Optimization of Electric Vehicle Autonomy

D7.4. 1st Report on Dissemination and Communication Activities

Document information

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1. EXECUTIVE SUMMARY

Funded within the Key Digital Technologies Joint Undertaking (KDT JU) from the European Union's Horizon Europe Program and the National Authorities, under grant agreement 101097267, the OPEVA project aims is to explore the benefits that can be obtained from the interaction between the multiple actors involved in the modern "mobility experience" in order to optimize the autonomy of electric vehicles in a modern world that also requires sustainability and resource optimization.

To ensure that the OPEVA results were systematically disseminated to the expert communities and to relevant stakeholders and to guarantee the attainment of the project objectives, OPEVA developed a detailed plan of activities for disseminating the project's progress and results. This plan was outlined in Deliverable 7.2, first submitted in August 2023. Throughout the project, the dissemination plan played a significant role in establishing a common understanding amongst project partners by defining the required actions, the timeframe to be realized, the internal procedures to be followed and the success criteria (KPIs) of the performed activities. D7.4 is a public deliverable and reports all the dissemination activities carried out by the OPEVA consortium members throughout the first-year project's lifetime i.e., January 2023 – December 2023. These dissemination activities include scientific and non-scientific publications, participation in events, etc. The deliverable evaluates the effectiveness of the dissemination activities performed, assessing the degree of fulfilment of the project's plans and key performance indicators that were previously set in D7.2. Overall, all efforts illustrate the commitment of partners to the project's vision and goals and their success in raising awareness about the project's key findings and reach the target stakeholders groups.

2. INTRODUCTION

2.1 OPEVA concept and approach

The project OPEVA aims for innovation on **aggregating information from the vehicle**, not only from the battery but also from other internal sensors and behaviors, to create a model of performance and consumption specific to the individual vehicle and its driver (TD1). It aims to optimize the individual driving episode using the **out-vehicle data** such as state of the road, weather, charging station location and occupancy etc. that are collated from the back-end systems (TD2). OPEVA will further address the challenges associated with the communication between the vehicle and the infrastructure to **gather data from the back-end systems** (TD3). It aims for **innovation in the use of recharging stations** and related applications (TD4). It further aims to achieve better understanding of what the battery and its constituent cells are really doing during real world use for an **improved battery management system** (TD5). Finally, TD6 covers the **driver-oriented human factors** for optimizing electrical vehicle usage. The TDs, from the most deeply embedded in the vehicle to its support in the cloud, need to interwork in an optimal fashion to deliver in one decade a better level of systemic optimization for personal mobility that took ten decades to achieve with fossil fuels. On the other hand, **economic factors**, e.g., high cost (N-TD1), **legal and ethical aspects**, e.g., taxation (N-TD2), **EV**

related development by the human, e.g., charging duration (N-TD3), and **societal and environmental factors**, e.g., green operation (N-TD4) will be taken into consideration in the OPEVA methods for a higher acceptance and the awareness of the society regarding these developments. The project OPEVA responds directly to the KDT JU Work Programme 2021 v13 (24 Feb 2022) Call 2021-2, RIA as well as the ECS-SRIA-2021, including Transport and Smart Mobility challenges. Approaching such a complex challenge obviously demands holistic project management that can ensure all of the bases are covered; OPEVA leverages the KDT ecosystem to exercise and validate the proposed ecosystem across nine member states, and simultaneously attacks the systemic problem from both demonstrator and value chain perspectives. Demonstrators show how the actors behave to deliver the functionality of the ecosystem through TDs, and value chains ensure that those actors are motivated to support it. The implementation of demonstrators in the context of motivated value chain will deliver an optimized experience to all participants in terms of N-TDs with a focus on the electric vehicle driver. OPEVA allows Europe to consolidate its advanced transport position by mobilizing and incentivizing a world leading collection of industrial and academic partners towards a common objective. Indeed, to maximize the impact of this work, it further supports Europe's energy Independence

2.2 Purpose of the deliverable

This deliverable is an inclusive dissemination report of the OPEVA project. It outlines all the dissemination activities carried out throughout the project's first year lifetime i.e., January 2023 – December 2023. These dissemination activities include scientific and non-scientific publications, social media, website, organization and participation in events, flyers, videos, press announcements, brochures, and so on. These means help ensure broad visibility and raise awareness about OPEVA, spreading knowledge about the project and its results. For the project's dissemination activities measurable targets (KPIs) have been previously set in the deliverable D7.2 in order to assess the effectiveness of the dissemination plan and estimate whether the desired impact was achieved. This document assesses if the dissemination indicators have been reached in the last 12 months and evaluates their performance by providing specific information and more details on outreach and engagement.

OPEVA activities have differed in intensity, based on the time evolution of the project. Hence, the WP7 activities are reported each year:

a) 1st Report: Collection of the dissemination results produced between M1 and M12. (reported here).

b) 2nd Report: Collection of the dissemination results produced between M13 and M24 (planned here at the end of 2024).

c) Final Report: Collection of the dissemination and standardization results produced in all three years of the Project (planned here at the end of the project).

The corresponding future deliverables will report in detail those achievements and will revise (if required) the corresponding plans.

Communication internal to the project consortium and necessary for the coordination and execution of the project is not in scope of this deliverable, but rather it is covered by D8.9 Project repository and partners' communication setup. Only communication to the outside world, with respect to the project boundaries, is covered in this document.

