

## EUROPEAN COMMISSION

HORIZON 2020 PROGRAMME - TOPIC H2020-LC-BAT-2019  
Strongly improved, highly performant and safe all solid-state batteries for  
electric vehicles.

GRANT AGREEMENT No. 875189



## **SAFELiMOVE – Deliverable Report** D10.7 Newsletters

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<b>Written By</b>	Wieteke van Balen (UNR) Maaïke van der Kamp (UNR)	2023-11-24 2023-11-24
<b>Checked by</b>	Stephane Levasseur (UMC)	2023-11-27
<b>Reviewed by (if applicable)</b>	Massimo De Pieri (LCE) Iratxe Gonçalves (CICe)	2023-12-07 2023-12-22
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## Introductory summary

The overall aim of WP10 - Dissemination, exploitation strategy & business plans is to increase the visibility of SAFELiMOVE and support the impact of the project. To ensure this aim is achieved, dissemination and communication activities have been undertaken. The overall aim of the dissemination activities within the SAFELiMOVE-project is to maximise the dissemination of results and to express them in terms that are readily understandable. This is in order to not only address experts in the field of high energy density batteries, but also stakeholders at governments, industry and suppliers, in order to accelerate the implementation of the research findings.

This document shows an overview of the achievements of the dissemination activities and tools performed as part of Task 10.1 and as described in D10.1 – Dissemination tools and D10.2 – Dissemination plan. It includes an overview of the electronic newsletters throughout the project time-line, as well as the other dissemination activities (website, social media (Twitter/X), cluster event, SAFELiMOVE videos), including audience reached.

This deliverable shows that most of the KPIs related to these activities have been met. It also shows that the activities have reached a worldwide audience.

There were no deviations from planned timings nor from planned objectives.

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# 1 Newsletters

This chapter contains two sections. The first section gives an overview of the newsletters sent, the second section shows an analysis of the audience reached.

## 1.1 Newsletters sent

Until now, seven SAFELiMOVE newsletters have been prepared and sent. These are shown below including a link where they are shown in more detail. The eighth and last deliverable will be sent in January 2024 and is currently under preparation. It will include an overview of the major SAFELiMOVE achievements.

Newsletter 1 – [Click here](#)



Newsletter 2 – [Click here](#)



Newsletter 3 – [Click here](#)



Newsletter 4 – [Click here](#)

**SAFE Li MOVE**

NEWSLETTER WINTER 2022

**High Throughput level Cell**

December 2022: The general goal of High Throughput Battery Testing (HTBT) in SAFE Li MOVE is to assess the feasibility of high-throughput testing for the optimization of battery materials, processes, and manufacturing. The HTBT method based on the principle of the electrochemical impedance spectroscopy (EIS) was presented in the previous newsletter. In this newsletter, we report on the progress of the HTBT method. The HTBT method is based on the principle of the electrochemical impedance spectroscopy (EIS) and is used to assess the feasibility of high-throughput testing for the optimization of battery materials, processes, and manufacturing. The HTBT method is based on the principle of the electrochemical impedance spectroscopy (EIS) and is used to assess the feasibility of high-throughput testing for the optimization of battery materials, processes, and manufacturing.

**Delivery of materials, composites monolayer cells, towards 1 Ah-class solid-state cell configuration**

July 2022: After optimization of electrode and electrolyte materials, the next step is the development of a solid-state battery cell configuration. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**Characteristics of hybrid electrolyte surface and interface**

June 2022: The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**Handling of lithium metal anode**

May 2022: After optimization of electrode and electrolyte materials, the next step is the development of a solid-state battery cell configuration. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**CLICs hosted the second face-to-face meeting of the SAFE Li MOVE project**

May 2022: CLICs hosted the second face-to-face meeting of the SAFE Li MOVE project. The meeting was held in person and was attended by representatives from all project partners. The meeting was held in person and was attended by representatives from all project partners.

**Interview with Aurélie Cougnet from IMC**

May 2022: Aurélie Cougnet from IMC is a leading expert in the field of solid-state batteries. In this interview, she discusses the challenges and opportunities of solid-state battery technology. Aurélie Cougnet from IMC is a leading expert in the field of solid-state batteries. In this interview, she discusses the challenges and opportunities of solid-state battery technology.

**Partners of SAFE Li MOVE project**

The SAFE Li MOVE project is supported by the European Commission (ERC) under the Horizon 2020 programme. The project partners include IMC, TU/e, and other leading research institutions in the field of battery technology.

Newsletter 5 – [Click here](#)

**SAFE Li MOVE**

NEWSLETTER WINTER 2022

**Delivery of 1st generation of 1 Ah SAFE Li MOVE solid-state pouch cells**

December 2022: After optimization of electrode and electrolyte materials, the next step is the development of a solid-state battery cell configuration. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**SAFE Li MOVE at the IHA2022**

November 2022: SAFE Li MOVE participated in the IHA2022 conference. The conference was held in person and was attended by representatives from all project partners. The conference was held in person and was attended by representatives from all project partners.

**ALCRAI Cluster – 2nd joint Newsletter**

November 2022: The ALCRAI Cluster is a leading research institution in the field of battery technology. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**Interview with Arvid Malm from Abb**

November 2022: Arvid Malm from Abb is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology. Arvid Malm from Abb is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology.

**Interview with Antonio Guibernet-Lando from CLIC/IC Energy Storage**

November 2022: Antonio Guibernet-Lando from CLIC/IC Energy Storage is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology. Antonio Guibernet-Lando from CLIC/IC Energy Storage is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology.

