 million.

Invited organisations from EU and non-EU countries/regions, the one-step selection process until 31<sup>st</sup> January 2019 and was focused on needs-driven R&I in the raw materials (ores, construction, industrial minerals) life cycle, resources and substitution of critical raw materials in a circular economy approach.

Energy and mining

Manufacturing products

In this topic were expected to propose non-technological innovations

Data for environmental impact assessment, public perception of raw materials.

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# Events (I)

<https://www.era-min.eu/all-events>



Logo ERA-MIN 2

## ERA-MIN 2 KICK-OFF

16/01/2017



The **ERA-MIN 2** launch event was held in Brussels on the 1<sup>st</sup> December 2016 to kick-off the **ERA-MIN 2** activities, with particular emphasis on the upcoming Joint Call for transnational R&I projects on the 1<sup>st</sup> February 2017 with a total budget of 15 million Euro. More than 50 representatives of ministries, funding organisations, research and industry from EU and non-EU countries and the European Commission, have participated in a networking cocktail to welcome the official start of **ERA-MIN 2**.

## Chamada Pública conjunta ERA-MIN 2017

Materiais primas para o Desenvolvimento Sustentável e Economia Circular

O presidente da Finep, Marcos Ciríaco, convoca para a autoridade de apresentação da Chamada Pública conjunta ERA-MIN 2017 – Materiais primas para o Desenvolvimento Sustentável e Economia Circular. Na oportunidade, serão realizadas breves palestras sobre a temática Economia Circular.



**14 de março**  
Tema: Finep  
**Auditorio da Finep**  
Av. das Américas, 1000 - 10º andar - Rio de Janeiro (RJ)

**9h30 – Welcome Coffee**

**9h30 – Abertura**  
Marcos Ciríaco – Diretor de Inovação da Finep

**9h45 – Chamada Pública Era-Min 2**  
Dina Carrilho, Coordenadora de Inovação e Competitividade  
Resumo da chamada pública ERA-MIN 2 e apresentação da chamada pública

**9h50 – Painel de Discussão**  
A perspectiva colaborativa da economia circular: desafios e propostas para o Brasil  
Luiz Santiago, Min. de Minas (MG) e Brasil – Min. da Indústria e Comércio  
Roberto de Melo, Presidente da Universidade de São Paulo e presidente do Conselho de Economia Circular  
Luiz Ricardo de Almeida, Presidente da Finep, Conselho de Inovação da Economia Circular do Brasil

**Solicitação de inscrição**  
Até: 05/04/2017  
Até: 05/04/2017 e Henrique Vinagre

## ERA-MIN 2 SEMINAR AT FINEP (BRAZIL) ON 14TH MARCH 2017

14/03/2017



On 14th March 2017, the ERA-MIN 2 seminar was held by Finep (Brazil). The Workshop was opened at 9.30 a.m. by the Director of Innovation of Finep, Márcio Ciríaco. The ERA-MIN 2 project was presented during this seminar by Ms. Dina Carrilho, ERA-MIN 2 Coordinator. The presentation of ERA-MIN 2 can be found in section Publications on ERA-MIN 2 webpage. The Workshop was broadcasted only in Portuguese and the video is available on [YouTube](#).

## ERA-MIN 2 Joint Call 2017 - Webinar on 30th March 2017

24/03/2017



The Webinar on ERA-MIN Joint Call 2017 will take place on 30th March at 12:00 (Lisbon time) for one hour, to provide information of the topics and detailed explanations on the submission, evaluation, selection and funding procedures.

[Read more](#)



## ERA-MIN 2 Calls presented at the Horizon 2020 Societal Challenge 5 Infoday on 9th November

20/12/2017



The coordinator of ERA-MIN 2, Ms Dina Carrilho, made a presentation of the ERA-MIN 2 project in the 2017 InfoDay and brokerage event held in Brussels on 9th November 2017. The presentation was focused on three parts: the ERA-MIN 2 network, the first results of the cofunded call and the future calls of the project.

