



RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS TO FOSTER CIRCULAR ECONOMY

ERA-MIN 2 is a public-public partnership to implement a European-wide coordination of research & innovation programmes on raw materials in the field of *non-energy, non-agricultural raw materials (construction, industrial & metallic minerals)* to strengthen industry competitiveness and shift to a circular economy. With this aim, ERA-MIN 2 has implemented 3 joint calls for collaborative transnational R&I projects between 2017 & 2019 in line with the integrated strategy EU Raw Materials Initiative & the Strategic Implementation Plan of the European Innovation Partnership on Raw Materials, the EU Circular Economy Package as well as the ERA-MIN Research Agenda. Based on the ERA-NET Cofund scheme, ERA-MIN2 is supported by the EC Horizon 2020 since 2016 for 5 years.

ERA-MIN Joint Call 2019: "Raw materials for sustainable development and the circular economy"

The 3rd ERA-MIN Joint Call recently closed on 12th March 2020 and the evaluation results are expected by June 2020. The call scope was needs-driven research addressing all aspects of the non-energy non-agricultural raw materials life cycle, covering both primary and secondary resources under a circular economy approach.

19 Funding Organisations participated in the call, from the following Countries:

EU countries/regions: Belgium-Brussels; Belgium-Flanders; Belgium-Wallonia; Czech Republic, Finland; France; Greece; Poland; Portugal; Romania; Slovakia; Slovenia; Sweden.

EU Associated country: Turkey.

Non-EU countries: Canada-Québec, Chile and South Africa.

Call Calendar:

June 2020: Communication of Call results

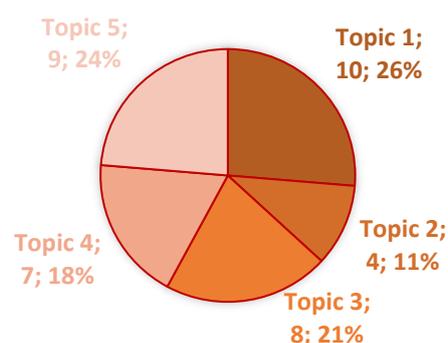
December 2020: Latest date for project start

Call 2019 - Proposal Submission Results:

38 submitted R&I proposals. 203 applicants, of which 30% enterprises that cover the 5 main call topics.

Further information on the call is available on the calls section of [ERA-MIN2 website](#).

SUBMITTED PROPOSALS



ERA-MIN Joint Call 2018

18 ERA-MIN 2 partners plus 6 other Funding Organisations allocated national/regional budgets for this Joint call 2018. 12 transnational projects were funded with a total public funding of € 8.8 million and total costs of € 12.7 million. The participation of the private sector in these projects was of 28%. The R&I projects have started in late 2019 with a duration of up to 36 months.

The list of funded projects, call statistics and their publishable abstracts are available on the results section of [ERA-MIN2 website](#).

ERA-MIN Joint Call 2017

21 Funding Organisations, ERA-MIN2 partners, participated in the EU co-funded Joint call 2017. 16 transnational projects were funded with a total requested public funding of € 12.3 million including EU contribution and total costs of € 16 million. The progress and the first-year project reports can be found on [ERA-MIN2 website](#).

Summarising the main results: New collaborations were established and consortia have applied to other 50 new national/transnational calls; 3 patents, 1 licence were approved/submitted for approval; a large number of communications already presented in scientific conferences. These events were used not only for networking but also for engaging with stakeholders and industry.

Mid-Term Seminar and first year project implementation of Call 2017

The mid-term Seminar took place on 18th November 2019, in Brussels, in the context of the Raw Materials Week. The results of the first year confirm the high potential of this kind of transnational projects to enhance collaboration and reduce fragmentation of European Research Area networks in European Union.

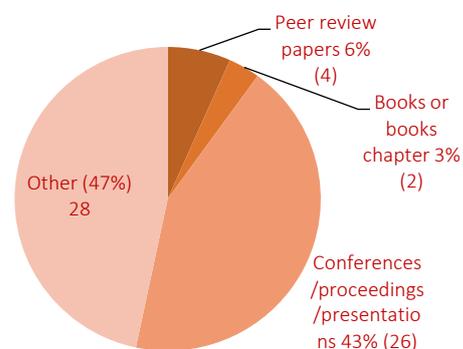
An online survey to project coordinator showed that 50% of project consortia were built on previous connections to which new partners have associated. After the first-year implementation period, 313 researchers of 88 institutions were reported to be working on the 16 funded projects (16 persons/project average); 31% of them are young researchers; 14 out of 16 projects have created 5 permanent and 48 temporary jobs. There is good balance in terms of gender since 47% of researchers are female. Project FLOW has only females as project/partner leaders.



Scientific output

Regardless of the short project duration so far, a notable scientific output has been reported. The graphic shows the total scientific achievements of the projects. Other outputs refer to posters in conferences, info-days, master thesis etc.

Knowledge transfer and dissemination of results within ERA-MIN calls follow the approaches and principles of open science: 19 out of the 32 results reported publications are in open access.



ERA-MIN session at the Horizon 2020 Technology Success Stories



The event took place on 18th 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.

