



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: 1st December 2016

Duration: 60 months

D5.3. INTERIM DISSEMINATION AND EXPLOITATION REPORT

WP 5: Communication, dissemination and exploitation of the results

Task 5.2: Exploitation and dissemination of results

Task Leader: AEI

Lead beneficiary: AEI

Type: Report

Dissemination level: Public

Author(s): Beatriz Gómez Miguel

Due date: M38

Actual submission date: M40



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.

“This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 730238”

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Publishable summary:

The report presents the implementation of the Communication and Dissemination Plan. The strategy is to maximize impact by reaching final target audience, at appropriate times, via appropriate channels, with sustained interaction and always aiming at sustainable use of results.

Communication and dissemination covers partners’ information sharing and exploitation, processes related to dissemination and exploitation over ERA-MIN calls’ life cycle and a general picture of external dissemination actions.

Website is the core of ERA-MIN 2 communication and dissemination. It acts as a tool organized in several sections calls, results, news, events, publications and boost.

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1. Executive summary

The report presents the implementation of the Communication and Dissemination Plan. The strategy is to maximize impact by reaching final target audience, at appropriate times, via appropriate channels, with sustained interaction and always aiming at sustainable use of results. This report is intended to summarize the tasks and outcomes carried out up to this moment.

Communication and dissemination covers three contexts.

- Partners' information sharing and exploitation where partners and Observer organisations organize their contribution to ERA-MIN 2 impact enhancement.
- Processes related to dissemination and exploitation over ERA-MIN calls' life cycle, covering from call preparation, announcement, call assessment, projects monitoring and project results.
- General picture of external dissemination actions including a general view of all the actions compiled over the implementation of ERA-MIN 2.

Website is the core of ERA-MIN 2 communication and dissemination. It acts as a tool organized in several sections calls, results, news, events, publications and partner search.

A group of indicators have been established in the Communication and Dissemination Plan. In this interim report, indicators based assessment is presented. A review of indicators and measurements associated is foreseen.

Finally, a complete compilation of dissemination actions is presented in four appendixes.

2. Framework

This report presents the impact enhancement of ERA-MIN 2 supported by dissemination activities. The main goal is the transnational projects' outcomes and lessons learnt reaching relevant stakeholders.

Methodology is based on the implementation of the Communication and Dissemination Plan [D5.2]. The strategy is to maximize the impact by reaching relevant stakeholders at appropriate times, via appropriate channels, with sustained interaction and always aiming at sustainable use of results.

Targets of dissemination and exploitation have been identified: ERA-MIN 2 partners, networks and research sector, EU funded projects, industry and general audiences.

Channels and tools take into account the type of target and activity. Main channels are website, social networks, Email and newsletter. On the other hand, seminars and workshops are prepared for specific contacts with stakeholders.

Procedures to prepare, carry out the activities, provide feedback and extract conclusions are considered for the most elaborated dissemination activities.

Other elements for dissemination and exploitation, such as leaflets and posters, are part of the dissemination strategy.

The information will be organized taking into account the context in which data are exploited.

In this report, a comprehensive compilation of dissemination actions are presented.

3. Dissemination and exploitation processes

Different contexts are handled. Each context has required a specific approach to enhance the impact in a proper manner. The following contexts are identified:

- Partners' information sharing and exploitation
- Processes related to dissemination and exploitation over ERA-MIN calls' life cycle
- General picture of external dissemination actions

3.1. Internal sharing and exploitation

ERA-MIN 2 brings together 21 partners from 17 countries/regions from four continents. A heterogeneous group that has to act jointly in one voice. They provide ERA-MIN 2 with very valuable information in terms of national/regional initiatives, cutting-edge fields or topics, research or industry events and experts or networks. All this information is helpful for ERA-MIN 2 purposes accomplishment.

Apart from being used as source of information, **sharing information** support discussions and documentation generation that **improve the impact**. Different channels are used in this environment: mailing, teleconferences, face to face meetings and the partner area in ERA-MIN 2 website.

Mailing is basic for **coordination, scheduling and arrangements**. **Dozens of email conversations per month** are generated in this context. The key point is to reach the correct people, for this purpose mailing lists are created and continuously updated. They cover a good range of purposes, such as, financial/administrative, management, WP/Tasks implementation, call processes, observers contacts, experts in different fields discussions, etc. They are initiated by any partner and controlled by the coordinator. Each piece of information has to reach the correct targets and the necessary active actors have to be engaged in the conversations.

Teleconferences are arranged **periodically or by notice** when necessary. The average is **more than a teleconference per quarter** to deal with common project management issues. A higher number of these meetings is arranged when calls life cycle or additional activities implementation require discussions or quick decision making. They **complement mailing**

The repository is the archive of the project supporting internal sharing and exploitation of the project by partners.

3.2. ERA-MIN Calls context

Processes related to dissemination and exploitation over ERA-MIN calls' life cycle are directly related to the stage of the joint call. Some of them overlap from one call to the next, but each stage specific dissemination and exploitation actions are designed to accomplish impact enhancement.

3.2.1. Selection of thematic priorities and establishment of the scope of a call

Priorities were selected on the basis of the integrated strategy proposed in the EU Raw Materials Initiative (RMI) and the Strategic Implementation Plan of the European Innovation Partnership (EIP) on Raw Materials as well as in priorities of national/regional funding programmes participating in the call. The ERA-MIN Advisory Board provided inputs to ensure topics are relevant to key actors and EU goals. **Workshops and seminars** were the instruments used to improve the impact in thematic priorities selection.

It was agreed to follow a circular economy (Figure 2) approach by addressing production, consumption, waste management and the field “from the waste to resources”. This **main idea is delivered at meetings, events and in the website through dissemination material, such as, flyers, posters or newsletters.**

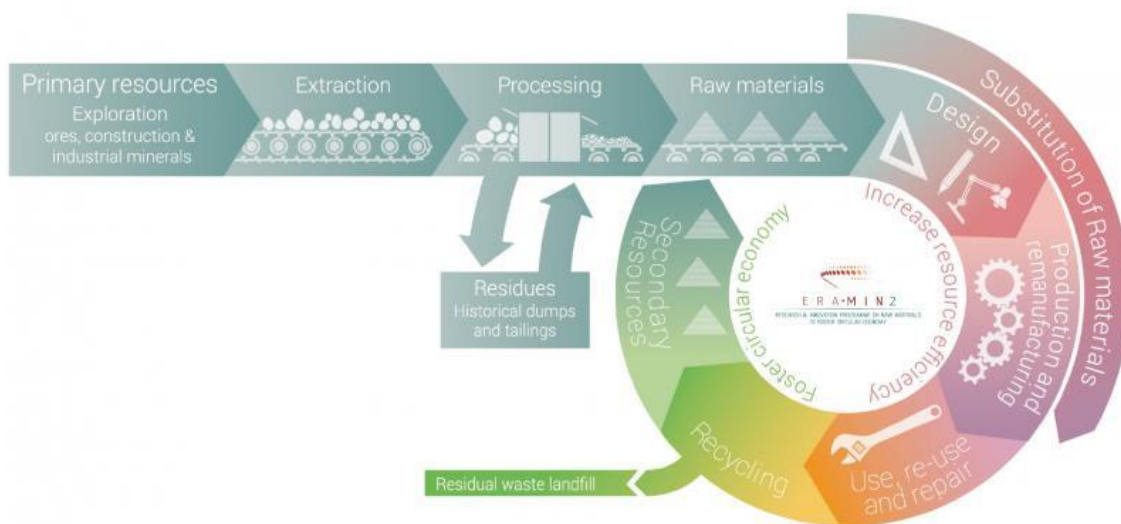


FIGURE 2.- ERA-MIN 2 PRIORITIES IN CIRCULAR ECONOMY

The establishment of the scope of a call was agreed by the CSC. Advisory Board advice and national/regional priorities of the partners were taken into consideration. The scope covers the call topics description and the expected impact. Regarding dissemination and exploitation areas, most of the processes at this stage are handled by the consortium as

part of the internal sharing and exploitation. Pre- and announcement and promotion of a call is then carried out.