2.3 Intended audience

The deliverable D7.4 is mainly addressed to the European Commission and national authorities (funding authorities) as well as the OPEVA consortium partners without excluding other audiences interested in reading it. The table below (Table 1) presents in detail all concerned audience groups and their interest in this deliverable.

Table 1: Indented audience

Intended audience	Reasons for interest
OPEVA project partners	To be informed as well as ensure common understanding amongst the consortium in regards to the project's performed dissemination activities.
European Commission and national authorities	As the funding authorities to assess the performed activities of the project and the quality of the document. It constitutes an official document of the project.
Target Groups (Research & Technology, Key Stakeholder, Industries…)[1]	To be informed about the project in general; its scope; the dissemination activities performed during its implementation and discover the channels from where they could acquire the project's results for exploitation.
Representatives of organizations involved into ongoing/future projects under similar topic	To share knowledge, best practices, lessons learned that might find them useful in the implementation of their dissemination activities.
Anyone interested	To be informed about the topic of the project in general and its scope; the methods, tools and channels deployed for promoting OPEVA and its results.

2.4 Structure of the deliverable

D7.4 is comprised of 7 chapters and 1 annex. After the executive summary of the deliverable, the first chapter introduces the reader to the OPEVA project, as well as the objectives of the project. Additionally, it describes the scope of the current deliverable, the audience that is addressed to and its relation to other WP7 deliverables.

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[1] In the deliverable D7.2, we already identified the target dissemination groups (Who) categorized into three types (Research, Industry and Public authorities). For these groups, various dissemination goals and information (What) were carefully selected with consideration of specific interests of different audiences.

The second chapter presents the dissemination strategy and plan set in the beginning of the project as well as the measurable targets that were set in order to assess the effectiveness of the project's dissemination activities.

The third chapter provides a detailed overview of the different dissemination activities performed during the first-year lifetime of the project i.e., January 2023 to December 2023.

The fourth chapter evaluates the effectiveness of the dissemination activities performed during this first year.

The fifth chapter concludes the report.

Annex 1 includes information about the dissemination procedure, describing the guidelines and the main steps to be followed by partners for the publication or presentation of work done within the framework of the OPEVA project.

2.5 Relation to other deliverables

This document represents the continuation of the work begun in D7.2 "Dissemination and Communication plan". The document laid out the project's scope and dissemination objectives, the guiding principles of the project's dissemination activities, individual dissemination plans prepared by each beneficiary and the success criteria for the evaluation of the dissemination activities performed. D7.5 "2nd Report on Dissemination and Communication Activities" represents the collection of the dissemination results produced between M13 and M24. D7.6 "Final Report on Dissemination, Communication and Standardization Activities" represents the collection of the dissemination and standardization results produced in all three years of the project.

3. DISSEMINATION STRATEGY AND OBJECTIVES

The specific objective of Task 7.1 Dissemination & Standardisation, as defined in the project's Grant Agreement was to ensure that the OPEVA results were systematically disseminated to the expert communities and to relevant stakeholders throughout the lifetime of the project, to help increase the outreach and impact of the OPEVA outcomes.

This chapter includes the main aspects of the OPEVA dissemination strategy, including the objectives, the stakeholders to whom the external dissemination actions were addressed, the channels that were used by the consortium to diffuse the project's key messages and findings, and finally, the dissemination indicators for measuring the project's dissemination performance.

As specified in the preliminary proposal and deliverable D7.2 "Dissemination and Communication plan", the overall dissemination and communication strategy is split into three phases with slightly different objectives, which are supported by relevant dissemination measures:

- In Phase **I**, the dissemination activities will be aimed at the increase of awareness among stakeholders about OPEVA project in order to provide them with relevant insight into the project focus, planned concepts and research topics. This phase will support the engagement of external stakeholders to the project.
- Phase **II** of the dissemination strategy will strongly support dissemination of the project results with novel knowledge, which will be efficiently transferred to relevant target groups. In this phase, the dissemination will embrace two main streams: (i) the spreading novel knowledge to relevant stakeholders for enhancing the research impact of the project, (ii) application-oriented dissemination of results supporting exploitation activities.
- Phase **III** will focus on the dissemination of the overall results related to real world experience from demonstrators. The activities will significantly support the final exploitation phase and enhance the utilization of the project results beyond the project. Here, the strong emphasis will be put on the dissemination of results related to demonstrators, replication studies, policy, and standardization positioning paper etc.

To maximize the possibilities of the dissemination strategy, several key characteristics have been defined in D7.2: (i) identification of key target dissemination audiences") to whom the dissemination actions should be addressed (WHO), (ii) specification of key dissemination goal/information (WHAT), (iii) formulation of appropriate dissemination measures (HOW), (iv) consideration of efficient schedule (WHEN) and (v) responsible partners for key dissemination activities (WHO).

Dissemination activities were performed through a variety of channels, in order to effectively reach out the identified key audiences, taking into consideration the specific characteristics and needs of each group. The dissemination channels employed by the dissemination team and the consortium included:

a) Presentations at external conferences, workshops and other external events;

b) Project events (workshops, demonstrations events, including the final event, and technical workshops);

c) Webinars and training activities;

d) OPEVA website and social media;

e) Journals and other scientific publications;

f) Liaison activities with related projects and organizations.

g) Project identity (website, newsletters, press releases, brochures, etc.)

