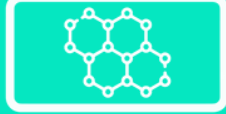


## ARMS



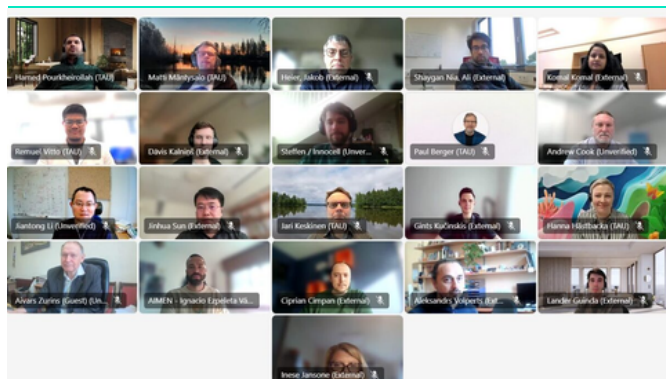
Welcome to the 3rd ARMS project newsletter! We're excited to share our recent advancements in graphene and 2D materials for energy storage, including our first scientific publication on activated wood carbon supercapacitors and our presence at international scientific events. These achievements underscore our commitment to sustainability and collaborative research.

In this issue, you'll find insights from our consortium meetings, details about our participation in the LOPEC 2025 convention, and information about our upcoming digital workshop focused on eco-design and sustainable practices in 2D materials. We are proud to showcase the brilliant minds behind the ARMS project through our "Faces Behind Science" campaign, offering a glimpse into the dedication and innovation fueling our progress. Join us as we continue to push the boundaries of technology and contribute to a greener future!



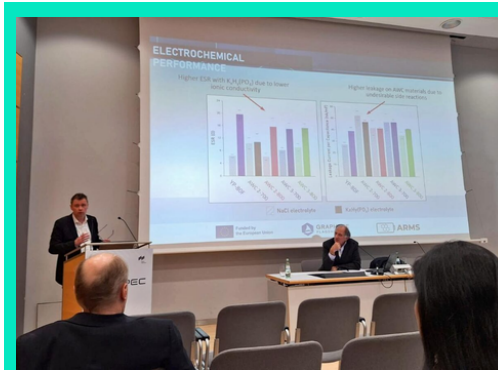
On December 10, 2024, the "International Research Funding Days" at Tampere University provided an ideal platform to showcase the ARMS project. This event brought together over 100 attendees, facilitating a rich exchange of ideas and networking opportunities among Horizon Europe projects. [Read more](#)

### WHAT HAVE WE BEEN UP TO?

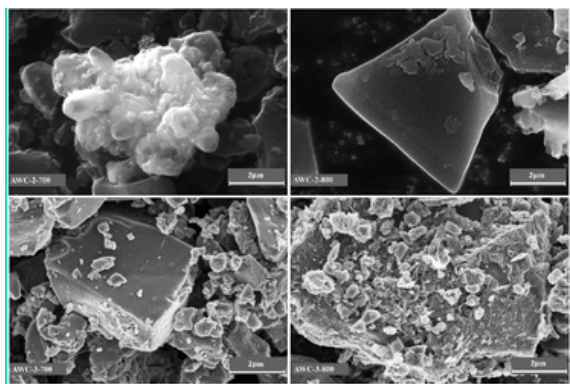


On April 24, the ARMS project conducted its fourth consortium meeting online, where partners reviewed ongoing progress in supercapacitor technology, highlighting the importance of collaboration and future tasks needed to meet energy storage demands. [Read more](#)

The ARMS project also made a significant impact at the JEC World 2025 exhibition on March 5-6, where AIMEN Technology Centre presented advancements in structural supercapacitors developed through the VARI process. This event further solidified AIMEN's expertise in composite manufacturing techniques across various sectors. [Read more](#)



ARMS was also represented at the Large-Area, Organic & Printed Electronics Convention (LOPEC) held in Munich, Germany, from February 24 to 26. During the event, the project's latest scientific publication was promoted. LOPEC provided the opportunity to expand our project's global network, fostering connections for future collaborative research endeavors. The event was rich with exhibitions showcasing innovative applications that sparked new ideas and potential developments.. [Read more](#)



As the new year unfolded, the ARMS project celebrated its first scientific publication on January 3, titled "Enhancing Specific Capacitance and Energy Density in Printed Supercapacitors: The Role of Activated Wood Carbon and Electrolyte Dynamics." This collaborative effort among researchers from Tampere University (Finland), the Latvian State Institute of Wood Chemistry (Latvia), InnoCell ApS (Denmark), and the Institute of Solid State Physics, University of Latvia (Latvia) delved into the potential of Activated Wood Carbon (AWC) as a sustainable material for printed supercapacitors, showcasing the influence of its unique properties on energy storage performance. Read the full paper [here](#).

### UPCOMING EVENTS

**Advancing Sustainability in 2D Materials**  
MAY 15  
13:00 - 14:30

The digital workshop on Advancing Sustainability in 2D Materials will highlight the latest advancements in eco-design, green synthesis, and lifecycle assessment, presented in a fully online format. This session will bring together experts from research and industry to explore sustainable approaches to 2D material development and energy storage technologies. Suiting Ding (University of Southern Denmark) from the ARMS project will speak about Safe and Sustainable by Design (SSbD) for energy storage devices. Workshop is organised by the Graphene Flagship.

Read more and register [here](#).



At LOPEC 2025, held in Munich from February 24 to 26, researchers from Tampere University promoted the ARMS project, focusing on the latest findings related to sustainable activated wood carbon supercapacitors and electrolyte ion kinetics. The convention provided an excellent platform for exchanging knowledge with industry leaders. [Read more](#)

### "Faces Behind Science" campaign continues!

Curious about the brilliant minds driving Project ARMS? Don't miss our exciting "Faces Behind Science" campaign! Read interviews with ARMS WPI and WP2 leaders - Gints Kučinskis (Institute of Solid State Physics, University of Latvia) and Jiantong Li (KTH Royal Institute of Technology). Stay tuned for more inspiring stories and learn how our leaders are shaping the future of science!



### CONNECT WITH ARMS

project-arms

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