



STREAMS

SUSTAINABLE TECHNOLOGIES
FOR REDUCING EUROPE'S BATTERY
RAW MATERIALS DEPENDANCE

Press Release #03

**STREAMS Project celebrates one year
of innovation and progress in
sustainable battery solutions at
General Assembly in Poznań**

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**Funded by
the European Union**

STREAMS MARKS ONE YEAR OF PROGRESS AT GENERAL ASSEMBLY IN POZNAŃ

[February 17, 2025] – The European project **STREAMS**, committed to developing sustainable and circular solutions for battery value chains, has just completed its first year. To mark this key milestone, the consortium gathered in Poznań, Poland on February 4-5, hosted by partner **Łukasiewicz – Instytut Metali Nieżelaznych**. The two-day event featured strategic discussions, technical insights, and planning for the next steps of this 36-month project.

A year of progress and future plans

Since its launch, STREAMS has made significant strides in advancing innovative and sustainable battery technologies. This General Assembly provided an opportunity to review achievements, refine strategies, and strengthen collaboration among partners. Discussions covered a range of critical topics, including:

- **Project coordination and next milestones** – Ensuring streamlined management and alignment across workstreams.
- **Communication and outreach strategies** – Enhancing visibility and engagement to maximize project impact.
- **Technical advancements in battery material processing** – Addressing raw material optimization, lithium precursor production, and innovations in battery components.
- **Sustainability and circularity** – Exploring responsible resource management, risk assessments, and eco-friendly production approaches.
- **Electrochemical performance testing** – Evaluating battery efficiency and reliability through rigorous validation processes.

Each session featured contributions from key partners, who shared insights and progress updates from their respective domains. These discussions were instrumental in shaping the roadmap for the next phase of the project.

Facility Tour and inter-project exchanges

One of the highlights of the assembly was the guided tour of **Łukasiewicz – IMN's** advanced research facilities. Participants had the opportunity to explore state-of-the-art laboratories and pilot production lines dedicated to battery materials testing. Our experts from **Łukasiewicz – IMN**



provided detailed explanations on cutting-edge techniques used in material characterisation and electrochemical testing.

The tour included demonstrations of:

- **High-precision material characterization equipment**, used to analyse the composition and performance of battery components.
- **Pilot-scale production units**, showcasing innovative techniques for the sustainable synthesis of battery materials.
- **Electrochemical testing stations**, where researchers assess the performance, stability, and lifespan of new battery formulations.

This visit allowed consortium members to better understand the specific testing methodologies that are relevant for the STREAMS project, helping refine the approaches and validation processes to be implemented within the consortium.

Looking Ahead

As STREAMS enters its second year, the consortium remains focused on developing solutions that will drive Europe's transition to a sustainable energy future. The coming months will see further technological advancements, increased stakeholder engagement, and cross-sector collaborations to maximise project impact.



About STREAMS

STREAMS is developing a portfolio of 12 scalable and flexible technologies for sustainable battery-grade materials, using both primary and secondary sources, including recycled battery mass and photovoltaic waste. The project ensures compliance with EU sustainability requirements through techno-economic, environmental, and circularity assessments. STREAMS aims to enhance Europe's resilience and competitiveness by focusing on four key areas:

- **Strengthening the Domestic Supply Chain** – Reducing dependence on imported raw materials.
- **Comprehensive Technological Solutions** – Advancing scalable battery material production.
- **Utilisation of Diverse Material Streams** – Integrating various primary and secondary sources.
- **Circular Models for Sustainability** – Developing and testing pilot-scale solutions.

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