In order to fulfil the dissemination plan's objectives, we have devised a list of dissemination indicators for quantifying the dissemination progress. As the project progressed and while taking into consideration external factors that were not anticipated in the beginning of the project, those indicators will be regularly revisited and revised to better reflect the project's dissemination potential. Table 2 includes measurable initial dissemination performance

indicators, which are consequently partitioned into particular project years (When). Yearly targets were specified according to particular phases of the abovementioned preliminary dissemination strategy.

Table 2: Dissemination Channel Summary

Channel	Target groups			Performance Indicator	Target				
	Research	Industry	Public authorities		Overall	1st year	2nd year	3rd year	4th year
Visual identity				Templates and logo	3	3			
Website	✓	✓	✓	Unique website visit	>5000	1000	2000	2000	
Social Media	✓	✓	✓	LinkedIn followers	>200	100	50	50	
				Facebook followers	>200	100	50	50	
Project propagation video	✓	✓	✓	Monthly views	100	-	-	-	
Project promotional materials				Flyer: Number of people reached	> 5000	1000	1500	2500	
				Poster: people reached	> 5000	1000	1500	2500	
				Brochure: people reached	> 1000	200	400	400	
Scientific journal articles	✓	✓		Number of accepted/invited papers	> 10	0	4	6	
Scientific conferences	✓			Number of participated events with accepted/invited presentations	> 20	4	6	10	
Networking events		✓	✓	Events in which disseminate project's activities	> 3	1	1	1	
OEM roadshow		✓		Number of OEMs visited	> 18	4	5	5	4
Training activities (Webinars)	✓	✓		Number of organized webinars	> 6	2	1	3	
Newsletters		✓	✓	Contributions in newsletters.	> 6	1	2	3	
Press releases		✓	✓	Number of press releases	> 12	4	4	4	
Presence at trade fairs and industrial events		✓		Count of fairs or events attendance	> 5	1	2	2	
Own organized workshops and special sessions	✓		✓	Number of organized workshops or special sessions	> 2	0	1	1	

Final conference	✓	✓	✓	Final conference organized	1	0	0	1	
Final project brochure	✓	✓	✓	Final project brochure developed	1	0	0	1	
Promotional video	✓	✓	✓	total views	>60	10	20	30	
Thesis		✓			Number of Ph.D. thesis created based on OPEVA participations	> 2	0	0	2	

4. REPORT ON PERFORMED DISSEMINATION ACTIVITIES

This chapter provides a general and detailed overview of all dissemination activities performed by consortium members throughout the first year of the project from January to December 2023. Throughout the project, all partners were encouraged to inform the WP7 leader prior to a dissemination activity following a specific procedure (Annex 1) register their dissemination activities in a central spreadsheet stored in the project's file repository. OPEVA participated in **3 internal workshops**, **7 conferences** and other events, particularly focusing on major EU and world conferences that attract key audience from the fields of energy, vehicular technology and ICT. Project partners have published **7 peer-reviewed journals papers**, **7 publications in conference proceedings,** and **7** online **Publications**. OPEVA is also present in relevant social media platforms like Linkedin, Facebook and YouTube.

4.1 OPEVA common Website

The project website was designed at the beginning of the project and serves as the main dissemination channel of the OPEVA project, where project execution information, results as well as partners' contribution are periodically updated (on a monthly basis). The interactive website provides a visitor with an overview of project content and activities, achieved results and deliverables and other relevant information. It is accessible using this link https://opeva.eu/. It was launched the second month of the project, on March 1st, 2023. In the Figure 1, we can see the home page of the website.

