ADVAGEN

DELIVERABLE REPORT

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Development of ADVAnced next GENeration Solid-State batteries for Electromobility Applications

GA n° 101069743

Start date of project:	01/08/2022
Duration of project:	48 months
Deliverable nº & name:	D8.1. PLAN FOR DISSEMINATION AND EXPLOITATION INCLUDING COMMUNICATION ACTIVITIES
Version	5
Work Package n°	8
Due date of D:	M6, 31/01/2023
Actual date of D:	13/06/2023
Participant responsible:	Euroquality (EQY)
Main authors:	Camille Michel, Cécile Fligny

Nature of the Deliverable		
R	Document, report (excluding the periodic and final reports)	X
DEM	Demonstrator, pilot, prototype, plan designs	
DEC	Websites, patents filing, press & media actions, videos, etc.	

Dissemination Level		
PU	Public, fully open	
SEN	Sensitive	X

Quality procedure			
Date	Version	Reviewers	Comments
13-12-2022	2	Anish Patil	Exploitation plan added
15-12-2022	3	Takwa Benissa	Overall review
11-01-2023	4	Anish Patil	Overall review
08-06-2023	5	Cécile Fligny, Camille Michel	Corrections as per Martha GIALAMPOUKI's request

Project summary

This report is part of the deliverables from the project "ADVAGEN" (Development of ADVAnced next GENeration Solid-State batteries for Electromobility Applications), which has received funding from the European Union's Horizon Europe research and innovation program under grant agreement No. 101069743.

To date, the battery market is dominated by lithium-ion (Li-ion) chemistries, as the energy density has more than doubled and their costs have dropped by a factor of at least 10. However, conventional Li-ion batteries (LIB) are reaching their performance limits in terms of energy density and facing safety issues, therefore the development and production of new battery generations, such as Solid-State Batteries (SSBs) is required to create a new industry value chain in Europe towards their commercialization. Consequently, high-energy-density EU-[1] will ensure the supply of, among others, the automotive sector. To do so, the development and deployment of new manufacturing technologies, enabling the largescale production of SSBs, is crucial. Indeed, among the overarching themes to develop and produce sustainable batteries in the future, the BATTERY 2030+ roadmap4 considers manufacturability as a cross-cutting key area. Innovative and scalable manufacturing techniques to produce SSBs will accelerate cost reduction, energy savings, and enhanced safety. ADVAGEN will develop a new lithium metal () battery cell technology based on a safe, reliable, and high performing hybrid solid-state electrolyte (LLZO-LPS based), gaining a competitive advantage over the worldwide (mainly Asian) competition. This will sustainably strengthen the EU as a technological and manufacturing leader in batteries as specified in the ERTRAC electrification roadmap and SET-Plan Action Point-7OBJ. ADVAGEN consortium contains key EU actors in the battery sector, from industrial materials producers (CPT) battery manufacturer (ABEE) to R&D centers (IKE, CEA, IREC, TUB, CICe, POLITO, INEGI, UL, FEV) and the automotive industry (TME), covering the complete knowledge and value chain. By developing high-performance, affordable and safe batteries, ADVAGEN aims to re-establish European competitiveness in battery cell production.

Objective and Executive summary

In order to maximise the visibility of the ADVAGEN project, as well as the wide promotion of its results, the partners have hereby drafted a plan for dissemination and exploitation including communication activities (abbreviated as DEC plan in the following). This document will be the reference for ADVAGEN partners for planning the activities and evaluating the impact of communication and dissemination activities, as well as exploitation ones. Such a plan will be updated and adjusted as the project progresses. In particular, D8.4 at M18 will be the intermediate update of this plan, and D8.5 at M48 the final one. Yet, modifications can be carried out more regularly depending on the results of the initial communication, dissemination, and exploitation activities.

The main purpose of this DEC plan is to ensure that the project research and results are widely disseminated to the appropriate target audiences, at appropriate times along the project lifetime, via appropriate methods, and that those who can contribute to the development, evaluation, uptake, and

[1] https://setis.ec.europa.eu/implementing-actions/set-plan-documents_en

exploitation of the ADVAGEN project results can be identified and encouraged to interact with the project on a regular and systematic basis.