

ERA-MIN Joint Call 2023 Launch Webinar



Join us to learn more details about the funding opportunity for
R&I projects on Raw Materials
14 December, 2022 14:30-16:30 (CET)



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



2023 Call

Launch

event

Guidelines

- The duration of the webinar is approximately 2 hours
- For all attendees, microphones are muted and video cameras are turned off
- To ask a question, please use preferably the **Questions** box. It will be answered in writing or by the panelists. Alternatively, you may use the Chat option.
- At the end of the event there is a dedicated session to answer the questions



2023 Call
Launch
event
Content

01 14:30 - Welcome and Introduction

Dina Carrilho (FCT, Portugal)

02 14:50 - Submission, Evaluation and selection procedures and Call documents

Tobias Kampmann (Vinnova, Sweden)

03 15:05 - Call topics

Pontus Westrin (Vinnova, Sweden)

04 15:20 - Testimonial and Call videos –break

05 15:30 - Electronic Submission System (ESS) and online Partnering Search Tool

Holger Grünewald (Jülich, Germany)

06 16:00 - Q&A, Recap and Closing remarks

Dina Carrilho (FCT, Portugal)



ERA-MIN3

RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT
AND THE CIRCULAR ECONOMY



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ERA-MIN3
Raw Materials for the Sustainable Development
and the Circular Economy

ERA-MIN Joint Call 2023

Background and introduction



Dina Carrilho – ERA-MIN3 Project coordinator
Foundation for Science and Technology – Portugal
Call Launch Webinar
online, 14th December, 2022



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ERA-MIN3

Content

01 ERA-MIN3 consortium and objectives

02 ERA-MIN3 background

03 ERA-MIN contributes to EU Raw Materials policies

04 ERA-MIN Dashboard – an interactive map of funded projects

05 Project testimonials - benefits

06 Statistics of ERA-MIN Joint Call 2019

07 ERA-MIN3 Joint Transnational Calls



ERA-MIN3

RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT
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ERA-MIN3
Raw Materials for the Sustainable Development
and the Circular Economy

ERA-NET

Complements EU Programmes, EIT RawMaterials and national/regional research funding programmes:

