



REE4EU: Integrated High Temperature Electrolysis (HTE) and Ion Liquid Extraction (ILE) for a Strong and Independent European Rare Earth Elements Supply Chain

Project type: Innovation action
Start date of project: 01/10/2015 Duration: 48 months



D10.4 Regular Project Meetings (4 times per year) mini-review

WP n° and title	WP10. Project Management
Responsible Author(s)	SINTEF
Contributor(s)	
Version	Final





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List of abbreviations and definitions

Abbreviation	Definition
CEFIC	The European Chemical Industry Council
HTE	High Temperature Electrolysis
ILE	Ionic Liquid Extraction
KoM	Kick-off meeting
LCM	Less Common Metals
PO	Project Officer from the EU-Commission
PM	Project monitor from the EU-Commission
RE	Rare Earth/s
SPIRE	Sustainable Process Industry through Resource and Energy Efficiency
VAC	Vacuumschmelze GmbH & Co. KG
WP	Work package





Executive Summary

Regular discussions with all partners was key in order to build a consistent work team for project execution. Apart from the physical project meetings every six months with the whole consortium, reviews of the project progress took place almost every month by telecommunications and videoconferencing. Moreover, numerous technical meetings, both face-to-face as well as TELCOs, took place during the project lifetime, but specially during the first months of the project.





1 Introduction

In order to assure a smooth and fluent consortium collaboration, multiple meetings took place through the lifetime of the project (4 years).

Apart from the face-to-face meetings with the whole consortium every 6 months, multiple telephone conferences (almost every month, 35 in total) with the presence of all partners were organised by the project coordinator. Moreover, multiple technical meetings took place, especially during the first year of the project, with the main focus of planning the engineering and build-up of the REE4EU pilot.

2 Face-to-Face Meetings

A total of 10 face-to-face meeting took place during the 4 years' project period.

2.1 Kick-off Meeting, 4-5 October 2015, Brussels

The project, funded in the frame of Horizon 2020 TOPIC SPIRE-07-2015, kicked-off on 4th – 5th October 2015. The meeting took place at the Mid-Norway European office in Brussels, hosted by the coordinator SINTEF, and in the presence of the Project Officer from the EU-Commission, Dr. Istvan Ritz.

The partners were very excited over the project's 4 years ahead and had big expectations in realizing a breakthrough innovation in the field of recovery rare earth elements from RE-containing waste streams, by developing, for the first time at industrial scale, an efficient and cost effective method of extraction and a direct production route for Rare Earth Alloys.



Figure 1. REE4EU consortium at the KoM.

2.2 6M Progress Meeting, 19-20 April 2016, Halmstad (Sweden)

The first progress meeting of the project took place in Halmstad, Sweden, hosted by partner Stena.

Stena just moved to those facilities at the time of the meeting. The consortium could visit the new plant Stena Nordic Recycling Center, which is one of Europe's most modern recycling facilities and forms the hub of the Group's industrial recycling infrastructure.

Stena is key-partner providing raw material that was treated at the REE4EU pilot: almost half a tonne of spent permanent magnets, which was used in the ILE-HTE process, extracting pure RE alloy that was used in the manufacture of new permanent magnets.

While being in Halmstad, the coordinator and Stena prepared the first video launched in the project website, explaining the aim of the project and Stena's role in the consortium.

