

DELIVERABLE 4.3
NEXT GENERATION
SCIENTISTS EVENT AND
MANIFESTO M 30

BATTERY
2030+

At the heart of a connected green society

Document Classification

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1 INTRODUCTION

Engaging and empowering the next generation of scientists is a core pillar of the BATTERY 2030+ initiative, as young researchers play a crucial role in shaping the future of battery research, innovation and education in Europe. Within this framework, WP4 aims to go beyond isolated engagement actions by building a structured, inclusive and forward-looking community of early-career scientists, capable of contributing actively to the long-term vision of BATTERY 2030+.

Building on previous experiences, several complementary actions were implemented during the reporting period to strengthen young scientists' involvement and ownership. First, an innovative workshop on battery recycling was organised, addressing one of the most critical cross-cutting challenges for sustainable batteries. The workshop combined technical training with an interactive online "hackathon-style" activity, designed to stimulate problem-solving, creativity and peer-to-peer exchange. Contents were co-developed with contributions from ongoing EU-funded projects in the battery domain, as well as from industrial actors directly involved in battery recycling, ensuring a strong link between research, innovation and real-world industrial practices.

In parallel, BATTERY 2030+ supported the establishment of the "**Battery 2050**" community, a European network of early-career researchers sharing a common interest in long-term battery research challenges. This community represents a first step towards a permanent platform for young scientists' interaction, dialogue and self-organisation. Initial bottom-up initiatives have already been launched within the network, including specific seminars organized by and for young researchers, fostering visibility and cross-disciplinary exchange.

Finally, a new edition of the **Young Scientists Event** was organised, further reinforcing the pan-European dimension of the initiative. The event was held simultaneously in six European cities, connected through online tools, allowing young scientists from different geographical areas to interact, exchange perspectives and jointly discuss future research directions. This distributed yet coordinated format proved particularly effective in promoting inclusiveness, reducing participation barriers and strengthening the sense of belonging to a common European research community.

2 EDUCATIONAL WORKSHOPS

Some initiatives are carried out in order to increase the knowledge on some topics at the basis of the seminal ideas coming from Battery2030+. In fact, a specific workshop on recycling have been organized to give visibility to the funded projects under Battery2030+ umbrella and open discussion with companies. In fig.1 is reported the agenda of the workshop.

Workshop on Recycling
March 6th 2025
Online

Link to connect

https://teams.microsoft.com/l/meetup-join/19%3ameeting_N2FjMzY0M2YtNzU2OS00NDZkLWJhY2EtNWNIMTRIMGJhM2FI%40thread.v2/0?context=%7b%22Id%22%3a%222a05ac92-2049-4a26-9b34-897763efc8e2%22%2c%22Oid%22%3a%223d7c4742-877d-4d08-8e5f-773596667bdf%22%7d

Agenda

Morning: Educational and Informative Session

9:30 - 9:45 | Opening and Welcome (Silvia Bodoardo and Guinevre Giffin)

9:45 - 10:45 | Session 1: Innovations in Recycling and Material Recovery Techniques (chair Silvia Bodoardo)

- Battery Recycling: state-of-the-art and new approach by Direct Recycling. Marcel Meeus
- Presentation of industrial processes: David Flaschenträger Kyburz, Stena,
- Brief poll

10:45 - 11:15 | Session 2: Overview of European Projects on Battery Recycling (chair Guinevre Giffin)

- RENOVATE (Eliana Quartarone), ReUSE (Andreas Flegler)
- Q&A session with the audience

11:15 - 11:45 | Break

11:45 - 12:30 | Round Table Discussion (chair Guinevre Giffin)

Future perspectives and challenges in battery recycling

Marcel Meeus, Arne Seeger, Stena, Umicore, Eliana Quartarone, Andreas Flegler

Afternoon: Interactive Online Hackathon for Young Scientists

13:30 – 13:45 | Introduction to the Hackathon Express

13:45 - 15:15 | Team Working Session

15:30 - 16:15 | Pitches Presentations

16:15 - 16:30 | Voting session

16:30 | Closing of the workshop

Fig. 1 Agenda of the workshop on recycling

The workshop was designed to highlight both the scientific outcomes and the technological perspectives emerging from European research on battery recycling, while at the same time creating a dialogue with companies operating along the recycling value chain. The morning session adopted a more descriptive and educational approach. It started with an overview of battery recycling strategies, covering both the state of the art and emerging concepts such as direct recycling, presented by Marcel Meeus. This was followed by a contribution focused on industrial recycling processes and scale-up challenges, delivered by representatives from Stena, providing a concrete industrial perspective on current practices and future developments.

A round-table discussion then brought together speakers, project representatives and participants to address future opportunities and remaining challenges in the field of battery recycling, including sustainability, economic viability, regulatory aspects and skills needs. This interactive session enabled a broad exchange of views between academia, industry and young researchers.

In the afternoon, the workshop introduced an innovative and highly engaging **online hackathon-style activity**, during which participants were asked to work in teams and develop a pitch imagining the creation of a start-up operating in the battery recycling sector. Despite the fully online format, the activity achieved a high level of participation and interaction. The proposed solutions demonstrated creativity, technical awareness and a strong understanding of market and sustainability constraints. The winning team was awarded the opportunity to attend the BATTERY 2030+ Annual Conference 2025 free of charge, further strengthening the link between young researchers, the research community and flagship initiative events.

