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Final Plan for the use and dissemination of the results

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PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	X

CHANGE CONTROL

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Introduction

The purpose of this document is to describe the actual status of the consortium plans (roadmap) concerning the use and dissemination of the project results. The building of this roadmap is a flexible process involving all project partners also in the strategy planning. Two main target groups (industry and applied research) are addressed in REProMag. But other categories like investors, customers and policy makers, and the general public are also targets of the project. Therefore, different types of events and activities are included. Several tools and brochures for the target groups have been developed in two work packages (WP8 and WP9) with several outreach activities complementary to the dissemination and exploitation plan.

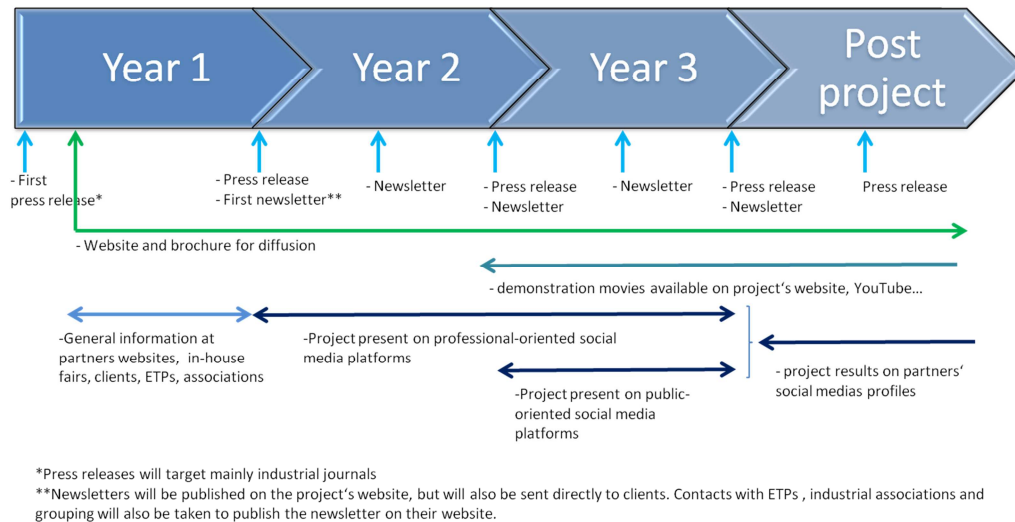
This report corresponds to an update of the Report D8.7 “Intermediate plan for the use and dissemination of the results” submitted in M19 by S2i and will describe the status at M36 of the strategies for communication, dissemination and exploitation after projects.

Deviations

Although the updated version of the Roadmap, based on partners feedbacks and results from exploitation seminars, already existed end of December 2017 in form of tables, the present report showing the current status and strategy was only submitted in February due to overload of activities for S2i at project end (final reporting). This has no impact on project as it is already closed.

1. Update of the Communication strategy

The figure below provides the current communication strategy followed by the project partners.



Communication roadmap showing the planning of partners' communication activities

All the activities planned for the project duration have been implemented with success:

- The **REProMag website** which contains information on the project partners, current research activities, events calendar as well as links to REProMag social media, relevant websites of the EC, the partners' organizations, SME-associations, networks in Europe and ETPs active in the research/development area of the project was available for **public access** since April 2015. During the project duration, information was regularly updated and the website fed with project news (events, results...), pictures, partners' testimonials and relevant materials such as the project videos. The website can be visited at the following address: www.repromag-project.eu. The website will still be active and updated at least until End 2020
- After production at M6 and distribution of a first version of the **project's flyer** containing the main elements of the REProMag project (project summary and objectives, impacts and benefits, **2000 exemplars**), a second version containing also the project's outcomes like demonstrators were produced in the last project year (**2000 exemplars**) The layout and content of these 2 versions are described in the deliverable D9.3. A PDF versions of the second version is available for free download on the REProMag website under the "Download" section (<http://www.repromag-project.eu/downloads/>)
- **Press releases and articles** are always important to communicate project status and progress as well as interesting new results affecting the society or the industry. Until now, partners issued a total of **20 printed and/or online articles and press releases** (including 1 since project end as a European Success Story, but not including articles in industrial magazines which were counted under dissemination, scientific/industrial publications). Partners are still planning to issue further press releases in the upcoming months due to the success of the project .
- In total, REProMag has produced **all the 5 planned electronic newsletters**, including the one

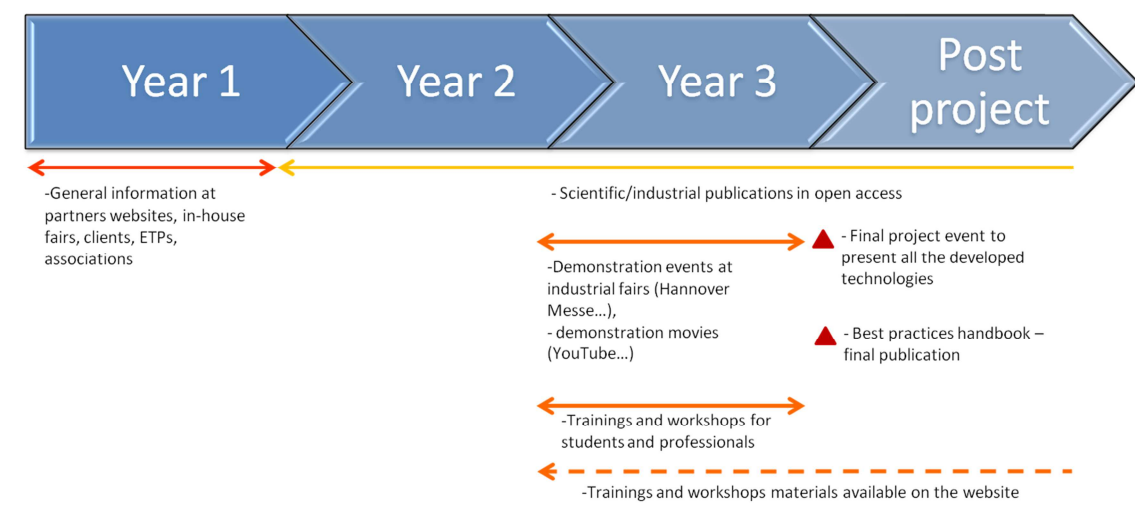
published after project end in January 2018.

- **All planned Videos** have been produced as well as a short video clip on magnetic alignment. As expected the videos have been widely disseminated and a received a great resonance (700 views at M36).
- Last but not least, **social media** targeting both professional and public networks have been used within the project, especially by the creation and moderation of a LinkedIn closed group (“EU project REProMag - Resource Efficient Production of Rare-Earth Magnets”, 85 members), a Twitter account (“@repromagproject”, 146 followers) and a ResearchGate page (“REProMag”, 198 views). Project partners have also posted news on their own social media account (all forms).

2. Update of the Dissemination strategy

Partners have been actively involved in the creation and development of a Dissemination and exploitation plan. For the first year of the project, the overall objective of dissemination has been to raise awareness on project aims and expected results within the scientific community and the manufacturing industry. Thus in the first version of this “roadmap” the partners have define when and how they will engage in dissemination activities. This Dissemination and exploitation plan updated regularly taking into account the publication of scientific publications, technical presentations at conferences, dedicated presentations for the industry alongside in-house or industrial fairs and workshops.

The REProMag dissemination workflow aims mainly at informing researchers, industry, potential customers and other professional stakeholders (e.g. devices end-users) on the technical project achievements, in particular of the benefits from the implementation of new eco-innovative REProMag technology for different applications in the production of metal parts with complex geometries, especially RE-magnets-based parts.