Different channels are used in this environment: events, webinars/seminars, meetings with National Contact Points (NCP), partner networking and partner websites and ERA-MIN 2 website. The main idea is to use different fora to reach stakeholders at regional, national and international level. A great effort in dissemination was made at this stage to raise awareness among potential applicants to open joint transnational calls (Appendix I). Firstly, specific content is created on the website. Secondly, partners prepare and present the call in meetings, events, webinars/seminars. Created resources are then allocated in the website or even in external platforms like YouTube.

Figure 3 present examples of announcement and promotion of calls by dissemination in different areas of the website (calls area and publications area).

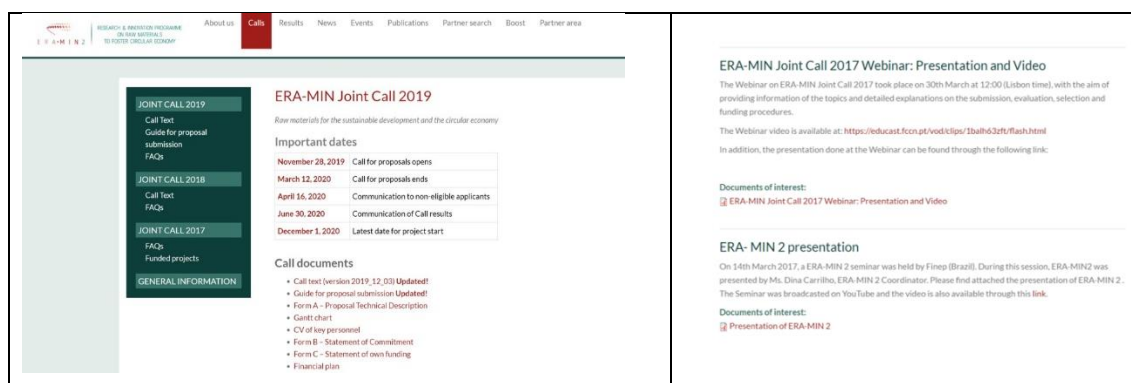


FIGURE 3.- A) ANNOUNCEMENT IN WEBSITE, B) RESOURCES FROM DISSEMINATION

Call area on ERA-MIN 2 website is the main source of information regarding call pre- and announcement as well as publication of call documents and access to online proposal submission. It has been designed to give a complete information on Joint Call, namely, provide participants access to:

- Call calendar
- Call documents
- Call scope and topics
- Partner search tools
- Participant countries and regions

Apart from this information, direct contact with partners contact points is always available for applicants to clarify issues on national/regional funding rules and regulations. The information about ERA-MIN 2 partners and contact persons can be found in the “about us” tab.

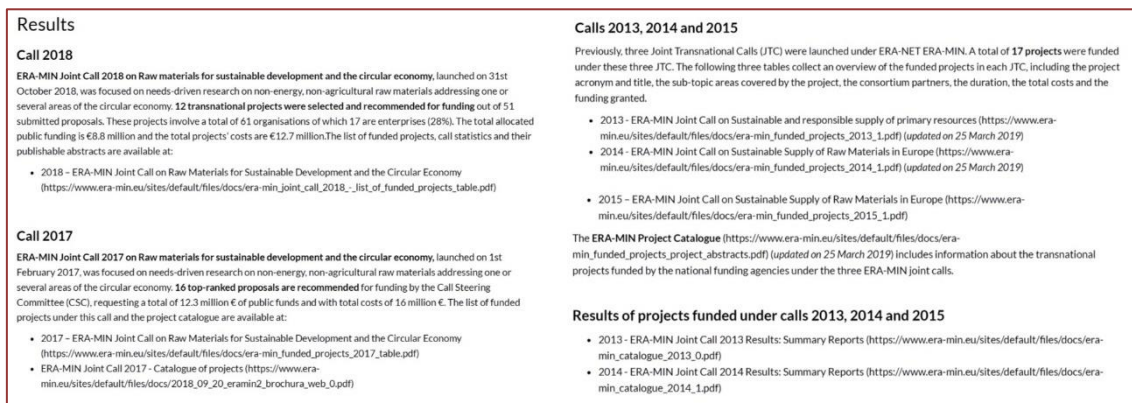
3.2.2. Call monitoring and assessment

Regarding dissemination, exploitation and impact, call monitoring and assessment processes cover from the beginning of a project until the end and further. In this environment, the information obtained from monitoring is used to disseminate ERA-MIN complete project portfolio. Indeed, Final reports of the ERA-MIN R&I projects funded by the previous ERA-MIN project (2011-2015) are disseminated within ERA-MIN 2 and this information can be exploited.

Main sources of call monitoring are: i) monitoring each 6 months of funded projects; ii) annual project reports, iii) presentations made by project coordinators at the Mid-term Seminar (Appendix II) and iv) a future Final Conference. These dissemination events intended to improve ERA-MIN 2 impact because they are open to all partners of ERA-MIN 2, CSC and invited stakeholders. These events also promoted networking between funded projects from which synergies and complementarities could be explored in future research projects or end-users.

A wider dissemination is implemented by partners in relevant fora (Appendix III). The website has an area intended to compile all the projects' results. It is the core of ERA-MIN 2 outcomes dissemination.

From the beginning of the project the following project results have being generated and are available at Results area on the website (Figure 4).



The screenshot shows the 'Results' section of the ERA-MIN 2 website. It is divided into two columns. The left column contains information about 'Call 2018' and 'Call 2017', including details on funding, project selection, and links to project lists. The right column contains information about 'Calls 2013, 2014 and 2015', including a list of funded projects with links to summary reports and a 'Results of projects funded under calls 2013, 2014 and 2015' section with links to project catalogues.

FIGURE 4.- RESULTS ON WEBSITE

The project's results and call statistics have been disseminated to larger audience through ERA-MIN 2 newsletters.

The final reports of projects funded through ERA-MIN Joint Call 2015 will be published from March 2020 since a few projects have only ended in December 2019.

Finally, it is important to remark that lessons learnt in calls are compiled and analysed and then used for improvement of new calls. These lessons are included in the partner area for consortium use.

3.3. General picture of dissemination actions

All the partners are intended to work on dissemination actions. ERA-MIN 2 partners have done a great effort regarding dissemination. Compiled actions can be seen in Appendix III. These actions are mainly related to previous section but not only.

As presented in previous sections, website take advantage of partners contribution and ERA-MIN 2 work packages implementation. In this sense, the website is a tool to improve impact. The website reinforces communication and dissemination by adding information of interest to improve impact. Tabs “News”, “Events” and “Publications” cover this objective.

Inputs for “News” and “Events” sections are provided by all the partners and project coordinators. “News” section is updated very often and include references directly related to ERA-MIN 2 or its projects as well as other news of interest for the raw materials research community (Figure 5). “Events” area disseminate conferences, matchmaking events, Infodays and other raw materials related events and activities of which some are from other EU raw materials projects such as SCREEN or PROMETIA.



FIGURE 5.- NEWS AND EVENTS TAB CONTENT. AN EXAMPLE.

“Publications” area is divided in specific sections related to ERA-MIN 2 specific implementation and deeply connected with ERA-MIN 2 project context, namely, public deliverables, promotional materials and newsletters and also another section for documents related to raw materials policy, research and innovation published by EC and other EU projects. (Figure 6). A complete summary of publications content is included in Appendix IV.