(see <https://battery2030.eu/education/activities/>).

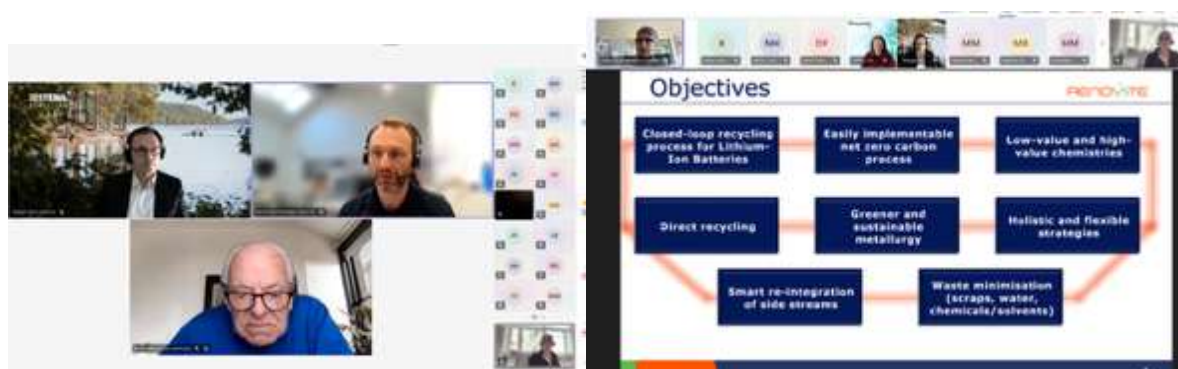


Fig. 2 Some pics of the workshop

3 THE YOUNG SCIENTISTS EVENT

3.1 Introduction

The Young Scientists Event 2025 was organised within the framework of the BATTERY 2030+ initiative with the objective of further strengthening the involvement of early-career researchers in shaping the future of European battery research, innovation and education. The event targeted young scientists within seven years after the completion of their Ph.D. and aimed at providing them with a platform to

exchange ideas, interact with leading experts from academia, industry and policy, and actively contribute to the long-term vision of BATTERY 2030+.

An open call was launched within the BATTERY 2030+ community and related networks, inviting young researchers to apply for participation. The selection process was carried out taking into account several criteria, including geographical balance, gender equality and diversity of educational background. In line with the interdisciplinary ambition of BATTERY 2030+, participants were not exclusively battery experts, but also included researchers with backgrounds in engineering, chemistry, physics, materials science, economics, social sciences and other complementary fields. This diversity was intentionally promoted in order to enrich discussions and stimulate cross-fertilisation of ideas.

Approximately **160 young scientists** participated in the event. During the registration phase, applicants were asked to indicate their preferred hosting location, enabling an effective distribution of participants across the different venues while preserving diversity at each table. The event was organised simultaneously in multiple European locations, hosted by **Politecnico di Torino (Italy), Uppsala University (Sweden), Vrije Universiteit Brussels (Belgium), Warsaw University of Technology (Poland)**, with the additional involvement of **CNRS** and **Fraunhofer ISC** as hosting and contributing institutions. All venues were interconnected through live online connections, allowing continuous interaction and joint discussions among participants.

The people in charge of these activities and who organized the events for each university are listed below:

CNRS Amiens.	Emma Prevignano
Vrije Brussels University	Kato Daems
Fraunhofer ICS Wurzburg	Guinevere Giffin
Politecnico di Torino	Silvia Bodoardo
Uppsala University	Andy Naylor and Kajsa Saykali
Warsaw Technical University	Marek Marcinek

The overall objective of the event was to stimulate forward-looking discussions on the future of batteries in Europe, addressing not only technological challenges but also sustainability, industrialisation, societal impacts and regulatory aspects, and to translate these discussions into shared visions and recommendations emerging directly from the next generation of scientists.

3.2 The event

The Young Scientists Event 2025 was preceded by an extensive preparation phase aimed at ensuring active and informed participation. Dedicated coordination meetings were organised with the table leaders to clarify their roles in facilitating discussions and synthesising outcomes. In addition, preparatory online meetings were held with all participants to present the objectives, structure and working methodology of the event, enabling participants to arrive well prepared and already familiar with their discussion groups.



Fig. 2 Geographical distribution of hosting universities

The agenda of the event is reported in Fig3 and structured around a combination of keynote inputs and extended table discussion.

9.00	Welcome	Silvia Bodoardo POLITO
	European Commission	Johan Blondelle European Commission
	Battery2030	Patrik Johansson Uppsala
09.30	round table of hosting universities	POLITO, Uppsala, VUB, WUT, CNRS, FHG ISC
09.45	15 min presentation of participants around tables	
10.00	Novelties in battery area: next generation batteries	Mathieu Morcrette (CNRS Amiens)
10.10	Table free discussions	
11.00	Sustainable systems, recycling and second life, circular economy	Witold Uhrynowski (Warsaw)
11.10	Table free discussions	
12.00	Sustainable production processes. How to learn from mistakes	Ilka Von Dalwigk (Recharge)
12.10	Table free discussions	
13.00	LUNCH	
14.30	Industry and EU regulations	Stefan Wolf (VDI-VDE)
14.40	how to commercialize a product	Elena Bonvecchio (BEPA)
14.50	Table free discussions	
15.30	Societal impacts of electrification and bureaucracy	Stefano Corgnati (Politecnico di Torino)
15.40	Table free discussions	
16.20	Each table prepares a summary	
16.50	Table leaders combine summaries	
17.10	Each university presents the results on line	
18.10	Conclusions	Silvia Bodoardo

Fig. 3 Agenda of the young scientists event.