Dissemination roadmap showing the planning of partners' dissemination activities

The **dissemination** targeting **essentially the transfer of knowledge** to scientific and industrial audiences contains the following activities and tools:

- Participation to **both national and international industrial fairs** (e.g. Hannover Messe, Euromold, Cebit, K show, FormNext, 3D print, Engine Expo), to present the project industrial achievements. This is of prime importance to reach potential end-users of REProMag technologies. The project partners planned to attend **at least 3 fairs** during the project time. In total, partner participated in **14 industrial fairs**. The project outcomes, especially machines and parts will definitively be further presented to end-users in the frame of fairs after the project end.
- Participation to **world-class scientific conferences** (e.g. ICM - Conference on Magnetism, EURO PM, World PM, Ressourceneffizienzkongress, ICIT & APT, IEEE Conference on Advances in Magnetics, REPM) to present the scientific/technical breakthroughs of the project, assuring thus a swift technology transfer through making generated knowledge available before specialised audiences. In total, partner participated in **29 conferences and congresses, including 18 world-class scientific conferences** (see details are described in the table 1, chapter 3).
- Publication of **cross-thematic peer-reviewed scientific articles in international journals and cross-thematic articles in industrial magazines** (at least 4 planned) to assure the general knowledge transfer among specialised audiences (science, industry, potential end-users). In total, **4 articles in international scientific peer-reviewed journals** (Polymers, Volume 8, Issue 10, October 2016; PIM International, March and December 2017; Journal Metalurgija December 2017) and **4 articles in industrial magazines** (Werkstoffe, December 2015; Additive Fertigung, February 2016; Kunststoffe, January 2017; Werkstoffe, April 2017) were published the end of the project. Moreover, **21 publications in conference proceedings** were done. More details in table 2, chapter 3. Due to the overall delay of demonstrator parts development and the production of demonstrators, some foreseen publications linked to the production and evaluation of demonstrators and to the LCA/LCC of the SDS routes couldn't be produced yet but are in preparation for publication in the upcoming months.
- **The final publication** (handbook) summarizing all project results has been prepared by partners and is currently under printing (**150 exemplars**) for publication in form of a booklet. This booklet will be used by partners to assure a good presentation of the developed technologies, facilitating thus exploitation of their results and market deployment.
- **1 standard** to be generated after the end of the project by partner NPL for the PFM as part of IEC 60404 series through the IEC TC 68 WG2 and WG5 committees.
- **Three thematic technology-transfer workshops** were organised in the second project period by UoB, MUL and OBE, targeting mainly potential end-users and industry and reaching **in total 127 participants**. The final training documents will be used for take-up activities and further exploitation of the project results e.g. as e-learning modules by facilitating access to information to potential users
- **Integration of project results into university courses and knowledge-transfer seminars** for industrial/scientific public about circular economy, criticality of rare-earth and their mining, the SDS process, the 2 additive manufacturing approaches used, the MIM route and the resource efficient production of magnets. This enabled a better understanding and stronger awareness of the solutions provided by REProMag through the immediate involvement of

about 400 end-users and next generations of engineers, PhDs, managers. OBE conducted 4 university courses and UoB, one. MUL conducted 3 university courses and also presented results from the ME printing process in 3 seminars dedicated to specific research groups from academia and industry (potential technology adopters / end-users).

- **Workshops and courses/seminars materials** available for public dissemination (common public knowledge or protected knowledge) was uploaded on the project's website as part of the knowledge transfer to be achieved within the project. Materials are mainly presentations which were prepared by project partners who are experts in the technology and thematic fields described.
- Organisation of **a final conference** to present technical achievements of the project. In order to maximise its impact, the possibility to join forces with a related high-level event (EFFRA, Manufuture) will be considered, potentially reaching an audience of at least **100 persons** coming from both academic and industrial areas: The final event was organised in the frame of the WRF 2017 (Geneva 24-25.10.2017) and reached 450 stakeholders from science, industry, politics and media – among which representatives from other Horizon 2020 projects such as FORAM,.
- Networking with other similar R&D projects (common events) and networks, clustering activities with regional and national SMEs networks on eco-innovative and material technologies, and clustering activities with European networks on green technologies will also be implemented in order to maximize the impact of the project on the potential technology adopters and end-users: At the end of the project, partners OBE, FOTEC, MUL, NPL, IJS, SIE, S2i and UoB were actively networking with similar international and national projects, clusters, initiatives and influencers (e.g. FoFAM, Maestro, ROMEO, MAGDRIVE, DEMETER, Remanence, NMS, REFREEMag, FORAM, CerAMfacturin, MinFuture, ProSUM, SCRREEN, TAS-AM cluster, Enterprise Europe Network, EFFRA, Manufuture, FOF, SPIRE)

The REProMag project expects that part of the dissemination materials (e.g. industrial publications, trainings materials and project final publication) will guide professional audience to the implementation or adoption of the proposed solutions well beyond the project period, helping thus the further exploitation of project results by project partners. Moreover, partners are highly committed to bring the new SDS manufacturing route to a state of maturity that allows its use in commercial products for other industry customers being able to develop and market such products more efficiently. The above-mentioned dissemination instruments will help to create awareness of the SDS process among the potential application industries, even after project end.

3. Current state of the Communication and Dissemination Roadmap

Within the REProMag project, all partners organize and participate in a great range of events that contribute to the dissemination and exploitation of the project itself and its results. The following tables gives an overview of all the dissemination activities and publications performed since the beginning of the project until now (including the also activities already planned after the project end)

Table 1: List of dissemination and communication activities within REProMag

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Press release	MUL	Innovative Magnete	January 2015	Triple M (corporate magazine of MUL)	Article in German describing the project	general public	200
Press release	OBE	"Ispringer Unternehmen "OBE" setzt auf Magnetwirkung"	January 2015	PZ news	Article about the project	general public	25
Other (project page)	S2i	REProMag project	since March 2015	S2i/SEZ website	Project page on partner website	scientific, industry, general public, policy makers, customers	3.000
Participation to a Conference	PT+A	Materialforschungskonferenz "i-WING 2015"	April 2015	Dresden, Germany	Presentation of the project	science, industry,	50
Participation to a Workshop	OBE	FoF impact workshop (Maximising impact of FOF projects by clustering activities)	29-30 April 2015	Brussels, Belgium	Presentation of Project	scientific, industry, policy makers	40
Website	S2i, all	Project web-site online	April 2015	online	Creation of Project website, first contents added	general public, scientific, industry	–
Other (project page)	UoB	REProMag project	since May 2015	UoB website	Project page on partner website	science, industry, general public, customers	3.000
Exhibition	OBE	OBE expo (General info day on OBE activities)	June 2015	Ispringen, Germany	Presentation of the project	industry, investors	100
Flyer	S2i, all	Project flyer	June 2015	Karlsruhe, Germany	Flyer about the project	science, industry, general public, customers, policy makers	2.000
Organisation of a Workshop	MUL, HAGE	OPEN MATERIALS	30 June 2015	Obdach, Austria	Training within HAGE Germany with presentation of the project	science, industry	30
Other (project page)	IJS	REProMag project	since June 2015	IJS website	Project page on partner website	science, industry, general public, customers	3.000
Other (specific stakeholders acquisition)	OBE	Visit of Minister Untersteller at OBE	June 2015	OBE, Ispringen, Germany	Presentation of project	policy makers	2
Other (news)	MUL	REProMag	July 2015	MUL website	News about the project on partner website	general public	3.000
Scientific publication	NPL	Measurement of the DC properties of permanent magnets using a Pulsed Field Magnetometer	July 2015	Proceedings of ICM 2015	Publication with results from the project	science, industry	1.000
Scientific publication	NPL	A novel experimental determination of the magnetometric self- demagnetization factor	July 2015	Proceedings of ICM 2015	Publication with results from the project	science, industry	1.000
Participation to a Conference	NPL	ICM - Conference on Magnetism	5-10 July 2015	barcelona, Spain	2 Posters on NPL related PFM work. REProMag logo displayed on posters.	science, industry	2.000
Other (project page)	MUL	REProMag project	since July 2015	MUL website	Project page on partner website	science, industry, general public, customers	3.000
Other (project page)	HAGE	REProMag project	since July 2015	HAGE website	Project description on partner website	science, industry, general public, customers	3.000
Social media (account)	S2i	LinkedIn Group: EU project REProMag - Resource Efficient Production of Rare-Earth Magnets	Since August 2016	LinkedIn	Creation of a LinkedIn group for the project, members invited (ongoing process)	general public, science, industry	86