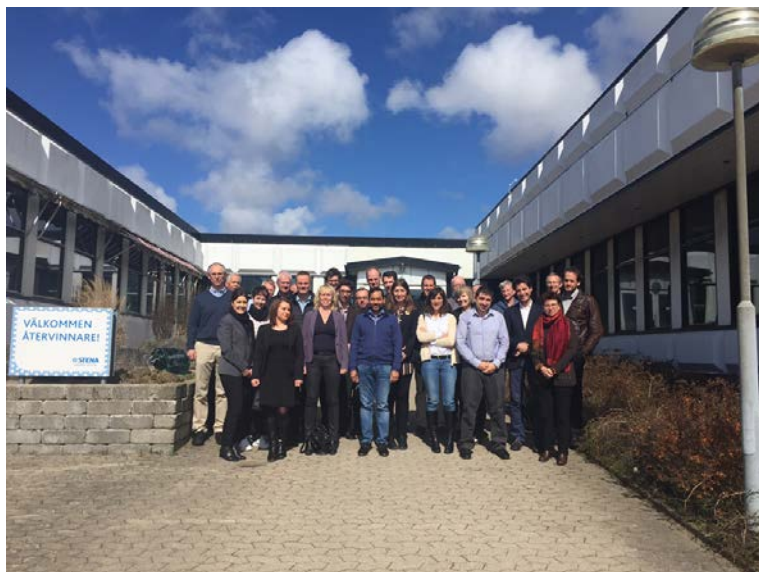


Figure 2. REE4EU consortium at the 6M Progress Meeting, hosted by partner Stena

2.3 12M Progress Meeting, 19-20 October 2016, Trondheim (Norway)

The REE4EU project partners met in Trondheim on 19th – 20th October 2016, to discuss the results achieved so far and plan further steps to be taken. The progress meeting, hosted by SINTEF, the project coordinator, focused mainly on the engineering strategies of the High Temperature Electrolysis (HTE) and Ionic Liquid Extraction (ILE) units of the pilots to be build up at Elkem's (Norway) and LCM's (UK) premises.



Figure 3. REE4EU consortium at the 12M Progress Meeting, hosted by the coordinator, SINTEF

2.4 18M Progress Meeting/First Review Meeting, 19-20 April 2017, Liverpool (UK)

On April 19th - 20th 2017 took place the third project meeting of REE4EU, hosted by the partner LCM, in Liverpool (UK).

The meeting aimed at analysing the progresses done so far, evaluating the activities implemented and taking next steps for future actions. In those days it was also performed the first review meeting, with the presence of the Commission's project monitor, who was glad of the results achieved so far.

The partners discussed about the strategies to be implemented in order to build up the REE4EU's pilot, with a specific focus on its detail engineering design. The consortium also visited the premises of hosting partner





LCM, a world leader in the manufacture and supply of complex alloy systems and metals, specialists in those based on rare earth elements.



Figure 4. REE4EU consortium and Project Monitor from the EU-Commission at the 18M/RV1 Meeting, hosted by partner LCM

2.5 24M Progress Meeting/Midterm Evaluation, 18 September 2017, Brussels

On Monday 18th September 2017, the coordinator, Ana Maria Martinez (SINTEF), welcomed all the REE4EU consortium to the M24 Progress Meeting which coincided with midterm. Especially the project officer from the EU Commission, Dr. Istvan Ritz was welcomed.

During the meeting, the work package leaders presented the updates on the activities realized so far. Dr Ritz informed the consortium that he is satisfied with the progress.

The meeting was very well organized and hosted by CEFIC.

CEFIC is supporting dissemination activities through Europe and beyond within the relevant Process and Chemical industries with particular attention to the European Innovation Partnership on Raw Materials and SPIRE frameworks. In fact, the date of the project meeting has been chosen also in conjunction with the SPIRE Process Industry Conference, where the REE4EU project was presented by the project coordinator.



Figure 5. REE4EU consortium and PO at the 24M/Midterm Meeting, hosted by partner CEFIC





2.6 30M Progress Meeting, 17 April 2018, Hanau (Germany)

On April 17th 2018, the REE4EU partners were hosted by VACUUMSCHMELZE GmbH & Co. KG, in Hanau, for their M30 Progress Meeting.

VACUUMSCHMELZE GmbH & Co. KG is one of the key REE4EU partner, as leading global manufacturer of advanced magnetic materials and related products. The partners gathered to analyse the project status and organize the steps to be taken in the future, according to the project plans. SINTEF, Less Common Metals, PNO Consultants, Elkem and Inovertis presented the activities carried out in the last six months and plans for the next period.

Mr. Bernd Schleede, Director Product Management of VACUUMSCHMELZE GmbH & Co. KG gave a very interesting presentation on the company's history, products and manufacturing methods. This worked also as a very good introduction for the plant tour that the partners had later on during the meeting.