The day opened with a welcome address by Silvia Bodoardo (Politecnico di Torino), followed by institutional contributions from the European Commission by Johan Blondelle. The BATTERY 2030+ initiative was then introduced by representatives of the coordination team, including Patrik Johansson (Uppsala University), setting the strategic context for the discussions.

A round table involving the hosting universities and research organisations (POLITO, Uppsala University, VUB, WUT, CNRS and Fraunhofer ISC) introduced the distributed format of the event and highlighted the importance of transnational collaboration. Participants then briefly presented themselves at their respective tables, fostering an open and inclusive atmosphere from the early stages of the day. The core of the programme alternated short thematic presentations with extended free discussions at the tables.

The topics on which the young scientists were to focus are listed here

- Novelties in battery area: next generation batteries (e.g., solid state, Si-anode, advanced LiB, smart functionalities).
- Sustainable systems, recycling and second life, circular economy.
- Industry and EU regulations, how to commercialize a product, sustainable production processes.

The short presentations of no more than 10 minutes were focused on the themes listed above and on which the young scientists would have to prepare their manifesto. These themes were defined by the Youth community which is reported later in this deliverable and voted by them during the year of the 2025 Conference.

The invited talks addressed key dimensions of the battery value chain and the energy transition, including next-generation battery technologies (Mathieu Morcrette, CNRS Amiens), sustainable systems, recycling and second life within a circular economy perspective (Witold Uhrynowski, Warsaw), sustainable production processes and learning from industrial experience (Ilka von Dalwigk, Recharge), industry needs and EU regulatory frameworks (Stefan Wolf, VDI-VDE), pathways to product commercialisation (Elena Bonvecchio, BEPA), and societal impacts of electrification and bureaucratic challenges (Stefano Corgnati, Politecnico di Torino).

All presentations were delivered either in person at one of the hosting locations or remotely, and broadcast simultaneously to all venues, ensuring that all participants received the same inputs regardless of their physical location. These common stimuli served as a basis for in-depth discussions at the tables, where young scientists exchanged views, challenged assumptions and jointly explored future research directions. Each table was moderated by a designated table leader, whose role was to guide the discussion and collect the key messages emerging from the group.

In the final part of the day, each table prepared a structured summary of the main conclusions and key messages emerging from the discussions. These summaries were first consolidated at local level and subsequently presented online by each hosting university to all participants. This final session enabled a direct exchange among the different locations, allowing young scientists to compare perspectives, highlight convergences and discuss differences across tables and venues.

Throughout the entire day, the sharing of contents and discussions was continuous and fully integrated across all hosting universities. Although participants were physically seated at specific locations, they were constantly connected to the other venues through live online interactions, shared presentations and joint discussion moments. This format ensured that participants could follow in real time what was happening at the other universities, fostering a strong sense of a single, cohesive European event rather than parallel local meetings.

The working day was concluded with a final wrap-up session delivered by Silvia Bodoardo, summarising the main insights, shared priorities and overall added value of the event, and highlighting the

importance of actively engaging the next generation of scientists in shaping the future vision, research directions and educational pathways of BATTERY 2030+.



Fig. 4 Presentation given simultaneously in all 4 universities simultaneously



Fig. 5 Young scientists sitting around table and participating at the discussions

At the end of the day, the table leaders met and prepared summary slides of the work that emerged during the discussions. These presentations were presented to all other participating universities.

The working day was concluded with the photos of the groups in the four universities (Fig. 6-11)



Fig. 6 the Torino group



Fig.7 the Brussels group



Fig. 8 the Uppsala group



Fig. 9 the Warsaw group



Fig.10 the Wurzburg group



Fig. 11 the Amiens group

3.3 Manifesto writing

In the months following the event, the table leaders met online every week to organize the writing of the Manifesto. This work was subsequently shared with all event participants for corrections, additions and modifications. The Youth Manifesto in Europe was published on the Battery2030 website at the end of July 2025. The document is public and can be downloaded from: <https://battery2030.eu/news/activities/young-scientist-manifesto/>

Below are the names and photos of those who physically wrote the manifesto which was then revised by all the participants of the tables for any changes and additions