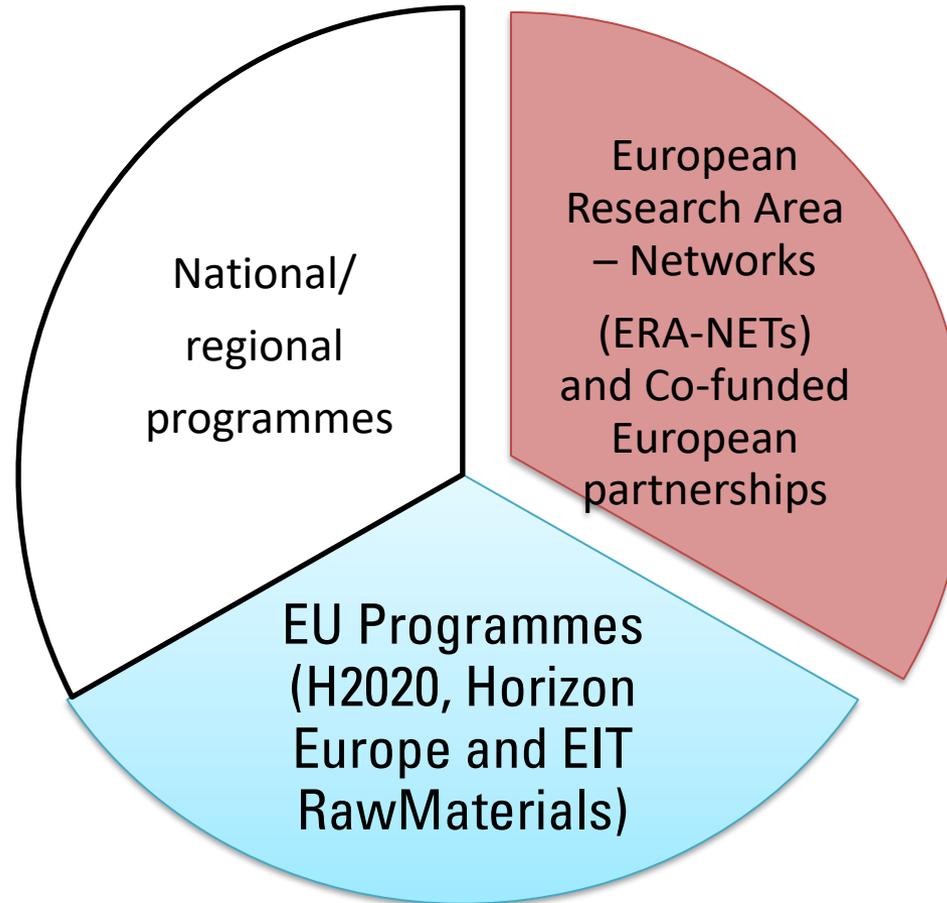


RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT AND THE CIRCULAR ECONOMY

Raw Materials

Public-public partnership (P2P)

Learn more about partnerships at <https://www.era-learn.eu/>



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ERA-MIN3
Raw Materials for the Sustainable Development and the Circular Economy

ERA-MIN3 Consortium pan-European network of 25 research funding organisations

NEW: Québec province/Canada, Bulgaria, Czech Republic, Estonia, Slovakia, Wallonia region and Navarra region

15

EU Member States countries

- Bulgaria
- Czech Republic
- Estonia
- Finland
- France
- Germany
- Ireland
- Italy
- Poland
- Portugal
- Romania
- Slovakia
- Slovenia
- Spain
- Sweden

3

EU Member States regions

- Belgium-Flanders
- Belgium-Wallonia
- Spain-Navarra

1

EU Associated Country

- Turkey

3

non-EU countries

- Brazil
- Canada-Québec
- South Africa



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Raw Materials for the Sustainable Development and the Circular Economy

ERA-MIN

Objectives

Pan-European, Innovative and Flexible Network of Public Research and Innovation Funding Organisations

01 Secure the sustainable and responsible supply of **non-food, non-fuel mineral raw materials** for a **carbon-neutral and a circular economy**

02 Promote **world-wide** research and innovation (R&I) cooperation through **coordinated funding**

03 **Reduce the fragmentation of R&I** funding across Europe and globally

04 Implement **Joint Calls for transnational R&I projects on “Raw materials for the sustainable development and the circular economy”**

05 Support international R&I projects between **universities, research institutes, small, medium and large enterprises**, NGOs, public authorities, etc