**Interview with Jürgen Figgauer from RWTH Aachen University**

November 2022: Jürgen Figgauer from RWTH Aachen University is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology. Jürgen Figgauer from RWTH Aachen University is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology.

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Newsletter 6 – [Click here](#)

**SAFE Li MOVE**

NEWSLETTER WINTER 2022

**Synthesis and characterization of hybrid electrolyte**

May 2022: SAFE Li MOVE is a leading research institution in the field of battery technology. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**Successful project review meeting after month 26**

May 2022: The project review meeting was held in person and was attended by representatives from all project partners. The meeting was held in person and was attended by representatives from all project partners.

**Post-mortem investigation of a solid-state battery**

May 2022: After optimization of electrode and electrolyte materials, the next step is the development of a solid-state battery cell configuration. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**Delivery of materials: oxide material, polymer electrolyte, active material and lithium metal**

May 2022: After optimization of electrode and electrolyte materials, the next step is the development of a solid-state battery cell configuration. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**Solid-State Large pouch cell design & prototype assembly definition**

May 2022: After optimization of electrode and electrolyte materials, the next step is the development of a solid-state battery cell configuration. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**ALCRAI 12th Cluster Joint Event in Grenoble at 27-28 Sep 2022**

September 2022: The ALCRAI Cluster is a leading research institution in the field of battery technology. In this newsletter, we report on the progress of the development of a solid-state battery cell configuration. The development of a solid-state battery cell configuration is a complex task that requires the integration of various materials and processes.

**SAFE Li MOVE Consortium Meeting Jan 2022**

January 2022: The SAFE Li MOVE Consortium Meeting was held in person and was attended by representatives from all project partners. The meeting was held in person and was attended by representatives from all project partners.

**Interview with Muhammad Awwad from IU Berlin**

January 2022: Muhammad Awwad from IU Berlin is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology. Muhammad Awwad from IU Berlin is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology.

**Interview with Andrew Hadow from SCHOI I**

January 2022: Andrew Hadow from SCHOI I is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology. Andrew Hadow from SCHOI I is a leading expert in the field of battery technology. In this interview, he discusses the challenges and opportunities of solid-state battery technology.

**Partners of SAFE Li MOVE project**

The SAFE Li MOVE project is supported by the European Commission (ERC) under the Horizon 2020 programme. The project partners include IMC, TU/e, and other leading research institutions in the field of battery technology.

Newsletter 7 – [Click here](#)

The screenshot displays the content of Newsletter 7. At the top is the 'SAFE Li MOVE' logo. Below it, the main article is 'Looking back at the #LCSAI12019 Cluster Joint Event', dated December 2022, with a sub-headline 'Cluster Joint Event'. To the right of this article is a small image showing a group of people at a meeting. Below this is a yellow bar with the text 'News & Events from the Li MOVE 2023'. The next article is 'Delivery of 2nd generation (Gen 2) solid-state pouch cells to project partners for further testing', dated August 2022, with a sub-headline 'Delivery of 2nd generation (Gen 2) solid-state pouch cells to project partners for further testing'. Below this is another yellow bar with 'Research and Innovation in the Li MOVE 2023'. The following article is 'Cell model and production expect solid state batteries', dated August 2022, with a sub-headline 'Cell model and production expect solid state batteries'. To the right of this article is a diagram showing a battery cell structure. Below this is a yellow bar with 'Recycling and Sustainability in the Li MOVE 2023'. The next article is 'Recycling study on electric Vehicle cells with focus on solid-state technologies', dated June 2022, with a sub-headline 'Recycling study on electric Vehicle cells with focus on solid-state technologies'. Below this is a yellow bar with 'Manufacturing of the 10Ah format all solid-state cells for 24V module demonstrator building and testing'. The article is dated November 2022 and has a sub-headline 'Manufacturing of the 10Ah format all solid-state cells for 24V module demonstrator building and testing'. To the right of this article is an image of a battery module. Below this is a yellow bar with 'Electrodes and separator strips manufacturing'. The article is dated June 2022 and has a sub-headline 'Electrodes and separator strips manufacturing'. Below this is a yellow bar with 'Alexander Heitge from UWIChTc'. The article is dated November 2022 and has a sub-headline 'Alexander Heitge from UWIChTc'. Below this is a yellow bar with 'Abdelbasset Gueeth from H2'. The article is dated November 2022 and has a sub-headline 'Abdelbasset Gueeth from H2'. Below this is a yellow bar with 'Adrian März from H2NAULT'. The article is dated November 2022 and has a sub-headline 'Adrian März from H2NAULT'. At the bottom of the newsletter, there is a row of logos for various partners: STAGG, TOSOH, YONEX, WAKAR, QOR, celtatec, TUB, ABBE, and others. Below the logos is a small text block and the European Union flag.

Figure 1: Overview of SAFE Li MOVE newsletters (status November 2023)

In addition to the SAFELiMOVE-newsletters, LCBAT12019 cluster newsletters were also sent. The first cluster newsletter was prepared by SAFELiMOVE-partners. The three newsletters sent are shown below.