Figure 6. REE4EU consortium at the 30M Progress Meeting, hosted by partner VAC

2.7 Second Review Meeting, 20-21 June 2018, Kristiansand (Norway)

The second review meeting of the REE4EU project took place 20th – 21st June 2018 in Kristiansand (Norway) and it was hosted by Elkem. During the meeting, the project officer and the whole consortium had also the opportunity to visit the Elkem's premises at Fiskå, Norway, where the REE4EU pilot is installed.

The PO from the EU-Commission, Dr. Istvan Ritz, could examine the different units the pilot consists of, namely ILE and HTE units, which were at that time in operation at Elkem. Moreover, an extensive presentation of the results obtained during the trials done so far was given. Up to date, the ILE unit has treated 1.7 tonnes of permanent magnets swarf, giving a total amount of ca. 250 kg of RE oxides. The HTE unit for direct conversion of the RE-oxides into RE alloys is expected to be up-running in August 2018.

The PO was very enthusiastic about the project achievements, which represents a first-time demonstration of closed-loop recycling for permanent magnets at almost industrial scale.



Figure 7. REE4EU consortium and PO at the RV2 Meeting, hosted by partner Elkem

2.8 36M Progress Meeting, 10 October 2018, Viviez (France)

On 10th October 2018, the REE4EU partners were hosted by SNAM, in Viviez. The consortium had the great opportunity to visit their premises: this French company is one of the leading European key-players in the field of collecting and recycling batteries.

For their M36 Progress Meeting, the partners proudly announced that the REE4EU's high temperature electrolysis (HTE) pilot unit is successfully in continuous operation and this is indeed an effective case of how the project transferred knowledge from lab to run a real pilot plant. Elkem and SINTEF teams were very satisfied with these major technical achievements after three years of hard work, and the whole consortium hopes this represents the first milestone towards the future industrial production of rare earth alloys in Europe: being able to really close the loop in permanent magnets' recycling.



Figure 8. REE4EU consortium at the 36M Progress Meeting, hosted by partner SNAM





2.9 42M Progress Meeting/Third Review Meeting, 23 April 2019, Brussels

The third review project meeting took place on the 23rd April 2019 in CEFIC premises, up on the 13th floor of the B40 in Brussels. Wonderful view, great day and interesting talk for the REE4EU consortium that was playing the last year of the project.

The Project Officer Dr. Istvan Ritz and Professor Toru Okabe from the University of Tokyo were the guests of honours.

In this final stage the presented main activities focused on the manufacture and validation of the end-product, which is the permanent magnet produced out of recycled material obtained in the REE4EU pilot. Moreover, the validation of REE4EU technology to other types of RE-containing wastes (nickel metal hydride battery waste) were ready to start after the preparation and commissioning of the pilot equipment at Elkem and SNAM.