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Other (project page)	FOTEC	REProMag project	August 2015- December 2017	FOTEC website	Project page on partner website	science, industry, general public, customers	3.000
Non-scientific and non-peer reviewed publications	S2i, all	Project newsletter No 1	September 2015	REProMag website and distribution list	Newsletter issued and distributed: project progress, project events, partner testimonial	scientific, industry	100
Scientific publication	MUL	Study of rheological behaviour of stainless steel feedstock taking into account the thermal effects	7 September 2015	Proceedings of IBEREO15 - Challenges in rheology and product development	Publication with results from the project	science, industry	1.000
Exhibition	NPL	Advanced electromagnetic measurement	16 September 2015	NPL, UK	Labtour where REProMag has been presented	science, industry	80
Participation to a Conference	MUL	PPS-2015 Europe-Africa Conference	21-24 September 2015	Graz, Austria	conversations, flyers	science, industry	20
Exhibition	HAGE	Euromold	22-25 September 2015	Düsseldorf, Germany	Flyer distribution	industry	20.000
participation to a Workshop	OBE	FOFAM Expert workshop	22 September 2015	Brussels, Belgium	conversations, flyer distribution	industry, science	40
Participation to an event other than a conference/workshop	OBE	AM Platform meeting	24 September 2015	Brussels, Belgium	conversations, flyers	industry	50
Other (specific stakeholders acquisition)	OBE	visit KIT Karlsruhe	23 September 2015	Karlsruhe, Germany	conversation, hand out Flyer	science	3
Participation to a Conference	OBE	Pforzheimer Werkstofftage	1 October 2015	Pforzheim, Germany	oral presentation	science	100
Scientific publication	OBE	Ressourceneffiziente Herstellung von Nd-Fe-B Hartmagneten aus Recyclingmaterial	1 October 2015	Proceedings of Pforzheimer Werkstofftage, Band 153	Publication with results from the project	science, industry	500
Scientific publication	MUL	Rheological Behaviour of Bronze Feedstocks at Low Shear Rates	4 October 2015	Proceedings of EURO PM 2015	Publication with results from the project	science	1.000
Participation to a Conference	MUL	EURO PM 2015	4-7 October 2015	Reims, France	conversations, flyers	science, industry	10
Participation to a Conference	OBE	EURO PM 2015	4-7 October 2015	Reims, France	Oral Presentation + Poster	industry science	30
Participation to a Conference	OBE	Ressourceneffizienzkonferenz	7 October 2015	Stuttgart Germany	Oral Presentation (REProMag project in general)	science	40
Participation to a Conference	MUL	ic-rmm2, 2nd international conference on rheology and modeling of materials,	5-9 October 2015	Miskolc, Lillafüred, Hungary	conversations and flyer distribution	science	10
Exhibition	MUL	Fakuma – International trade fair for plastics processing	13-17 October 2015	Friedrichshafen, Germany	conversations and flyer distribution	science, industry	20
Exhibition	OBE	Ceramitec 2015	20-22 October 2015	Munich, Germany	discussions with potential customers	industry	10
Participation to an event other than a conference/workshop	HAGE	Client information on first FDM printed sinterable test parts	21 October 2015	Obdach, Austria	Poster	customers	100
Participation to an event other than a conference/workshop	NPL	EMPIR Energy call - Networking meeting	1 November 2015	NPL, UK	Meeting	science	30
Press release	S2i	Ressourceneffizienz für die Hartmagnetfertigung	December 2015	S2i/SEZ-Nachrichten Dezember 2015	Article about the project in partner newsletter	general public, scientific, industry	3000
Press release (Industrial publication)	S2i	Ressourceneffizienz für die Hartmagnetfertigung	December 2015	Werkstoffe	Article about the project and its first results	scientific, industry	10000

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Press release	S2i	EU Projekt REProMag: Die Hartmagnetfertigung optimieren und Material wieder verwerten	December 2015	SEZ/S2i Annual Report 2015	Article about the project, past activities and outlook upcoming activities	general public, scientific, industry	10000
Participation to a Conference	UoB	13th Joint MMM-Intermag Conference	11-15 January 2016	San Diego, USA	Presentation/poster	science	300
Organisation of a Workshop	PT+A	PTA/IKTS workshop	14 January 2016	Dresden, Germany	Presentation of the project	science	10
Press release (Industrial publication)	HAGE	Success Story	February 2016	Additive Fertigung (magazine)	Feedback of an HAGE3D-User and latest news from HAGE3D including Repromag activities	science, industry	2.000
Other (lecture, seminar)	MUL	Neue Materialien im Fused Filament Fabrication (FFF) Verfahren" in the frame of "2. ERFA-Runde zum Themenbereich Additive Fertigung	11 March 2016	Leoben, Austria	Lecture, Q&A, conversations	science, industry	10
Exhibition	PT+A	Cebit	14-18 March 2016	Hannover, Germany	conversations and flyer distribution	industry, science	500
Exhibition	IJS	IJS days	21-26 March 2016	Ljubljana, Slovenia	conversations and flyer distributions	general public	20
Exhibition	PT+A	Hannover Messe 2016	April 2016	Hannover, Germany	conversations and flyer distribution	industry,science	500
Scientific publication	MUL	Fused Filament Fabrication for Metallic Parts	6 April 2016	Proceedings of 25. Leobener Kunststoff-kolloquium	Publication with results from the project	science, industry	1.000
Scientific publication	MUL	Structure of Polypropylene Macromolecules in the Vicinity of Fe2O3 Surface	6 April 2016	Proceedings of 25. Leobener Kunststoff-kolloquium	Publication with results from the project	science, industry	1.000
Exhibition	HAGE	TUBE2016	4-8 April 2016	Düsseldorf , germany	distribution of printed parts, distribution Repromag folder	industry	50
Other (lecture, seminar)	OBE	Seltene Erden: Rohstoffproblematik	12 April 2016	Stuttgart, Germany	Lecture, Q&A, conversations	science	100
Participation to a Conference	MUL	25. Leobener Kunststoff-kolloquium	14-15 April 2016	Leoben, Austria	2 Abstracts and 2 posters	science, industry	15
Participation to a Workshop	OBE	FoF impact workshop (Maximising impact of FOF projects by clustering activities)	14-15 April 2016	Brussels, Belgium	Presentation of Project	industry, science, policy makers	100
Participation to an event other than a conference/workshop	MUL	European Researchers' Night	22 April 2016	Leoben, Austria	Conversations	general public	30
Participation to an event other than a conference/workshop	FOTEC	European Researchers' Night	22 April 2016	Wiener Neustadt, Austria	inform a general audience about Project, flyer,poster	general public	250
Exhibition	VuT	Hannover Messe 2016	25-29 April 2016	Hannover, Germany	booth, distribution of flyer, demonstration of prototype	science, industry	50
Non-scientific and non-peer reviewed publications	S2i, all	Project newsletter No 2	May 2016	REProMag website and distribution list	Newsletter issued and distributed: project progress, project events, partner testimonial	scientific, industry	100
Participation to a Workshop	SIE	Fachtagung "Magnetwerkstoffe und Seltene Erden	29-30 June 2016	Hanau (Germany)	oral presentation, distribution of flyer	science, industry	80
Participation to an event other than a conference/workshop	NPL	InnovateUK Competition Briefing - Advanced manufacturing	1 May 2016	London, UK	Meeting	science, industry	20
Exhibition	NPL	NPL open House	1 May 2016	NPL, UK	Demonstrations related to permanent magnets.	science, industry, general public, customers	300
Participation to a Conference	MUL	Austrian 3D-Printing Forum	10 May 2016	Vienna, Austira	Poster, conversation, flyers	genearl public, industry	20

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Other (news)	NPL	REProMag project	June 2016	NPL website	News about the project and 2nd newsletter on partner website	science, industry	3.000
Video/Film	OBE, UoB, S2i	REProMag EU-H2020 project: SDS, a new resource efficient production route for Rare Earth magnets	June 2016	Germany/UK	First project video created	science, industry, general public, customers	–
Press release	S2i	Halbzeit des EU-Projekts REProMag! Erste Ergebnisse bei der Optimierung der Hartmagnetfertigung	June 2016	S2i/SEZ Innovation Info	Article about the project in partner newsletter	general public, scientific, industry	3000
Social media (video uploaded)	OBE	Repromag Project video	Since June 2016	OBE YouTube channel	First project video uploaded on company account	general public, science, industry, policy makers	530
Social media (video uploaded)	MUL	REProMag Horizon2020 Project	Since June 2016	YouTube and Facebook channels of MUL's researcher	First project video uploaded on youtube and facebook private accounts	general public, science, industry, policy makers	1.208
Social media (video uploaded)	S2i	REProMag EU-H2020 project: SDS, a new resource efficient production route for Rare Earth magnets	Since June 2016	SEZ/S2i YouTube channel	First project video uploaded on company account	general public, science, industry, policy makers	98
Other (news)	S2i	Halbzeit des EU-Projekts REProMag!	6 June 2016	S2i/SEZ website	News about the project on partner website	general public, scientific, industry	3.000
Participation to a Workshop	MUL	Förderungen im Umfeld von „Werkstoffwissenschaften & Produktionstechnologien“	8 June 2016	Leoben, Austria	Presentation: "Erfahrungsbericht/H2020-Factories of the Future Projekt REProMag"	science, industry	10
Social media (account)	MUL	ResearchGate page: REProMag	Since July 2016	ResearchGate	Creation of a project page on the scientific online network ResearchGate; upload of conference papers and scientific paper related to the work done at MUL within the REProMag project	science, general public	167
Other (news)	IJS	News: REProMag	July 2016	IJS website	News about the Review meeting in Wedemark, Germany	general public, science, industry	200
Press release	S2i	Seltene Erden, stark gefragt. EU-Projekt will die Hartmagnetfertigung optimieren	July 2016	Steinbeis Transfer 2016	Project description & first results	general public	27.000
Participation to a Workshop	NPL	UK Magnetics Society Seminar: MagMatApp'16	20 July 2016	Birmingham, UK	Presentation	Science, industry	40
Participation to a Conference	MUL	PPS 32 2016 - 32nd International Conference of the Polymer Processing Society	25 - 29 July 2016	Lyon, France	Presentation, Conversations	science, industry	50
Press release	S2i	Verbesserte Hartmagnetfertigung mit innovativer und ressourceneffizienter Herstellungsmethode - Press release idW	5 July 2016	idw-online (online magazine)	Online article about the project	science	11.739
Press release	S2i	Verbesserte Hartmagnetfertigung mit ressourceneffizienter Herstellungsmethode	5 August 2016	German BMFB online portal MatRessource	Online article in German on the project in the frame of REPM, released by MatRessource, the support initiative for materials and resource efficiency from the German Ministry for Education and Research (Bundesministerium für Bildung und Forschung - BMBF), on its online portal	science, industry, general public, policy makers, media	5.000
Participation to a Conference	NPL	REPM 2016 - 24th International Workshop on Rare Earth and Future Permanent Magnets and Their Applications	28 August – 01 September 2016	Darmstadt, Germany	Poster presentation, flyers distribution, paper	science, industry	300