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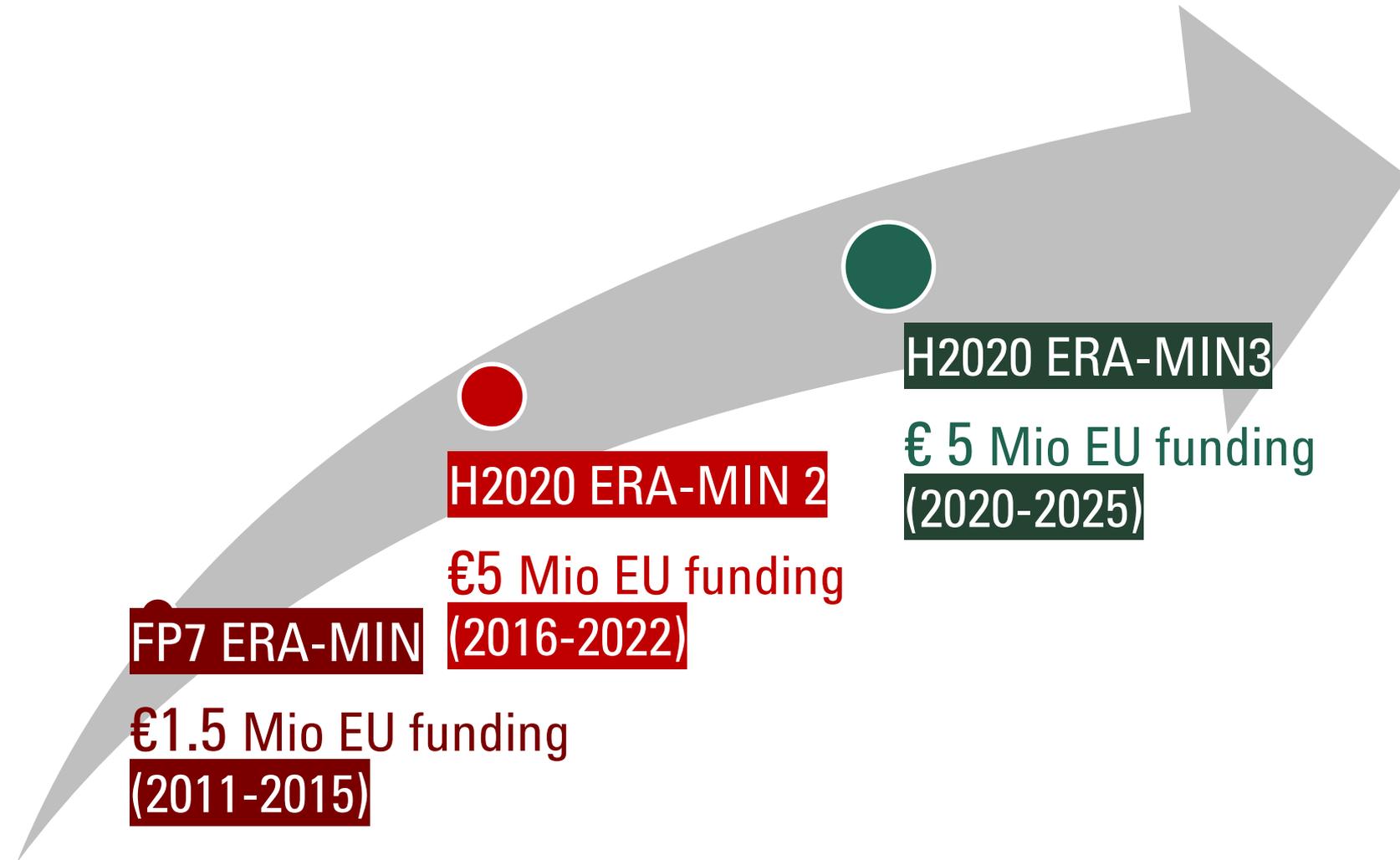
since 2011

3 Pan-European Networks of Public Research Funding Organisations



RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT AND THE CIRCULAR ECONOMY

✓ **8** Joint Calls for transnational R&I projects on **non-fuel, non-food industrial, construction and metallic minerals**



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ERA-MIN 10th Anniversary Full Paper Published



"ERA-MIN: A Decade since the Inception of the EU Led Effort to Support the International Raw Materials Research Community" is an Open Access Proceeding Paper published on 28th January 2022 on the journal Material Proceedings