[Read more](#)



## Presentation of ERA-MIN 2 in the METS 2018

12/04/2018



On 11th April 2018, the ERA-MIN 2 project was presented by the Ministry of Economy, Industry and Competitiveness of Spain during the Workshop 6: RTD and Innovation.

[Read more](#)



## ERA-MIN 2 at the EIP Raw Materials Annual Conference during the Raw Materials Week 2017

20/12/2017



[Read more](#)



## ERA-MIN 2 was presented at the REMIX "Smart and Green Mining Regions of EU" Conference

22/06/2018



[Read more](#)



## Events (II)

<https://www.era-min.eu/all-events>



### ERA-MIN 2 presented at the 2018 PDAC Convention

22/06/2018



The ERA-MIN 2 project was disseminated at PDAC 2018 Convention.

[Read more](#)



### ERA-MIN 2 presented at the Raw Materials Week 2018

14/11/2018



The ERA-MIN 2 coordinator, Ms Dina Carrilho, presented the ERA-MIN Joint Call 2018 during the Horizon 2020 Raw Materials Information and Brokerage Event session on 13 November afternoon.

[Read more](#)

### ERA-MIN 2 project outcomes were disseminated to ETP-SMR

22/06/2018



[Read more](#)

### ERA-MIN session at the Horizon 2020 Technology Success Stories



The event took place on 18<sup>th</sup> November 2019 in Brussels, in the context of the Raw Materials Week.

It was a perfect opportunity for meeting 9 of the ERA-MIN funded projects, which presented their success stories and the coordinators that lead the international research teams.



### ERA-MIN Joint Call 2018 presented at 2018 InfoDays H2020 SC5

20/09/2018



The ERA-MIN 2 coordinator, Ms. Dina Carrilho, announced the launch of the ERA-MIN Joint Call 2018 in the 2018 InfoDays H2020 Societal Challenge 5

[Read more](#)



### Meet ERA-MIN 2 at PDAC 2019

28/02/2019



The latest research funded projects by ERA-MIN 2 and the future ERA-MIN joint calls for proposals to which companies could apply will be presented.

[Read more](#)



### ERA-MIN brokerage event organised by ADEME and ANR

03/10/2018



The ERA-MIN Joint Call 2018 was presented in the seminar held in Paris on 28 September.

[Read more](#)



### ERA-MIN 2 at EuroNanoForum 2019

03/06/2019



[Read more](#)

# Events (III)

<https://www.era-min.eu/all-events>



## ERA-MIN Joint Call 2019 announced at EU Raw Materials Week 2019

19/11/2019



[Read more](#)



## ERA-MIN AT THE EUROPEAN MINING CONVENTION 2020 - VIRTUAL EDITION

17/12/2020



[Read more](#)



## ERA-MIN2 goes to PDAC 2020

03/03/2020



[Read more](#)



## ERA-MIN Poster at LCM2021

02/09/2021



[Read more](#)



## ERA-MIN 2 & 3 at PDAC 2021

12/03/2021



[Read more](#)



## RawMat 2021

ATHENS, GREECE

05/09/2021 - 09:00 TO 09/09/2021 - 18:00



## Call results

<https://www.era-min.eu/results>

## List of funded projects, Call statistics and publishable abstracts

## 2.1 STATISTICS OF SUBMITTED PROPOSALS

The Joint Call was a one-stage submission process and resulted in the submission of 38 proposals. After an eligibility check for compliance with both ERA-MIN 2 rules and national/regional regulations, 29 proposals were selected and sent to a centralised independent international scientific assessment, the Scientific Evaluation Board (SEB).

The submitted 38 proposals involved 203 applicants, of which 56 were enterprises (28%), requesting around €24 million of total public funds and total costs of €32 million (Figure 2). In the following graphs the different types of organisations applying in the call have been grouped into Academia (universities and research organisations), Enterprises and Other (including consultants and non-profit organisations).

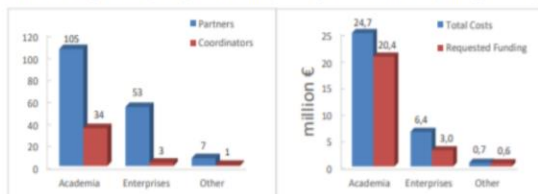


Figure 2. Number of coordinators and partners, total costs and requested funding by type of organisation: academia, enterprises and other, for all submitted applications.