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Participation to a Conference	UoB	REPM 2016 -24th International Workshop on Rare Earth and Future Permanent Magnets and Their Applications	28. August – 01. September 2016	Darmstadt (Germany)	Poster, conversation, flyers	science, industry	350
Participation to a Conference	SIE	REPM 2016 - 24th International Workshop on Rare Earth and Future Permanent Magnets and Their Applications	28 August – 01 September 2016	Darmstadt, Germany	Conversations, Flyers distribution	science, industry	350
Participation to a Conference	OBE	REPM 2016 - 24th International Workshop on Rare Earth and Future Permanent Magnets and Their Applications	28 August – 01 September 2016	Darmstadt, Germany	Paper, Presentation	science, industry	450
Scientific publication	NPL	Characterization of bulk rare-earth permanent magnets with complex geometries	28 August 2016	Proceedings of REPM 2016	Paper with results from the project	science, industry	1.000
Scientific publication	OBE, FOTEC, PTA, MUL, UoB	Metal Injection Moulding of NdFeB based on Recycled Powders	28 August 2016	Proceedings of REPM 2016	Paper with results from the project	science, industry	1.000
Participation to a Workshop	SIE	BMBF-Forum MatRessource in the frame of the MSE - Material Science and Engineering Congress	28-29 September 2016	Darmstadt, Germany	Conversations, Flyers distribution	science, industry	70
Exhibition	NPL	NPL Annual Science Poster Fair	October 2016	Teddington, UK	Poster presentation	science, industry,	50
Other (news)	OBE	OBE als ressourcen-effizientes Unternehmen ausgezeichnet	October 2016	OBE website	News about the project and a regional award received by OBE for REProMag	science, industry, general public, policy makers, customers	300
Scientific publication	MUL	Properties for PIM Feedstocks Used in Fused Filament Fabrication	9 October 2016	Proceedings of World PM 2016	Paper with results from the project	science, industry	1.000
Scientific publication	OBE, FOTEC, PTA, MUL, UoB	Metal Injection Moulding of NdFeB Based On Recycled Powders	9 October 2016	Proceedings of World PM 2016	Paper with results from the project	science, industry	1.000
Scientific publication	OBE, HAGE	Fused Filament Fabrication (FFF) of 316L Green Parts for the MIM process	9 October 2016	Proceedings of World PM 2016	Paper with results from the project	science, industry	1.000
Participation to a Conference	VuT	The World PM2016 Congress & Exhibition (by the European Powder Metallurgy Association)	9-13 October 2016	Hamburg, Germany	Conversations, flyer distribution	science, industry	1000
Participation to a Conference	MUL	The World PM2016 Congress & Exhibition (by the European Powder Metallurgy Association)	9-13 October 2016	Hamburg, Germany	Presentation, conversations, flyer distribution	science, industry	1000
Participation to a Conference	OBE	The World PM2016 Congress & Exhibition (by the European Powder Metallurgy Association)	9-13 October 2016	Hamburg, Germany	Paper and poster presentations, flyer distribution	science, industry	1000
Participation to a Conference	MUL	Polymer Processing Society Asia/Australia Conference (PPS-2016)	11 - 14 October 2016	Chengdu , China	Presentation	science, industry	50
Scientific publication	MUL	Special Materials and Technologies for Fused Filament Fabrication	11 October 2016	Proceedings of Polymer Processing Society Asia/Australia Conference (PPS-2016)	Paper with results from the project	science, industry	1.000
Scientific publication	MUL	Atomistic Modelling of Confined Polypropylene Chains between Ferric Oxide Substrates at Melt Temperature	14 October 2016	Polymers, Volume 8, Issue 10	Article with results from the project	science, industry	3.300
Participation to an event other than a conference/workshop	MUL	K Show 2016	18 - 22 October 2016	Düsseldorf, Germany	Conversations, flyers distribution	science, industry	15

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Participation to an event other than a conference/workshop	UoB	Advanced Propulsion Centre Steering Committee Meeting	20 October 2016	University of Warwick, Coventry, UK	Presentation, Conversations	science, industry	250
Participation to a Workshop	HAGE	Fast Forward 4you	20 October 2016		Presentation of HAGE3D	industry	50
Participation to an event other than a conference/workshop	NPL	IEC TC 68 WG 2 and 5 meeting: International Standards and Conformity Assessment	November 2016	Teddington, UK	Flyers distribution	science, industry	40
Non-scientific and non-peer reviewed publications	S2i, all	Project newsletter No 3	November 2016	REProMag website and distribution list	Newsletter issued and distributed: project progress, project events, partner testimonial	science, industry	100
Other (specific stakeholders acquisition)	MUL	Visit of company IMR Fabrikautomation GmbH to Chair of Polymer processing at Montanuniversitaet Leoben	11 November 2016	Leoben, Austria	Presentation, conversations	industry	3
Participation to an event other than a conference/workshop	SIE	Siemens internal seminar for high performance motor concepts	16 November 2016	Munich, Germany	Presentation	industry	30
Exhibition	HAGE	FormNext	15-18 November 2016	Frankfurt, Germany	Booth, presentation of HAGE3D-printers; folder; printed parts	science, industry, media	10.000
Participation to a workshop	MUL	7th International Business Meeting organised by the company ARPeisig-Dolder GmbH	2 December 2016	Baden bei Wien, Austria	Presentation, Conversations	industry	15
Other (lecture, seminar)	MUL	Introduction to Powder Injection Moulding	7 December 2016	Ljubljana, Slovenia	Lecture for the course Mechanics of Polymeric Materials, Faculty of Mechanical Engineering, University of Ljubljana	science	60
Flyer	S2i, all	Update project flyer	12 December 2016	Karlsruhe, Germany	Project lyer updated with results/achievements	science, industry, general public, customers, policy makers	2.000
Participation to an event other than a conference/workshop	NPL	Presentation to the Science and Technology Advisory Committee	December 2016	Teddington, UK	Poster presentation	science, industry, policy makers	18
Scientific publication	MUL	Effect of Particle Size on the Properties of Highly-Filled Polymers for Fused Filament Fabrication	2017	Proceedings of PPS 32 - 32nd International Conference of the Polymer Processing Society	Paper with results from the project	science, industry	1.000
Press release (Industrial publication)	OBE	Ressourceneffiziente Herstellung von Permanentmagneten	January 2017	Kunststoffe	Article in German presenting the project, its goals, innovations and results	science, industry, media	15.000
Other (lecture, seminar)	MUL	Highly-filled polymeric compounds for the production of metallic parts with complex geometry	25 January 2017	Leoben, Austria	Lecture for the course Kolloquium zu Kunststofftechnik, Chair of Polymer Processing, Montanuniversitaet Leoben	science	6
Other (specific stakeholders acquisition)	OBE	Visit of Green Member of the regional Parliament of Baden-Württemberg Stefanie Seemann (Grüne/Bündnis90) and Green Speaker at County Council Elisabeth Vogt to OBE in the name of regional Minister of Environment of Land Baden-Württemberg Franz Untersteller (alle die Grünen)	3 February 2017	Ispringen, Germany	Project presentation, award for REProMag, production tour of OBE	policy makers, media	15
Press release	OBE	Preise für den Ressourcen-Minimierer	6 February 2017	Pforzheimer Zeitung	Article in German about the visit from Green politicians to OBE with discussions about REProMag	general public, policy makers, media	2.000