LCBAT12019 cluster Newsletter 1 – [Click here](#)

LCBAT12019 cluster Newsletter 2 - [Click here](#)

LCBAT12019 cluster Newsletter 3 - [Click here](#)

Figure 2: Overview of LCBAT12019 newsletters



## 1.2 SAFELiMOVE newsletter audience

The SAFELiMOVE newsletter has 142 subscribers (status November 2023). Next to the consortium partners, these are partners from the LCBAT12019 cluster, including AIT, MIMITech, Solvay and IMEC

Other subscribed organisations include a wide variety companies and research organisations:

- **Ampcera:** Innovator in high performance solid-state electrolyte materials and scalable manufacturing technology for next-gen lithium batteries.
- **Baikowski:** Industrial manufacturer of high purity alumina, Spinel, YAG, Zirconia & Ceria.
- **Fondazione Bruno Kessler:** Research institute with 11 centres dedicated to technology and innovation and to the humanities and social sciences.
- **JRC:** Provides independent, evidence-based knowledge and science, supporting EU policies to positively impact society.
- **LG chem:** A chemical manufacturer, subsidiary of LG Corp. The company manufactures and markets petrochemicals, IT and electronic materials, and energy solutions.
- **Ola Electric:** Ola Electric Mobility is an Indian electric two-wheeler manufacturer.
- **Pipistrel:** Pipistrel by Textron eAviation is a company in electric aircraft and is focused on sustainable flying.
- **Tecpetrol:** Tecpetrol explores and produces oil and gas in Argentina, Bolivia, Colombia, Ecuador, Mexico, Peru and Venezuela.
- **ZEON:** Zeon is a chemicals manufacturer that produces raw materials for a wide variety of products.

The figure below shows an overview of the worldwide distribution of the organisations subscribed to the newsletter outside the consortium and cluster.



**Figure 3:** Distribution of organisations subscribed to the newsletter outside the consortium and cluster

The table below shows some statistics for each newsletter sent, including date sent, amount of people the newsletter was sent to, the percentage of people that opened the newsletter and the percentage of people that clicked on an item. Newsletter 5 was opened and clicked on the most in comparison with the others. As the content was pretty much the same as the newsletters before and after, the special Christmas appearance might have been the reason for more receivers to read & click it.

**Table 1:** Newsletter statistics

Newsletter No	Date sent (dd-mm-yyyy)	Sent to	Opened by	Clicked on input	Most clicked item
1	16-06-2020	97	38%	10%	<a href="#">Kick Off Meeting</a>
2	09-03-2021	100	28%	8%	<a href="#">SAFELiMOVE the Movie</a>
3	09-12-2021	103	31%	9%	<a href="#">MS3</a>
BAT-1	27-01-2022	100	38%	10%	<a href="#">SAFELiMOVE the Movie</a>
4	20-09-2022	107	36%	15%	<a href="#">Electrochemical model of all solid-state LiM battery</a>
BAT-2	29-11-2022	106	48%	30%	<a href="#">TRA Conference</a>
5	20-12-2022	140	49%	34%	<a href="#">High Throughput Test Cell</a>
6	13-06-2023	139	29%	17%	<a href="#">D3.3</a>
7	17-10-2023	144	35%	16%	<a href="#">MS7</a>
BAT-3	14-12-2023	142	23%	6%	<a href="#">YouTube link to event</a>

## 2 Website

The SAFELiMOVE website - <https://safelimove.eu/> - was live as from May 2020, M5 in the project.

The project website has been updated regularly with new items regarding:

- results, including the newsletters
- visited conferences
- consortium meetings
- publications
- interviews with partners about their work within the project

These updates were all indicated on the “news and events” page. The figure below shows the news & events page with the updates for the period August- October 2023.

**SAFE **Li** MOVE**

Project ▾ Results ▾ **News & Events** ▾ Partners ▾

### News & Events

**zenodo**

"Transport Properties and Local Ions Dynamics in LAMP-Based Hybrid Solid Electrolytes"

October 2023

[Read more →](#)

**SAFE **Li** MOVE**

NEWSLETTER 7 OUT NOW

Newsletter #07

October 2023

[Read more →](#)

**LCE**

Get to know Massimo de Pieri from LCE

October 2023

[Read more →](#)

**ECS**

The Electrochemical Society

244TH ECS MEETING  
GOTHENBURG  
SWEDEN

October 8-12, 2023

SAFELiMOVE at the 224th ECS Meeting

08-12 October 2023 in Gothenburg, Sweden

[Read more →](#)

Manufacturing of the all solid-state 3 Ah cells for 24V module demo building and testing

September 2023

[Read more →](#)

**cea**

Get to know Lise Daniel from CEA

September 2023

[Read more →](#)

Innovation and Networking Days on All-Solid-State Battery Technologies

27-28 September 2023 in Grenoble, France

[Read more →](#)

**FEMS EUROMAT 23**

SAFELiMOVE at the FEMS EUROMAT 2023

03-07 September 2023 in Frankfurt, Germany & online

[Read more →](#)

Battery cell production

Cost model and production aspects of solid-state batteries

August 2023

[Read more →](#)

Figure 4: Overview of the News/Events page on the website for the period Aug-Oct 2023

Next to the News & Events page, a timeline with results (page “Results”) was regularly updated as well, see figure below for period Sep 2022 - Oct 2023.