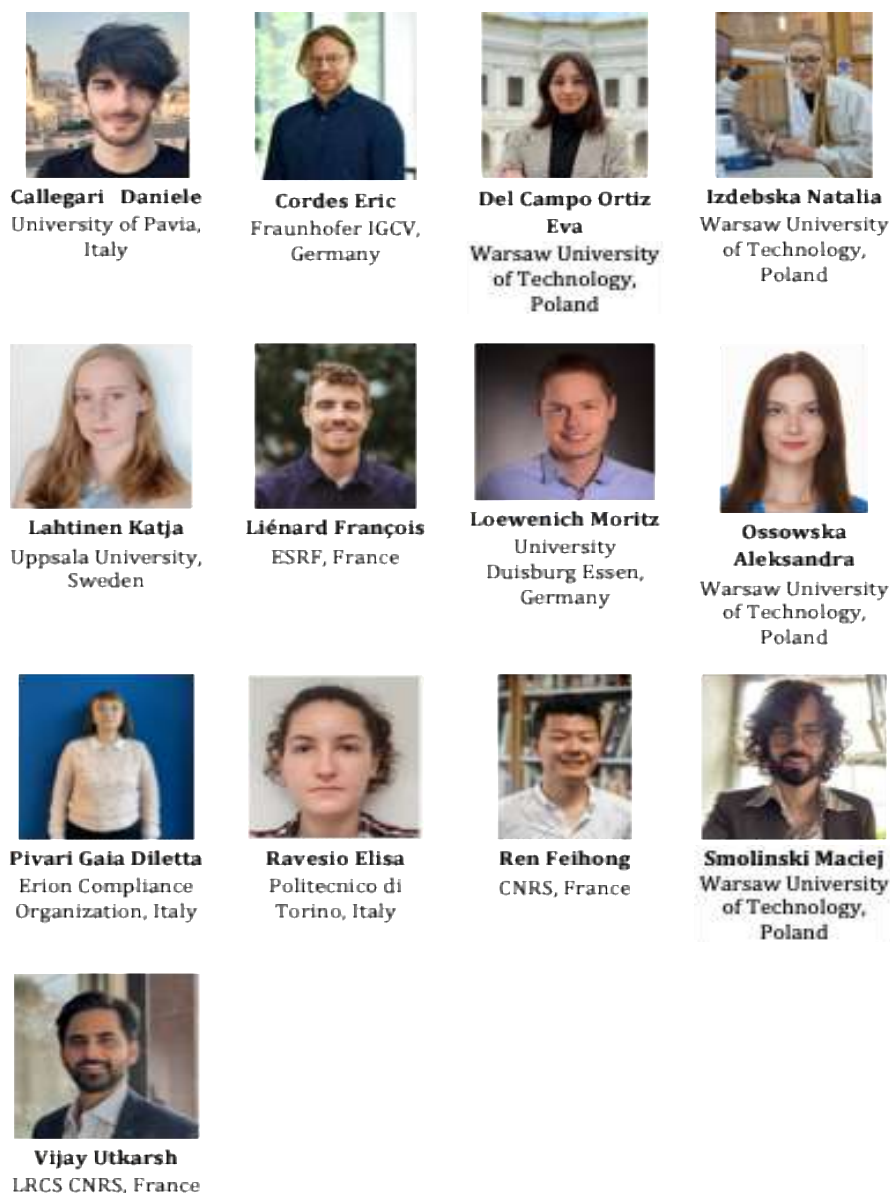


Fig. 12 the table leaders writing the manifesto

In the visual abstract shown in the following figure indicates the centrality of the batteries around the three themes that have been dealt with within the manifesto



Fig. 12 Visual abstract

3.4 Manifesto presentation

The composed Manifesto was presented at Nanoinnovation conference on September 18th 2025 in Rome during a specific session entitled “Batteries of the Future: young scientist sharing innovative ideas, some scientists presented deeply the results achieved during the discussions of the Young Scientists Event and collected in the Manifesto.

(<https://www.nanoinnovation2025.eu/home/index.php/daily-schedule/plan-18-september?view=article&id=721:young-scientists-for-electrochemical-storage-1-2&catid=115:plan-18-september>)

The program is illustrated in Fig. 13

HOME ORGANIZATION REGISTRATION CORE PROGRAMME FEATURED EVENTS DAILY SCHEDULE SOCIAL MOMENT		
SUPPORTERS PATRONAGES PRESS COVERAGE WHO MENTION US PAPERS DOWNLOAD THE PAST SEARCH		
LOGO NANOCINNOVATION 2026 PHOTO GALLERY		
The activity is funded by the Program Agreements between ENEA and the Italian Ministry of the Environment and Energy Security (MASE). Project 1.2 "Technologies for electrochemical and thermal storage" (PTR 2025-2027, GUP I53C24003300001).		
The symposium is part of WS.VII - WS.X		
TT.V.J.1 WS.VII.5.1 WS.X.1.1	Margherita MORENO - CV ENEA Introduction - Current Developments in Battery Research with a Focus on the National Three-Year Programme (PTR 2025-2027)	
TT.V.J.2 WS.VII.5.2 WS.X.1.2	Silvia BODOARDO Polytechnic University of Turin Battery 2030+ vision for the future	
TT.V.J.3 WS.VII.5.3 WS.X.1.3	Daniele CALLEGARI - CV University of Pavia Young Scientist Battery Manifesto Topic 1: New Technologies	
TT.V.J.4 WS.VII.5.4 WS.X.1.4	Eric CORDES - CV Fraunhofer IGC, Germany Young Scientist Battery Manifesto Topic 2: Sustainability and Circular Economy	
TT.V.J.5 WS.VII.5.5 WS.X.1.5	Utkarsh VIJAY - CV University of Picardie, France Young Scientist Battery Manifesto Topic 3: Industry and EU perspective	
TT.V.J.6 WS.VII.5.6 WS.X.1.6	Daniele CALLEGARI - CV, University of Pavia Eric CORDES - CV, Fraunhofer IGC, Germany Utkarsh VIJAY - CV, University of Picardie, France Pitch presentations on ongoing research topics in battery science	  