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Other (lecture, seminar)	UoB	Resources and recycling of rare earth materials	7 February 2017	Birmingham, UK	Lecture in the frame of the Sustainable materials masters course	science	50
Participation to a Conference	PT+A	ISAM 2017 - 2nd International Symposium on Additive Manufacturing	8-9 February 2017	Dresden, Germany	Conversations, flyer distribution	science, industry, customers	200
Scientific publication	OBE	New approach to production of PIM rare earth magnets	March 2017	PIM Powder Injection Moulding International	Article with results from the project	science industry	10.000
Video/Film	TEKS, S2i, OBE	REProMag EU-H2020 project: Life Cycle Assessment of the innovative SDS route	March 2017	UK/Germany	Second project video created	general public	–
Social media (video uploaded)	S2i	REProMag EU-H2020 project: Life Cycle Assessment of the innovative SDS route	Since March 2017	SEZ/S2i YouTube channel	Second project video uploaded on company account	general public, science, industry, policy makers	300
Exhibition	NPL	STEM for Britain	13 March 2017	Westminster, UK	Poster presentation	science, policy makers	135
Other (scientific poster)	NPL	Scientific poster: Additive Manufacturing of Recycled Permanent Magnets: The Realisation of a Greener Future	13 March 2017	STEM for Britain and online (REProMag website)	Poster with results from the project	science, industry, general public	1.000
Press release	OBE	Der Ruf der Forschung OBE-Geschäftsführer Burkhardt wechselt in die Schmucktechnologie	18 March 2017	BNN - Pforzheimer Kurier	Article in German about the research activities of coordinator Carlo Burkhardt with mention of REProMag as one major research project funded by the EU	general public	4.000
Organisation of a Workshop	UoB	REProMag Academy: Circular Economy for RE magnets	30 March 2017	Birmingham, UK	Organisation of the first REProMag workshop, presentation, conversations	science, industry	35
Participation to a Workshop	OBE	REProMag Academy: Circular Economy for RE magnets	30 March 2017	Birmingham, UK	Participation to the first REProMag workshop presentation, conversations	science, industry	cf UoB (orga)
Participation to a Workshop	NPL	REProMag Academy: Circular Economy for RE magnets	30 March 2017	Birmingham, UK	Participation to the first REProMag workshop, conversations	science, industry	cf UoB (orga)
Participation to a Workshop	TEKS	REProMag Academy: Circular Economy for RE magnets	30 March 2017	Birmingham, UK	Participation to the first REProMag workshop, conversations	science, industry	cf UoB (orga)
Press release (Industrial publication)	S2i	Ressourceneffizienz bei der Hartmagnetfertigung	April 2017	Werkstoffe	Article about an award for OBE thanks to REProMag	science, industry	2.000
Other (REProMag Academy seminar)	OBE	REProMag Academy - Projekt REProMag: Ressourcenschonende Herstellung von Permanentmagneten	4 April 2017	University of Stuttgart, Germany	Lecture, Q&A, conversations	science	35
Organisation of a Conference	MUL	26. Leobener Kunststoff-Kolloquium: Innovative Spritzgiesstechnologie - Trends und aktuelle Entwicklungen	20-21 April 2017	Leoben, Austria	Co-organisation with PCCL (Polymer Competence Center Leoben) of the 26th Leoben colloquium on plastics with major topic "Innovative Injection Moulding Technology – Trends and Actual Developments"; poster presentation, conversations, flyer distribution	science, industry	100
Other (scientific poster)	MUL	Poster: Metal Injection Moulding for the Production of Recycled Rare Earth Magnets	21 April 2017	Proceedings of 26. Leobener Kunststoff-Kolloquium, Volume 07	Poster with results from the project	science, industry	cf conference 26th colloquium
Participation to a Conference	MUL	ICIT & APT 2017 - 10th International Conference on Industrial Tools and Advance Processing Technologies	24 - 26 April 2017	Ljubljana, Slovenia	2 presentations, conversations, flyer distribution, 2 abstracts	science, industry	40
Participation to an event other than a conference/workshop	PT+A	Hannover Messe 2017	27 April 2017	Hannover, Germany	Conversations, flyer distribution	industry, customers	20

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Non-scientific and non-peer reviewed publications	S2i, all	Project newsletter No 4	May 2017	REProMag website and distribution list	Newsletter issued and distributed: project progress, project events, partner testimonial	science, industry	100
Social media (account)	S2i	Twitter account: @repromagproject	Since May 2017	Twitter	Creation of a Twitter account for the project, promotion of it (ongoing process)	science, industry, general public, policy makers, media	130
Other (REProMag Academy seminar)	OBE	REProMag Academy - Ringvorlesung: Ressourceneffiziente Herstellung von Hartmagneten aus Seltene Erden in einem geschlossenen Materialkreislauf aus Recyclingmaterial	4 May 2017	Pforzheim, Germany	Lecture in German at the University of Pforzheim (Hochschule Pforzheim) presenting the project	science	120
Participation to a Conference	MUL	ANTEC® 2017	8 - 10 May 2017	Anaheim, USA	Presentation, conversations, flyer distribution	science, industry	10
Scientific publication	MUL	Filler content and Properties of Highly Filled Filaments for Fused Filament Fabrication of Magnets	8 May 2017	Proceedings of ANTEC® 2017	Paper with results from the project	science, industry	1.000
Other (news)	MUL	Der neue REProMag-Newsletter ist online!	11 May 2017	MUL website	News about the publication of the latest REProMag Newsletter	science, industry, general public	200
Participation to a Conference	MUL	The 19th Plansee Seminar	29 May - 2 June 2017	Reutte, Austria	Poster presentation, conversations, flyer distribution, publication	science, industry	400
Other (scientific poster)	MUL	Poster: Fused filament fabrication for the production of metal and/or ceramic parts and feedstocks therefore	30 May 2017	Proceedings of 19th Plansee Seminar	Poster with results from the project	science, industry	400
Participation to an event other than a conference/workshop	TEKS	Go4SET CAD - Celebration and Assessment Day of the Go4SET project	6 June 2017	Sheffield, UK	Assessor role for the Go4SET Science, Technology, Engineering and Mathematics (STEM) project which aimed at linking teams of school pupils with employers and universities during 10 weeks in the UK. Conversations and flyer distribution during the Go4SET CAD at the Sheffield Hallam University.	science, industry, general public	50
Participation to a Conference	MUL	VI Congreso Iberoamericano de Pulvimetalurgia	7-9 June 2017	Ciudad Real, Spain	Presentation, conversations, flyer distribution, publication	science, industry	400
Scientific publication	MUL, HAGE, OBE	Fused Filament Fabrication (FFF) of PIM Feedstocks	7 June 2017	Proceedings of VI Congreso Iberoamericano de Pulvimetalurgia	Publication with results from the project	science, industry	1.000
Participation to a Conference	MUL	CIM 2017 Computer Integrated Manufacturing and High Speed Machining	8-10 June 2017	Zadar, Croatia	Presentation, conversations, flyer distribution, publication	science, industry	20
Scientific publication	MUL, FOTEC, OBE	Shaping, debinding and Sintering of Steel components via fused filament fabrication	8 June 2017	Proceedings of CIM 2017	Paper with results from the project	science, industry	1.000
Organisation of a Workshop	MUL	REProMag Academy: Industrial applications for Additive Manufacturing	13 June 2017	Leoben, Austria	Co-organisation of the second REProMag workshop with the project addmanu, presentation, conversations	science, industry	51
Participation to a Workshop	OBE	REProMag Academy: Industrial applications for Additive Manufacturing	13 June 2017	Leoben, Austria	Participation to the second REProMag workshop, presentation, conversations	science, industry, customers	cf MUL (orga)
Participation to a Workshop	LTZ	REProMag Academy: Industrial applications for Additive Manufacturing	13 June 2017	Leoben, Austria	Participation to the second REProMag workshop, presentation, conversations	science, industry, customers	cf MUL (orga)
Participation to a Workshop	FOTEC	REProMag Academy: Industrial applications for Additive Manufacturing	13 June 2017	Leoben, Austria	Participation to the second REProMag workshop, conversations	science, industry, customers	cf MUL (orga)

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Exhibition	HAGE	3D Print - The event for additive manufacturing	13-16 June 2017	Lyon, France	Booth, Presentation of HAGE3D-Printer, conversations	science, industry, media	1.000
Participation to an event other than a conference/workshop	OBE	Engine Expo 2017	22 June 2017	Stuttgart, Germany	Presentation, conversation, flyer distribution	industry	50
Participation to an event other than a conference/workshop	TEKS	INWED17 International Women in Engineering Day	23 June 2017	Sheffield, UK	Conversations, flyer distribution	science, industry	100
Other	S2i, OBE	REProMag Roll-up	June 2017	Karlsruhe, Germany	Production of a project roll-up	science, industry, policy makers, media, general public	–
Press release	MUL	REProMag - resource efficient production of rare-earth magnets from recycling material / REProMag - ressourceneffiziente Herstellung von Seltenen Erden Magneten aus Recyclingmaterial	June 2017	Biennial Report 2015-2016 of the Department Polymer Engineering and Science, Montanuniversität Leoben, page 47	Article in German and English about the project	science, industry	1.000
Other (REProMag Academy seminar)	MUL	REProMag Academy - Shape, Debind and Sinter Projects at MUL	10 July 2017	Leoben, Austria	Lecture to present results from REProMag to the Head of Additive Manufacture Research and its closest team members of a company active in the manufacturing of metal parts for the automotive industry	science, industry	4
Participation to an event other than a conference/workshop	OBE	Preisverleihung 5. Umwelttechnikpreis Baden-Württemberg	13 July 2017	Fellbach, Germany	Oral presentation of REProMag and reception of the Award in the category Material Efficiency from the Baden-Württemberg Ministry of the Environment, Climate and Power Industry, as representative for the whole REProMag project consortium	science, industry, policy makers	1.000
Other (news)	OBE	REProMag gewinnt beim 5. Umwelttechnikpreis Baden-Württemberg 2017 den 1. Platz in der Kategorie Materialeffizienz	13 July 2017	OBE website	News about OBE receiving for the whole REProMag Consortium the environmental technology award of Baden-Württemberg 2017 in the category "material efficiency"	science, industry, general public	1.000
Participation to a Workshop	SIE	The Great Transition – the Importance of Critical Metals for Green Energy Technologies	13 July 2017	Darmstadt, Germany	Oral presentation, conversations, flyer distribution	science, industry	150
Other (REProMag Academy seminar)	OBE	REProMag Academy - Warum gehen ohne Magnete bei uns die Lichter aus?	28 July 2017	Pforzheim, Germany	Lecture for kids 13-17 years in the frame of the Kids University Pforzheim (Kinder-Uni Pforzheim)	general public	80
Other (news)	HAGE	REProMag Abschlussveranstaltung im Rahmen von WRF 2017 – the World Resources Forum	31 July 2017	HAGE website	News about REProMag final event	science, industry, general public, customers	1.500
Other	S2i	Give-aways for advertising (USB sticks, lamps)	August 2017	Karlsruhe, Germany	Give-aways for dissemination events and especially final event	science, industry, general public, policy makers, customers	550
Other (news)	S2i	Umwelttechnikpreis Baden-Württemberg für EU-Forschungsprojekt REProMag	11 August 2017	S2i Website	News about OBE receiving for the whole REProMag Consortium the environmental technology award of Baden-Württemberg 2017 in the category "material efficiency"	science, industry, general public, policy makers	3.000
Press release	S2i	Umwelttechnikpreis Baden-Württemberg für EU-Forschungsprojekt REProMag	23 August 2017	idw-online (online magazine)	Online article in German about OBE receiving for the whole REProMag Consortium the environmental technology award of Baden-Württemberg 2017 in the category "material efficiency"	science, industry, general public	2.000