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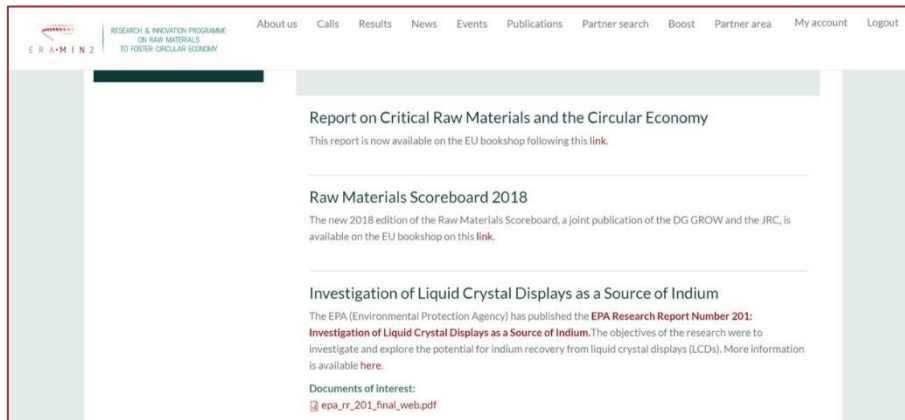


FIGURE 6.- PUBLICATION CONTENT EXAMPLE

A great deal of ERA-MIN2 dissemination actions have been carried out and are compiled (Appendix III).

4. Outputs of dissemination and exploitation actions

In order to measure dissemination and exploitation data, an analysis of website access has been carried out. Figures 7 provides an overview of the website access.

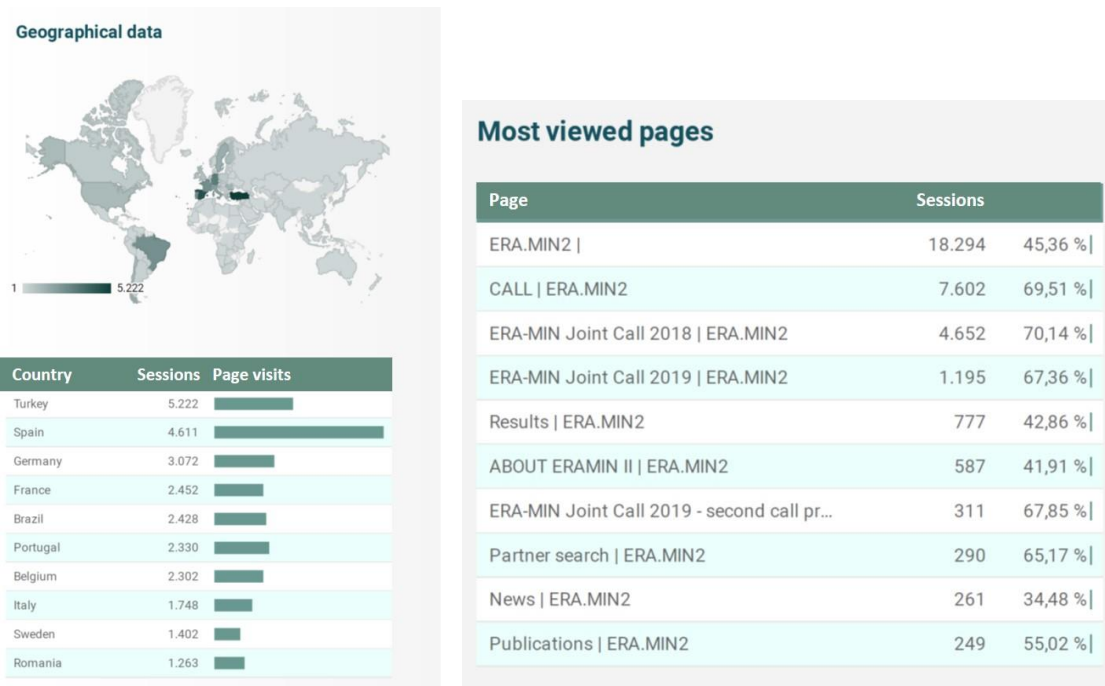


FIGURE 7.- A) GEOGRAPHICAL DATA , B) MOST VIEWED PAGES



Regarding social networks (Twitter and LinkedIn), figures 8 and 9 showed the main results indicators about (followers, posts/articles, retweets, views and likes, etc.).

LinkedIn overview

Article views vs Post views:



Articles & activity: About the impact of LinkedIn activities, ERA MIN 2 has an average of 100-150 views of our publications, and about 19-20 likes in each posts/articles. Every week, ERA MIN 2 use to publish news/events, 4 per month.

LinkedIn account has 570 followers (Figure 8).

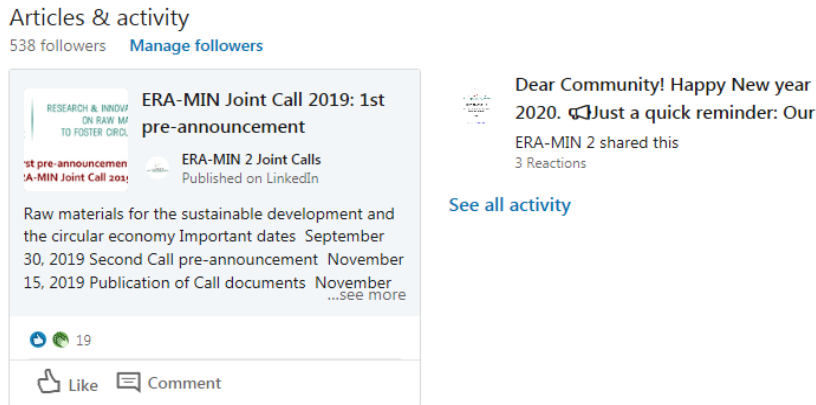
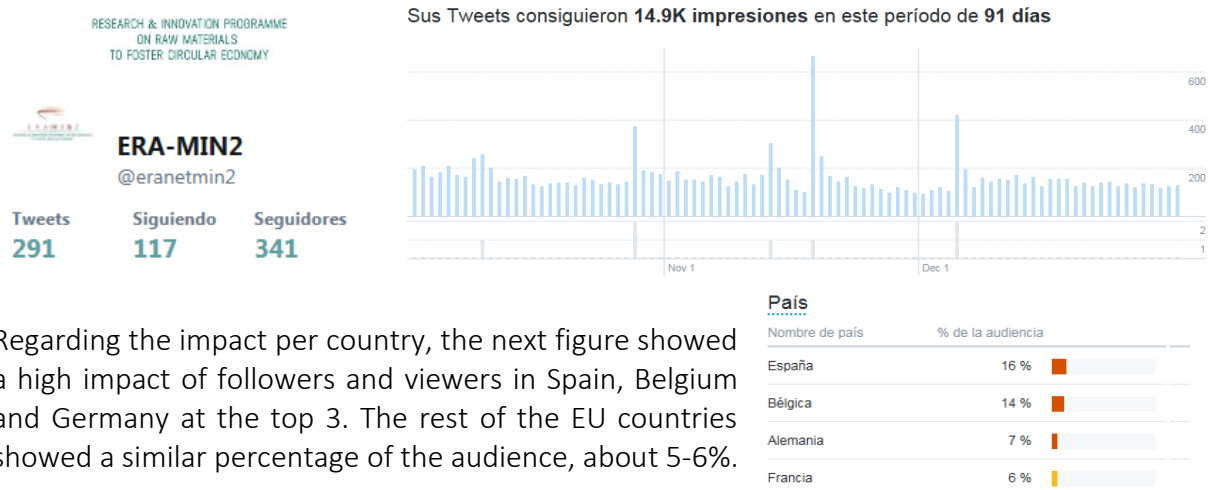


FIGURE 8.- LINKEDIN INDICATORS

Twitter overview

ERA-MIN2 has published 291 Tweets, having gotten more than 14.9K impressions in a period of 91 days (3 months approximately), and an average of 164 impressions per day during the last 3 months.

