

2022 - 2026



ADVAGEN

Development of advanced next generation solid-state batteries for electromobility applications

NEWSLETTER #2 - November 2023

ADVAGEN is a Horizon Europe project gathering 14 partners from 9 European countries. It aims at developing, manufacturing and validating the most performant, stable and safe 10Ah solid-state pouch cells by developing novel materials for each of the parts that constitute a battery (i.e., the electrolyte, anode and cathode). In particular, an innovative hybrid oxide-sulfide ceramic electrolyte to be integrated with a lithium metal anode and a high Ni-rich content-based cathode.

In this newsletter, you will learn more about the ADVAGEN latest activities, as well as the ones to come.

Willing to know more about ADVAGEN and its latest developments? Visit our website and follow us on LinkedIn and Twitter!



HE ADVAGEN



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www.advagen.eu



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WHAT IS NEW?

• DELIVERABLES SUBMITTED & APPROVED

During the first year, seven deliverables were submitted:

- D1.1: Project management plan
- D1.2: Data management plan
- D2.2: End-users driven specifications
- D2.3: Protocols for the testing of the lab-scale, small cells, and large cells
- D7.1: Digital Data Platform – User Manual
- D8.1: Plan for dissemination and exploitation including communication activities
- D8.2: Website

As of today, all deliverables have been successfully approved. Special thanks to the consortium for the great effort!

• CLUSTERING ACTIVITIES

On June 26th, the Solid4B cluster – in which ADVAGEN project takes part alongside other European projects such as SPINMATE, PULSELION, AM4BAT, SOLiD, SEATBELT, and HIDDEN – organised its first webinar. Special thanks to Takwa Benissa (Project manager of ADVAGEN and SPINMATE, Founder of the Solid4B cluster) from ABEE for her opening statement about the cluster's goals and scope and to Jokin Rikarte Ormazabal from CIC energiGUNE as the main speaker from the ADVAGEN project for its presentation about the state of the art, challenges, and future perspectives of the lithium metal anode production methods.



LATEST EVENTS

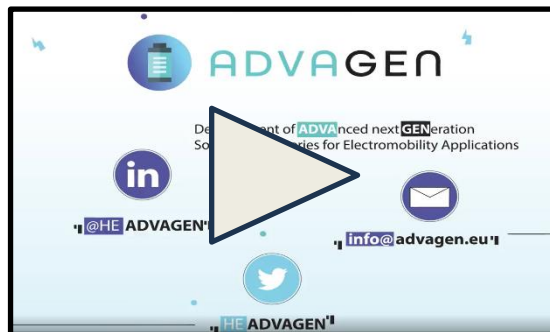
• 3RD CONSORTIUM MEETING

The ADVAGEN project's third consortium meeting took place in Barcelona, Spain, on September 25th and 26th, in IREC. IREC is a crucial partner known for its extensive material development, processing, and characterization knowledge. During the meeting, the primary objectives were to assess the project's advancement, tackle obstacles, and outline forthcoming steps, all aimed at advancing the goals of the #ADVAGEN project.



• PROJECT VIDEO

In the previous newsletter, we advertised an animated project video, and [here](#) it is!



It highlights ADVAGEN's innovations in battery technology, including cathode chemistry, anode techniques, ceramic electrolytes, and advancements in battery manufacturing and recycling for sustainability.

Check our [website](#) and [social media](#) if you want to understand what the objectives and concepts of the ADVAGEN project are!

WHAT IS NEXT?

• NEXT CLUSTERING ACTIVITIES

The SOLID4B cluster will organise a hybrid workshop on **December 12th, 2023**. ADVAGEN partners will be invited, and we are looking forward to hearing the special talks given by our partners: ABEE and INEGI.

The general theme of this event will be **Solid state Li-metal batteries towards a circular economy: Potentials vs. Challenges**. Below is the final agenda.

13.30 pm - 13.45 pm

Welcome session
| CMR

13.45 pm - 14.00 pm

Solid4B Cluster: Unveiling Insights and Lessons from Collaborative Clustering Endeavors
| Takwa Benissa, Kunsulu Nurekeyeva, ABEE

14.00 pm - 14.30 pm

A closer look at battery research priorities in Europe
| Bozorg Khanbaei, BEPA

14.30 pm - 15.00 pm

Recycling Challenges for Next-Generation Solid-State Batteries
| Javier Mayorga, ABEE

15.00 pm - 15.15 pm BREAK

15.15 pm - 15.45 pm

Sustainable Solid State Batteries – A cornerstone for a bright European future
| Luís Miguel Oliveira, INEGI

15.45 pm - 16.15 pm

Eco-design criteria of the next generation of batteries & presentation of the Circular Wallonia Days
| Massimo De Pieri, LCE

16.15 pm - 16.45 pm

Sustainability aspects of an anode-free solid-state battery, made by 3D printing
| Maeva Lavigne Philippot, VUB

16.45 pm - 17.00 pm BREAK

Discussion Panel

17.00 pm - 17.45 pm

The New Batteries Regulation

| Moderator: Bozorg Khanbaei, BEPA.

| Participants: Marja Vilkman, VTT; Xavier Randrema and Adrien Mery, RENAULT; Patrick Van den Bossche, AGORIA; Johan Blondelle, European Commission.

17.45 pm - 18.00 pm

Online Poll and Conclusions



SOLID4B

Going solid for safer batteries

If you want to register to follow this event online, follow this link: [Online registration for the SOLID4B cluster's workshop](#)

• NEXT CONSORTIUM MEETING

The next ADVAGEN consortium meeting will be held in Brussels in April 2024.



Politecnico
di Torino