Fig. 13 program of Nanoinnovation session

4 SESSIONS FOR YOUNG SCIENTISTS WITHIN BATTERY2030 ANNUAL CONFERENCE

The BATTERY 2030+ Annual Conference was deliberately designed not only as a high-level scientific and industrial forum, but as a structured, multi-day engagement pathway for young scientists, fully embedded within the main conference agenda. Rather than being confined to a single side event, early-career researchers were actively involved before, during, and after the core scientific sessions, ensuring continuity, visibility, and real interaction with senior scientists, industry representatives, and policymakers. The description which follows is generally used in the last two annual conferences held in Grenoble (2024) and Muenster (2025). The complete agendas are reported in Annex 1

4.1.1 Day 0 – Empowering Young Scientists Before the Conference

The conference opened with a dedicated pre-conference day (Day 0) specifically tailored to young scientists. This choice set a clear signal: young researchers are not peripheral participants, but a strategic pillar of the BATTERY 2030+ community.

The first activity focused on scientific excellence and career development, through a targeted session on “How to publish in scientific journals”, led by the Editor-in-Chief of a major scientific publisher. This session addressed a concrete and widely shared need among early-career researchers: understanding peer-review dynamics, editorial expectations, and strategies to increase the impact and quality of scientific publications. By positioning this activity before the main conference, participants were equipped with tools that directly supported both their immediate research output and long-term career progression.

This was followed by a young scientists networking and discussion session, explicitly designed as a safe and interactive space. Here, young researchers exchanged experiences, challenges, and expectations related to battery research careers, interdisciplinarity, and the future of European battery R&I. Importantly, this session was not isolated: it laid the groundwork for the contributions young scientists would make throughout the conference.

The day concluded with a joint welcome reception, where young scientists and senior participants interacted informally, fostering early connections that continued during the following days.

4.1.2 Day 1 – Active Integration into the Core Scientific Programme

On the first main conference day, young scientists were fully integrated into the overall agenda, both as participants and contributors.

During the morning and early afternoon, they attended high-level keynote lectures, industry talks, and panel discussions, gaining exposure to state-of-the-art research directions, industrial roadmaps, and European policy perspectives. This ensured a shared knowledge base between generations and sectors.

Crucially, the agenda then explicitly returned to the young scientists. A follow-up discussion session allowed them to reconnect, reflect collectively on the content of the plenary and parallel sessions, and relate it to their own research activities and career paths. This iterative approach transformed passive listening into active sense-making and critical reflection.

Later in the day, young scientists took centre stage during the poster pitch session. Short, focused presentations enabled them to communicate their research to a broad audience in a concise and accessible way, strengthening both scientific clarity and communication skills. The subsequent extended poster session offered prolonged, in-depth discussions with senior researchers, industry representatives, and peers, reinforcing the conference’s role as a platform for mentorship, feedback, and collaboration building.

4.1.3 Day 2 – From Individual Research to Collective Voice

The second conference day further consolidated the role of young scientists by giving them formal visibility within the plenary programme.

Dedicated sessions showcased young scientists’ research presentations, selected to represent the diversity of topics and approaches within the BATTERY 2030+ ecosystem. These talks demonstrated not only scientific excellence, but also the ability of early-career researchers to address complex challenges such as advanced materials, interfaces, data-driven approaches, and manufacturability.

Importantly, the agenda culminated in a session where young scientists presented the outcomes of their collective discussions. This moment marked a transition from individual contributions to a shared, community-level perspective, highlighting priorities, needs, and recommendations from the next

generation of battery researchers. By embedding this presentation within the official programme, the conference ensured that young scientists' voices were heard directly by project leaders, senior academics, and European stakeholders.

4.1.4 Added Value and Long-Term Impact

Across the three days, the activities dedicated to young scientists formed a coherent engagement pathway, combining:

- capacity building (publishing skills and scientific communication),
- networking and community building,
- active participation in scientific discourse,

and structured opportunities to influence the broader BATTERY 2030+ vision.

This approach moved beyond traditional conference formats, positioning young scientists as active co-creators of the European battery research agenda rather than passive attendees. The integration of their activities throughout the agenda ensured visibility, continuity, and meaningful interaction, fully aligned with BATTERY 2030+ objectives on long-term excellence, interdisciplinarity, and sustainability of the European battery R&I ecosystem.

5 THE BATTERY2050 COMMUNITY

During the 2024 Grenoble Annual Conference, the first European community connecting young scientists in Europe was formed. This community wants to try to create networks between young people who are carrying out their first research activities in different places in Europe both for the exchange of ideas and common work with a view to growing a community of future researchers in Europe that knows how to be competitive and collaborative. At the annual conference in Muenster, the community has been consolidated by a board that has launched some initiatives during its first year of work. In particular, seminars have been launched and are collected on the Battery2030 website.