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Press release	S2i	Effiziente Permanentmagneten-Herstellung prämiert	25 August 2017	smartworld.de (online magazine)	Online article in German about OBE receiving for the whole REProMag Consortium the environmental technology award of Baden-Württemberg 2017 in the category "material efficiency"	science, industry, general public	1.000
Press release	S2i	REProMag: Technikpreis für Permanent-Magneten aus recycelten Seltenerden	28 August 2017	recyclingportal.eu (online magazine)	Online article in German about OBE receiving for the whole REProMag Consortium the environmental technology award of Baden-Württemberg 2017 in the category "material efficiency"	science, industry, general public	1.000
Press release	S2i	REProMag: Technikpreis für Permanent-Magneten aus recycelten Seltenerden	28 August 2017	GreenTech-Germany.com (online magazine)	Online news in German about OBE receiving for the whole REProMag Consortium the environmental technology award of Baden-Württemberg 2017 in the category "material efficiency"	science, industry, general public	1.000
Video/Film	FOTEC	REProMag EU-H2020 project: Magnetic Alignment of MIM Demonstrator Parts	September 2017	Germany	Technical video clip created	science, industry, general public, policy makers	–
Social media (video uploaded)	S2i	REProMag EU-H2020 project: Magnetic Alignment of MIM Demonstrator Parts	Since September 2017	SEZ/S2i YouTube channel	Technical video clip uploaded on company account	science, industry, general public, policy makers	70
Participation to a Conference	NPL	BINDT - Materials Testing 2017	5-7 September 2017	Telford, UK	Flyer distribution, conversations	science, industry	250
Participation to a Workshop	NPL	NPL internal workshop - sensor systems	7 September 2017	Teddington, UK	Flyer distribution, conversations	science	25
Press release	S2i	OBE Ohnmacht und Baumgärtner GmbH & Co. KG erhält den 5. Umwelttechnikpreis Baden-Württemberg	7 September 2017	nordschwarzwald.de (online magazine)	Online article in German about the price ceremony for the environmental technology award of BW 2017 received by OBE for the whole REProMag Consortium in the category "material efficiency"	science, industry, general public, policy makers	1.000
Organisation of a Workshop	OBE	REProMag Academy: Ressourceneffiziente Herstellung von Technologiewerkstoffen	27 September 2017	Ispringen, Germany	Organisation of the third REProMag project workshop, presentation, conversations, flyer distribution	science, industry, customers	41
Participation to a Workshop	MUL	REProMag Academy: Ressourceneffiziente Herstellung von Technologiewerkstoffen	27 September 2017	Ispringen, Germany	Conversations, flyer distribution	science, industry, customers	cf OBE (orga)
Participation to a Workshop	LTZ	REProMag Academy: Ressourceneffiziente Herstellung von Technologiewerkstoffen	27 September 2017	Ispringen, Germany	Conversations, flyer distribution	science, industry, customers	cf OBE (orga)
Participation to a Workshop	HAGE	Add+it Lead User Workshop	28-29 September 2017	Steyr, Austria	Presentation of REProMag printer, conversations, flyer distribution	science, industry, general public	500
Participation to a Conference	MUL	Pforzheimer Werkstofftag	28 September 2017	Pforzheim, Germany	Conversations, flyer distribution	science, industry, policy makers	150
Participation to a Conference	HAGE	50. Digitaldialog der Steirischen Wirtschaftsförderung	28 September 2017	Graz, Austria	Presentation of REProMag printer, conversations, flyer distribution	science, industry, general public, media	1.800
Participation to a Conference	PT+A	Xerion Innovation Day 2017	29 September 2017	Berlin, Germany	Conversations, flyer distribution	science, industry, customers	100
Participation to a Conference	VuT	Euro PM2017	1-5 October 2017	Milan, Italy	Conversations, REProMag papers corrections	science, industry	1200
Participation to a Conference	OBE	Euro PM2017	1-5 October 2017	Milan, Italy	Presentation, conversations	science, industry	100
Participation to a Conference	LTZ	Euro PM2017	1-5 October 2017	Milan, Italy	Presentation, conversations	science, industry	100
Participation to a Conference	MUL	Euro PM2017	1-5 October 2017	Milan, Italy	Presentation, conversations	science, industry	100
Scientific publication	OBE, IJS, MUL, UoB	Tailored Metal Injection Moulding Of Isotropic NdFeB Hard Magnets Based On Recycled Powders	1 October 2017	Proceedings of the Euro PM2017	Paper with results from the project	science, industry	1.000

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Scientific publication	LTZ, OBE, VuT	Lithographic Additive Manufacturing of Metal-Based Suspensions	1 October 2017	Proceedings of the Euro PM2017	Paper with results from the project	science, industry	1.000
Scientific publication	MUL, OBE	The Production of Magnets by FFF-Fused Filament Fabrication	1 October 2017	Proceedings of the Euro PM2017	Paper with results from the project	science, industry	1.000
Participation to a Workshop	SIE	UK Magnetics Society Seminar: MagMatApp'17 Magnetic Materials for the Optimisation of Motors, Generators and other Advanced Applications	4-5 October 2017	Hanau, Germany	Presentation, conversations, flyer distribution	science, industry	150
Participation to a Workshop	NPL	UK Magnetics Society Seminar: MagMatApp'17 Magnetic Materials for the Optimisation of Motors, Generators and other Advanced Applications	4-5 October 2017	Hanau, Germany	Conversations, flyer distribution	science, industry	50
Other (REProMag Academy seminar)	MUL	REProMag Academy - Additive Manufacturing Projects, Selected FFF projects at MUL	6 October 2017	Leoben, Austria	Lecture to present results from REProMag to researchers of a Polish university active in the field of metallurgy	science, industry	2
Participation to a Workshop	NPL	NPL internal workshop - Advanced Manufacturing Programme Experts Group (PEG)	9 October 2017	Teddington, UK	Conversations, flyer distribution	science, policy makers	15
Participation to a Conference	OBE	6. Ressourceneffizienz- und Kreislaufwirtschaftskongress Baden-Württemberg	18 October 2017	Stuttgart, Germany	Presentation at the Congress for Resource Efficiency of the German region Baden-Württemberg, conversations	science, industry, policy makers	2.000
Exhibition	MUL	25th Fakuma – International trade fair for plastics processing	17-21 October 2017	Friedrichshafen, Germany	Booth, flyer distribution, conversations	science, industry	48.375
Participation to an event other than a conference/workshop	SIE	Lange Nacht der Wissenschaften	21 October 2017	Erlangen, Germany	Poster presentation, conversations, demonstrator presentation, flyer distribution	science, general public	100
Organisation of a Workshop	All partners	REProMag Final Event @ World Resource Forum	24-25 October 2017	Geneva, Switzerland	Workshop, flyer distribution, presentations, project roll-up, conversations	science, industry, policy makers, media	30
Other (scientific poster)	FOTEC	Production of anisotropic magnetic NdFeB-parts with injection moulding	25 October 2017	Geneva, Switzerland	Poster with results from the project	science, industry, policy makers, media	cf Final Event
Press release	S2i	Workshop: Ressourceneffiziente Produktion von Magneten aus seltenen Erden	25 October 2017	wissenschaft-im-dialog.de (online magazine)	Online article announcing REProMag's workshop at the Final Event in Geneva	science, industry	1.000
Other (REProMag Academy seminar)	MUL	REProMag Academy - Material extrusion additive manufacturing for metals & ceramics	30 October 2017	Leoben, Austria	Lecture to present results from REProMag to researchers of a Polish university active in the field of metallurgy	science, industry	2
Video/Film	SHR, SIE, S2i, OBE	REProMag EU-H2020 project: Industrial Applications for SDS RE magnets	November 2017	Germany	Third project video created	science, industry, general public, customers	–
Social media (video uploaded)	S2i	REProMag EU-H2020 project: Industrial Applications for SDS RE magnets	Since November 2017	SEZ/S2i YouTube channel	Third project video uploaded on company account	science, industry, general public, policy makers	130
Social media (video uploaded)	MUL	REProMag EU H2020 Project - Applications	Since November 2017	YouTube channel of MUL's researcher	Third project video uploaded on private account	science, industry, general public, policy makers	120