Figure 1: OPEVA Website- Home page

Suitable analysis tools are used to automatically monitor the impact and generate reports. In Figure 2, comprehensive statistics are presented, including: (i) details about the geographical origin of the website visitors (see *Figure 2*–(a)) and (ii) the number of visits during 2023 to the OPEVA website (see *Figure 2*–(b)) that shows that the website experiences a substantial and growing popularity, with numerous daily connections, reflecting its widespread engagement and appeal.
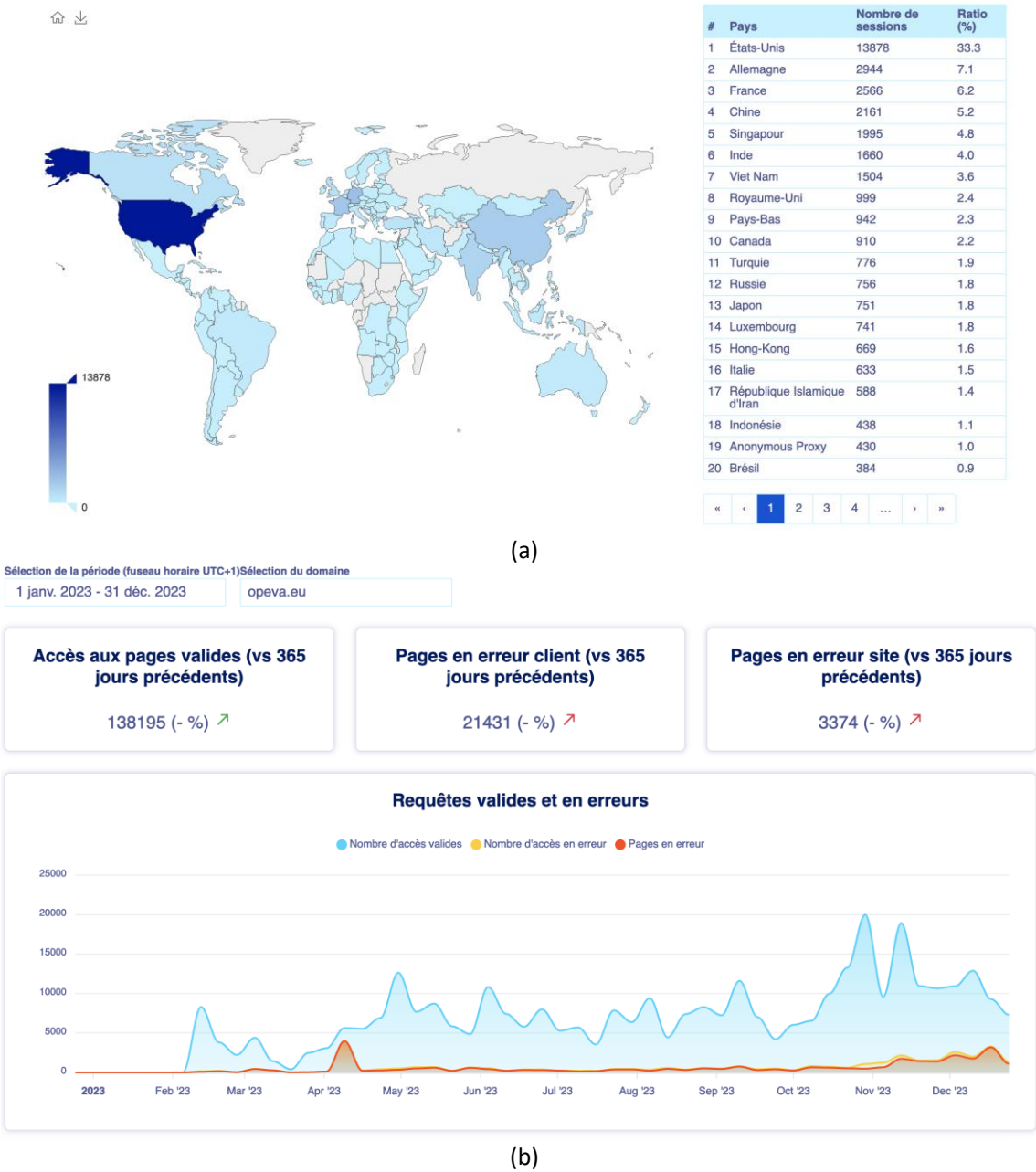
#	Pays	Nombre de sessions	Ratio (%)
1	États-Unis	13878	33.3
2	Allemagne	2944	7.1
3	France	2566	6.2
4	Chine	2161	5.2
5	Singapour	1995	4.8
6	Inde	1660	4.0
7	Viet Nam	1504	3.6
8	Royaume-Uni	999	2.4
9	Pays-Bas	942	2.3
10	Canada	910	2.2
11	Turquie	776	1.9
12	Russie	756	1.8
13	Japon	751	1.8
14	Luxembourg	741	1.8
15	Hong-Kong	669	1.6
16	Italie	633	1.5
17	République Islamique d'Iran	588	1.4
18	Indonésie	438	1.1
19	Anonymous Proxy	430	1.0
20	Brésil	384	0.9

(a)

(b)

Figure 2: OPEVA Website stats: (a) Geographical origin of the website visitors and (b) number of visits to the website during 2023.

4.2 OPEVA social media

Social media plays an important role in the communication strategy, which is mainly based on existing relevant social media platforms. The intensive communication towards general public is supported by LinkedIn, Facebook and YouTube.

4.2.1 LinkedIn

LinkedIn is accessible using this link: https://www.linkedin.com/company/90923393/admin/feed/posts/. It contains Posts related to the project meetings, partners' highlights, repost of information about the project published by the partners, repost of information relevant for the project, and invitations to upcoming dissemination/communication events.
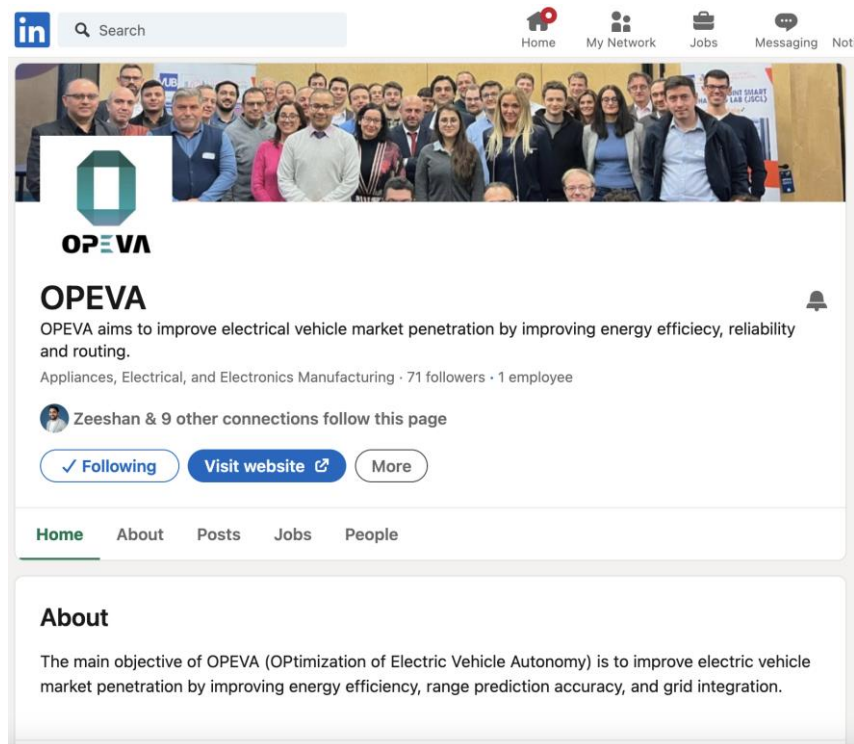
Figure 3: Screenshot of the LinkedIn group