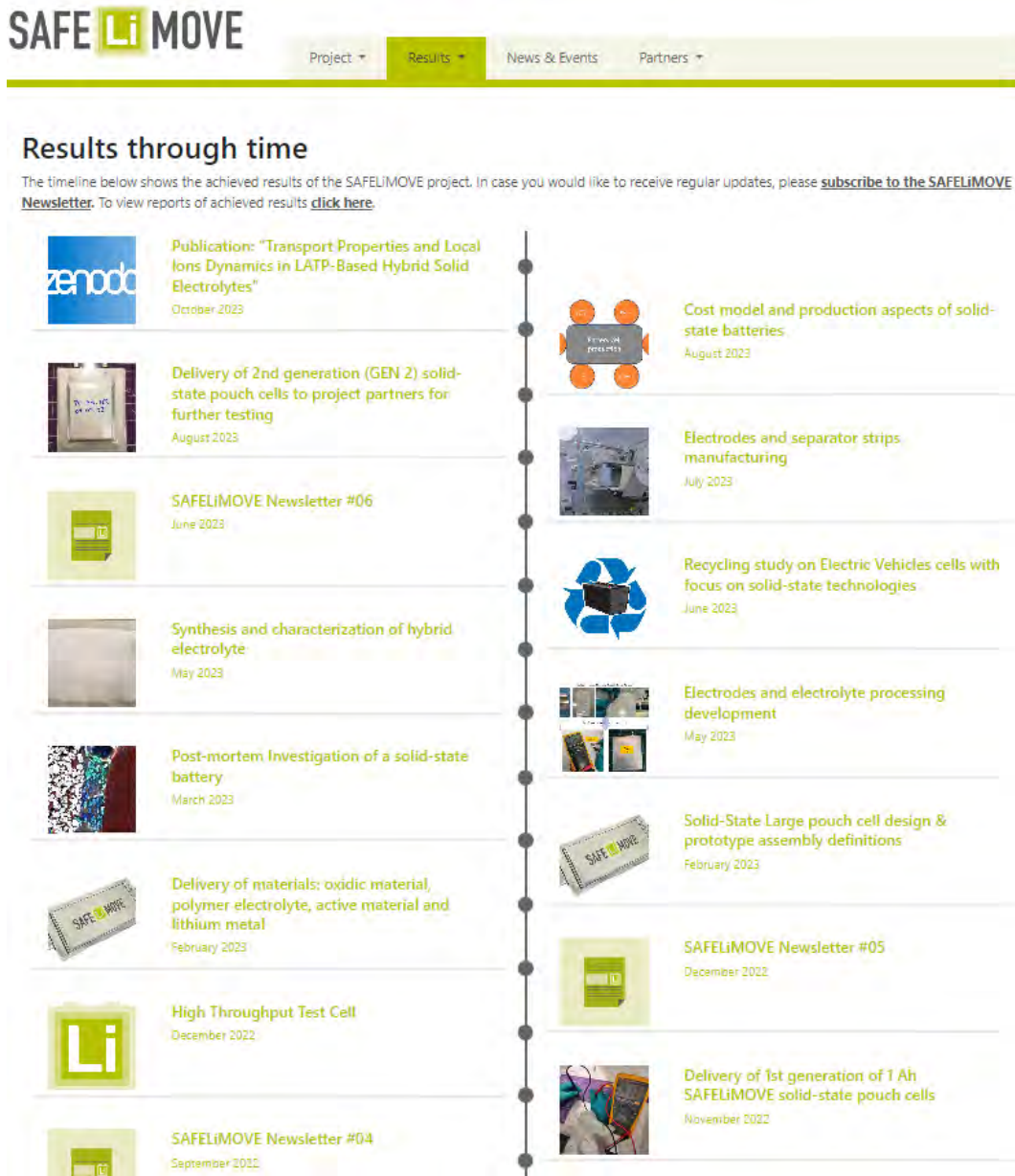


Figure 5: Overview of the ‘Results Timeline’ on the website for the period Sep 2022 - Oct 2023

The figures below show the amount of visitors to the website (based on Google Analytics). In this figure, an analysis was made of the possible reasons for peaks in website visits. This clearly shows the positive interaction between attracting visits to the website and sending tweets and newsletters.