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Press release	OBE, S2i	Magnets that don't cost the earth	3 November 2017	EU Research Winter 2017, UK	Article about the project, its goals and achievements	science, industry, policy makers	100.000
Exhibition	HAGE	FormNext	14-17 November 2017	Frankfurt, Germany	Booth, presentation of REProMag 3D Printer, conversations, REProMag Poster	science, industry, general public, customers, media	20.000
Exhibition	MUL	WerWasWo.Forschung@MUL	13-28 November 2017	Leoben, Austria	Poster exhibition	science, industry, general public	150
Participation to an event other than a conference/workshop	PT+A	10. Münchener Startup Demo Night	14 November 2017	Munich, Germany	Conversations, flyer distribution	science, industry, customers, investors	500
Press release	MUL	Resource Efficient Production of Magnets	15 November 2017	WerWasWo Forschung@MUL	Article describing REProMag and scientific outcomes in MUL scientific magazine	science, industry, general public	1.500
Participation to a Conference	OBE	Karlsruher IHK Konferenz 2017 EU fördert Wachstum und Innovation – Wie können baden-württembergische Kommunen und KMU von europäischen Förderungen profitieren?	17 November 2017	Karlsruhe, Germany	Oral presentation of REProMag as outstanding example of successful R&I partnership and funding by the EC	science, industry, general public, policy makers	80
Other (specific stakeholders acquisition)	HAGE	Customer Event by HAGE Germany	29 November 2017	Nuremberg, Germany	Presentation of REProMag printer, conversations, flyer distribution	industry, customers	50
Other (news)	S2i	Effiziente Produktion von permanenten Magneten aus recycelten seltenen Erden	29 November 2017	S2i Website	Online article about the project final event	science, industry, general public, policy makers	3.000
Other (news)	S2i	EU-Projekt REProMag für den Deutschen Rohstoffeffizienz-Preis nominiert!	30 November 2017	S2i Website	News about REProMag nominated for the German raw materials efficiency award ; the winner will be honored the 25 of January 2018	science, industry, general public, policy makers	3.000
Other (news)	MUL	Projekt mit Leobener Beteiligung für Deutschen Rohstoffeffizienz-Preis nominiert!	30 November 2017	MUL website	News about REProMag nominated for the German raw materials efficiency award ; the winner will be honored the 25 of January 2018	science, industry, general public	200
Participation to a Conference	VuT	36. Hager Symposium Pulvermetallurgie	30 November - 1 December 2017	Hagen, Austria	Conversations, flyer distribution	science, industry	220
Participation to a Conference	OBE	36. Hager Symposium Pulvermetallurgie	30 November - 1 December 2017	Hagen, Austria	Presentation, conversations	science, industry	200
Participation to a Conference	LTZ	36. Hager Symposium Pulvermetallurgie	30 November - 1 December 2017	Hagen, Austria	Presentation, conversations	science, industry	30
Scientific publication	OBE, IJS, MUL, UoB	Ressourceneffiziente Herstellung von MIM-Hartmagneten aus Recyclingmaterial in einem geschlossenen Materialkreislauf	30 November 2017	Proceedings -Pulvermetallurgie in Wissenschaft und Praxis, Band 33, Pulvermetallurgie - Schlüssel zu Mobilität	Paper with results from the project	science, industry	500
Scientific publication	MUL	3D Printing Conditions Determination for Feedstock used in Fused Filament Fabrication (FFF) of 17-4PH Stainless Steel Parts	December 2017	Journal Metallurgija (Croatian Metallurgical Society)	Article with results from the project	science, industry	10.000
Scientific publication	OBE, IJS, MUL, UoB	Isotropic NdFeB hard magnets: MIM production using recycled powders with and without Nd additions	December 2017	PIM Powder Injection Moulding International	Article with results from the project	science, industry	5.000
Participation to a Conference	MUL	PPS 33 - 33rd International Conference of the Polymer Processing Society	10-14 December 2017	Cancún, Mexico	Poster presentation, conversations		+700
Other (scientific poster)	MUL	Poster: Special Binder Systems for Metal Powders in Highly Filled Filaments for Fused Filament Fabrication	14 December 2017	Proceedings of PPS 33	Poster with results from the project	science, industry	cf PPS 33

Type of activity	Partner(s)	What	When	Where	More details on the action(s)	Type of Audience	Audience size
Non-scientific and non-peer reviewed publications	S2i, all	Project newsletter No 5	January 2018	REProMag website and distribution list	Newsletter issued and distributed: project progress, project events, partner testimonial	science, industry	100
Video/Film	OBE	Video for the event Preisverleihung - Deutsche Rohstoffeffizienz-Preis	23 January 2018	Germany	Video created of OBE as nominee to the German Raw Material Efficiency Award with explanation of work and results within REProMag	science, industry, general public, policy makers, media	–
Social media (video uploaded)	OBE	Ohnmacht & Baumgärtner GmbH & Co.KG: REProMag - Ressourceneffiziente Herstellung von Hartmagneten auf Basis Seltener Erden	23 January 2018	Youtube GeoChannel BGR LBEG	Video uploaded on YouTube channel of the organisers of the event Preisverleihung - Deutsche Rohstoffeffizienz-Preis	science, industry, general public, policy makers, media	70
Participation to an event other than a conference/workshop	OBE	Preisverleihung Deutsche Rohstoffeffizienz-Preis 2017	25 January 2018	Berlin, Germany	Oral presentation of REProMag, nominated for the German Raw Material Efficiency Award as outstanding example of advances in raw materials and material efficiency	science, industry, general public, policy makers, media	180
Participation to a Conference	IJS	2nd IEEE Conference on Advances in Magnetism	4-7 February 2018	La Thuile, Italy	Abstract accepted for a poster presentation, conversations, flyer distribution	science, industry	200
Press release	All partners	Manufacturing innovation set to take the 'rare' out of rare-earth magnets	22 February 2018		EC Success Story	science, industry, general public, policy makers	10.000

Table 2: List of scientific publications by partners in the frame of REProMag.

Partner(s)	Type of publication	Title of the publication	Author(s)	Title of the Journal/Proceedings	Number, date or frequency
LTZ, OBE, VuT	Publication in Conference proceeding/Workshop	Lithographic Additive Manufacturing of Metal-Based Suspensions	G. Mitteramskogler, M. Schwentenwein, S. Seisenbacher, C. Burkhardt, O. Weber, C. Gierl-Mayer	Euro PM2017	1 October 2017
MUL	Publication in Conference proceeding/Workshop	Study of rheological behaviour of stainless steel feedstock taking into account the thermal effects	C. Kukla, I. Duretek, S. Schuschnigg, J. Gonzalez-Gutierrez, A. Gooneie, C. Holzer	IBERE015 - Challenges in rheology and product development	7 September 2015
MUL	Publication in Conference proceeding/Workshop	Rheological Behaviour of Bronze Feedstocks at Low Shear Rates	C. Kukla, I. Duretek, J. Gonzalez-Gutierrez, C. Holzer	EuroPM2015	October 2015
MUL	Publication in Conference proceeding/Workshop	Fused Filament Fabrication for Metallic Parts	J. Gonzalez-Gutierrez, S. Schuschnigg, I. Duretek, C. Holzer	25. Leobener Kunststoff-Kolloquium: Kunststoffgerechte Bauteilentwicklung	6 April 2016
MUL	Publication in Conference proceeding/Workshop	Structure of Polypropylene Macromolecules in the Vicinity of Fe2O3 Surface	A. Gooneie, S. Schuschnigg, C. Holzer	25. Leobener Kunststoff-Kolloquium: Kunststoffgerechte Bauteilentwicklung	6 April 2016
MUL	Publication in Conference proceeding/Workshop	Properties for PIM Feedstocks Used in Fused Filament Fabrication	C. Kukla, I. Duretek, S. Schuschnigg, J. Gonzalez-Gutierrez, C. Holzer	World PM 2016	9 October 2016
MUL	Publication in Conference proceeding/Workshop	Special Materials and Technologies for Fused Filament Fabrication	M. Spörk, J. Gonzalez-Gutierrez, C. Kuklab and S. Schuschnigg, C. Holzer	PPS-2016 Polymer Processing Society Asia/Australia Conference	11 October 2016
MUL	Article in journal	Atomistic Modelling of Confined Polypropylene Chains between Ferric Oxide Substrates at Melt Temperature	A. Gooneie, J. Gonzalez-Gutierrez and C. Holzer	Polymers, Volume 8, Issue 10	14 October 2016
MUL	Publication in Conference proceeding/Workshop	Effect of Particle Size on the Properties of Highly-Filled Polymers for Fused Filament Fabrication	C. Kukla, J. Gonzalez-Gutierrez, I. Duretek, S. Schuschnigg, C. Holzer	PPS 32 - AIP Conference Proceedings	2017
MUL	Publication in Conference proceeding/Workshop	Filler Content and Properties of Highly Filled Filaments for Fused Filament Fabrication of Magnets	J. Gonzalez-Gutierrez, I. Duretek, C. Holzer, F. Arbeiter, C. Kukla	ANTEC® 2017	9 May 2017