Twitter account has 341 followers, increasing every day.



Regarding the impact per country, the next figure showed a high impact of followers and viewers in Spain, Belgium and Germany at the top 3. The rest of the EU countries showed a similar percentage of the audience, about 5-6%.

Figure 9 shows the interaction rate of each tweet and post, in which the most relevant were those regarding information of the call, the announcement and the results of each phase.

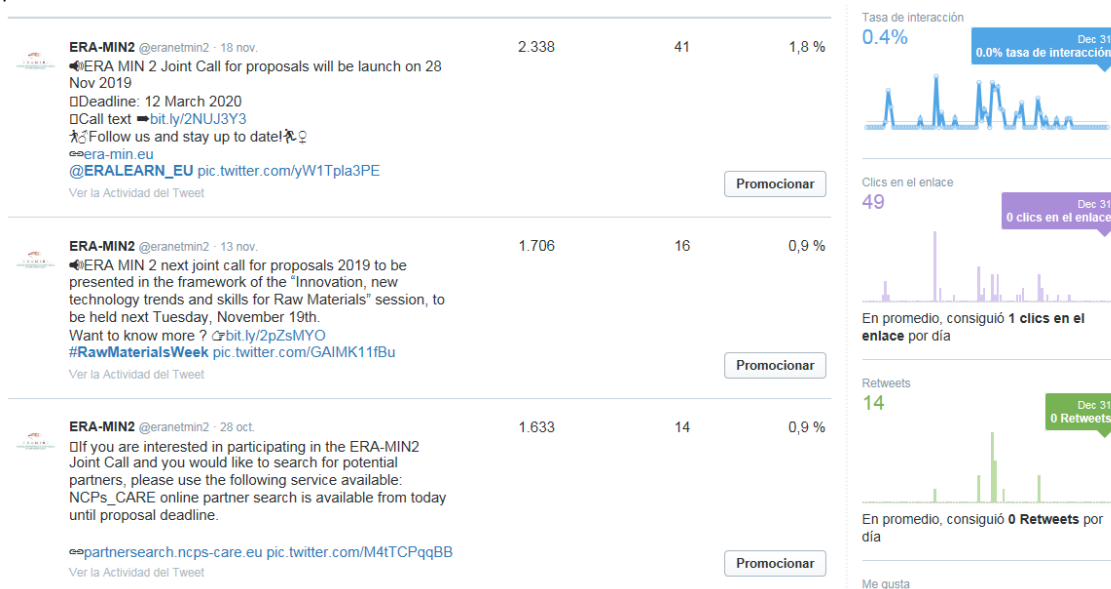


FIGURE 9.- TWITTER INDICATORS

The interim outputs are summarised in table below.

Communication Channel	Knowledge Performance Indicators KPI's	Interim Outputs								
Website	<ol style="list-style-type: none"> Number of visitors Geographical breakdown of visitors New visitors/Returning visitors Most visited pages 	<ol style="list-style-type: none"> 21.035 See figure 7a (Spain, Turkey and Germany as a top 3 countries) 20.078 See figure 7b (home page and call) 								
Boost	<ol style="list-style-type: none"> Number of comments 	<ol style="list-style-type: none"> Just 7 comments (3 per year) 								
Social Network (Twitter and LinkedIn)	<ol style="list-style-type: none"> Number of followers/ members Number of posts/ articles Retweets & Favourites / Views & Likes 	<table border="1"> <thead> <tr> <th>LinkedIn</th> <th>Twitter</th> </tr> </thead> <tbody> <tr> <td>570</td> <td>341</td> </tr> <tr> <td>5 articles / 38 posts</td> <td>291</td> </tr> <tr> <td>19/20 per post</td> <td>11 likes & 9 retweets</td> </tr> </tbody> </table>	LinkedIn	Twitter	570	341	5 articles / 38 posts	291	19/20 per post	11 likes & 9 retweets
LinkedIn	Twitter									
570	341									
5 articles / 38 posts	291									
19/20 per post	11 likes & 9 retweets									
Results of the funded projects	<ol style="list-style-type: none"> Number of visits of the Results section 	<ol style="list-style-type: none"> 30.5 visits/month on average and 366 visits in the last year 2019 								
Participation to meetings/events at international level	<ol style="list-style-type: none"> Number of events Geographical distribution Number of oral presentations 	<ol style="list-style-type: none"> 71 events have been attended All over the World (see appendix)III 61 presentations have been made by ERA-MIN 2 partners 								

5. Conclusions

Communication and dissemination activities cover the objectives identified in the Communication and Dissemination Plan. All project's partners have contributed to leverage their national and regional networks. Apart from that, the partners appointed to have reached the corresponding target groups: i) other partners, ii) ERA-MIN 2 Observers, iii) key networks and iv) research sectors.

Regarding internal communication, the partner area has been created in the website, meetings have been periodically organised some of them face-to-face meetings arranged to coincide with events in the area.

External communication is continuously supported by the public area of the ERA-MIN 2 website (www.era-min.eu). The following sections have been created for this purpose: news, results, calls and events. The website is systematically updated in close cooperation with partners. Social media channels have been created (twitter and LinkedIn) to extend the scope of communication and dissemination.

The results area is a comprehensive portfolio of ERA-MIN 2 outcomes mainly focused on projects outcomes but covering other issues around the projects too, such as, statistics, topics, project budget, and countries involved, period of execution, etc.

The section "Boost" provides the stakeholders with an open space for comments.

Cooperation with other initiatives and projects is key for communication and dissemination. Direct contacts and participation in events organized by other initiatives and projects are part of ERA-MIN 2 core activities.



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Appendix I – Dissemination actions for announcement and promotion of calls

External communication actions				
Title	Date	Communication tool	Partner	Link
Call 2017 promotion mailing	Dec 16 - Mar 15	Mail	FWO	
Call 2017 pre-announcement	dec 16	Website	FWO	http://www.fwo.be/nl/mandaten-financiering/europese-programmas/era-net/oproepen/aankondiging-era-min-2-cofund-jtc-2017/
Call 2018 promotion mailing	Oct-Nov 2018	Mail	FWO	
Call 2018 pre-announcement	nov-18	Website	FWO	https://www.fwo.be/en/fellowships-funding/european-programmes/era-net/
Call 2017 announcement	feb-17	Website	AEI	http://www.idi.mineco.gob.es/portal/site/MICINN/menuitem.edc7f2029a2be27d7010721001432ea0/?vgnextoid=256143b0c4d1a510VgnVCM1000001d04140aRCRD&vgnnextchannel=c7fd8357ad4cb210VgnVCM1000001a04140aRCRD
Call 2017 announcement	feb-17	Website	AEI	https://eshorizonte2020.es/mas-europa/grandes-iniciativas/era-nets/noticias/convocatoria-de-proyectos-transnacionales-con-participacion-del-ministerio-de-economia-industria-y-competitividad-en-el-marco-de-la-era-net-cofund-era-min2
Call 2017 promotion mailing	feb-17	Mail	AEI	
Call 2017 announcement		Website	MIUR	http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/era-min-2.aspx
Call 2017 announcement	Feb-May 17	Website	ICE	http://www.empresas.jcyl.es/web/jcyl/Empresas/es/Plantilla100/1284705012148/_/_/_
Call 2017 announcement	feb-17	Website	CDTI	https://www.cdti.es/index.asp?MP=101&MS=831&MN=2&TR=C&IDR=2540
Call 2017 announcement	feb-17	Website	FCT	
Call 2017 announcement	feb-17	Website	NCBR	https://www.ncbr.gov.pl/programy/programy-miedzynarodowe/wspolpraca-wielostronna/inicjatywy-typu-era-net/era-net/technology/era-min-2/aktualnosci/aktualnosci-szczegoly/news/era-min-2-otwarciem-naboru-wnioskow-w-1-konkursie-40321/
Call 2017 announcement	feb-17	Website	FCT	https://www.fct.pt/apoios/cooptrans/eranets/eramin2/index.phtml.en