In Figure 3, the distribution of the applicants (coordinators and partners) by country or region/funding organisation is presented.

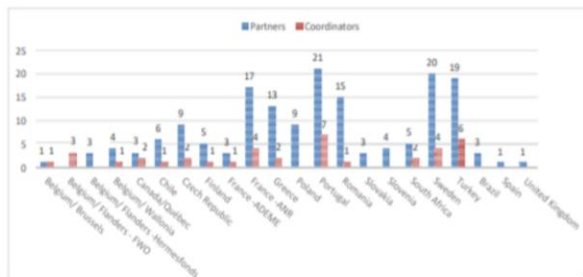


Table 3. Number of coordinators and partners in submitted proposals per country/region


<b>Project acronym</b>	<b>NEXT-LIB</b>
<b>Project title</b>	<b>Novel Circular Economic Approaches for Efficient Extraction of Valuable from Spent Li-Ion Batteries</b>
<b>Main topic</b>	<b>4. Recycling and Re-use of End-of-Life Products</b>
<b>Sub-topics</b>	4.2 End-of-life products pre-processing: pre-treatment, dismantling, sorting, characterisation 4.3 Recovery of raw materials from End-of-life products
<b>Keywords</b>	Spent LIBs, Valuable Metals, Graphite Separation, Li Recovery, Recycling
<b>Publishable abstract</b>	<p>The existing dominating technology applied in Europe is the Umicore process which is simple and efficient with main focus on recovery the high value metals like Co, Ni and Cu. The other critic materials like lithium and graphite are lost. Lithium is diluted in a slag phase while graphite and electrolyte are burnt to hazardous gases. The dominating technology applied in China consists of shredding, thermal processing for removal of electrolyte and binders followed by leaching processes. In both cases, the graphite is not just lost it also causes to major difficulties for the subsequent metal recovery processes. Shredding of LIB is another major challenging. Though a number of technologies are used in commercial scale, they are often slow or have to be operated under a carefully arranged inert system (like liquid N2 cooling, shredding in water etc) in order to minimize the fire risk due to high content of flammable electrolyte in the LIBs. The NEXT-LIB project has the intention to develop a number of new technologies to meet the challenges addressed above which will enable safe shredding operation, possible electrolyte recovery, graphite recovery and Li-enrichment by pyrometallurgical approaches etc. The project aims for developing technologies for an over 20% increased overall recovery efficiency comparing to the current processes. The project will be realized via a cross-discipline approach with experts in material characterization, mineral processing, pyro- and hydrometallurgy, sustainability analysis, from leading universities, research institutes, SME, major battery recycler and metal producer located in Sweden, Finland, France, Italy and Portugal.</p> <p>The project has an economic potential of at least 1 billion €, thereby a possibility to create &gt;2000 jobs for the EU and an energy saving potential of &gt;1000 GWh on a global perspective.</p>
<b>Participating organisations</b>	<p>Swerim AB (Sweden) Luleå University of Technology (Sweden) Extractive (France) INSTM- IU University Mediterranea of Reggio Calabria (Italy) Geological Survey of Finland (GTK) (Finland) CEA (France) uRecycle Battery Materials Oy Filial i Sverige (Sweden) Faculdade de Ciências da Universidade do Porto (Portugal) Boliden (Finland)</p>
<b>Project duration</b>	36 months
<b>Total Costs</b>	1.529.684 €
<b>Total Requested Funding</b>	1.227.517 €