Fig.14 the Young Scientists Community in Grenoble



Fig.15 the Young Scientists community in Muenster

Meet our board

BATTERY 2030+ Contributing to
The European Batteries
R&D Community

Dr. Jan-Philipp Hoffknecht, Postdoc, Helmholtz-Zentrum Berlin Operando characterization of solid-state sodium-sulfur batteries jan-philipp.hoffknecht@helmholtz-berlin.de	Mr. Bilal Tasdemir, German Aerospace Center, Phoenix Core/shell structured NMC Bilal.tasdemir@dlr.de	Mr. Jan Pleis Forschungszentrum Jülich GmbH, Continuum simulation of CAMs j.pleis@fz-juelich.de
Dr. Dominik Voigt MEET Battery Research Center Deputy Head Division Materials dominik.voigt@uni-muenster.de	Dr. Simon Albers, MEET Battery Research Center, HIPOBAT/BACCARA, Electrode processing and sodium ion anodes simonalbers@uni-muenster.de	

Fig. 16 the board of the Young Scientists Community

6 CONCLUSIONS

The activities reported in this deliverable demonstrate that BATTERY 2030+ has successfully established a structured, inclusive and impact-oriented framework for engaging and empowering the next generation of European battery scientists, moving well beyond isolated or one-off initiatives.

Across the reporting period, approximately 160 early-career researchers (within seven years after completion of their PhD) were actively involved in dedicated and integrated actions, ensuring broad geographical coverage, gender balance and interdisciplinary representation. Young scientists participated not only as attendees, but as active contributors, shaping discussions, producing collective outputs and progressively taking ownership of a shared long-term vision for battery research, innovation and education in Europe.

The combination of educational workshops, distributed young scientists' events, co-creation of a Manifesto, and full integration within the BATTERY 2030+ Annual Conference agenda resulted in clear and tangible outcomes. In particular, the educational workshop on battery recycling demonstrated the effectiveness of coupling technical knowledge with interactive and problem-oriented formats, enabling participants to develop transversal competences such as scientific communication, teamwork, system-level thinking, and awareness of industrial, regulatory and sustainability constraints. The hackathon-style activity further strengthened creativity and entrepreneurial thinking, while reinforcing the link between young researchers and flagship BATTERY 2030+ events.

The Young Scientists Event 2025 represented a key milestone in consolidating a pan-European community of early-career researchers. Its distributed, multi-location format ensured inclusiveness and accessibility, while preparatory activities and structured table discussions enabled informed, forward-looking and interdisciplinary exchanges. Importantly, the event generated a concrete and lasting output: the Young Scientists Manifesto, which translated collective discussions into shared priorities and recommendations. The Manifesto was publicly disseminated and presented at a high-level external conference, extending its visibility and impact beyond the BATTERY 2030+ community and positioning young scientists as credible contributors to European debates on battery technologies and the energy transition.

A further significant outcome is the progressive consolidation of the Battery 2050 community, which has evolved from an initial networking initiative into a self-organising, bottom-up structure, including the establishment of a board and the launch of independent seminar activities. This evolution demonstrates a transition from project-driven engagement to a sustainable community with long-term perspective, capable of continuing beyond the lifetime of the project.

The deliberate and systematic integration of young scientists' activities throughout the BATTERY 2030+ Annual Conference agenda—before, during and after the core scientific sessions—proved particularly effective. Early-career researchers were fully embedded in plenary sessions, parallel tracks, poster pitches and discussion moments, ensuring visibility, intergenerational dialogue and direct interaction with senior academics, industry representatives and European stakeholders. This approach clearly positioned young scientists as active co-creators rather than passive participants within the BATTERY 2030+ ecosystem.

Overall, the actions described in this deliverable provide a robust and replicable model for meaningful young scientist's engagement within large European research and innovation initiatives. They directly contribute to BATTERY 2030+ objectives on excellence, interdisciplinarity, education and long-term community building, while laying the foundations for a new generation of researchers equipped not only with strong scientific expertise, but also with a shared European vision and the transversal skills required to shape the future of sustainable battery technologies.

ANNEX 1

In the following the list of presented posters at the Annual Conference 2024 in Grenoble of Battery2030.

Day	Time (GMT)	Session / Activity	Title / Description	Speakers / Notes
Mon 5 May (Day 0)	15:15–16:00	Registration	Registration	
	16:00–17:15	Special Talk	How to publish in scientific journals	Editor-in-Chief of Wiley
	17:15–18:30	Networking	Young scientists networking session	
	18:30–21:30	Social Event	Welcome reception	
Tue 6 May (Day 1)	08:15–09:00	Registration	Registration & Coffee + poster setup	
	09:00–09:10	Session 1	Open remarks and welcome	Prof. Johannes Peter Wessels
	09:10–09:15		Welcome remarks	Prof. Martin Winter
	09:15–09:30		Greetings	Wouter Ijzermans
	09:30–10:00	Keynote	Battery 2030+ overview	Prof. Patrik Johansson
	10:00–11:00	Keynote	Poly(ionic liquids) for next-gen batteries	Prof. Maria Forsyth
	11:00–11:30	Coffee Break	Coffee break	
	11:30–11:45	Industry Talk	BASF Battery Materials	Dr. Aleksandr Kondrakov
	11:45–12:00	Industry Talk	Verkor industrial journey	Dr. Anna Teyssot
	12:00–12:15	Industry Talk	Basquevolt development	Michal Piszcz
	12:15–12:30	Industry Talk	LFP perspectives	Dr. Mark Copley
	12:30–13:00	Panel	Industry panel discussion	
	13:00–14:30	Lunch & Posters	Lunch break and poster session	