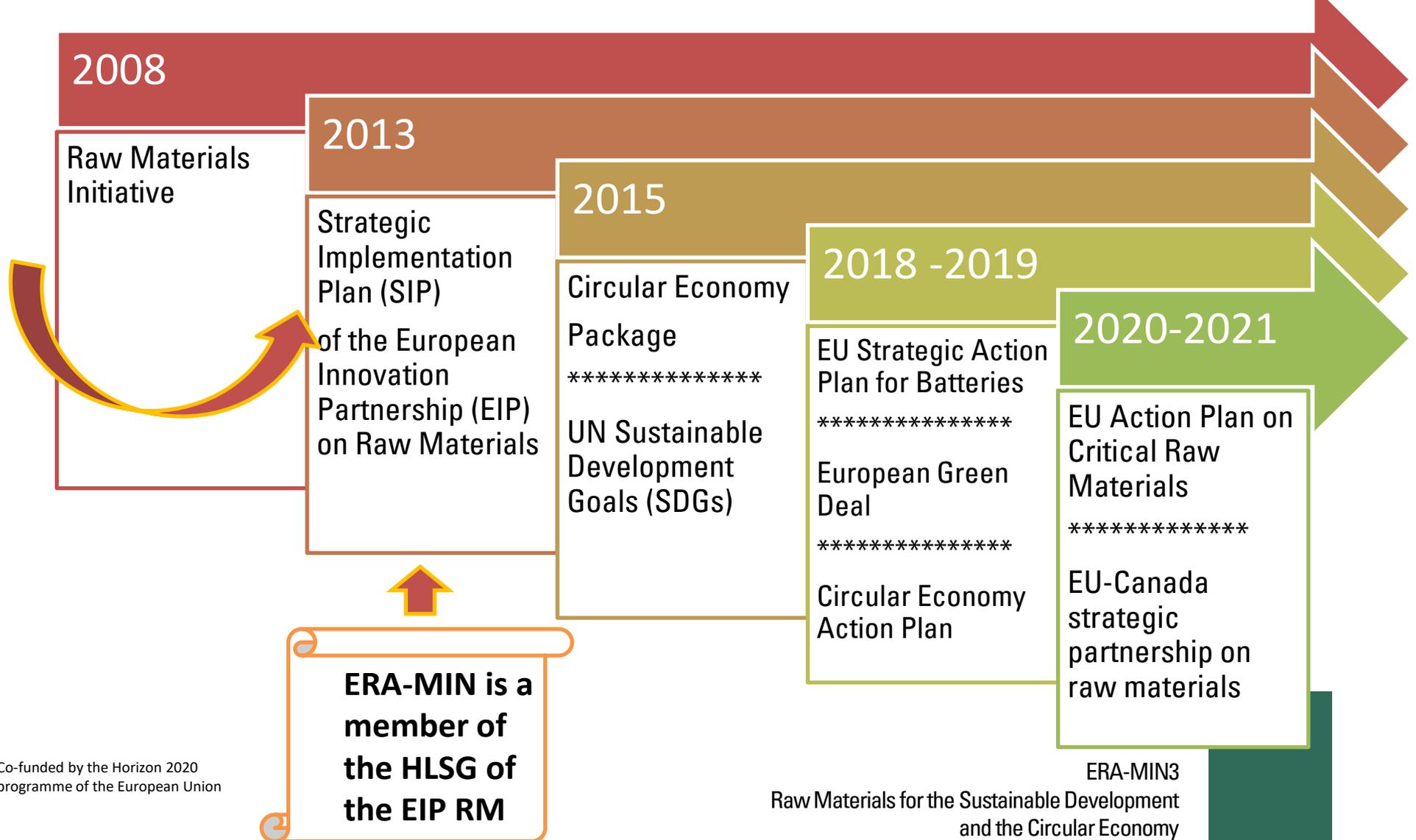
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EU Raw Materials

ERA-MIN networks support EU Raw Materials policies

landscape

ERA-MIN Research
Agenda (2013)



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ERA-MIN is a member of the HLSG of the EIP RM