External communication actions				
Title	Date	Communication tool	Partner	Link
Webinar Call 2017 - Announcement	mar-17	Website	ICE	
Webinar Call 2017	mar-17	Website	FCT	https://educast.fccn.pt/vod/clips/1balh63zft/flash.html
Call 2017 announcement	mar-17	Website	MINCYT	http://www.mincyt.gov.ar/convocatoria/materias-primas-para-desarrollo-sustentable-era-min-2-12630
Call 2017 announcement	mar-17	Twitter	MINCYT	https://twitter.com/min_ciencia
Call 2017 promotion mailing	Mar - Apr 17	Mail	MINCYT	
Call 2017 promotion mailing	mar-17	Mail	MINCYT	
Call 2017 announcement	mar-17	Linkedin	Finep	http://www.finep.gov.br/noticias/todas-noticias/5393-finep-lanca-chamada-publica-conjunta-do-consorcio-era-min-2
Call 2017 announcement		Website	Vinnova	https://www.vinnova.se/m/horisont-2020/partnerskapsprogram/era-min2/
Call 2017 promotion mailing		Mail	Vinnova	
Call 2017 announcement	apr 17	Website	CONICYT	www.conicyt.cl/pci/2017/04/concurso-para-proyectos-eramin2-de-investigacion-conjunta-convocatoria-2017
Call 2017 announcement	apr 17	Website	CONICYT	
Call 2017 promotion of the results	dec 17	Website	MIUR	http://www.ricercainternazionale.miur.it/era/eranet-cofund-(h2020)/era-min-2.aspx
Call 2018 pre-announcement		Website	ANR	http://www.agence-nationale-recherche.fr/en/information/news/single/pre-announcement-opening-soon-an-international-call-for-projects-in-the-domain-of-non-agricultural-non-energy-raw-materials/
Call 2018 pre-announcement	oct-18	Website	FRQNT	http://www.frqnt.gouv.qc.ca/espace-presse/nouvelles-et-communiqués/nouvelle/preannonce--appel-conjoint-2018-d-era-min-0iefneyw1540402831708
Call 2018 pre-announcement	jul-18	Website	AEI	https://eshorizonte2020.es/mas-europa/grandes-iniciativas/era-nets/noticias/pre-anuncio-de-la-convocatoria-de-proyectos-transnacionales-con-participacion-de-la-aei-en-el-marco-de-la-era-net-cofund-era-min-2 http://www.aei.gob.es/portal/site/MICINN/menuitem.edc7f2029a2be27d7010721001432ea0/?vgnextoid=998b008290cd4610VgnVCM1000001d04140aRCRD&vgnnextchannel=878dfb7e04195510VgnVCM100001d04140aRCRD





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External communication actions				
Title	Date	Communication tool	Partner	Link
Call announcement	2018 nov-18	Website	NCBR	https://www.ncbr.gov.pl/programy/programy-miedzynarodowe/wspolpraca-wielostronna/inicjatywy-typu-era-net/era-net/technology/era-min-2/aktualnosci/aktualnosci-szczegoly/news/uruchomienie-2-konkursu-era-min-2-53075/
Call announcement	2018 nov-18	Website	AEI	http://www.aei.gob.es/portal/site/MICINN/menuitem.edc7f2029a2be27d7010721001432ea0/?vgnnextoid=1bf8f34f9c9e6610VgnVCM1000001d04140aRCRD&vgnnextchannel=878dfb7e04195510VgnVCM1000001d04140aRCRD https://eshorizonte2020.es/mas-europa/grandes-iniciativas/era-nets/noticias/convocatoria-de-proyectos-transnacionales-con-participacion-de-la-aei-en-el-marco-de-la-era-net-cofund-era-min-2
Call announcement	2018	Website	FCT	https://www.resourceefficient.eu/en/news/apply-until-january-31-2019-funding-ri-raw-materials-foster-circular-economy http://eco.nomia.pt/pt/oportunidades/era-min-2
Call announcement	2018	Other	VLAIO	
Call announcement	2018	Website	Finep	http://www.finep.gov.br/noticias/todas-noticias/5816-finep-lanca-segunda-chamada-publica-conjunta-do-consorcio-era-min-2 http://www.mctic.gov.br/mctic/opencms/salalmprensa/noticias/arquivos/2018/12/Finep_lanca_chamada_de_15_milhoes_de_euros_para_financiar_inovacao_na_area_mineral.html http://pesquisaparinovacao.fapesp.br/finep_lanca_chamada_de_15_milhoes_para_financiar_inovacao_na_area_mineral/894 http://brasil.abgi-group.com/radar-inovacao/publicada-nova-chamada-do-consorcio-era-min-2/ http://www.cetem.gov.br/iiisbtr?id=1040 http://abes-dn.org.br/?p=22305 https://ufop.br/noticias/oportunidades/finep-lanca-segunda-chamada-publica-conjunta-do-consorcio-era-min-2 http://www.ufcg.edu.br/prt_ufcg/assessoria_imprensa/mostra_noticia.php?codigo=21599 https://incubadorainpa.me/component/content/article/8-radar/9-finep-lanca-segunda-chamada-publica-conjunta-era-min-2?Itemid=101 http://www.brasilcti.com.br/financiamento/finep-lanca-chamada-de-e-15-milhoes-para-financiar-inovacao-na-area-mineral/
Call announcement	2018 oct-18	Website	FCT	https://www.fct.pt/apoios/cooptrans/eranets/eramin2/index.phtml.en
Call promotion mailing list	2018	Mail	Business Finland	





External communication actions					
Title	Date	Communication tool	Partner	Link	
Call announcement	2018	Press	NCBR		
Call announcement	2018	nov-18	Website	TUBITAK	Özveğin University website
Call announcement	2018	oct-18	Website	CONICYT	https://www.conicyt.cl/pci/2018/12/concurso-para-proyectos-eramin2-de-investigacion-conjunta-convocatoria-2018/
Call announcement	2018	oct-18	Press	CONICYT	
Call announcement	2018	oct-18	Website	FRQNT	http://www.frqnt.gouv.qc.ca/en/espace-presse/nouvelles-et-communiqués/nouvelle/pre-announcement--era-min-joint-call-2018-Oiefneyw1540402831708
Call announcement	2018		Mail	FRQNT	
Call announcement	2018		Website	GSI	
Call announcement	2018		Mail	GSI	
Call announcement	2018	nov-18	Website	Vinnova	https://www.sipstrim.se/news/era-min-joint-call-2018-raw-materials-for-the-sustainable-development-and-the-circular-economy/
Call 2018 promotion mailing list		mail	Vinnova		
Call announcement	2018	01/11/2018	Website	ICE	https://empresas.jcyl.es/web/jcyl/Empresas/es/Plan-tilla100/1284705012148/_/_/
Call pre-announcement	2019	01/07/2019	LinkedIn	AEI	https://www.linkedin.com/pulse/era-min-joint-call-2019-1st-pre-announcement-era-min-2-joint-calls?articleId=6551354161378672641#comments-6551354161378672641&trk=public_profile_article_view
Call pre-announcement	2019	10/07/2019	Website	FCT	http://www.ncps-care.eu/?p=3696
Call 2019 promotion		16-17/09/2019	Other	FCT	https://h2020-sc5-info-day.b2match.io/
Call announcement	2019	01/11/2019	Website	FCT	https://www.era-learn.eu/network-information/networks/era-min-2/era-min-joint-call-2019
Call 2019 promotion		19/11/2019	Other	FCT	https://www.eurawmaterialsweek.eu/event/pages/programme
Call announcement	2019	01/11/2019	Website	FCT	https://www.era-learn.eu/network-information/networks/era-min-2/era-min-joint-call-2019



Appendix II – Mid-Term Seminar Report



ERA-MIN 2

RESEARCH & INNOVATION PROGRAMME ON RAW MATERIALS
TO FOSTER CIRCULAR ECONOMY

Mid-term seminar with the 16 projects supported by the EU co-funded ERA-MIN Joint Call 2017 18 November 2019, Brussels

Meeting report

Context

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).