4.2.2 Facebook

FB is accessible using this link: https://www.facebook.com/profile.php?id=100094338415612). It contains: Posts associated with the main events of the project, Invitations to upcoming dissemination/communication events, and Posts with demo from the partners.
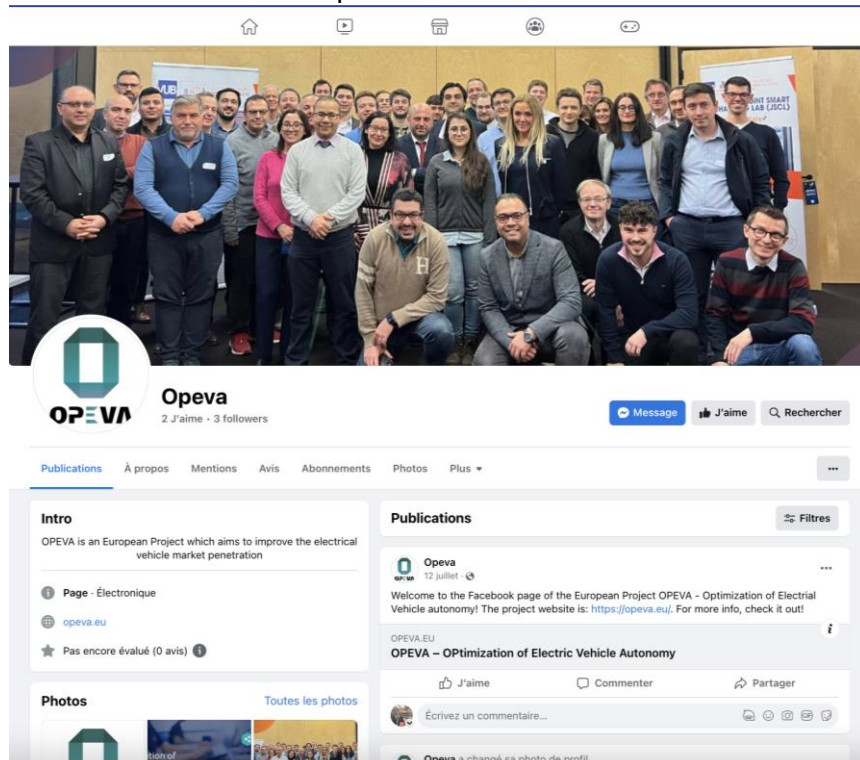

Figure 4: Screenshot of the Facebook group

4.2.3 YouTube

YT will be utilized for presentations, videos, and webinars (accessible via: https://www.youtube.com/@OPEVAproject) .
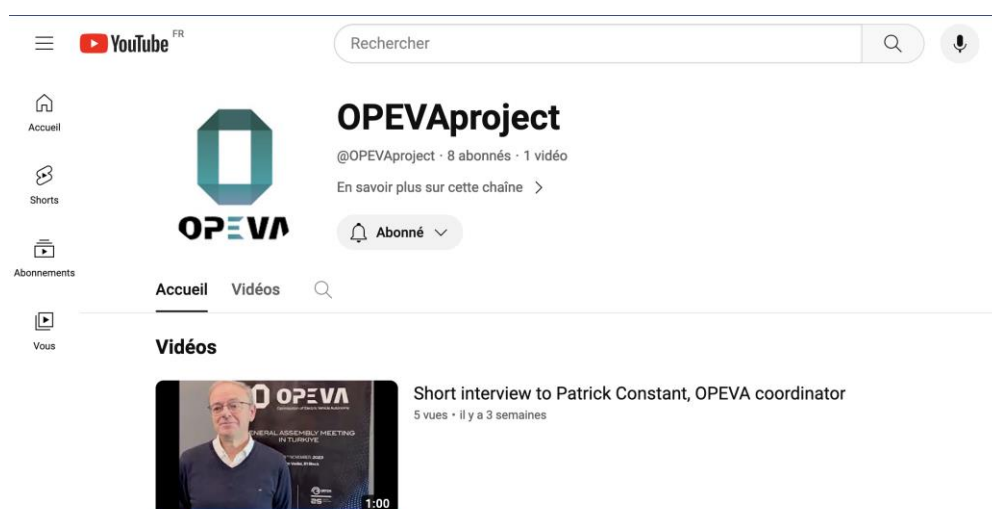

Figure 5: Screenshot of the YouTube channel

4.3 Internal Workshops Organization

The project's research results were also shared through internal workshops with the OPEVA partners. As seen in Table 3, OPEVA organized the last year **3 workshops**.

