

# Electromobility Technology Workshop:

## Driving a Greener Value Chain

by  i-HeCoBatt

Save the Date



17<sup>th</sup> – 18<sup>th</sup> May 2022



Valencia (Spain)

hosted by  LOMARTOV  
[Applied Innovation Engineering]

Under i-HeCoBatt project, Intelligent Heating and Cooling solution for enhanced range EV Battery packs, coordinated by CIDETEC Energy Storage, the consortium and the host partner LOMARTOV are inviting you to attend the “**Electromobility Technology Workshop: Driving a Greener Value Chain**”.

The main objective of the workshop will be to gather key stakeholders and relevant projects on the topic of Green Electric Vehicles and to bring into the spotlight **the latest innovations in the field of the components for EV**, and in general the green mobility, **presenting the outstanding results of i-HeCoBatt project**.

More than 25 speakers will give technical presentations on the political framework and trends in the energy and mobility sector, the present and future solutions & challenges for the green mobility, and finally the latest innovations in the field of EV components covering their whole value chain: from advanced materials, testing & use phase, up to end-of-life solutions.

More information will be announced soon. If you are interested in sustainable solutions for transport, the future of electromobility and EV battery value chain we invite you to book your trip to *Valencia, Spain, on 17-18 May 2022*.

Registration is available [HERE](#).

The venue of the event will be at the NH Valencia Las Artes, Avinguda de l'Institut Obrer de Valencia, 28, 46013 Valencia, Spain.

LOMARTOV's team and the whole consortium are looking forward to seeing you at this event.



*For any questions, please do not hesitate to contact the host team at:*

[events@lomartov.com](mailto:events@lomartov.com)



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## THE AGENDA

-Tuesday, 17<sup>th</sup> May 2022-

**8:15 Registration and Welcome**

**9:00 Opening - Inauguration of the Innovation & networking days on Green E-vehicles**

- *María Empar Martínez Bonafé* - General Director of Industry, Energy and Mines, Generalitat Valenciana
- *Mikel Arrinda Martínez* - Coordinator of i-HeCoBatt project, CIDETEC
- *Isaac Herraiz Cardona* - Technical Coordinator, LOMARTOV

### BLOCK 1 | POLICY MAKERS

**9:20** • *Guido Sacchetto* – EU Commission, DG Research & Innovation Unit C2 EU Commission

**9:40** • *James Copping* – EU Commission, DG for Internal Market, Industry, Entrepreneurship and SMEs Mobility Unit

**10:00 Round Table 1 - The Electric Vehicles value chain: current and future outbreaking technological innovations**

**Moderator: Pierre Padilla - Technology Deployment Policy Advisor and Founder of N-ABLE**

- *Oscar Miguel Crespo* – Deputy Director, CIDETEC Energy Storage
- *Mayte Gil Agustí* - Coordinator of Applied Chemistry Unit, Energy Technological Institute (ITE)
- *Javier Barahona Albiol* – Technical Manager, Valencian Association of the Electric Vehicle (AVVE)
- *Joaquín Villar Rodríguez* - Andalusian Energy Agency. Coordinator of the EU S3P on Advanced Materials Platform for Batteries - AMBP (leading region Andalucía)
- *Eugenio Domínguez* - Deputy Director, Business Association of Batteries and Energy Storage, AEPIBAL

**10:55 Networking & coffee break**

**11:30 Round Table 2 - European Green mobility: framework, industrial alliances, barriers and opportunities for the adoption of the new generation of EV.**

**Moderator: Pierre Padilla - Technology Deployment Policy Advisor and Founder of N-ABLE**

- *Wouter IJzermans* - Executive Director, Batteries European Partnership Association (BEPA)
- *María Empar Martínez Bonafé* - General Director of Industry, Energy and Mines, Generalitat Valenciana
- *Costanza Hermanin* - Co-Founder & Chief of Public Affairs HYBA Ltd. and representative of the Swappable Batteries Motorcycle Consortium (SMBC)
- *Luigi Lanuzza* - Head of B2C and B2B Innovation Factory, Enel X
- *Santiago Cuesta-López* - ISMC General Manager. EU EIP Raw Materials OG Spanish state representative. Advanced Materials for Batteries Partnership (AMBP) supply of raw materials for batteries value chain coordinator.