The **ERA-MIN Joint Call 2017** was successfully launched in a 2-step submission procedure with a provisional call budget of € 15 million (including European Union contribution) and the participation of 17 countries: Argentina, Belgium/Flanders, Brazil, Chile, Finland, France, Germany, Ireland, Italy, Poland, Portugal, Romania, Slovenia, Spain, Sweden, South Africa, Turkey. Out of the 94 pre-proposals submitted, 16 projects were funded. The procedure for reporting and monitoring includes two meetings with all projects: mid and final seminars.

At the level of ERA-MIN2, for each of the funded projects, one project officer (PO) was appointed from the funding agency of the project coordinator. S/he is responsible with:

- obtaining information on the short term implementation of the project;
- assuring the link of the project's implementation and the ERA-MIN2 consortium;
- providing support when needed, in terms of difficulties (deviations, delays etc.).



Project officers were present during the seminar with the objective of clarifying any issue resulting from the mid-term presentations; project officers had access, prior to the meeting, to the annual reports and 1st (6 months) and 2nd status (18th months) reports.

For the mid-term seminar, ERA-MIN2 also invited the project officer from the EC (Mr. Jonas Hedberg) and the Chairperson of the Scientific Evaluation Board (Mr. Patrice Christmann) in order to keep track with the development of the projects.

The mid-term meeting was held at Hotel le Plaza, in Brussels, on 18th November 2019 with the following objectives:

- take stock of the progress of the projects at the middle of their lifetime;
- provide help by answering questions from project coordinators;
- help the projects to optimally use the second half of their lifetime;
- provide an opportunity for projects to find synergies and create networks.

Each project coordinator (PC) was invited to present orally the project. For good presentations of projects, they were grouped in the four main call topics:

1. Supply of raw materials from exploration and mining
2. Design
3. Processing, Production and Remanufacturing
4. Recycling of End-of-Life products.

Even though in the agenda there was a “Questions & Answers” session after all presentations have concluded, for better results, projects coordinators were asked questions right after having done the presentations. This helped both the projects coordinators and stakeholders that asked questions.

Opening session

Dina Carrilho (FCT) welcomed everybody to the meeting and thanked them for their participation. Nicoleta Dumitrache (UEFISCDI) opened the seminar with a presentation on Call 2017, objectives of ERA-MIN2 and the objectives of the mid-term seminar.

Projects are presented by coordinators.

Conclusions

Dina Carrilho (FCT) thanked all participants, in particular, the project coordinators for their presentations. She expressed her gratitude for having all the 16 projects represented, giving this way opportunities for synergies and networking between the projects and exchange of information with the funding agencies. She also pointed out that:

- Funding agencies and the Call Secretariat are available to be contacted in case of needed support;

- ERA-MIN2 website and Twitter can also be of help in promoting results/conferences/other information regarding the implementation of the projects;
- In the case project extensions are needed, the PC provides the justification to the Call Secretariat who asks the approval of the funding agencies involved and the Call Steering Committee (CSC);
- The publishable summaries of the 16 projects are presented in a Catalogue which pdf format is available on the ERA-MIN 2 website;
- Publishable summaries of the first annual project reports will be uploaded on the ERA-MIN2 site.

This report shows that in terms of common topics addressed, projects LIGHTS, Li+Water and RECEOL are all covering battery related topics. BIOMIMIC and FLOW focus on fly ash whereas BASH-TREAT and INSTANT focus on bottom ash. Synergies were found between METRECYCLE and MAXYCLE. Both projects MetRecycle and FLOW are contributing for the Strategic Research and Innovation Partnership – Networks for the transition into circular economy (SRIP – Circular economy) in Slovenia.

Appendix III – Dissemination actions

Dissemination actions				
Date	Location (city/country)	Name	Partners involved	ERA-MIN 2 contribution
2016-01-26	Brussels	Veram kick-off meeting	JUELICH	
2016-04-25 and 26	Santiago do Chile	EU-Latin America Dialogue on Raw Materials: enhancing the co-operation included in EXPOMIN 2016	FCT	Presentation
2016-06-28 and 29	Brussels	Workshop “Exchange of best practices on mining policies and technologies: challenges in the current state of the global economy”		Poster
2016-09-28 and 29	Berlin	Implementing ERA-NET Cofunds – ERA-LEARN workshop	JUELICH, CONICYT	
2016-10-06	Sweden	ERA-MIN Project Seminar	FCT, Vinnova, MIUR, CDTI, AEI, Tekes, etc	Presentation
2016-10-19	Antwerp	Veram Stakeholder Workshop	JUELICH	Presentation



Dissemination actions				
Date	Location (city/country)	Name	Partners involved	ERA-MIN 2 contribution
2016-10-26	Stockholm	Workshop with the coordinators of the 17 ERA-MIN funded projects	FCT, Vinnova, MIUR, CDTI, AEI, Tekes, etc	Presentation
2016-10-27	Burgos	High Level Conference: European Regions in the CRM strategy and the CE Policy	ICE	
2016-11-29	Brussels	6th EU-US-Japan Trilateral Conference on Critical Raw Materials	FCT, TUBITAK	Poster
2016-11-29	Brussels	Workshop FORAM "Towards a World Forum on Raw Materials"	FCT	
2016-11-29	Brussels	ETP-SMR, 8th General meeting	FCT	Presentation
2016-11-30	Brussels	"Horizon 2020, EIT Raw Materials and ERA-MIN 2 Information and Brokerage event"	FCT, CONICYT, TUBITAK, AEI	Presentation
2016-11-30	Brussels	EGS Workshop	GSI, AEI	Presentation
2016-12-01	Brussels	4th Annual High Level Conference of the European Innovation Partnership (EIP) on Raw Materials	AEI, FCT, TUBITAK, MINECO, JUELICH, ADEME, CONICYT	Leaflets and poster
2016-12-01	Brussels	ERA-MIN2 Launch event for stakeholders	FCT, TUBITAK, GSI, MINECO AEI, JUELICH, ADEME, CONICYT, CDTI, ADE, Vinnova, DST, ANR, MIZS	Presentation; Flyers; Roll up
2016-12-08	Tokyo	12th ADEME-NEDO Joint Workshop	ADEME	Presentation
2016-12-14	Berlin	PROMETIA's third Scientific Seminar	JUELICH	Presentation
2016-12-20	Madrid	Informative workshop on ERANET COFUND	CDTI, ISCIII, AEI	Presentation
2017-02-02	Brussels	VIII Joint Steering Committee Meeting of the Bilateral Agreement on Science and Technology between the European Union and Chile	CONICYT	