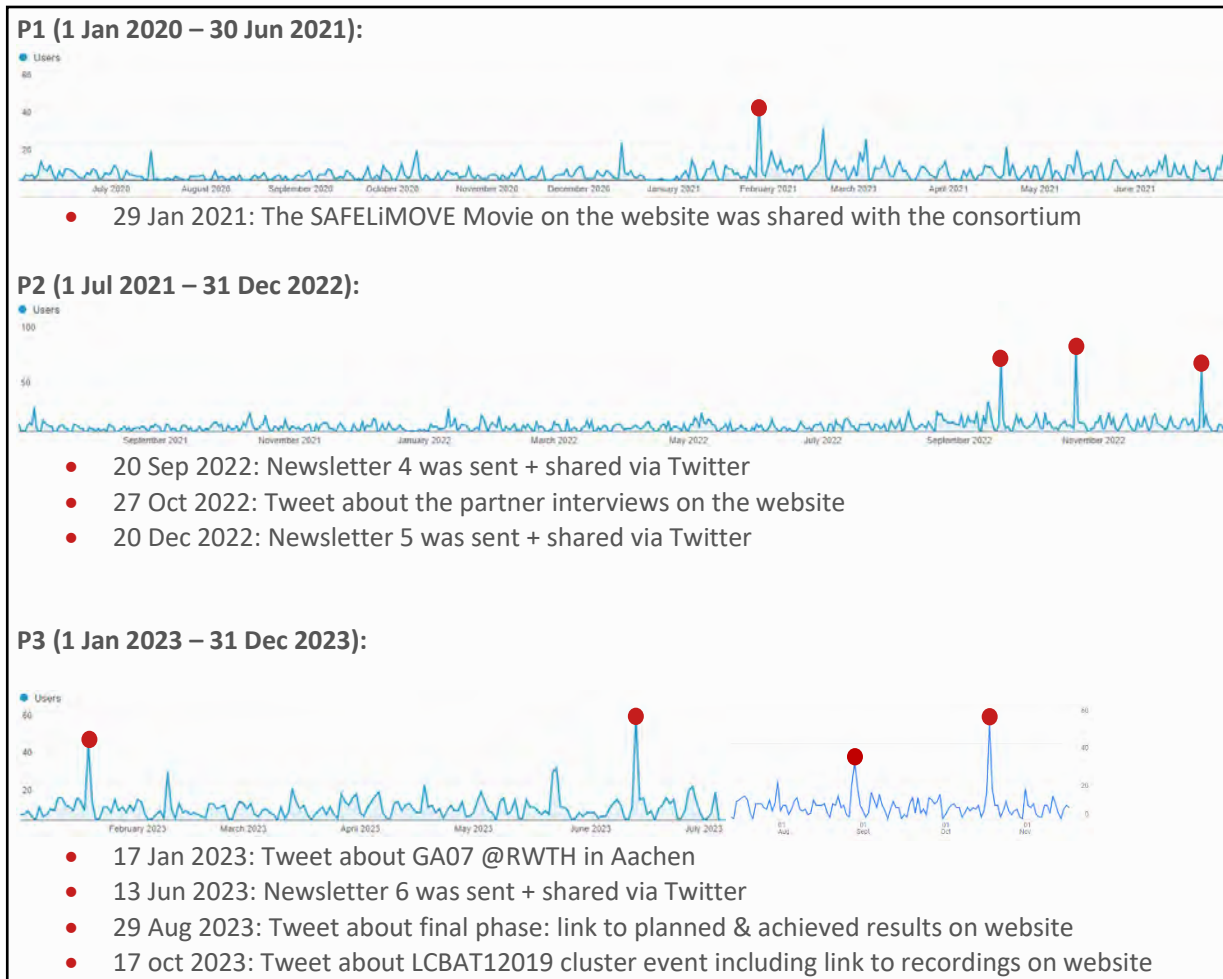


Figure 6: Amount of visitors to the SAFELiMOVE website

In addition, also an analysis was made of the total amount of visitors per page (figure below) which shows that the homepage is visited most and the pages with planned & achieved results the least.

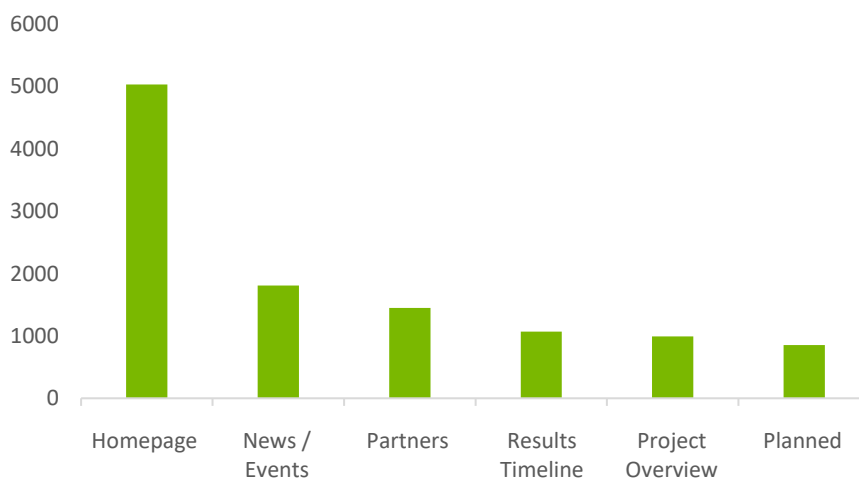


Figure 7: Overview of the amount of visitors on different pages on the website

Next to this, an overview was made of the origin of website users, see two figures below. These figures show that the majority of the users is coming from the USA and Spain. In addition, they also show that users come from all continents and therefore we can state that there is a truly worldwide audience for the SAFELiMOVE-website.

Country	Users	% Users
1.  United States	654	15.37%
2.  Spain	544	12.78%
3.  France	397	9.33%
4.  Germany	340	7.99%
5.  Netherlands	262	6.16%
6.  Belgium	260	6.11%
7.  Italy	223	5.24%
8.  Canada	168	3.95%
9.  India	141	3.31%
10.  Finland	112	2.63%

Figure 8: Overview of the top 10 countries of website users

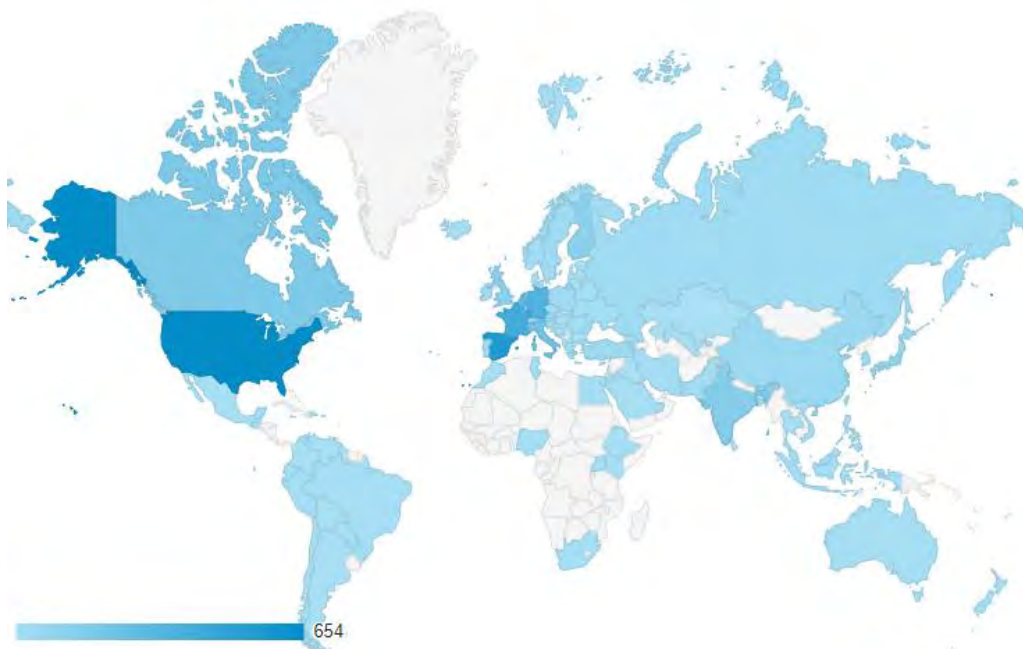


Figure 9: Overview of the countries of website users (a darker blue indicates more users)