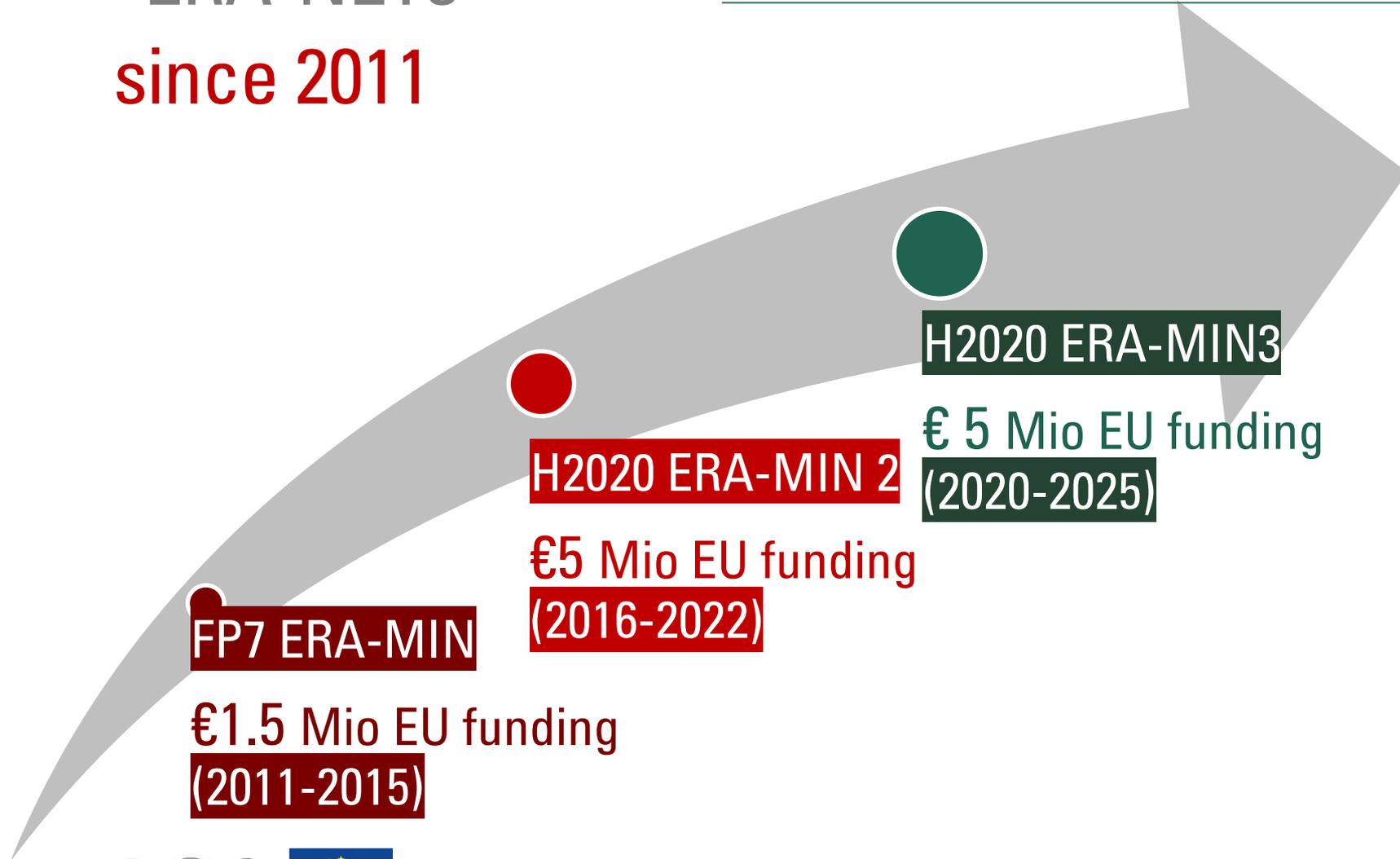
ERA-MIN3
Raw Materials for the Sustainable Development and the Circular Economy

EU funding to ERA-NETs since 2011

Three ERA-MIN networks supported by EU



RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT AND THE CIRCULAR ECONOMY



✓ **79** R&I funded projects
ERA-MIN - 17
ERA-MIN 2 - 40
ERA-MIN3 - 22 + ?

€61 million total public funding to R&I projects

€10 million EU contribution to R&I projects

ERA-MIN leverage effect is 6



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ERA-MIN Joint Calls Dashboard

57 funded R&I projects (2013-2019)

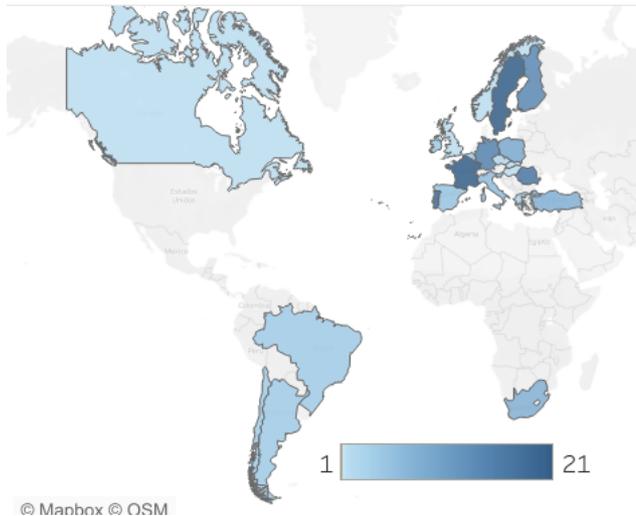


RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT
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<https://www.era-min.eu/dashboard>

