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‘Toward sustainable batteries based on silicon, sulfur and bio-mass derived carbon’

# Sustainable batteries for a greener future

## Insights into Electric Vehicle Adoption and Next-Generation Battery Technology: A Comprehensive Survey Analysis

We are thrilled to bring you the second edition of the 2BoSS project newsletter! Since the launch of the project in May 2022, our passion for developing a sustainable battery technology has only grown stronger. Over the past months, we have seen electric vehicle adoption reach new heights, and the urgency for sustainable battery technologies has never been more evident.

In our ongoing commitment to keeping you informed about the latest developments in the world of batteries and EVs, we are excited to share some valuable insights with you. Attached to this newsletter, you will find two important reports that shed light on the current landscape of battery technology and electric vehicle adoption. Both of these reports are the result of collaborative efforts from our project partners, who conducted two surveys to battery end-users and battery experts to gather the most relevant and up-to-date data.

# Where are we now?


## 2BoSS 1st Living Lab event

Our first 2BoSS Living Lab event in collaboration with Robocoast EDIH took place online in June, featuring a distinguished panel of experts in the battery and mobility fields. The event recording is now accessible on our YouTube channel.

Watch video

PRESS RELEASE, August 2023

**First Living Lab Event - Silicon Sulfur Batteries: from circular design to industrial uptake**

The *2BoSS project*, in collaboration with *Robocoast EDIH*, recently hosted its first Living Lab event, bringing together key industry experts, researchers, and project partners to explore the cutting-edge advancements in battery technology and next generation batteries. The event was held online on the 15th of June 2023 and was focused on "Silicon Sulfur Battery: from circular design to industrial uptake". Now we are thrilled to share the highlights and key takeaways from the Living Lab experience.

The event started with a warm welcome from **Kati Kiljunen** (*Robocoast EDIH* and **Alessandra Manzini** (*Clenpo GmbH & 2BoSS project member*), who set the stage for an engaging and insightful session which had the opportunity to host several experts in the battery and mobility fields:

- **Inga Petersen**, Executive Director of the *Global Battery Alliance (GBA)* – international affairs and sustainability professional focused on project management, implementation, and capacity building both in the public and private sectors.
- **Wouter Ijzermans**, Executive Director of the *Batteries European Partnership Association (BEPA)* – leading the development of a competitive and sustainable battery value chain in Europe, driving collaboration and innovation while advocating for policies that support sustainable development.
- **Pirita Damski**, International Business Manager at *Robocoast EDIH* – experienced international relations professional and advocate for innovation and collaboration, she plays a crucial role in connecting companies and organisations internationally in the robotics and automation sector.

## 2BoSS 1st press release

The very first 2BoSS press release, which was launched in August, provides a comprehensive overview of the outcomes and key highlights from our first Living Lab event. We invite you to explore the full details!

Read now!

# What is next?


Advanced Engineering


Raw Materials Week


Battery Innovation Days

1-2 Nov 23, Birmingham (UK)

13-17 Nov 23, Brussels (BE)

14-15 Nov 23, Bordeaux (FR)


### Journée Technique

11 Jan 24, Saint-Fons (FR)


### IRTC Torino

21-23 Feb 24, Torino (IT)


### MATSUS24

4-8 March 24, Barcelona (ES)

The **2BoSS project** aims at developing a battery technology based on silicon, sulfur, and biomass-derived carbon, supported on a cobalt-free Li2S based cathode and a graphite and lithium-dendrite-free silicon-based anode. It's being designed for a circular economy, minimizing the use of Critical Raw Materials (CRMs) while optimizing performance and incorporating effective recycling strategies, overall aiming to reduce negative environmental, health, and safety impacts.

For more information about the 2BoSS project, please visit our website

**The 2BoSS website**

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