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### BLOCK 2 | PRESENT AND FUTURE OF EUROPEAN LEADING INNOVATIONS IN SUSTAINABLE MOBILITY

- 12:40 i-HeCoBatt project - Intelligent Heating and Cooling solution for enhanced range EV Battery packs**  
· *Mikel Arrinda Martinez* - Project Coordinator, CIDETEC
- 13:00 FITGEN project – Functionally integrated e-axis ready for implementation in third generation electric vehicles**  
· *Paolo Pescetto* – Project Coordinator, Polytechnic University of Torino
- 13:20 MatchUP project**  
· *Ernesto Faubel Cubells* – IT Project Manager, Municipality of Valencia
- 13:40 ASTRABAT project - New efficient All Solid State Lithium batteries for electric vehicles**  
· *Sophie Mailley* - Project Coordinator, CEA
- 14:00 Networking Lunch**

### BLOCK 3 | INNOVATION ADVANCES BROUGHT BY i-HeCoBatt

- 15:30 Ensuring thermal safety and battery efficiency through an optimized Thermal Management Strategy (TMS)**  
· *Mikel Arrinda Martinez* – Coordinator of i-HeCoBatt project, CIDETEC
- 15:50 Simulation of battery pack thermal architectures and strategy controls towards EV impact reduction**  
· *Nicolas Hascoët* – R&D Engineer, CEA
- 16:10 FLEXcooler® – Battery cooling with high efficiency, low weight and no need for gap-fillers**  
· *Alois Sonnleitner* - Project Manager, MIBA
- 16:30 Integration of the i-HeCoBatt heat exchanger into the Audi e-tron battery back**  
· *Pierre Woltmann* - Development engineer HV batteries, AUDI
- 16:50 Benefits and opportunities of Ecodesigned EV components: the case of i-HeCoBatt thermal management system**  
· *Enrique Moliner Santistevé* - Sustainability Technologist, LOMARTOV
- 17:10 End of the day**



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- Wednesday, 18<sup>th</sup> May 2022 -

8:50 Welcome from the chairman – Exploring a greener EV value chain

### BLOCK 1 | ADVANCED MATERIALS FOR BATTERIES

- 9:00 **General introduction on EV and batteries materials challenges**  
• *Luis Miguel Varela Cabo* – Professor at University of Santiago de Compostela (USC),
- 9:20 **Facing manufacturing, stability and safety issues in EV batteries**  
• *Maria Martinez Ibañez* – SAFELiMove Project Coordinator, CICenergiGUNE
- 9:40 **Exploring the promise of silicon anodes**  
• *Warda Hadouchi* – Innovative Batteries Engineer, NANOMAKERS
- 10:00 **Raw Materials and Manufacturing Strategies for Solid Electrolyte in Batteries**  
• *Alex Friesen* - R&D Leader - Battery Materials and Processing Technology, DAIKIN



### BLOCK 2 | ABOUT EV AND COMPONENTS LIFESPAN BOOSTING

- 10:20 **Flexible advance Battery Management Systems (BMS)**  
• *Mikel Oyarbide* – Senior Researcher in Battery systems, CIDETEC Energy Storage
- 10:40 **X-in-the-Loop techniques for rapid prototyping of BMS**  
• *Lluís Trilla Romero* – Researcher, MARBEL Project, IREC
- 11:00 **Lightweight Battery System for Extended Range at Improved Safety**  
• *Egoitz Martinez-Laserna* - Coordinator of LIBERTY Project, IKERLAN S. COOP
- 11:20 **Networking & coffee break**

### BLOCK 3 | GREEN MOBILITY USE EXPERIENCES AND INFRASTRUCTURE CHALLENGES

- 11:40 **EV market status and perspectives**  
• *Eduardo Rivero Graña* - Electric vehicle unit responsible, Automotive Technology Centre of Galicia (CTAG)
- 12:00 **E-mobility adoption: Success stories INCIT-EV**  
• *Miguel Zarzuela Cepero* – Project Manager, CIRCE
- 12:20 **E-mobility adoption: Success stories eCharge4Drivers**  
• *Evangelos Karfopoulos* – Project Manager, Institute of Communication and Computer Systems (ICCS)
- 12:40 **E-mobility adoption: Success stories from Portugal**  
• *Carlos Almeida* – CEO and Founder of EVIO



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### BLOCK 4 | CIRCULAR ECONOMY: START AND END OF LIFE

- 13:00**     **The regulatory and standardization scenario towards a circular market for EV components**
  - *Javier López Rodríguez* - UNE
- 13:20**     **Battery recycling and recovery of raw materials**
  - *Justo García* - Head of Financing Strategy, ORANO
- 13:40**     **Finland-based Circular Ecosystem of Battery Metals – BATCircle 2.0**
  - *Benjamin Wilson* – Researcher, Aalto University
- 14:20**     **Networking Lunch**



*End of the “Electromobility Technology Workshop: Driving a Greener Value Chain”*