Dissemination actions				
Date	Location (city/country)	Name	Partners involved	ERA-MIN 2 contribution
2017-02-14	Kiev	Romanian experience with PPP, JTI and JPI	UEFISCDI	Presentation
2017-03-01	Llaneras	Informative workshop on ERANET COFUND ERAMIN2	CDTI, IDEPA	Presentation
2017-03-02	Lille	Congress on recycling of strategic metals	ADEME	Presentation
2017-03-03	Paris	Infoday on raw materials organised by Ministry for Research	ADEME, ANR	Presentation
2017-03-06	Berlin	Berlin Conference on Recycling and Raw Materials	JUELICH	Presentation
2017-03-08	Oslo	Working meeting – Stakeholders consultation	UEFISCDI	Presentation
2017-03-09 and 10	Brussels	Circular Economy Stakeholder Conference	AEI	Leaflets
2017-03-10	Brussels	REFRAM Final Conference (European Project on refractory metals)	ADEME	Presentation
2017-03-14	León	Convocatoria Era-Min2: Oportunidades De Colaboración Internacional En Torno A Las Materias Primas No Energéticas Y No Agrícolas, Y Su Ciclo De Vida	ICE	Presentation
2017-03-14	Rio de Janeiro	“Chamada publica conjunta ERA-MIN 2017 – Matérias-primas para o Desenvolvimento Sustentável e Economia Circular”	FCT, Finep	Presentation
2017-03-14	Brussels	VI EU-CELAC Joint Initiative on Research and Innovation (JIRI)	CONICYT	
2017-03-29	Bucharest	UEFISCDI presentation to SNSF members	UEFISCDI	Presentation
2017-04-03	Renningen	Final meeting of a German-French project at the Bosch Research Centre. Participants represented German and French companies (BASF, Bosch, Veolia) and research centres (Fraunhofer, CEA).	JUELICH	Presentation
2017-05-08 and 09	Buenos Aires	EU-Latin America Dialogue on Raw Materials: consolidating the co-operation’ conference	MINCYT	Presentation
2017-06-06	Valladolid	GESTIDI Course 2017 (Education and Training for R&D Managers)	ICE	Presentation
2017-06-13	Brussels	Veram Workshop "Europe 2050 - Preparing a Research & Innovation Roadmap for Raw Materials"	JUELICH	Presentation
2017-06-28 and 29	Brussels	SCREEN Expert Group workshop on CRM ‘Resources’ issues - and SCREEN	JUELICH	Presentation





Dissemination actions				
Date	Location (city/country)	Name	Partners involved	ERA-MIN 2 contribution
		clustering event with Horizon 2020-projects		
2017-09-21 and 22	Berlin	Implementing an ERA-NET Cofund – ERA-LEARN Workshop	JUELICH, CONICYT	
2017-09-29	Brussels	EIP on Raw Materials Sherpa meeting	FCT	
2017-10-24	Bucharest	ACT 2nd knowledge sharing workshop	UEFISCDI	Presentation
2017-10-27	Paris	Infoday on raw materials organised by Ministry for Research	ADEME, ANR	Presentation
2017-10-31	Lisbon	EIT Raw Materials Promotion Event	FCT	
2017-10-31	Lisbon	HORIZON 2020 Portuguese Raw Materials InfoDay	FCT	Presentation
2017-11-8 and 9	Brussels	Raw Materials Week 2017: 5th Annual High Level Conference of the EIP on Raw Materials	FCT, AEI, ADEME, ANR, GSI, JUELICH, TUBITAK	Leaflets and poster
2017-11-09	Brussels	Raw Materials Week 2017: H2020-Societal Challenge 5 Infoday	FCT	Presentation
2017-11-16	Valladolid	H2020-Societal Challenge 5 Regional Infoday	ICE	Presentation
2017-11-16	Bucharest	Romanian Research Landscape	UEFISCDI	Presentation
2017-12-01	Brussels	EIP Raw Materials HLSG meeting	FCT	
2017-12-11	Bucharest	Research for society: tradition, innovation, opportunities	UEFISCDI	Presentation
2017-12-22	Valladolid	REMIX Interreg Europe Project-Stakeholder Meeting	ICE	Presentation
2018-03-4 and 7	Toronto	2018 PDAC Convention	FCT	Presentation
2018-03-21	Valladolid	Smart & Green Mining Regions of EU Conference	ICE	Presentation
2018-03-26 and 27	Sao Paulo	2nd INCOBRA Scoping Workshop	FCT	Presentation
2018-04-11	Madrid	METS 2018	AEI	Presentation
2018-04-16		ETP-SMR General meeting	FCT	Presentation
2018-05-14 and 15	Ispra	II International Workshop on the EU Raw Materials Information System	FCT	Presentation
2018-07-25	Bloemfontein	Horizon 2020 Information Session carried out under the SA-EU ESASTAP programme	DST	Presentation
2018-08-08	Kimberley	Horizon 2020 Information Session carried out under the SA-EU ESASTAP programme	DST	Presentation
2018-07	Lisbon	Ciência 2018	FCT	Leaflets





Dissemination actions				
Date	Location (city/country)	Name	Partners involved	ERA-MIN 2 contribution
2018-07-11	Madrid	MATERPLAT General Assembly	AEI	Presentation
2018-09-11 and 12	Brussels	Horizon 2020 Environment and resources Information Days - SC5 Calls 2019	FCT	Presentation
2018-09-18 and 20		National Ploughing Championships	GSI	
2018-09-24 and 25	Berlin	Implementing an ERA-NET Cofund – ERA-LEARN Workshop	FCT, AEI	Leaflets and networking
2018-09-27	Luleå	SIP STRIM Programme day	Vinnova	Presentation
2018-09-28	Paris	ERA-MIN Brokerage event	ADEME, ANR	Presentation
2018-09-28	Dublin	GSI European Researchers' night	GSI	
2018-10-11	Johannesburg	ESASTAP 2020: Horizon 2020 Information Sharing Session on Funding Opportunities	DST	Presentation
2018-10-15	Berlin	EIT RawMaterials Brokerage Event	JUELICH	Presentation
2018-10-23	Madrid	BIOPLAT meeting	AEI	Presentation
2018-10-25	Madrid	MATERPLAT General Assembly	AEI	Presentation
2018-10-23 and 25	Antalya	International Mineral Processing Symposium	TUBITAK	Presentation and Leaflets
2018-10-29	Vienna	Advanced Materials and Related Technologies Governance From a Sector-based to a Problem-solving Oriented Programme	FCT	Presentation
2018-10-29		Infoday	Innoviris	Presentation
		Infoday	SPW-Wallonie	Presentation
2018-10-30 and 31	Vienna	Industrial Technologies Conference	FCT	Leaflets and networking
2018-11-06	Dublin Castle	Geoscience 2018 annual conference	GSI	
2018-11-08	Santiago	Horizon2020 infoday between EURAXESS and CONICYT	CONICYT	Presentation
2018-11-14	Pretoria	Horizon 2020 Information Session carried out under the SA-EU ESASTAP programme	DST	Presentation
2018-11-15	Cape Town	Horizon 2020 Information Session carried out under the SA-EU ESASTAP programme	DST	Presentation
2018-11-12 and 16	Brussels	Raw Materials Week 2018	FCT, ADEME, ANR, AEI, VINNOVA	Presentation, leaflets and poster