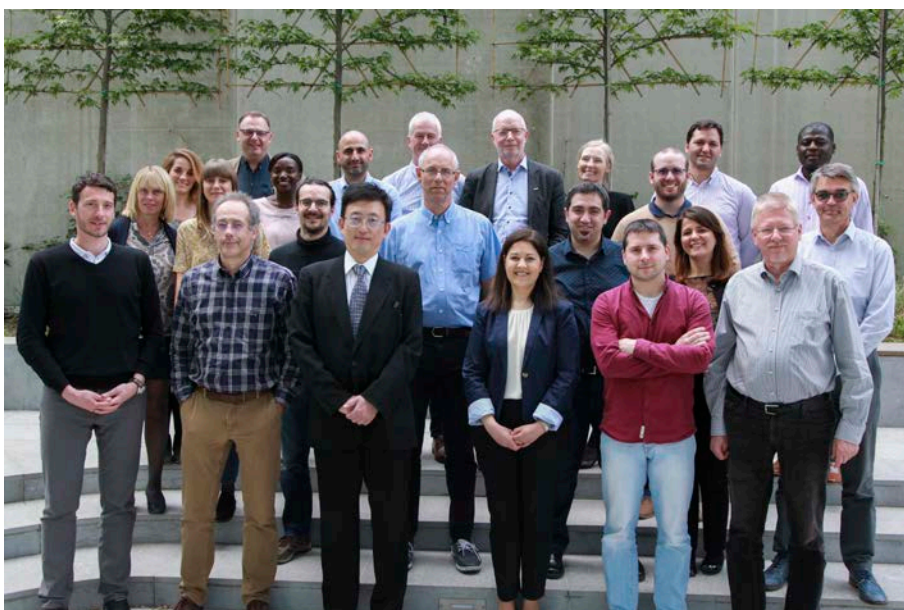


Figure 9. REE4EU consortium and PO at the RV3 Meeting, hosted by partner CEFIC

2.10 Final Meeting, 11 September 2019, Brussels

On September 11th 2019, the REE4EU consortium gathered to present to the EU-Commission's project monitor the latest results and overall achievements after 4 intense years of hard work. Since 1st October 2015, when the project started, all partners have worked hand-in-hand in order to demonstrate the REE4EU technology at pilot scale. For the first time, a closed-loop permanent recycling process has been demonstrated at this level, being able to treat almost 2 tonnes of RE-containing waste from the permanent magnet value chain, producing new rare earth master alloy from the recycled material, and manufacturing new magnets. The project has demonstrated that the magnets manufactured with the recycled material in the industrial line at Vacuumschmelze, possess the same magnetic properties as those obtained using virgin materials. The high quality in the magnetic properties made them suitable for highly efficient electric motors.





Figure 10. REE4EU consortium and Project Monitor from the EU-Commission at the Final Meeting

3 Consortium Telephone Conferences

A total of 35 telephone conferences with the whole consortium were organized by the project coordinator throughout the lifetime of the project, 3 in 2015, 10 in 2016, 8 in 2017, 8 in 2018 and 6 in the last year 2019. This means an average of 9 meetings pre year.

During the TELCOs, a status of the activities was provided by all partners, encountered hurdles discussed, and further plans debated.

Minutes of all meetings were prepared by the project coordinator and distributed to the consortium via the project platform.

A detailed summary of all TELCOs is given in Table 1.

4 Technical Meetings

Several technical meetings, both face-to-face as well as TELCOs, took place during the project lifetime. Face-to-face meetings were carried out especially during the first 18 months of the project.

The main goal of the REE4EU project was to engineer, upscale, pilot and prove a more efficient novel direct rare earth alloys (REA) production route for permanent magnets from industrial residues and side streams. Then, team-work and good planning from the very beginning of the project was crucial. In this way, it is important to mention the following technical meetings:

- Kick-off meeting for planning the engineering work of the pilot REE4EU ILE+HTE solution within dedicated facilities for REA production from PM-waste, which was installed at Elkem. On January 2016 all partners involved in technical activities gathered at partner Elkem's premises at Fiskå, Norway. Apart from common discussions, discussions in groups for the ILE and HTE process, separately were carried out. Elkem, together with the partners responsible for engineering the REE4EU solution established a road map for the work in the following months, until the basic engineering blueprint documentation was accomplished (planned for M18).
- Kick-off meeting for planning the engineering work of the pilot REE4EU ILE unit. On December 2015, partners responsible for the development of the ILE process at pilot scale gathered at partner Tecnalia's premises in San Sebastian, Spain. Tecnalia, as technology provider for the ILE process welcomed Elkem, and Idener teams, to understand the challenges of the process.





- Kick-off meeting for planning the engineering work of the pilot REE4EU HTE unit. On June 2016, partners responsible for the development of the HTE process at pilot scale gathered at partner SINTEF's premises in Trondheim, Norway. SINTEF, as technology provider for the HTE process welcomed Elkem, LCM, Idener and UPS teams, to understand the challenges, and develop a road map until complete basic engineering blueprint documentation.

A summary of all technical meetings during the whole project's lifetime is gathered in Table 1.