Table 3: List of OPEVA internal workshops

Activity	Dates	Place	Photo
First workshop	February, 14&15, 2023	Brussels, Belgium	
Second workshop	June 06 &07, 2023	Switzerland	
Third workshop	November 14&15, 2023	Turkey	

4.4 Participation in Conferences and Events

The participation of OPEVA partners in opportunities for disseminating the project's work and results included a wide range of project-related conferences, workshops and external events that took place across Europe and beyond, throughout the first-year lifecycle of the project. The aim was to disseminate the project's progress and findings, as well as to receive feedback from experts and relevant stakeholders.

In total, partners have taken on opportunities for disseminating OPEVA's goals and results in **7 conferences** within the specified period, **i.e., January 2023 until December 2023**, with **all** of them taking place physically in Europe. All information on the OPEVA activities in following conferences and events are available on the project website.

Table 4: List of Conference and External Events with OPEVA presence

No.	Event	Type of Activity	Date	Place	Partner(s) involved
1	2023 IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA)	International conference	12-15 September 2023	Sinaia, Romania	UWB
2	2023 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW)	International conference	3-7 July 2023	Delft, Netherlands	University of Geneva
3	2023 IEEE 19th International Conference on Intelligent Computer Communication and Processing	International conference	26-28 October, 2023	Cluj-Napoca, Romania	University of Geneva
4	International Conference Interdisciplinarity in Engineering - INTER-ENG 2023	International conference	05-06 October 2023	Târgu Mureş, Romania	University of Geneva
5	2023 IEEE 97th Vehicular Technology Conference (VTC2023-Spring), 2023	International conference	20-23 June,2023	Florence, Italy	UB
6	IEEE 8th International Conference on Smart and Sustainable Technologies, 2023	International conference	20 - 23 June,2023	Split/Bol, Croatia	NXP Semiconductors, Austria
7	26th Euromicro Conference Series on Digital System Design (DSD), 2023	International conference	06-08 September, 2023	Durres, Albania	NXP Semiconductors, Austria

4.5 Publications

Publications are an essential mean of raising awareness of the project's output for uptake, namely to the scientific and professional community. OPEVA scientific papers and technical articles were submitted for publication in conference proceedings, scientific peer-reviewed journals, technical magazines as well as trade and magazines in Europe and beyond. The KPIs that measure how effectively the project's consortium disseminated results through scientific publication have been defined in Table 2.

For the first year, the OPEVA consortium has published:
- **7** papers in conference proceedings;

- **7** scientific and technical articles in peer-reviewed journals;
- **7** Non-Scientific Publications (web, social medias posts, datasets, brochures, flyers, posters, etc.)

This shows the consortium's dedication and effort towards diffusing the project's results to the scientific and professional community.

All papers in conference proceedings, journal publications, article and white papers are available on the OPEVA website under the Publications page.

4.5.1 Papers in Conference Proceedings

In Table 5, there is an overview of the scientific and technical papers that have been published in conference proceedings under the acknowledgement of the OPEVA project.

Table 5: List of 5G-MOBIX Papers in Conference Proceedings

#	Title	Event	Type of Activity	Main author(s)	Place	Partners
1	Distributed method for Economic Dispatch Problem with a battery system and a variable fuel price	IEEE 28th International Conference on Emerging Technologies and Factory Automation (ETFA)	International conference	Karel Kubicek, Jindrich Wolf, Vaclav Helma	Sinaia, Romania	UWB
2	A Key to Embedded System Security: Locking and Unlocking Secrets with a Trusted Platform Module	2023 IEEE European Symposium on Security and Privacy Workshops (EuroS&PW)	International conference	T. Lenard, A. Collen, N.A. Nijdam, B. Genge	Delft, Netherlands	University of Geneva
3	LOKI-2: An Improved Lightweight Cryptographic Key Distribution Protocol for Automotive Systems	2023 IEEE 19th International Conference on Intelligent Computer Communication and Processing	International conference	T. Lenard, B. Genge, A. Collen, N.A. Nijdam	Cluj-Napoca, Romania	University of Geneva
4	A Tale of Two Automotive Security Services: A Formal Analysis	International Conference Interdisciplinarity in Engineering - INTER-ENG 2023	International conference	T. Lenard	Târgu Mureş, Romania	University of Geneva
5	Predicting Electric Vehicle Charging Stations Occupancy: A Federated Deep Learning Framework	2023 IEEE 97th Vehicular Technology Conference	International conference	Lydia Douaidi, Sidi-Mohammed Senouci, Ines	Florence, Italy	UB

#				El-Korbi, and Fouzi Harrous		
6	Wireless BMS Architecture for Secure Readout in Vehicle and Second life Applications	IEEE 8th International Conference on Smart and Sustainable Technologies, 2023	International conference	Fikret Basic, Claudia Rosina Laube, Patrick Stratznig, Christian Steger, Robert Kofler	Split/Bol, Croatia	NXP Semiconductors, Austria
7	Secure Data Acquisition for Battery Management Systems	26th Euromicro Conference Series on Digital System Design (DSD), 2023	International conference	Fikret Basic, Christian Seifert, Christian Steger, Robert Kofler	Durres, Albania	NXP Semiconductors, Austria