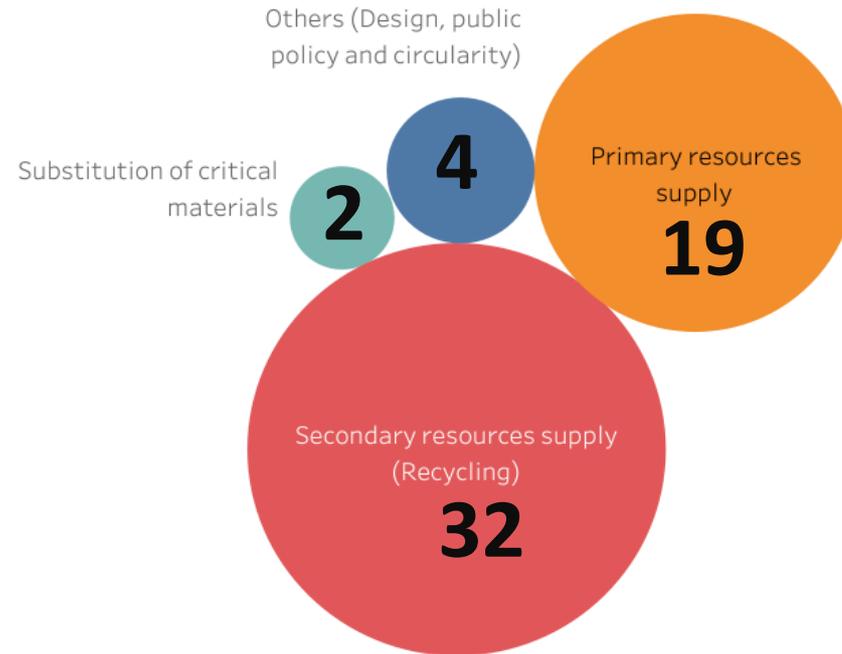
*(Will be updated with the
22 R&I projects of Call 2021)*

Country participation. Number of
projects by country

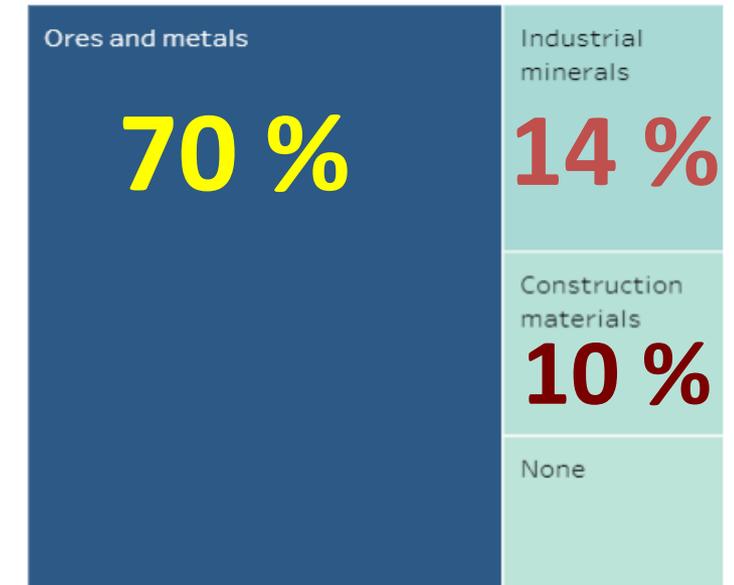


27 Research Funding Organisations

Number of projects by category



Mineral Category



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Raw Materials for the Sustainable Development
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Project summaries and final reports

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



<https://www.era-learn.eu/network-information/networks/era-min-2/era-min-joint-call-2017/>

AMTEG - Advanced Magnetic full TENSOR Gradiometer instrument

MaXycle - A novel circular economy for sustainable RE-based magnets

MetRecycle - Recycling of metals using functionalized magnetic nanoparticles (FMNP)

BATRE-ARES- Battery Recycling – Achieving Rare Earth Separation

Li+WATER - Membrane electrolysis for resource-efficient lithium and water recovery from brines

LIGHTS - Lightweight Integrated Ground and Airborne Hyperspectral Topological Solution

....