5 Summary of Project Meetings

The summary of all project meetings carried out throughout the project lifetime is given in the following Table:

Table 1. Summary of all project meetings throughout the project lifetime. Lilla shaded represent the face-to-face progress and review meetings with the consortium, while green-shaded are the consortium's TELCO meetings. Other WP meetings are also given.

Meeting	Date	Venue	Attendants
Kick-off meeting	5-6 October 2015	Brussels (Belgium)	The whole consortium and PO
Status meeting #1	13 October 2015	Skype for business	The whole consortium except LCM, VAC, CEA, SNAM, Avere, CEFIC, UPS
WP1 meeting ILE step	15 October 2015	San Sebastian (Spain)	Tecnalia, IDENER
WP2 meeting HTE step	2 November 2015	Trondheim (Norway)	SINTEF, Elkem
Status meeting #2	10 November 2015	Skype for business	The whole consortium except LCM, Elkem, CEA, STENA, Avere, PNO, CEFIC, UPS
WP2 meeting HTE step	7-8 December 2015	Trondheim (Norway)	SINTEF, UPS, Elkem
WP1-WP3 ILE step technical meeting	9 December 2015	San Sebastian (Spain)	Tecnalia-Elkem-IDENER
Status meeting #3	10 December 2015	Skype for business	The whole consortium except LCM, VAC, Elkem, IDENER, Avere, UPS, CEFIC
WP1 meeting HM process	11 January 2016	Skype	CEA, SNAM
Status meeting #4	12 January 2016	Skype for business	The whole consortium except LCM, Avere
WP4-WP5 meeting HTE step	14 January, 2016	Liverpool (UK)	LCM, Elkem
WP3 ILE step	13 January 2016	WEBEx	Inovertis-SINTEF-IDENER
WP3 ILE-HTE engineering	28-29 January 2016	Kristiansand (Norway)	SINTEF, Tecnalia, Elkem, Inovertis-IDENER, LCM, STENA
Status meeting #5	9 February 2016	Skype for business	The whole consortium except LCM, VAC, CEA, Avere, UPS
WP1 meeting HM process	12 February 2016	Skype	CEA, SNAM
WP1-WP3 ILE step	16 February 2016	Madrid (Spain)	Tecnalia, IDENER
WP3 ILE engineering strategy (draft) presentation	22 February 2016	Skype for Business	Elkem, Inovertis, IDENER, SINTEF
WP1-WP3 ILE step technical Meeting	24-25 February 2016	Tecnalia premises in Madrid (Spain)	Tecnalia, IDENER
Status meeting #6	7 March 2016	Skype for business	The whole consortium except LCM, VAC, Avere, PNO, UPS





