



Welcome to the final (sixth) edition of the GREENCAP newsletter



Dear all,

As we enter the final weeks of the GREENCAP project we would like to take a moment to look back at what we have achieved together. Over the past three years, this journey has been full of challenges, learning, and close collaboration across the consortium and beyond.

Thanks to the commitment, expertise, and teamwork of all GREENCAP partners and other stakeholders, we have delivered results that make a real contribution to the advancement of supercapacitor technologies.

Although the project will officially come to an end in the coming weeks, with the end of December 2025, GREENCAP outcomes will continue beyond the project lifetime. We hope the knowledge gained and solutions developed within GREENCAP will support future research and innovation in energy storage.

We would also like to warmly thank our readers for following the project and staying with us throughout its entire duration. As the year draws to a close, we wish you a joyful holiday season and a well-deserved break. We hope the new year brings fresh opportunities and continued success. Thank you for being part of the GREENCAP journey!

News

GREENCAP Final Event and Review Meeting in Genoa

The GREENCAP Final Event took place on 17 December 2025 in Genoa, Italy, bringing together project partners and other stakeholders to reflect on the project's results and future perspectives for advanced supercapacitor technologies.

During the event, GREENCAP partners presented the main achievements of the project, covering the development of graphene- and MXene-based electrodes, safer and high-performance electrolytes, and progress made in prototyping and pathways towards industrial-scale production. The programme also highlighted work on life cycle assessment (LCA) and the challenges and opportunities associated with sustainable upscaling, underlining GREENCAP's focus on performance as well as environmental responsibility.

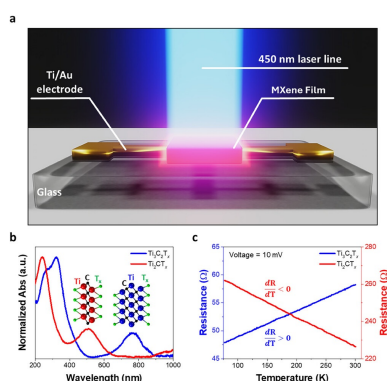
A dedicated session on advanced materials for energy storage and prototyping showcased contributions from both academic and industrial partners, offering insights into how laboratory-scale innovations are being translated into practical device concepts.

The event also featured two panel discussions with invited guests – Prof. Teresa Gatti (Politecnico di Torino), Prof. Faiz Ullah Shah (Luleå University of Technology [HEDASupercap](#)), Dr. Jon Ajuria (CIC energiGUNE [MUSIC](#)), Hanna Sofia Leiter (Wood K plus [EMPHASIS](#)), Dr. Fatemeh Bahmei (Karlsruher Institut für Technologie (KIT) [MUSIC](#)), alongside GREENCAP partners – Dr. Boyang Mao ([UCAM](#)), Prof. Xiaoping Xie ([TUD](#)), and our Advisory Board member – Prof. Yury Gogotsi (Drexel University). These interactive sessions opened a broad discussion on key challenges facing supercapacitor technologies, emerging application areas, and Europe's role in circular design, sustainable manufacturing, and innovation. The discussions were enriched by active participation from attendees joining both on-site and online, enabling a broad exchange of perspectives across disciplines and projects.

The Final Event concluded with a visit to [BeDimensional](#), GREENCAP coordinator, offering participants a closer look at the industrial environment supporting the development and scaling of advanced graphene-based materials for supercapacitors.



GREENCAP Publications



Within the GREENCAP project, partners have published 19 scientific articles, with at least six additional publications currently in preparation, based on results generated during the project.

Visit our [publications](#) page for a full overview of GREENCAP outputs.

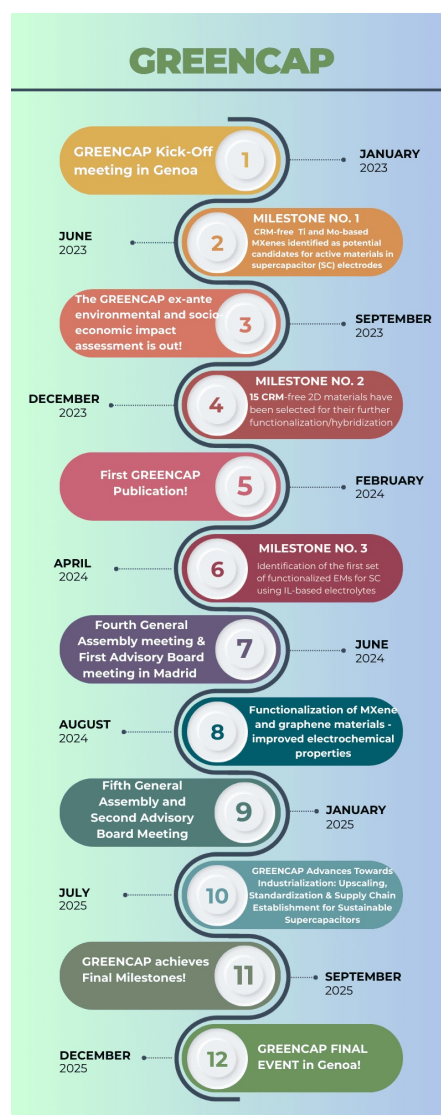
We also invite you to explore highlights from our latest GREENCAP publication by our partner UNISTRA, "Exotic Photothermal Response in Ti-Based MXene Optoelectronic Devices", published in Advanced Electronic Materials.

Read more on our website [here](#).

GREENCAP Results

With the GREENCAP project reaching its final stage, this timeline highlights key moments and results that have shaped the project.

For further details, visit our [results](#) page.



GREENCAP as a Consortium

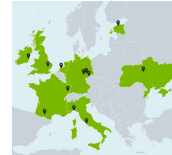


GREENCAP on LinkedIn

Stay connected and follow our journey! GREENCAP has an official LinkedIn page, where you'll find regular updates on the project, events, and partner

Project Partners

GREENCAP joins a multi-disciplinary consortium with 5 Universities, 1 R&D Institute, 6 companies, located in 8 European countries including Italy, Germany, France, Ireland, United Kingdom, Estonia, Ukraine and the Netherlands, to unlock the full potential of supercapacitors as electrochemical energy storage systems.



Facts & Figures

Start date: 01 January 2023

Duration: 36 months

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Deze e-mail is verzonden aan {{email}}.

Als u geen nieuwsbrief meer wilt ontvangen, kunt u zich [hier afmelden](#).

U kunt ook uw [gegevens inzien en wijzigen](#).

Voor een goede ontvangst voegt u projectsupport@uniresearch.com toe aan uw adresboek.