



## Newsletter issue 5

### Welcome...

... to the 5th edition of the MeBattery newsletter. We are nearing the end of the year and the past months have been quite exciting: The consortium held its 2<sup>nd</sup> workshop on “Technology transfer in energy storage” in Burgos and we have joined the MDLES EIC Pathfinder Portfolio. This offers a great opportunity to collaborate with other projects and initiatives striving to drive the energy transition in Europe. We are also pleased to introduce another member of our team, Antonio Martínez from IMDEA Energy. With this newsletter, we wish the entire battery community happy holidays. See you next year!



### MeBattery Progress Meeting and Workshop in Burgos



On 23-24 October 2023, the MeBattery consortium gathered in Burgos for their 3<sup>rd</sup> Progress Meeting and the 2<sup>nd</sup> public workshop on “Technology transfer in energy storage”. During the workshop, the participants got first-hand advice on the process of transferring

technology from lab to the market from successful entrepreneurs, researchers and founders of start-up companies in the field of energy storage.

A full report and slide decks of the workshop presentations are available on the website.



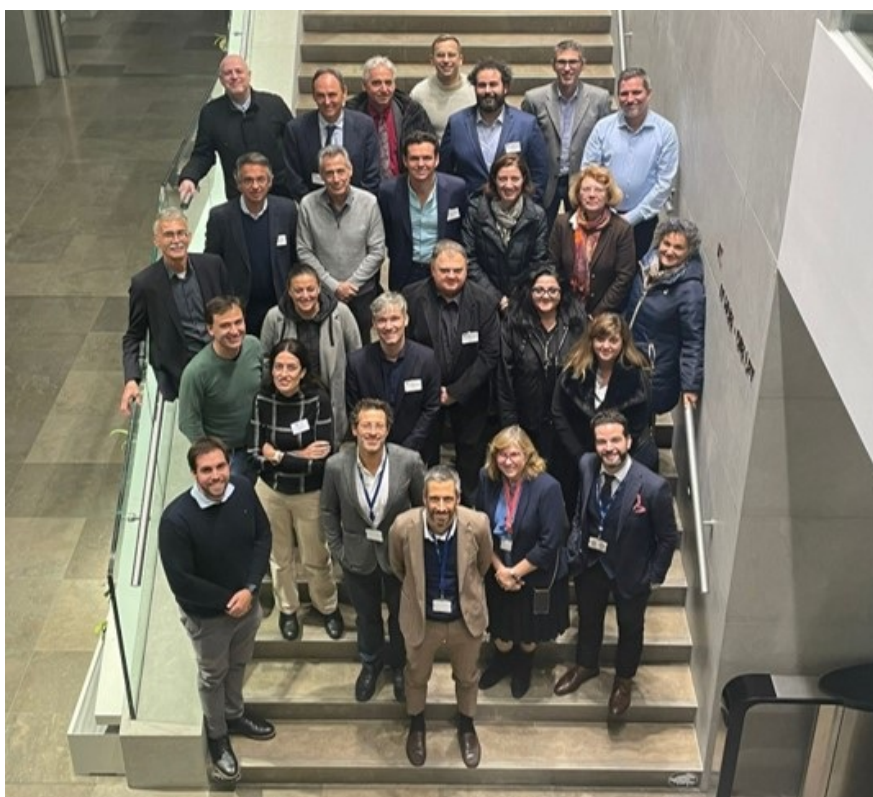
## Meet the MeBattery team: Antonio Martínez

With this issue, we are introducing to you Antonio Martínez. He works in the Electrochemical Processes Unit at IMDEA Energy where they develop a variety of electrochemical energy storage devices.

Antonio is intrigued by the synergy of energy and evolution and eager to see how his research on membrane-free redox flow batteries can address the world's demand for energy.

Read the full interview on the MeBattery website.

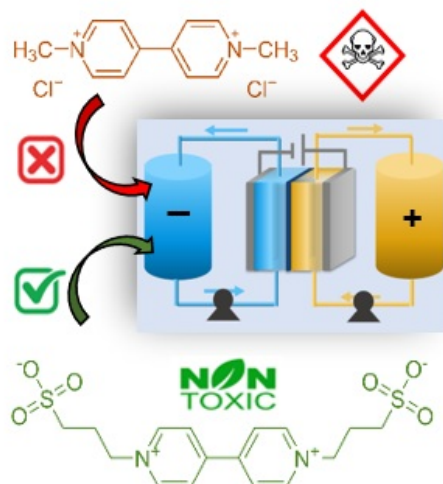
## MeBattery joins the MDLES EIC Pathfinder Portfolio



On 16-17 November 2023, the MDLES (Mid to long term and systems integrated energy storage) EIC Pathfinder Portfolio kicked off their activities in Brussels. We are happy to announce that MeBattery joined the portfolio with the aim to optimise European energy storage and enable strategies and capabilities to respond to the increasing energy demand.

More information on MDLES is available on our website.

## Publication: On the Tunability of Toxicity for Viologen-Derivatives as Anolyte for Neutral Aqueous Organic Redox Flow Batteries



*Sandra de la Parra, Juan Antonio Tamayo-Ramos, Rubén Rubio-Presa, Daniel Perez-Antolin, Virginia Ruiz, Prof. Roberto Sanz, Carlos Rumbo, Prof. Edgar Ventosa*

Viologen-derivatives are the most widely used redox organic molecules for neutral pH negative electrolyte of redox flow batteries. However, the long-established toxicity of the herbicide methylviologen raises concern for deployment of viologen-derivatives at large scale in flow batteries. Herein, we demonstrate the radically different cytotoxicity and toxicology of a series of viologen-derivatives in in vitro assays using model organisms representative of human and environmental exposure.

The full publication is available here.

## Updated Strategic Energy Technology (SET) Plan Adopted by European Commission



Since its launch in 2007, the SET Plan has been instrumental in supporting the development of clean, efficient, and cost-competitive energy technologies. In October 2023, The EC adopted a revised version of the Plan which will continue to be essential for delivering on the fifth dimension of the Energy Union – Research, Innovation, and Competitiveness – and will also be firmly anchored within the European Research Area (ERA) framework.

Find out more about the SET Plan on our website.



## Announcements

### **MATSUS - Materials for Sustainable Development Conference 2024**

4-8 March 2024

Barcelona, Spain

[More information](#)

### **2024 MRS Spring Meeting**

22-26 April 2024

Seattle, Washington, USA

[More information](#)

We hope that you enjoyed this issue of our newsletter and we look forward to sharing our exciting journey with you.



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### **EURICE - European Research and Project Office GmbH**

Heinrich-Hertz-Allee 1, 66386, Sankt Ingbert

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