WP1-WP3 ILE step technical meeting	9-10 March 2016	San Sebastian (Spain)	Inovertis, Tecnalia, IDENER
WP1-WP3 ILE step final concept	17 March 2016	Skype for Business	IDENER-Elkem, Tecnalia, SINTEF, Inovertis
WP1 meeting HM process	24 March 2016	Skype	CEA, SNAM
WP1-WP3 ILE engineering strategy consolidation	30 March 2016	Skype for business	Inovertis, Elkem, SINTEF, IDENER
Status meeting #7	12 April 2016	Skype for business	The whole consortium except LCM, Elkem, CEA, Avere, UPS
6M progress meeting	19-20 April 2016	Halmstad (Sweden)	The whole consortium
WP3 ILE process concept review	21-22 April 2016	Kristiansand (Norway)	Elkem, Inovertis, IDENER, Tecnalia (joined by phone)
WP3 Material needs discussion	12 May 2016	Skype for business	Elkem, Inovertis, SINTEF, Tecnalia, VAC, SNAM, STENA
WP1 ILE step technical meeting	12 May 2016	Skype for business	Tecnalia, IDENER
Status meeting #8	19 May 2016	Skype for business	The whole consortium except Tecnalia, LCM, CEA, PNO, CEFIC, UPS
WP1 meeting HM process	9 June 2016	Skype	CEA, SNAM
WP3 – WP2 HTE process review	13 June 2016	Trondheim (Norway)	SINTEF, Elkem
WP3 – WP2 kick-off HTE process engineering	21-22 June 2016	Trondheim (Norway)	SINTEF, UPS, LCM, IDENER
Status meeting #9	28 June 2016	Skype for business	The whole consortium except LCM, Elkem, CEA, UPS
WP3 HTE step discussion	30 June 2016	Skype for business	SINTEF, Elkem, IDENER
WP1-WP3 ILE step consolidation	12 July 2016	San Sebastian (Spain)	Tecnalia, Elkem, Inovertis, IDENER
Status meeting #10	13 September 2016	Skype for business	The whole consortium except VAC, STENA
WP1-WP3 ILE step technical meeting	13 September 2016	Skype for business	Tecnalia, Elkem, Inovertis, IDENER, SINTEF
WP1 meeting	13 September 2016	Skype	CEA, SNAM
WP2 HTE step technical meeting	20-21 September 2016	Toulouse (France)	SINTEF, UPS
WP1 ILE step technical meeting	26 September 2016	Skype for business	Tecnalia, IDENER
Status meeting #11	4 October 2016	Skype for business	The whole consortium except Tecnalia, VAC
12M progress meeting	19-20 October 2016	Trondheim (Norway)	The whole consortium, except partners STENA and CEFIC
WP1-WP3 ILE step technical meeting	24 October 2016	Skype for business	Tecnalia, Elkem, Inovertis, IDENER, SINTEF
WP1-WP3 ILE step technical meeting	27 October 2016	Skype for business	Tecnalia, Elkem, Inovertis, IDENER, SINTEF
WP1-WP3 ILE step technical meeting	8 November 2016	Skype for business	Tecnalia, Elkem, Inovertis, IDENER, SINTEF
Status meeting #12	12 November 2016	Skype for business	The whole consortium except CEA,
WP1-WP3 Technical meeting	12 November 2016	Skype for business	Tecnalia, Elkem, Inovertis, IDENER, SINTEF





WP3 HTE process design	25 November 2016	Skype for business	IDENER, SINTEF, UPS, LCM, Elkem
WP3 ILE step review	14 December 2016	Skype for business	SINTEF, Tecnalia, Inovertis, Elkem, IDENER
Status meeting #13	15 December 2016	Skype for business	The whole consortium except STENA, CEA, PNO, CEFIC
WP3 HTE budget estimation	21 December 2016	Skype for business	IDENER, ELKEM
Status meeting #14	17 January 2017	Skype for business	The whole consortium except STENA, CEA, CEFIC
WP3 ILE step technical meeting	24-25 January 2017	Kristiansand (Norway)	Inovertis, Elkem
WP9, Socio-economic analysis	13 February 2017	Skype	PNO-I, PNO-Italy, Inovertis
WP3 HTE process engineering	15-16 February 2017	Sevilla (Spain)	IDENER, SINTEF, UPS, Elkem, LCM (by phone parts of the meeting)
Status meeting #15	21 February 2017	Skype for business	The whole consortium except LCM, CEA, Avere, UPS
WP3-WP5 Hazid HTE step	16-17 March	Kristiansand (Norway)	IDENER, Elkem, SINTEF (2 hours by phone)
Status meeting #16	17 March 2017	Skype for business	The whole consortium except VAC, Elkem, IDENER
WP2-WP4 HTE step knowledge transfer	22 March 2017	Liverpool (UK)	LCM, SINTEF
Status meeting #17	4 April 2017	Skype for business	The whole consortium except AVERE
Discussions about the budget to build-up the pilot at Elkem	6 April 2017	Skype for business	Coordinator team and Elkem
18M progress meeting and review meeting RV1	19-20 April 2017	LCM, Liverpool (UK)	The whole consortium and project monitor (Emilio Nieto)
WP5/WP7-HAZID HTE unit	25-26 April 2017	Elkem, Kristiansand (Norway)	Elkem, Idener, SINTEF participated by Skype
WP5/WP7 HTE unit cover designed by Idener	27 April 2017	Skype for business	Elkem, SINTEF, Idener
HTE-MDO	8 May 2017	Skype for business	Idener and SINTEF
Status meeting #18	16 May 2017	Skype for business	The whole consortium except AVERE
WP5 Pilot, technical meeting	30 May 2017	Skype for business	Elkem, Tecnalia, SINTEF
Status meeting #19	27 June 2017	Skype for business	The whole consortium except AVERE, UPS, CEA, PNO-Italy (Ciaotech)
WP4-HTE on-line FTIR gas analysis, planning of the pilot trial	15 August 2017	Skype for business	LCM, SINTEF
Status meeting #20	29 August 2017	Skype for business	The whole consortium except LCM, AVERE, CEFIC
WP9-Dissemination activities	1 September 2017	Skype for business	Coordinator, AVERE
IPR workshop	6 September 2017	Skype for business	Coordinator, PNO, Ciaotech
WP9, Task 9.3. Socio-economic analysis	7 September 2017	Skype for business	Inovertis, SINTEF, Tecnalia, PNO, SNAM, Elkem, STENA, Idener,
24M progress meeting, midterm meeting	18 September 2017	CEFIC, Brussels	Project consortium and PO (Istvan Ritz)
WP9, D9.4	2 October 2017	Skype for business	Coordinator, PNO





