HORIZON EUROPE PROGRAMME

TOPIC HORIZON-CL4-2022-RESILIENCE-01-24

GA No. 101091572

Graphene, MXene and ionic liquid-based sustainable supercapacitor

GREEN CAP

GREENCAP - Deliverable report

D6.4 – Updated dissemination, communication, and exploitation plan

Funded by
the European Union

Deliverable No.	GREENCAP D6.4	
Related WP	WP6	
Deliverable Title	Dissemination, communication, and exploitation plan	
Deliverable Date	2025-10-31	
Deliverable Type	REPORT	
Dissemination level	Sensitive – member only (SEN)	
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Status	Final	2025-10-30

Document History

Version	Date	Editing done by	Remarks
V01	2025-09-20	UNR	First draft
V02	2025-09-21	UNR	checked
V1.0	2025-09-30	UNR	final
V1.1			

Publishable summary

The GREENCAP project is dedicated to advancing supercapacitor (SC) technology as a viable electrochemical energy storage solution, contributing to the EU's climate-neutrality goals and aligning with the objectives of the EU Action Plan on Critical Raw Materials (CRMs). By leveraging layered 2D materials (L2DMs) such as graphene and MXenes for electrodes and utilizing ionic liquids (ILs) as high-voltage electrolytes, GREENCAP aims to develop a CRM-free SC system. This next-generation technology will combine battery-like energy densities (>20 Wh/kg, >16 Wh/L) with the exceptional power density and long cycle life characteristic of traditional electrochemical double-layer capacitors.

This deliverable presents an updated Dissemination, Communication and Exploitation (DCE) Plan in the GREENCAP project. The main objective of the communication strategy is to ensure that the public is well-informed about the project and its potential benefits. Dissemination activities focus on effectively sharing project outcomes and developments with key target groups - potential end-users, industry stakeholders, and researchers with the aim of facilitating market uptake and supporting the advancement of next-generation supercapacitor technologies. A key component of GREENCAP DCE efforts is fostering synergies with other projects and relevant stakeholders. Project results have been actively communicated through participation in high-impact events as well as through open-access publications. This report provides an update on events attended and planned by project partners, an overview of GREENCAP publications, and highlights GREENCAP ongoing efforts to maximize the exploitation of its results. It also includes statistics on the performance of communication and dissemination tools, such as the project website, newsletter, and social media channels, demonstrating the level of interest from stakeholders and the broader public in GREENCAP's progress and innovations.

1 Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

Project partners:

#	Partner short name	Partner Full Name
1	BED	BEDIMENSIONAL SPA
2	SOLV	SOLVIONIC
3	FSU	FRIEDRICH-SCHILLER-UNIVERSITAT JENA
4	SKL	SKELETON TECHNOLOGIES OU
5	TCD	THE PROVOST, FELLOWS, FOUNDATION SCHOLARS & THE OTHER MEMBERS OF BOARD, OF THE COLLEGE OF THE HOLY & UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN
6	TUD	TECHNISCHE UNIVERSITAET DRESDEN
7	UNISTRA	UNIVERSITE DE STRASBOURG
8	SM	SKELETON MATERIALS GMBH
9	UNR	UNIRESEARCH BV
10	CNR	CONSIGLIO NAZIONALE DELLE RICERCHE
11	UCAM	THE CHANCELLOR MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE
12	CU	Y CARBON LLC

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101091572. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union. Neither the European Union nor the granting authority can be held responsible for them.