Main call topic	Sub-topic areas	Project acronym/abstract	Project title	Coordinator (partner 1) and consortium partners	Participating countries - Funding organisations	Duration	Total Costs	Total Requested Funding
1.Supply of raw materials from exploration and mining	1.1: Exploration	AMTEG <a href="#">ERA-MIN 2</a> <a href="#">Project's abstracts</a>	Advanced Magnetic full TENSor Gradiometer instrument	1. Supracon AG	Germany - BMBF/PtJ	36 months (2018 -2021)	1 366 733 €	952 149 €
				2. Nordika Geophysics	Sweden - Vinnova			
				3. Leibniz Institute of Photonic Technology	Germany - BMBF/PtJ			
				4. Ingenieur-Gesellschaft für Interfaces mbH	Germany - BMBF/PtJ			
				5. Geognosia S.L.	Spain - CDTI			
				6. Nordic Iron Ore AB	Sweden - Vinnova			
	1.1: Exploration	Gold_InSight <a href="#">ERA-MIN 2</a> <a href="#">Project's abstracts</a>	Tracing Gold-Copper-Zinc with advanced microanalysis	1. Trinity College Dublin	Ireland - GSI	24 months (2018-2020)	727 550 €	484 550 €
				2. Luleå University of Technology	Sweden - Vinnova			
				3. Swedish Museum of Natural History	Sweden - Vinnova			
	1.1: Exploration	LIGHTS <a href="#">ERA-MIN 2</a> <a href="#">Project's abstracts</a>	Lightweight Integrated Ground and Airborne Hyperspectral Topological Solution	1. Université de Lorraine	France - ANR	36 months (2018 -2021)	1 547 140 €	1 189 919 €
				2. Faculty of Sciences - University of Porto	Portugal - FCT			
				3. Laboratoire de Géologie de Lyon - Université Lyon 1	France - ANR			
				4. Helmholtz-Zentrum Potsdam - Deutsches GeoForschungsZentrum	Germany - BMBF/PtJ			
5. Beak Consultants GmbH				Germany - BMBF/PtJ				
1.2: Mining operations	REWO-SORT <a href="#">ERA-MIN 2</a> <a href="#">Project's abstracts</a>	Reduction of Energy and Water consumption of mining Operations by fusion of sorting technologies LIBS and ME-XRT	1. Fraunhofer Gesellschaft	Germany - BMBF/PtJ	36 months (2018 -2021)	714 840 €	608 340 €	
			2. University of Chile	Chile - CONICYT				
			3. Luleå University of Technology	Sweden - Vinnova				
			4. SECOPTA analytics GmbH	Germany - BMBF/PtJ				

# Communication & Dissemination related to the Funded Projects



# Results of the funded projects (I)




**LIGHTS Final project presentation and results**

26/10/2021

[Twitter](#) [Facebook](#) [LinkedIn](#)

[Read more](#)




**New video from ERA-MIN 2 funded project MaXcycle on BadenTV**

28/01/2021

[Twitter](#) [Facebook](#) [LinkedIn](#)

[Read more](#)



**The website of MOSTMEG project is already running**

11/01/2021

[Twitter](#) [Facebook](#) [LinkedIn](#)

[Read more](#)

**ERA-MIN 2 & ERA-MIN  
PROJECT TESTIMONIALS**



Almost 30 Video Testimonials of funded projects are  
available at  **ERA-MIN3 - YouTube**

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

**28 Video Testimonials of the ERA-MIN & ERA-MIN 2 funded projects** present a good overview about what has been funded under ERA-MIN Calls on Raw Materials (ERA-MIN) and their contribution for the development of the non-energy, non-agricultural mineral raw materials Research Area across Europe and globally.



## Results of the funded projects (II)

<https://www.era-min.eu/results>



# Dissemination of project results at events



ERA-MIN funded projects present at the Horizon 2020 Technology Success Stories

18/11/2019



[Read more](#)



Launch Event for the EU Co-funded ERA-MIN Joint Call 2021

28/01/2021



[Read more](#)



ERA-MIN 2 Presentation on the event Ecomondo

28/10/2021



[Read more](#)

## ERA-MIN AT SUMEX CLUSTERING WORKSHOP

15/06/2021



SUMEX project Clustering Workshop is taking place from **15 to 16 June 2021**.