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Dissemination actions				
Date	Location (city/country)	Name	Partners involved	ERA-MIN 2 contribution
2018-11-15	Brussels	EU-Canada Raw Materials Stakeholders Forum Steering Committee first meeting	FCT	
2018-11-16	Brussels	EU-Canada Bilateral Dialogue on Raw Materials first meeting - Stakeholders session		
2018-11-19	Magdeburg	Information Event on recycling of wind power plants	JUELICH	
2018-11-21	Madrid	M-ERA.NET 2 SEG Workshop 2018	AEI	Presentation
2018-11-27 and 29	Berlin	European and National Resources Forum	JUELICH	Leaflets
2018-12-13 and 14	Berlin	PROMETIA 5th Scientific Seminar	JUELICH	Presentation
2018-12-19	Catanzaro	"Environment Innovation Cluster" kick off meeting	Regione Calabria	Presentation
	Australia	Workshop with METS	Vinnova	
2019-03-01 and 03	Dublin	Irish Geological Research meeting	GSI	
2019-05-20 and 23	Liubiana	Latin American and Caribbean Day	MISZ	Presentation
2019-03-01 and 03	Dublin	Irish Geological Research meeting	GSI	
12/03/2019	Berlin	Berlin Conference on Recycling and Raw Materials	JUELICH	Presentation
2019-04-28 and 30	Freiberg	EcoGAIN – CICERONE Clusterkonferenz "Mineralische Rohstoffe & Kreislaufwirtschaft"	JUELICH	Presentation
2019-05-08	Buenos Aires	Foro de Minería y Desarrollo Sostenible de las Américas	SGCTeIP	Leaflets and networking
2019-05-20 and 23	Liubiana	Latin American and Caribbean Day	MISZ	Presentation
2019-05-22	Berlin	In Deutschland erfolgreich – aber wie geht Europa? Informationen und Netzwerke zur EU-Projektförderung zu den Themen Rohstoffe und zirkuläre Wirtschaft	JUELICH	Presentation
2019-06-12 and 14	Bucharest	EuroNanoForum 2019	UEFISCDI	Presentation and Leaflets
2019-06-03 to 10	Buenos Aires	Horizon 2020 Information Sessions	SGCTeIP	Leaflets, presentation and networking
2019-06-18	Dresden	13. Sächsischer Rohstofftag,	JUELICH	Presentation
2019-11-18 to 19	Brussels	Raw Materials Week	FCT	Presentation
2020-03-03	Toronto	Worlds Premier Mineral Exploration and Mining Convention	FCT	Panelist




Appendix IV – Publications

The following communication material was produced and is available at the section “**Publications**” of the website in a dedicated page to ERA-MIN 2 publications:

- [D7.4 list funded projects call 2018 final](#)

The report contains the list of the 12 projects selected for funding under ERA-MIN Joint Call 2018 without EU co-funding. It includes the call statistics, data on each project and their publishable abstracts. [era-min 2 d7.4 list funded projects call 2018 final.pdf](#)

- [Newsletter July 2019](#)
The second issue presents the results of the ERA-MIN Joint Call 2018 and call statistics. Additionally it presents the pre-announcement of ERA-MIN Joint Call 2019 and future events. [newsletter_july_2019.pdf](#)
- [Newsletter April 2019](#)
The first issue presents the results of the ERA-MIN Joint Call 2017 and the results on the proposal submission of the ERA-MIN Joint Call 2018. Additionally it presents the final reports of the projects funded under ERA-MIN Joint Call 2013 and 2014 and future events. [newsletter_april_2019.pdf](#)
- [D7.3. Call 2018 Promotion Material](#)
This report contains the dissemination toolkit and the dissemination and promotion activities related to the Call 2018 carried out at international and national/regional. [d7.3_promotion_materials.pdf](#)
- [D6.1. Report on cooperation with EU initiatives and projects](#)
The work undertaken is contributing to strengthening ERA-MIN 2’s connections with external EU stakeholders and related initiatives, EU projects and platforms to promote synergies and avoid duplication of efforts.  [D6.1](#)
- [D7.2. Joint Call 2018 documents](#)
The two main documents are: i) “Call Text” that includes the call scope and topics, eligibility and evaluation criteria and the national/regional funding regulations, and ii) “Guide for proposal submission” to help applicants through the one-stage online proposal submission. [d7.2_joint_call_2018_documents.pdf](#)
- [ERA-MIN 2 flyer 2018](#)

The ERA-MIN 2 flyer 2018 showcases the overview of the ERA-MIN 2 project: activities, consortium composition, results of the Joint Call 2017 as well as the upcoming schedule of the Joint Call 2018. [ERA-MIN 2 flyer 2018](#)

- [ERA-MIN 2 flyer 2017](#)
The ERA-MIN 2 flyer 2017 showcases the overview of the ERA-MIN 2 project: activities, composition, first results of the cofunded call as well as the upcoming Schedule. [ERA-MIN 2 flyer 2017](#)
- [ERA-MIN Joint Call 2017: list of the Scientific Evaluation Board members](#)
A total of 61 independent international experts were selected for the evaluation process of the co-funded ERA-MIN Joint Call 2017. This report includes the briefing of the activities carried out for selecting the Scientific Evaluation Board (SEB) as well as the list of 26 independent international experts participating in the SEB at stage 1 evaluation, the list of 21 independent international experts participating in the SEB at stage 2 evaluation and the final list of 35 external reviewers involved in the remote scientific assessment of the proposals during stage 2. Statistics on the composition of the SEB are also presented.
[d3.1_list_of_scientific_evaluation_board_members.pdf](#)
- [ERA-MIN Joint Call 2017: Summary of the 16 funded projects](#)
This document includes the call statistics at pre- and full proposal stage, the data on each funded projects as well as the publishable abstracts. [d3.5_list_of_projects_selected_for_funding.pdf](#)
- [ERA-MIN Joint Call 2017 - The Projects' Abstracts](#)
The Projects' Abstracts presents the publishable abstracts of the 16 funded projects grouped by the main call topic. [era-min_funded_projects_2017_projects_abstracts.pdf](#)
- [ERA-MIN Joint Call 2017: funded projects statistics](#)
16 top-ranked proposals are recommended for funding by the Call Steering Committee (CSC), involving 88 applicants of which 34 enterprises (38.6%), requesting a total of 12.3 million € of public funds and with total costs of 16 million €. [era-min_call_2017_funded_projects_statistics_final.pdf](#)
- [ERA-MIN Joint Call 2017: list of projects after stage 2 and ranking list](#)
[d3.3_list_of_projects_after_stage_2_and_ranking_list.pdf](#)
- The [ERA-MIN 2 flyer](#) which showcases the overview of the **ERA-MIN 2** project: activities, composition, first results of the cofunded call as well as the upcoming schedule. [flyer_eramin_final.pdf](#)
- [ERA-MIN Joint Call 2017: full-proposal statistics:](#) [era-min_2_full-proposal_statistics_final.pdf](#)
- [ERA-MIN Joint Call 2017: pre-proposal statistics:](#) [era-min_2_pre-proposal_statistics_updated.pdf](#)
- [ERA-MIN Joint Call 2017 Webinar: Presentation and Video](#) [era-min_joint_call_2017_webinar_30032017.pdf](#)

A Webinar with the aim of providing information of the topics and detailed explanations on the submission, evaluation, selection and funding procedures. The Webinar video is available at: <https://educast.fccn.pt/vod/clips/1balh63zft/flash.html>



- ERA-MIN 2 presentation at Seminar organised by Finep (Brazil)

On 14th March 2017, **ERA-MIN 2** was presented by Ms. Dina Carrilho, ERA-MIN 2 Coordinator: [era-min2_workshop_finep_14march_2017.pdf](#). The Seminar was broadcasted on YouTube [link](#).



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- D5.1. ERA-MIN 2 website
 [d 5.1. project website established.pdf](#)
- D5.2. Communication and Dissemination Plan
 [d 5.2. communication and dissemination plan.pdf](#)