4.5.2 Journal Publications

In Table 6, there is an overview of the papers that have been published in peer-reviewed journals under the acknowledgement of the 5G-MOBIX project:

Table 6: List of OPEVA Papers in Journal Publications

#	Title	Journal	Main author(s)	Partners
1	Harnessing Communication Heterogeneity: Architectural Design, Analytical Modeling, and Performance Evaluation of an IoT Multi-Interface Gateway	IEEE Internet of Things Journal	Emanuele Pagliari, Luca Davoli, Gianluigi Ferrari	University pf Parma
2	Guidance Framework for Developing IoT-Enabled Systems' Cybersecurity	MDPI Sensors Journal	H.A. Abdulghani, A. Collen, N.A. Nijdam	University of Geneva
3	Exploring Trust Modelling and Management Techniques in the Context of Distributed Wireless Networks: A Literature Review	IEEE Access Journal	T. Lenard, A. Collen, M. Benyahya, N.A. Nijdam, B. Genge	University of Geneva
4	A Review on Multilevel Converters for Efficient Integration of Battery Systems in Stationary Applications	MDPI Energies Journal	Rauf, A.M.; Abdel-Monem, M.; Geury, T.; Hegazy, O.	University of Geneva
5	Performance Assessment and Mitigation of Timing Covert Channels over the IEEE 802.15.4	MDPI J. Sens. Actuator Netw. Journal	Severino, Ricardo, João Rodrigues, João Alves, and Luis Lino Ferreira (ISEP)	ISEP
6	Software-defined traffic light preemption for faster emergency medical service response in smart cities	Accident Analysis & Prevention	Nazila Bagheri, Saleh Yousefi, Gianluigi Ferrari	University pf Parma

| 7 | The OPEVA Manifest: OPtimisation of Electrical Vehicle Autonomy, a Research and Innovation project | Open Research Europe | Alper Kanak, Salih Ergün, İbrahim Arif, S. Halit Ergün, Cengiz Bektaş, Ali Serdar Atalay, Oguzhan Herkiloğlu, Dominique Defossez, Ahmet Yazıcı, Luis Lino Ferreira, Martin Strelec, Karel Kubicek, Martin Cech, Luca Davoli, Laura Belli, Gianluigi Ferrari, Dilara Bayar, Ali Kafalı, Ahu Ece Hartavi Karcı and Patrick Constant | ERARGE, Ergtech, BITNET, AI4SEC, NXP France Eskisehir Osmangazi University, ISEP, University of West Bohemia, University of Parma, ACD Bilgi Islem, University of Surrey, Pertimm. |

Articles in non-scientific publications

Table 7 includes an overview of the articles that acknowledge OPEVA and have been published in magazines and non-scientific publications (web, newsletter, video, social medias posts, posters, flyers, press releases, etc.).

Table 7: List of OPEVA Non-Scientific Publications

#	Type of Activity/Event	Title	Partner(s)	Year
1	Web	Predictive Analysis And Advanced Bms: Flash Battery Among The Partners Of Opeva European Project	Flash Battery	2023
2	Web	On Site Construction | To the "Charge" of Europe	Flash Battery	2023
3	Social media post	Social media post	Flash Battery	2023
4	Newsletter	Flash Battery Monthly Pills	Flash Battery	2023
5	Video	General presentaion ogf the project by PERTIMM	Pertimm	2023
6	DataSet	Dataset for identifying maintenance needs of home appliances using artificial intelligence	ISEP	2023
7	Newsletter	Projet OPEVA : optimiser l'autonomie du véhicule électrique	UB	2023

5. ACHIEVEMENTS OF DISSEMINATION OBJECTIVES

Even it's the very beginning of the project, throughout the lifecycle of the project, members of the OPEVA Consortium have actively contributed to various activities to raise awareness about the project's results and outcomes internally and to relevant stakeholders and expert communities.

OPEVA is present in relevant social media platforms for dissemination and outreach activities: Linked-In, Facebook and YouTube. Profiles in these social media are maintained active via regular posting and monitoring. The consortium efforts resulted to the organization of **3 workshops**, the participation in **7 conferences** and events, particularly focusing on major EU and world conferences that attract key audience from the fields of energy, vehicular technology and ICT. To facilitate the exchange of knowledge and share the OPEVA progress and outcomes with the scientific and professional community, project partners have published **7 peer-reviewed journals**, **7 publications in conference proceedings,** and **7 Non-Scientific Publications**. As demonstrated by Table 8 below, almost indicators and targets have been met within the first-year of the project. The project has almost exceeded the target of conference presentations, journal publications and non-scientific articles. However, it was not possible to reach the target of all the indicators and that will be realized in the subsequent project's phases (Phase I and Phase II) dedicated to the dissemination of the new project results / knowledge and overall results related to real world experience from demonstrators to relevant stakeholders.