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Benefits

Testimonials from

Project coordinators



Pesquisar



ERA-MIN Project Testimonials

ERA-MIN3
28 vídeos 1.163 visualizações Última atualização e...

Reproduzir ... Ordem alea...

- 3** **Project Sb-RECMEMTEC**
ERA-MIN3 • 103 visualizações • há 1 ano
6:15
- 4** **Project MiCCuR**
ERA-MIN3 • 94 visualizações • há 1 ano
2:45
- 5** **Project MIWACUT**
ERA-MIN3 • 75 visualizações • há 1 ano
2:00
- 6** **Project MOSTMEG**
ERA-MIN3 • 116 visualizações • há 1 ano
3:20
- 7** **Project GEOSULF**
ERA-MIN3 • 52 visualizações • há 1 ano
2:35



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Benefits

Testimonials from Project coordinators



Check out the **other 22 project testimonials** videos [here](#)

https://www.youtube.com/playlist?list=PL_pTLF_q5vibtfmETtw_t0dy1PZlhzEdra



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Benefits

Testimonials from

Project coordinators



Transnational projects allow the **best collaborative research worldwide**

ERA-MIN instrument is an excellent **start for an international collaboration** in common research goals

Access to international level researchers and large R&D centres **motivates small companies**

Set up of international collaborations with **academic and/or industrial partners**

Opportunity to strength existing knowledge networks with **experienced institutions**

collaborative transnational networks of **fundamental and applied science**

Exchange of knowledge and cooperation for **joint actions and technology transfer**

Allows the submission of **risky projects (including low TRL)**

all TRLs and both upstream and downstream outcomes within a single action

Consortium is easier to create and operate than the European projects

The application and selection stages are easier than the European projects

Supports **ambitious goals** while keeping **consortia and budgets at reasonable sizes**



Benefits

Funded projects

Testimonials

- Promotion of circular economy and environmental benefits of countries facing the **same goals**
- **Good visibility** of the project
- Production of relevant results for **linked H2020 projects**;
- Exploitation of existing **research infrastructures**, know-how, and skills
- Capacity building – human resource development & funding of **PhD students**
- Broaden horizons of **small companies** from developing countries, through their integration with **large companies** that act in highly developed **markets**.



ERAMIN 3

RAW MATERIALS FOR THE SUSTAINABLE DEVELOPMENT
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Success rate: 32 %

BaCLEM - Bio-assisted Closed loop recycling of E-Mobility Metals from waste PCBs and Li-Ion Batteries

ELiMINATE - End-of-life Li-ion battery management integration and technology evaluation

ANTISOLVO - Antisolvent precipitation to extract the value from end-of-life Nd-Fe-B magnets

RETECH - Recovery of rare earth elements from complex ores in Turkey and their potential use in high tech industrial applications

- **Small consortia**
 - **3 to 9 consortium partners**
 - **2 to 5 consortium countries**
- **Small budget**
 - **€0.25 to €1.3 Mio** allocated funding
 - **80%** academia-industry projects
 - **Start TRL 1 to target TRL 8** (TRL 3-6 in average)
 - **24-36 months** project duration





Joint Transnational Calls

2021/22 – Launch the EU co-funded Call with a budget of €19.5 million. The 22 peer-reviewed excellent transnational R&I projects have started on 1st May 2022.

2023 - Launch the second joint call for transnational R&I proposals **only with national and regional funds.**



Get involved

Contact & Info

- ❑ If you are a **raw materials related project or initiative**, liaison with **ERA-MIN3** to promote synergies.

Newsletter

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

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



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

CONTACT DETAILS

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Questions and answers



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