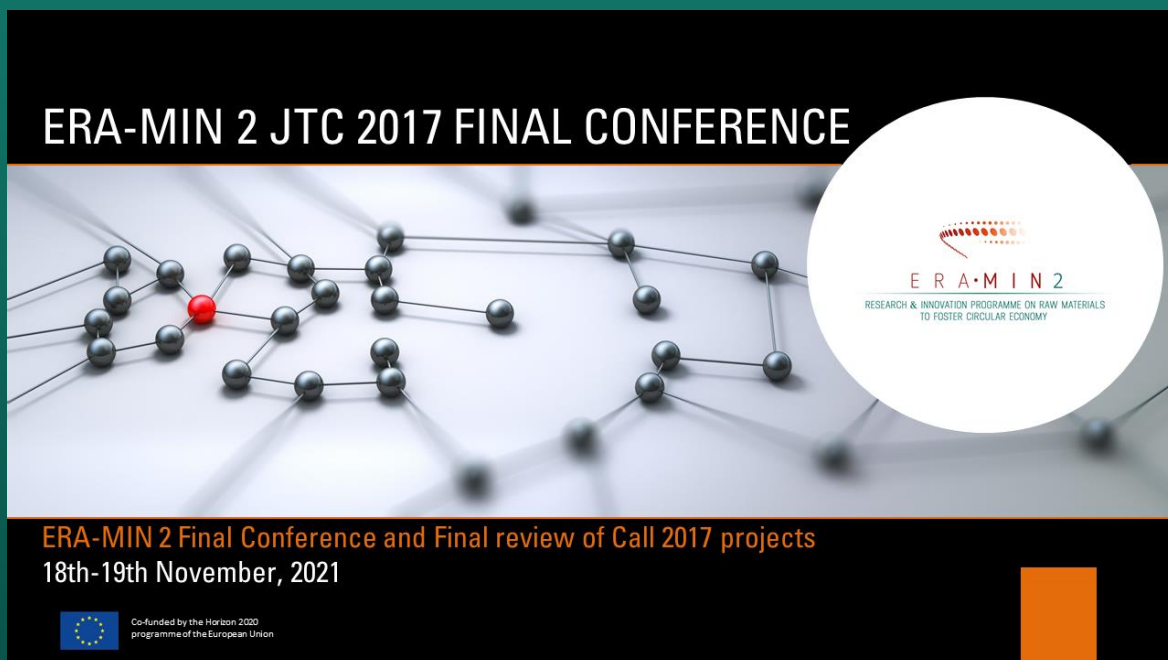
We are glad to share with you that today 15 June from 10:00-11:30 (CEST) the **ERA-MIN projects session** will be taking place.

The session will count with an **introductory presentation** by ERA-MIN 3 ERA-NET Cofund Coordinator **Dina Carrilho**, followed by some **interesting presentations of good practices on sustainability in the extractive industry** by project coordinators and/or WP leaders from 4 ERA-MIN funded projects:

- 1 Alexandre Lima and Ana Claudia Moreira Teodoro from **LIGHTS project**, funded under ERA-MIN Joint Call 2017
- 2 Nicolas Kalogerakis and Georgios Kolliopoulos from **nanoBT project**, funded under ERA-MIN Joint Call 2019
- 3 Lina Hällström from **ReminE project**, funded under ERA-MIN Joint Call 2015
- 4 Paula Morais and Rita Branco from **REVIVING project**, funded under ERA-MIN Joint Call 2019

# ERA-MIN 2 Final Conference and Final Seminar of Call 2017 projects

<https://www.era-min.eu/event/era-min-2-final-conference-and-final-seminar-call-2017-projects>



ERA-MIN 2 JTC 2017 FINAL CONFERENCE

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

ERA-MIN 2 Final Conference and Final review of Call 2017 projects  
18th-19th November, 2021

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

- The ERA-MIN 2 Final Conference will show the achievements after 5 years bridging with the recent successor pan-European network on raw materials ERA-MIN3 (2020-2025).
- The Final Seminar of Call 2017 projects will gather all the funded projects representatives from the ERA-MIN 2 Research Programme to disseminate their project results to stakeholders and promote the uptake of project results by end-users, civil society or policymakers



# Poster Competition

<https://www.era-min.eu/event/era-min-2-final-conference-and-final-seminar-call-2017-projects>