	13:45–14:30	Young Scientists	Discussion session	
	Parallel sessions (Track I)	14:30–15:30	Battery functionality & interface projects	Salamander; Phoenix; HealingBat; Opincharge; Opera; Ultrabat
	Parallel sessions (Track II)	14:30–15:30	Recycling & raw materials projects	Revitalise; Renovate; Reuse; Cicero; Li4Life; Streams
	15:30–16:00	Coffee Break	Coffee break	
	Parallel sessions (Track I)	16:00–17:00	Battery Functionality & Accelerated Materials	rrant; SafeLoop; SAGELi; Full Map
	Parallel sessions (Track II)	16:00–17:00	Manufacturability & Materials Discovery	BatCat; Battwin; Full Map
	17:00–17:30	Poster Pitches	Poster pitch presentations	Multiple presenters
	17:30–19:00	Poster Session	Poster session + snacks	
	19:00–21:30	Dinner	Conference dinner	
Wed 7 May (Day 2)	08:30–08:45	Morning Coffee	Coffee	
	09:00–09:10	Session 3	Greeting from European Commission	Dr. Johan Blondelle
	09:10–10:00	Keynote	High-energy lithium metal batteries	Prof. Martin Winter
	10:00–11:00	Young Scientists	Research presentations	Daniele Callegari; Binayak Roy; Beñat Larrarte; Anna Windmüller
	11:00–11:30	Coffee Break	Coffee break	
	11:30–11:50	Session 4	Solid-State NMC-Si cells	Dr. Sebastien Liatard
	11:50–12:10	Session 4	Linked battery data primer	Dr. Eibar Flores

	12:10–12:30	Session 4	Operando impedance spectroscopy	Dr. Sara Drvarič Talian
	12:30–12:45	Session 4	Digital battery passport	Sohag Salauddin
	12:45–13:00	Young Scientists	Results from discussions	
	13:00–14:00	Lunch & Posters	Lunch break	
	14:00–15:00	Session 5	Projects output follow-up	
	15:00–15:30	Session 5	European educational programme	Dr. Christian Punckt
	15:30–16:00	Session 5	Fraunhofer FFB innovation platform	Prof. Simon Lux
	16:00–16:30	Closing	Summary & poster awards	Conference chairs
	17:00–18:30	Site visits	Lab tours	

In the following the list of presented posters at the Annual Conference 2025 in Muenster of Battery2030.

day	time	Session	Title	speaker
Lun 5 Mag (Day 0)	15:15–16:00	Registration	Registration	
	16:00–17:15	Talk	How to publish in scientific journals	Dr. Rosalba Rincon Ovalles (Editor-in-Chief, Wiley)
	17:15–18:30	Networking	Young scientists networking and discussion	
	18:30–21:30	Social	Welcoming reception	
Mar 6 Mag (Day 1)	08:15–09:00	Registration	Registration + Welcome Coffee + affissione poster	
	09:00–09:10	Session 1 (Moderator: Wouter IJzermans)	Open remarks and Welcome	Prof. Dr. Johannes Peter Wessels (Rector, University of Münster)

	09:10–09:15	Session 1	Open remarks and Welcome	Prof. Dr. Martin Winter (FZ Jülich / University of Münster)
	09:15–09:30	Session 1	Greetings	Wouter Ijzermans (BEPA)
	09:30–10:00	Session 1	BATTERY 2030+	Prof. Dr. Patrik Johansson (Uppsala University)
	10:00–11:00	Keynote	Poly(ionic liquids) as a versatile family of polymers for next generation alkali metal batteries	Prof. Dr. Maria Forsyth (Deakin University)
	11:00–11:30	Break	Coffee break	
	11:30–11:45	Session 2 (Moderator: Ilka von Dalwigk)	BASF Battery Materials: Powering Electromobility with Innovation and Commitment	Dr. Aleksandr Kondrakov (BASF)
	11:45–12:00	Session 2	Verkor's Journey to Industrial Excellence	Dr. Anna Teyssot (Verkor)
	12:00–12:15	Session 2	Development and Industrialization of next generation lithium batteries at Basquevolt	Michal Piszcz (Basquevolt)
	12:15–12:30	Session 2	LFP They think it's all over	Dr. Mark Copley (FAAM)
	12:30–13:00	Session 2	Panel Discussion	
	13:00–14:30	Lunch + Posters	Lunch break and poster session	
	13:45–14:30	Young Scientists	Follow-up discussion of young scientists	
	14:30–15:30	Parallel sessions	Track I: Battery functionality and interface projects	
	14:30–14:40	Parallel (Track I)	Salamander	