### 3 Twitter / X





X (formerly known as Twitter) has been used to regularly share SAFELiMOVE related topics. By tagging project partners, it was easy for the SAFELiMOVE partners to share or repost the tweets.

At the end of the project (November 2023) the SAFELiMOVE twitter-account had 180+ followers, of which:

- **Various stakeholder organisations and companies**, including; BEPA, Battery Pollution Technologies (Australia), Blue Horizon Capital, EARPA, 2ZERO Emission and many others.
- **Several other EU-projects**, like; THORbatteries, NGTriageEU, EnergeticEU, EuRhinoceros, OPERA, ZABAT, MAXIMA, LEVIS, aerosolfd, am4bat, ev4eu\_eu, HEAdvagen, TwinVectorEU, HIDDEN, Marbel.
- **Individual persons outside the SAFELiMOVE consortium**, of which Philippe Jacques from EMIRI, Marja Vilkmán from VTT, Sandru Marius from SINTEF, Battaglia Corsin from EPFL and many others.

In total over 140 SAFELiMOVE tweets have been posted. The figure below shows some top tweets; these tweets either have a high amount of impressions or engagements/engagement rate.

Impressions on Twitter are a total tally of all the times the Tweet has been seen. This includes not only the times it appears in a one of the followers' timelines but also the times it has appeared in search or as a result of someone liking the Tweet. The engagement is the total number of times a user interacted with the tweets you sent. Engagements include all clicks on the Tweet, including Retweets, replies, likes and hashtag clicks. The engagement rate is the number of engagements divided by impressions.

Tweets	Top Tweets	Tweets and replies	Promoted	Impressions	Engagements	Engagement rate
	<b>SAFELiMOVE</b> @SAFELiMOVE · 24 Feb 2021 We finalised our first animated video 🎥 about #SAFELiMOVE project goals! We work to develop the next generation #batteries for #ElectricVehicles and #sustainableMobility in the road transport Battery Oncoming automobile 🚗. Watch the video here: <a href="https://youtube.com/watch?v=hYfVcu...">youtube.com/watch?v=hYfVcu...</a> <a href="https://pic.twitter.com/UL5zYZLsS9">pic.twitter.com/UL5zYZLsS9</a>			202	13	6.4%
	<b>SAFELiMOVE</b> @SAFELiMOVE · 8 Jun 2021 Did you know that #SAFELiMOVE is one of the partners of the#LCBAT12019? Here the global interest in #solidstatebatteries 🔋 as an alternative battery technology to ensure higher performance is addressed together with @astrabat @sublime_project 📍 <a href="https://safelimove.eu/bat-1-cluster/">safelimove.eu/bat-1-cluster/</a> <a href="https://pic.twitter.com/ETCDTufPrO">pic.twitter.com/ETCDTufPrO</a>			2	5	250.0%
	<b>SAFELiMOVE</b> @SAFELiMOVE · 13 Oct 2021 Face-2-Face workshops are happening again, and it is great 🤗! Last week our coordinator presented the SAFELiMOVE project during the @AMAPOLA_project workshop in Madrides #batteries #polymers #sustainable #Safe <a href="https://pic.twitter.com/8FfgNov2z4">pic.twitter.com/8FfgNov2z4</a>			4	14	350.0%
	<b>SAFELiMOVE</b> @SAFELiMOVE · 28 Jan 2022 📢 Collaboration alert 📧 The @astrabat, @sublime_project, SOLiDIFY and SAFELiMOVE projects, are proud to announce that the first cluster newsletter is out now 📧 🚗 The newsletter includes our activities on the next generation of electro #mobility in #Europe <a href="https://uniresearch.email-provider.nl/web/rn2kgvd51e">uniresearch.email-provider.nl/web/rn2kgvd51e</a> <a href="https://pic.twitter.com/26dNfOFX88">pic.twitter.com/26dNfOFX88</a>			37	30	81.1%