Table 8: Achievements of OPEVA KPIs for the 1st year

Channel	Target groups			Performance Indicator	1st year	Achieved	Status
	Research	Industry	Public authorities				
Visual identity				Templates and logo	3	3	J
Website	✓	✓	✓	Unique website visit	1000	>12000	JJ
Social Media	✓	✓	✓	LinkedIn followers	100	109	
				Facebook followers	100	13	
Project propagation video	✓	✓	✓	Monthly views	-	4	L
Project promotional materials				Flyer, Poster, Brochure, social media posts, web: Number of people reached	>3000	>3000	JJ
Scientific journal articles	✓	✓		Number of accepted/invited papers	0	7	JJ
Scientific conferences	✓			Number of participated events with accepted/invited presentations	4	7	JJ
Networking events		✓	✓	Events in which disseminate project's activities	1	0	L
OEM roadshow		✓		Number of OEMs visited	4	0	L
Training activities (Webinars)	✓	✓		Number of organized webinars	2	0	L
Newsletters		✓	✓	Contributions in newsletters.	1	2	J

Press releases		✓	✓	Number of press releases	4	2	L
Presence at trade fairs and industrial events		✓		Count of fairs or events attendance	1	0	L
Own organized workshops and special sessions	✓		✓	Number of organized workshops or special sessions	0	0	-
Final conference	✓	✓	✓	Final conference organized	0	0	-
Final project brochure	✓	✓	✓	Final project brochure developed	0	0	-
Promotional video	✓	✓	✓	total views	10	1	L
Thesis	✓			Number of Ph.D. thesis created based on OPEVA participations	0	0	-

6. CONCLUSION

This report on dissemination activities throughout the first year of the project from January to December 2023 illustrates the efforts and valuable contribution of the OPEVA consortium in systematically disseminating key findings to the expert communities and to relevant stakeholders and helping to increase the outreach and impact of the OPEVA outcomes throughout the lifetime of the project. Partners adhered to the dissemination strategy and worked hard to meet the KPI targets and achieve the project's dissemination objectives, leading to a number of successful and meaningful to the community dissemination activities. These dissemination activities included scientific and non-scientific publications, organization and participation at events, establishing a robust presence on social networks, a website experiencing a substantial and growing popularity with numerous daily connections. These results are almost in line with the target value set in D7.4 but in some cases surpass them, illustrating the commitment of partners to the project's vision and goals and their success in raising awareness about the project's key findings and reach the target stakeholders groups.

The initial phase, dedicated to establishing the necessary tools and channels for disseminating information to identified stakeholders, has been successfully completed. In the upcoming phases (Phase I and Phase II), OPEVA is poised to continue the dissemination of its results, leveraging and expanding upon all the avenues outlined in D7.2. For instance, by organizing panels, innovation workshops, webinars, OEM roadshow, presence at trade fairs and industrial events that will play an important role to share knowledge among academic and industrial partners. Also, OPEVA will increase the number of submitted papers to well-reputed peer reviewed conferences, journals and magazines, using results from conducted demonstrators.

7. ANNEXES

7.1 Annex 1 – Dissemination Procedure

7.1.1 Description and purpose

The dissemination procedures include guidelines and set out the main steps to be followed by partners for the publication or presentation of work done within the framework of the OPEVA project. The full description of the communication/dissemination procedures for OPEVA is presented below.

7.1.2 Main objectives of the procedure

The basic objectives of the aforementioned procedures are to:

- Produce high quality OPEVA publications and presentations;

- Avoid overlaps and possible disclosure of restricted or confidential information;

- Monitor and record the dissemination activities of the project.

7.1.3 Step by step procedure

1. Ideally, at least 45 days before the performance of any dissemination activity related to the OPEVA project, the initiator of the dissemination activity:

   - Informs via email the consortium members through the mailing list OPEVA_WP7@nxp.com

   - Fill in the excel file on the dedicated folder on the project online collaboration tool (WPs -> WP7 -> OPEVA - WP7 - Dissemination and exploitation tracking) providing necessary information (type of activity, provisional title, short summary or draft of the whole paper/set of slides, if available);

   - As soon as available, share the abstract/draft paper/draft poster, etc., in a dedicated folder on the project online collaboration tool (creating a corresponding folder for the related event, and informing the WP7 leader (OPEVA_WP7@nxp.com) when it is done.

2. Any objection to the planned dissemination shall be made in writing to all Parties within thirty (30) days; no response is considered as an approval;

In case of:

   a) Approval: The initiator may proceed with the submission or realization of the planned dissemination activity;

   b) Conflict/objection: Any Consortium member can object to the proposed dissemination activity, for example in cases of overlaps or risk of disclosure of restricted or confidential information. The objection has to include a clear reasoning as well as a

precise request for necessary modifications. The issue is discussed among the Coordinator, the WP7 Leader and the involved partners.

3. Within <mark>10 working</mark> days after the approval of the dissemination activity, the initiator of the dissemination activity:

    • Uploads the final paper, presentation, poster, or other presented material on the project online collaboration tool, in the dedicated folder;

    • Uploads photos from the activity, if relevant, in the same folder (in a "photos" sub-folder);

    • Complete / update the the excel file on the dedicated folder on the project online collaboration tool (WPs -> WP7 -> OPEVA - WP7 - Dissemination and exploitation tracking);

    • Informs via email the WP7 leader (OPEVA_WP7@nxp.com);

NOTE:

If partners wish to present or release material already approved, such as public presentation/material, then no formal approval is required, but the WP7 Leader has to be informed