WP2-Task 2.4 preparations HTE pre-pilot runs (REO mix)	6 October 2017	Skype for business	SINTEF, UPS
WP6-LCA preparations	6 October 2017	Skype for business	Inovertis, Tecnalia
WP5/WP7 ILE unit costs	9 November 2017	Skype for business	Coordinator team, Elkem
WP4-Task 4.3. REMA achievement	20 November 2017	Skype for business	Coordinator team, LCM, VAC
Status meeting #21	21 November 2017	Skype for business	The whole consortium except STENA, Ciaotech, CEA, CEFIC, UPS
WP9-Dissemination activities	23 November 2017	Skype for business	Coordinator, AVERE
Discussions on pilot budget	13 December 2017	At SINTEF	Coordinator, Elkem
WP9-Newsletter	4 January 2018	Skype for business	Coordinator, Ciaotech
Status meeting #22	10 January 2018	Skype for business	The whole consortium except CEFIC
WP5/WP7 Pilot	19 January 2018	Skype for business	Tecnalia, Elkem
WP5/WP7 Pilot	7 February 2018	Skype for business	Tecnalia, Elkem
WP5 pilot runs, initial trials of PMS leaching at Elkem	26 Feb-1 March 2018	Physical meeting in Kristiansand (Norway)	Tecnalia, Elkem
Status meeting #23	6 March 2018	Skype for business	The whole consortium except UPS
30M progress meeting preparations	26 March 2018	Skype for business	Coordinator, VAC
Status meeting #24	9 April 2018	Skype for business	The whole consortium except VAC, CEA, UPS, CEFIC, Idener
WP9-Exploitation strategy	26 April 2018	Skype for business	Coordinator, PNO, CEFIC, AVERE
30M progress meeting	17 April 2018	VAC, Hanau (Germany)	The whole consortium
WP9-Dissemination	4 May 2018	Skype for business	Coordinator, Ciaotech
Status meeting #25	22 May 2018	Skype for business	The whole consortium except VAC, UPS
RV2 preparations	11 June 2018	Skype for business	Coordinator, Elkem
RV2 preparations	18 June 2018	Skype for business	The whole consortium
RV2 preparations	19 June 2018	Elkem, Kristiansand (Norway)	SINTEF, Elkem, Idener
Review meeting RV2	20-21 June 2018	Elkem, Kristiansand (Norway)	The whole consortium and the PO (Istvan Ritz)
WP9-Dissemination	25 June 2018	Skype for business	Coordinator, PNO
WP5/WP7 HTE preparations for pilot runs	29 June 2018	Skype for business	SINTEF, Elkem
WP5/WP7 HTE preparations for pilot runs	9 August 2018	Skype for business	SINTEF, Elkem
WP9-Dissemination Video pilot runs	17 August 2018	Skype for business	Coordinator, Ciaotech
WP5/WP7 HTE preparations for pilot runs	28 August 2018	Skype for business	SINTEF, Elkem
WP5/WP7 HTE preparations for pilot runs	30 August 2018	Skype for business	SINTEF, Elkem