Partner(s)	Type of publication	Title of the publication	Author(s)	Title of the Journal/Proceedings	Number, date or frequency
MUL, HAGE, OBE	Publication in Conference proceeding/Workshop	Fused Filament Fabrication (FFF) of PIM Feedstocks	C. Kukla, J. Gonzalez-Gutierrez, S. Cano-Cano, S. Hampel, C. Burkhardt, T. Moritz, C. Holzer	VI Congreso Iberoamericano de Pulvimetalurgia	7 June 2017
MUL, FOTEC, OBE	Publication in Conference proceeding/Workshop	Shaping, debinding and sintering of steel components via fused filament fabrication	J. Gonzalez-Gutierrez, D. Godec, C. Kukla, T. Schlauf, C. Burkhardt, C. Holzer	CIM 2017 Computer Integrated Manufacturing and High Speed Machining	8 June 2017
MUL, OBE	Publication in Conference proceeding/Workshop	The production of magnets by FFF - Fused Filament Fabrication	C. Kukla, J. Gonzalez-Gutierrez, C. Burkhardt, O. Weber, C. Holzer	EuroPM2017	1 October 2017
MUL	Article in journal	3D Printing Conditions Determination For Feedstock Used In FFF Of 17-4PH Stainless Steel Parts	J. Gonzalez-Gutierrez, D. Godec, R. Guráñ, M. Spoerk, C. Kukla, C. Holzer	Metalurgija	2017
NPL	Publication in Conference proceeding/Workshop	A novel experimental determination of the magnetometric self- demagnetization factor	N. Hillier, M. Hall, S. Turner, S. Harmon	ICM 2015	July 2015
NPL	Publication in Conference proceeding/Workshop	Measurement of the DC properties of permanent magnets using a Pulsed Field Magnetometer	M. Hall, N. Hillier, S. Harmon, S. Turner	ICM 2015	July 2015
NPL	Publication in Conference proceeding/Workshop	Characterization of bulk rare-earth permanent magnets with complex geometries	N. Hillier, M. J. Hall, S. Turner, S. A. C. Harmon, C. C. A. Hoare and H. J. Rössiter	REPM 2016 - 24th International Workshop on Rare Earth and Future Permanent Magnets and Their Applications	28 August 2016
OBE	Publication in Conference proceeding/Workshop	Ressourceneffiziente Herstellung von Nd-Fe-B Hartmagneten aus Recyclingmaterial	C. Burkhardt	Focus Werkstoffe, Pforzheimer Werkstofftag 2015	2015
OBE, FOTEC, PTA, MUL, UoB	Publication in Conference proceeding/Workshop	Metal Injection Moulding of NdFeB based on Recycled Powders	C. Burkhardt, P. Imgrund, O. Weber, T. Schlauf, K. Pischang, J. Gonzalez-Gutierrez, C. Kukla, M. Degri, I. Rex Harris, L. Pickering, A. Walton	REPM 2016 - 24th International Workshop on Rare Earth and Future Permanent Magnets and Their Applications	28 August 2016
OBE, FOTEC, PTA, MUL, UoB	Publication in Conference proceeding/Workshop	Metal Injection Moulding of NdFeB Based On Recycled Powders	P. Imgrund, O. Weber, T. Schlauf, K. Pischang, L. Pickering, A. Walton, J. Gonzalez-Gutierrez, C. Kukla, C. Burkhardt	World PM 2016	9 October 2016
OBE, HAGE	Publication in Conference proceeding/Workshop	Fused Filament Fabrication (FFF) of 316L Green Parts for the MIM process	C. Burkhardt, P. Freigassner, O. Weber, P. Imgrund, S. Hampel	World PM 2016	9 October 2016
OBE, FOTEC, PTA, MUL, UoB	Article in journal	New approach to production of PIM rare earth magnets	B. Williams (Consulting Editor, PIM International)	PIM Powder Injection Moulding International	March 2017
OBE, IJS, MUL, UoB	Publication in Conference proceeding/Workshop	Tailored Metal Injection Moulding Of Isotropic NdFeB Hard Magnets Based On Recycled Powders With And Without Nd-Additions	C. Burkhardt, O. Weber, B. Podmiljsak , J. Gonzalez-Gutierrez , C. Kukla , M.J. Degri , I.R. Harris, A. Walton	Euro PM2017	1 October 2017
OBE, IJS, MUL, UoB	Publication in Conference proceeding/Workshop	Ressourceneffiziente Herstellung von MIM-Hartmagneten aus Recyclingmaterial in einem geschlossenen Materialkreislauf	C. Burkhardt, O. Weber, B. Podmiljsak , J. Gonzalez-Gutierrez , C. Kukla , M.J. Degri , I.R. Harris, A. Walton	Pulvermetallurgie - Schlüssel zu Mobilität	November 2017
OBE, IJS, MUL, UoB	Article in journal	Isotropic NdFeB hard magnets: MIM production using recycled powders with and without Nd additions	C. Burkhardt, O. Weber, B. Podmiljsak, J. Gonzalez-Gutierrez, C. Kukla, M. Degri, I. R. Harris, A. Walton	PIM Powder Injection Moulding International	December 2017

4. Update of the REProMag Exploitation roadmap

The general exploitation strategy for REProMag is still the initial one described in the deliverable D8.1. Also partners were following a clear methodology in order to build and update regularly the exploitation roadmap for the project results. This methodology is based on the work performed within dedicated workshops organised and moderated by S2i each 6 months, in addition to desktop activities (all partners).

The tables below present 1-the actual list of identified Key exploitable results (by partners) 2-partners main exploitation plans with these results at the end of project. More details on all KER are provided in D8.4.

No	Name of the result	Owner	Contributing partners	TRL
1	RE powder production (recycling) method for manufacturing of RE magnets	UoB	UoB	7
2	Lithography-based metal manufacturing (LMM) process and machinery, including feedstock preparation method	LTZ	LTZ,	4/5
3	Material Extrusion (ME) Feedstock production technology (sinterable filaments)	MUL	MUL	7
4	Production of NdFeB-based feedstock for MIM (2 different type of feedstocks)	MUL, PTA	MUL, PTA	6/7
5	ME printer technology adapted to SDS manufacturing of RE Material	HAGE	HAGE	8/9
6	Production of RE magnetic parts by MIM using the SDS process	OBE	OBE	6/7
7	Decision making support tool	FOTEC	FOTEC	4
8	MIM /3D SDS printed magnetic demonstrator parts for use in innovative motor / generators designs and power electricity	SIE	SIE	2/3
9	MIM /3D SDS printed magnetic demonstrator parts for use in electroacoustic transducers	SHR	SHR	2/3
10	Characterisation of permanent magnets and the standardisation of the Pulsed Field Magnetometry (PFM) measurement technique	NPL	NPL	9

Partner	Main exploitation plans with REProMag's results
UoB	Sell license for recycling method
LTZ	Sell LMM 3D feedstocks & 3D printer, consultancy services
MUL	License Feedstock technology, consultancy services. trainings
PTA	Sell feedstocks, License Feedstock technology, consultancy services
HAGE	Sell ME feedstocks and 3D printer
OBE	Sell SDS RE magnetic parts produced by MIM or ME 3D printing, licensing the SDS technology, trainings
FOTEC	Consultancy services on magnetic alignment and on the decision support tool
SIE	Buy magnetic parts produced via SDS process for integration in own products
SHR	Buy magnetic parts produced via SDS process for integration in own products
NPL	Consultancy services on PMF and Standard creation

5. Conclusion

The present document has for main aim to present the current communication, dissemination and exploitation plans of the REProMag project. The initial plans have been followed by the consortium achieving a total of 223 dissemination & communication activities. In addition 10 key exploitable results have been described and the partner's final exploitation plans identified. Considering the exploitation roadmap for the SDS process there is a huge potential and a potentially high economic (and/or societal) benefit for all industrial partners.