	<b>SAFELiMOVE</b> @SAFELiMOVE · 20 Sep 2022 📣 Our September newsletter is available! 📄 Have a look at the highlights of 2021 <b>#solidstate</b> <b>#battery</b> technology development for 🚗 <b>#electricvehicles</b> in SAFELiMOVE! <a href="https://uniresearch.email-provider.eu/web/rm2kgvd51e...">uniresearch.email-provider.eu/web/rm2kgvd51e...</a> <a href="https://pic.twitter.com/JX1MOdLhem">pic.twitter.com/JX1MOdLhem</a>	14	19	135.7%
	<b>SAFELiMOVE</b> @SAFELiMOVE · Dec 20 📣 Our X-mas newsletter is available! 📄 Have a look at the highlights of the last few months. <b>#solidstate</b> <b>#battery</b> technology development for 🚗 <b>#electricvehicles</b> in <b>#SAFELiMOVE</b> ! <a href="https://shorturl.at/mqtyS">shorturl.at/mqtyS</a>  <a href="#">@cinea_eu</a> <a href="#">@TUBerlin</a> <a href="#">@CIDETEC_</a> <a href="#">@lifecycle_eng</a> <a href="#">@RWTH</a> <a href="https://pic.twitter.com/VRzRB59Rki">pic.twitter.com/VRzRB59Rki</a>	1,000	31	3.1%
	<b>SAFELiMOVE</b> @SAFELiMOVE · Jan 17 The <b>#SAFELiMOVE</b> <b>#consortium</b> is together <a href="#">@RWTH</a> in Aachen, discussing the progress of all tasks and work packages. <a href="#">@energigune_brta</a> <a href="#">@SCHOTT_AG</a> <a href="#">@UmicoreGroup</a> <a href="#">@hydroquebec</a> <a href="#">@Saft_batteries</a> <a href="#">@renaultgroup</a> <a href="#">@toyota_europe</a> <a href="#">@IKERLANofficial</a> <a href="#">@cidetec_</a> <a href="#">@tuberlin</a> <a href="#">@lifecycle_eng</a> <a href="#">@_Uniresearch_</a> <a href="https://pic.twitter.com/NGyFQzRva6">pic.twitter.com/NGyFQzRva6</a>	782	63	8.1%
	<b>SAFELiMOVE</b> @SAFELiMOVE · Apr 17 📣 Save the date for the Innovation and Networking Days on All-Solid-State Batteries! 📄 Open and free attendance for all interested 📅 27-28 September 2023 📍 Grenoble (France) euOrganised by <a href="#">@astrabat</a> and the <b>#LCBAT12019</b> cluster <b>#batteries</b> <b>#EVs</b> . Details to be announced soon. <a href="https://pic.twitter.com/yzFGQA3mEc">pic.twitter.com/yzFGQA3mEc</a>	1,343	68	5.1%
	<b>SAFELiMOVE</b> @SAFELiMOVE · Jul 11 The <b>#SAFELiMOVE</b> <b>#consortium</b> is together at <a href="#">@TUBerlin</a> <a href="#">@Fraunhofer_IZM</a> in Berlin, discussing the progress of all tasks and work packages at General Assembly 08. <a href="#">@cinea_eu</a> <a href="https://pic.twitter.com/F1Ja5zC98a">pic.twitter.com/F1Ja5zC98a</a>	1,148	57	5.0%
	<b>SAFELiMOVE</b> @SAFELiMOVE · Aug 21 🚀 Exciting news! <b>#Register</b> now for <b>#LCBAT12019</b> Innovation & Networking days. Join us on 27-28th Sept 2023 at CEA Minatec Building in Grenoble. Don't miss out! Visit the Event Website 📄 <a href="https://lcbat12019-cluster-event.eu">lcbat12019-cluster-event.eu</a> <a href="#">@energigune_brta</a> <a href="#">@cinea_eu</a> <a href="#">@2030Battery</a> <a href="#">@sublime_project</a> <a href="#">@astrabat</a> <a href="https://pic.twitter.com/za2nel4BXv">pic.twitter.com/za2nel4BXv</a>	1,182	34	2.9%
	<b>SAFELiMOVE</b> @SAFELiMOVE · Nov 14 📄 NEW JOINT PUBLICATION BY <b>#SAFELiMOVE</b> PARTNERS: Study reveals effects of Li-conducting filler in hybrid solid electrolytes; enhances mechanical properties. 📄 <a href="#">#BatteryTech</a> <a href="#">#Electrolytes</a> <a href="#">@energigune_brta</a> <a href="#">@SCHOTT_AG</a> <a href="#">@hydroquebec</a> <a href="https://safelimove.eu/24102023/">safelimove.eu/24102023/</a>	383	8	2.1%

Figure 10: Overview of top tweets



## 4 Scientific publications and presentations at conferences

The tables below give an overview of the conferences at which SAFELiMOVE results were presented as well as an overview of publications with SAFELiMOVE results. These tables show the information available at the time of writing this deliverable (November 2023). A full and complete overview will be given in the final periodic reporting (in technical report as well as SYGMA).

**Table 2:** Overview of events at which SAFELiMOVE results were presented (November 2023)

Conferences and Exhibitions	Year	Partner responsible/ involved
244th ECS meeting	2023	SAFT, CiCe
ESPE 2023	2023	CiCe
FEMS EUROMAT 2023	2023	CiCe
LCBAT12019: Cluster Innovation and Networking days	2023	ALL
Advanced Materials Sciences and Engineering AMSE	2022	CiCe
Battery Expert Forum	2022	SCHOTT
Electromobility Technology Workshop: Driving a Greener Value Chain	2022	CiCe
EMIRI Tech Talks	2022	SCHOTT
GEP-SLAP 2022	2022	CiCe
International Battery Power Conference	2022	RWTH
MEET Akademie – web conference	2022	SCHOTT
Oslo Battery Days	2022	SAFT
Road Transport Research in Horizon 2020 project: H2020RTR21 conference	2022	CiCe
72nd Annual ISE Meeting (Online)	2022	CiCe
Swiss battery days 2022	2022	CIDETEC
Transport Research Arena TRA	2022	CiCe, LCE
International Battery Power Conference	2021	RWTH
International Society of Electrochemistry 2021	2021	CiCe
AMAPOLA project workshop	2021	CiCe
LISA Innovation Workshop	2021	CiCe