WP9-Newsletter	5 September 2018	Skype for business	Coordinator, Ciaotech
WP5/WP7 HTE preparations for pilot runs	5 September 2018	Skype for business	SINTEF, Elkem
Status meeting #26	12 September 2018	Skype for business	The whole consortium except VAC
WP9-Dissemination	12 September 2018	Skype for business	Coordinator, PNO, AVERE
WP5/WP7 HTE pilot runs, autopsy of the HTE cell and further actions	19-20 September 2018	Elkem (Kristiansand)	SINTEF, Elkem
WP5/WP7/WP8 pilot runs at Elkem-budget and remaining activities	1 October 2018	Skype for business	SINTEF, Elkem
Status meeting #27	3 October 2018	Skype for business	The whole consortium except LCM, VAC, CEA, AVERE
36M progress meeting	10 October 2018	SNAM, Viviez (France)	The whole consortium, except AVERE
WP9-Planning of exploitation workshop	24 October 2018	Skype for business	PNO, SINTEF, Ciaotech, AVERE, CEFIC
WP9-Exploitation possibilities of the HTE technology	25 October 2018	Skype for business	PNO, SINTEF, Elkem
Status meeting #28	7 November 2018	Skype for business	The whole consortium except Elkem, Idener, SNAM, UPS
WP6-HTE LCA Inventory	22 November 2018	Skype for business	Inovertis, SINTEF
WP9-Exploitation possibilities of the HTE technology	30 November 2018	Skype for business	SINTEF, Elkem
Status meeting #29	18 December 2018	Skype for business	The whole consortium except STENA, CEA, UPS, Ciaotech
WP6-LCI review	21 December 2018	Skype for business	Inovertis, Tecnalía
Status meeting #30	29 January 2019	Skype for business	The whole consortium except Elkem, AVERE, UPS
Status meeting #31	26 February 2019	Skype for business	The whole consortium except LCM, VAC, Ciaotech
WP6-WP9-LCA and SEA results	15 March 2019	Skype for business	Inovertis, PNO, Elkem, CEFIC, LCM
WP8-Adapting REE4EU pilot by MDO tool	15 March	Skype for business	SINTEF, Idener
WP6-WP9-LCA and SEA results	19 March 2019	Skype for business	Inovertis, SINTEF, Elkem
Status meeting #32	2 April 2019	Skype for business	The whole consortium except LCM, Idener, STENA, AVERE, UPS
WP9-Economic evaluation of REE4EU's technology-Discussion of results	3 April 2019	Skype for business	Inovertis, SINTEF, AVERE
WP9-Economic evaluation of REE4EU's technology-Discussion of results	11 April 2019	Skype for business	Inovertis, SINTEF, AVERE
WP8-presentation at the RV3 meeting	12 April 2019	Skype for business	SINTEF, Elkem, Tecnalía
WP9-Exploitation workshop preparations	15 April 2019	Skype for business	PNO, SINTEF





WP8-presentation at the RV3 meeting	16 April 2019	Skype for business	SINTEF, Elkem
42M progress meeting and Review meeting RV3	23 April 2019	CEFIC, Brussels	The whole consortium and the PO (Istvan Ritz)
Exploitation WS	24 April 2019	PNO, Brussels	Workshop to show the project results to invited external stakeholders (industry and EC-Comm)-All partners except Tecnalía, UPS, CEA
Status meeting #33	20 May 2019	Skype for business	The whole consortium except LCM, STENA, CEA, AVERE, UPS, CEFIC
Status meeting #34	25 June 2019	Skype for business	The whole consortium except VAC, STENA, AVERE, Ciaotech
WP5/WP7/WP8-presentation at the final meeting	13 August 2019	Skype for business	SINTEF, Elkem
Status meeting #35	27 August 2019	Skype for business	The whole consortium except PNO and Elkem
Final Meeting	11 September 2019	CEFIC, Brussels	The whole consortium and the PM

Acknowledgements

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 680507