	14:40–14:50	Parallel (Track I)	Phoenix	
	14:50–15:00	Parallel (Track I)	HealingBat	
	15:00–15:10	Parallel (Track I)	Opincharge	
	15:10–15:20	Parallel (Track I)	Opera	
	15:20–15:30	Parallel (Track I)	Ultrabat	
	14:30–15:30	Parallel sessions	Track II: Recycling and Raw materials projects	
	14:30–14:40	Parallel (Track II)	Revitalise	
	14:40–14:50	Parallel (Track II)	Renovate	
	14:50–15:00	Parallel (Track II)	Reuse	
	15:00–15:10	Parallel (Track II)	Cicero	
	15:10–15:20	Parallel (Track II)	Li4Life	
	15:20–15:30	Parallel (Track II)	Streams	
	15:30–16:00	Break	Coffee break	
	16:00–17:00	Parallel sessions	Track I: Battery Functionality and Accelerated Materials Discovery	
	16:00–16:10	Parallel (Track I)	Inerrant	
	16:10–16:20	Parallel (Track I)	SafeLoop	
	16:20–16:30	Parallel (Track I)	SAGELi	
	16:30–16:45	Parallel (Track I)	Full Map	
	16:45–17:00	Parallel (Track I)	Summary	

	16:00–17:00	Parallel sessions	Track II: Manufacturability and Accelerated Materials Discovery	
	16:00–16:15	Parallel (Track II)	BatCat	
	16:15–16:30	Parallel (Track II)	Battwin	
	16:30–16:45	Parallel (Track II)	Full Map	
	16:45–17:00	Parallel (Track II)	Summary	
	17:00–17:30	Posters	Poster pitches	
	17:00–17:30	Poster pitch	Enhancing the Performance of Aluminium-Graphite Dual Ion Batteries...	Charan Mukundan
	17:00–17:30	Poster pitch	Estimation of Battery Temperature Through Impedance Measurements...	Danial Sarwar
	17:00–17:30	Poster pitch	Characterization of Biomass-derived Anodes for Potassium-ion batteries	Antonio Benigno
	17:00–17:30	Poster pitch	4D Microscale Modelling of Li-ion degradation by SEI Growth	Elisa Buccafusco
	17:00–17:30	Poster pitch	Automation of High Throughput Materials Synthesis and Cell Testing...	Nadia Farag
	17:00–17:30	Poster pitch	Combined Operando and Post-mortem Characterisation of Li-ion Batteries	Carleane Reis
	17:00–17:30	Poster pitch	Powering the Future Without PFAS	Amanda Rensmo
	17:00–17:30	Poster pitch	Electrolyte Additives for SiO _x -Containing Li-ion Batteries	Steffen Heuvel
	17:30–19:00	Posters	Poster session and snacks	

	19:00–21:30	Dinner	Dinner	
Mer 7 Mag (Day 2)	08:30–08:45	Coffee	Morning Coffee	
	09:00–09:10	Session 3 (Moderator: Wouter Ijzermans)	Greeting: DG RTD European Commission	Dr. Johan Blondelle (DG RTD)
	09:10–10:00	Keynote	Towards realization of high- energy lithium metal batteries – high risk, high gain?	Prof. Dr. Martin Winter
	10:00–11:00	Young scientists	Research presentations	
	10:00–10:15	Young scientist talk	Self-Healing Polymer Separator for Next-Generation Lithium Batteries	Daniele Callegari
	10:15–10:30	Young scientist talk	Fluorination for novel salts for next-gen Li-ion batteries	Binayak Roy
	10:30–10:45	Young scientist talk	Optimizing Aqueous NMC622 Manufacturing (ML + Digital Twin)	Beñat Larrarte
	10:45–11:00	Young scientist talk	Defect Structure Engineering for Next Generation Battery Materials	Anna Windmüller
	11:00–11:30	Break	Coffee break	
	11:30–11:50	Session 4 (Moderator: Prof. Dr. Robert Dominko)	Scaling Sulfide-Based Solid- State NMC-Si Cells	Dr. Sebastien Liatard (CEA)
	11:50–12:10	Session 4	A primer on Linked Battery Data	Dr. Eibar Flores (SINTEF)
	12:10–12:30	Session 4	Operando impedance spectroscopy in battery research	Dr. Sara Drvarič Talian (NIC)
	12:30–12:45	Session 4	Digital Battery Passport for a Sustainable Future	Sohag Salauddin (BASE)

	12:45–13:00	Young scientists	Presentations of results from young scientist discussions	
	13:00–14:00	Lunch + Posters	Lunch and poster	
	14:00–15:00	Session 5 (Moderator: Wouter IJzermans)	A follow up of the output from the projects	
	15:00–15:30	Session 5	Large European educational program	Dr. Christian Punckt (KIT)
	15:30–16:00	Session 5	Fraunhofer FFB as Europe's innovation platform for battery cell production	Prof. Dr. Simon Lux (University of Münster)
	16:00–16:30	Closing	Summary and poster awards	Dr. Rosalba Rincon Ovalles (Wiley); Margherita Moreno (EERA); Prof. Dr. Patrik Johansson (BATTERY 2030+)
	17:00–18:30	Site visits	Lab Tours	