Results ERA-MIN Joint Calls – 2013, 2014 & 2015

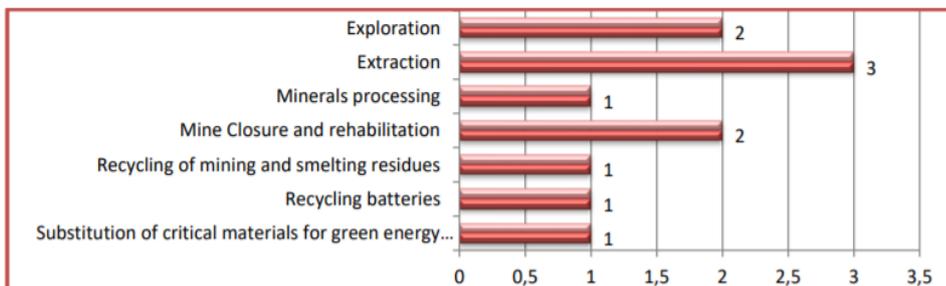
Under the former FP7 ERA-NET **ERA-MIN**, three Joint Transnational Calls were launched between 2013 and 2015. A total of 17 R&I projects were funded with € 13 million public funding and the last projects ended in 2019.

During the first quarter of 2020, the final results of those projects were analysed by ERA-MIN2 and were published on its [website](#). The summary reports of each Joint Call results include the call statistics, data on each project and their main outputs that could be up-taken by stakeholders (academia, industry, society).

New industrial collaborations were created through the funded projects and the continuation of these collaborations have been strengthened, being very important the role developed by the industrial sector in the funded projects.

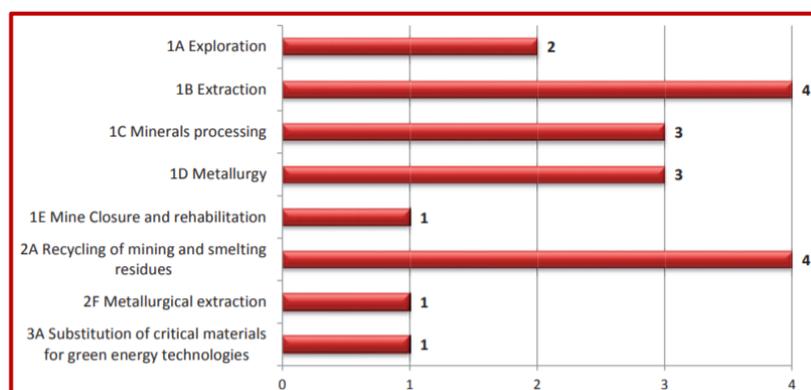
ERA-MIN Joint Call 2015 Results: Summary Reports:

The call scope was “Sustainable Supply of Raw Materials in Europe”. The sub-topics “Extraction”, “Mine Closure and rehabilitation” and “Exploration” were the most addressed.



The 6 funded projects produced 205 publications, 1 patent/license and 3 theses; involved 40 young researchers that represents 27% of the participating researchers; 50% of the researchers were female; 2 permanent jobs and 40 temporary jobs were created.

ERA-MIN Joint Call 2014 Results: Summary Reports:



The call scope was “Sustainable Supply of Raw Materials in Europe”. The sub-topics “Extraction” and “Recycling of mining and smelting residues” were covered in 4 out of 7 funded projects.

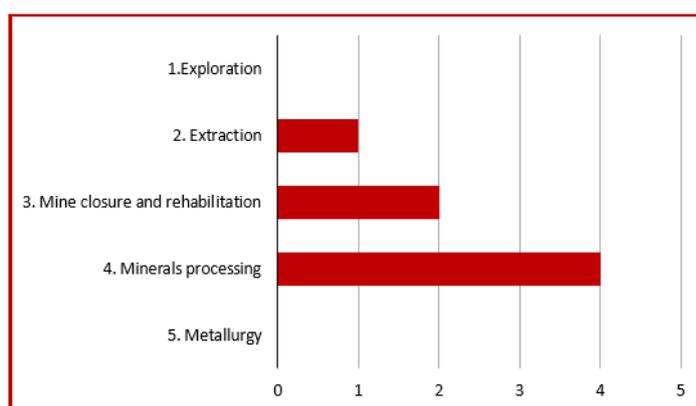
All funded projects involved 69 young researchers that represented 36% of the researchers participating in these projects; have produced 79 publications, 5 patents/licenses and 1 start-up; 17

permanent jobs and 63 temporary jobs were created; and 44% of the researchers involved in these funded projects were female which is a good indicative of gender balance.

ERA-MIN Joint Call 2013 Results: Summary Reports:

The scope of this pilot Joint Call, participated by five funding agencies, was needs driven research on “sustainable and responsible supply of (non-energy) primary resources”, based on the ERA MIN Research Agenda. All the 4 funded projects addressed minerals processing as the topic sub area.

The 3 out of 4 funded projects involved 38 young researchers which represents 40% of researchers; from these 49% were female; 49 publications and 37 temporary jobs were created.



More information at: www.era-min.eu

ERA-MIN2 [News](#) & [Events](#)

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