**Table 3:** Overview of publications with SAFELiMOVE results (November 2023)

Journal	Year	Partner responsible/ involved	Subject/Title
Advanced Energy Materials	2022	CiCe	Are Polymer-Based Electrolytes Ready for High-Voltage Lithium Battery Applications? An Overview of Degradation Mechanisms and Battery Performance
Small (Wiley - V C H Verlag GmbhH & Co.)	2023	CiCe / HQ, SCHOTT	Transport Properties and Local Ions Dynamics in LATP-Based Hybrid Solid Electrolytes
IOP Publishing	2023	CiCe	Solid-state electrolytes for safe rechargeable lithium metal batteries: a strategic view
Journal of energy storage	2023	RWTH	Development of a cell design environment for bottom-up estimation of performance parameters for lithium-ion batteries and virtual cell design – ISEA Cell & Pack Database (ICPD)

Journal	Year	Partner responsible/ involved	Subject/Title
Advanced Energy Materials	Q1 2024 (under revision)	CICe / CEA, CID	Hybrid Composite Polymer Electrolytes Enabling Long Cycling in Practical 1 Ah-Class High-Voltage Solid-State Batteries with Li Metal Anode

## 5 Cluster event

The LCBAT12019 cluster organised a joint event; the “Innovation & Networking Days on All-Solid-State Battery Technologies”, which were held at 27-28 September 2023 in Grenoble, France.

The Innovation & Networking days were a unique two-day event aiming to connect the LCBAT12019 EU-funded projects and show the results to the public including key European and international stakeholders and associations in the field of All-Solid-State Battery Technologies. The program of the event is shown below.



Figure 11: Programme of Cluster event

Around 50 people joined the event on location and approximately 40 people joined online each day. CICE took part in organising the event on behalf of SAFELiMOVE. SAFELiMOVE-partners CICE, CIDETEC as well as LCE gave a presentation.

A video of the event can be found on

[https://youtu.be/XAiV3dyPPD0?list=PL8E47y8poIV9Vlc6o8zru8IXHuB\\_YnsTA](https://youtu.be/XAiV3dyPPD0?list=PL8E47y8poIV9Vlc6o8zru8IXHuB_YnsTA).

## 6 SAFELiMOVE videos

A video has been made to introduce the SAFELiMOVE project. This video can be found on the introduction page of the SAFELiMOVE-website (<https://safelimize.eu/>) and on Youtube (<https://www.youtube.com/watch?v=hYfVcuJt8-g>) and has been viewed over 200 times on Youtube. In addition, CIDETEC has made a video on its activities regarding MS2 which has also been put on Youtube (<https://www.youtube.com/watch?v=RG5biUTg-gA>) and has been viewed over 400 times.

## 7 Quantification of dissemination and communication activities

The table below gives the status on the dissemination KPIs. As can be seen from this table, the project website and the newsletters are on target. Several partners are disseminating the SAFELiMOVE results through Twitter (e.g., CICE, CIDETEC, LCE, IKERLAN).

Table 4: Quantification of dissemination and communication activities (status November 2023)

Audience	Objectives	Key Performance indicators	Key Performances reached
<b>Project website</b>			
Policy makers, professionals, research community, industry and general public	Make target groups aware of the progress of SAFELiMOVE, results and their availability.	≥ 1000 views/year; ≥ 8 updates/year	> 5000 views/year; At least monthly updates
<b>Conferences, exhibitions, trade shows</b>			
Automotive sector professionals, research community	Show results, receive feedback	≥ 20 presentations	18 presentations
<b>Scientific publications</b>			
Researchers in battery and automotive disciplines	Knowledge dissemination	5-10 peer reviewed publications	5 peer reviewed publications. One of them currently under revision, to be published in 2024.
<b>Electronic newsletter</b>			
General public and automotive industry professionals and stakeholders	Keep interested parties informed of the project progress and results.	≥ 6 newsletters	7 (SAFELiMOVE) 2 (Cluster)
<b>Final event</b>			
Automotive sector professionals, car manufacturers, policy makers, research community	Expand the results beyond the consortium; leverage the project results within the industry.	≥ 100 attendees	50 attendees in person 40 attendees online
<b>Social media (LinkedIn, Twitter)</b>			
Automotive sector professionals, policy makers, research community	Expand the results beyond the consortium.	≥ 10 updates/month through partners	> 4 tweets/ month by SAFELiMOVE

## 8 Conclusions and Recommendations

This deliverable gives an overview of the performed dissemination and communication activities as performed within SAFELiMOVE, including the newsletters. It was shown that most of the KPIs related to these activities have been met.

Next to this, the audience reached has been evaluated for the several activities. It has been shown that the activities have reached a worldwide audience.

## Appendix A- Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

### Project partners:

#	Partner	Partner Full Name
1	CICe	CENTRO DE INVESTIGACION COOPERATIVA DE ENERGIAS ALTERNATIVAS FUNDACION, CIC ENERGIGUNE FUNDAZIOA
2	SCHOTT	SCHOTT AG
3	UMICORE	UMICORE
4	HYDRO-QUEBEC	HYDRO-QUEBEC
5	SAFT	SAFT
6	RENAULT SAS	RENAULT SAS
7	TME	TOYOTA MOTOR EUROPE NV
8	IKERLAN	IKERLAN S. COOP
9	CEA	COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES
10	CIDETEC	FUNDACION CIDETEC
11	TUB	TECHNISCHE UNIVERSITAT BERLIN
12	RWTH AACHEN	RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN
13	ABEE	AVESTA BATTERY & ENERGY ENGINEERING
14	LCE Srl	LIFE CYCLE ENGINEERING SRL
15	UNIRESEARCH BV	UNIRESEARCH BV