

SUSTAINABLE TECHNOLOGIES FOR REDUCING EUROPE'S BATTERY RAW MATERIALS DEPENDANCE



Welcome to STREAMS – an innovative project set to reshape Europe's battery manufacturing landscape. This groundbreaking initiative, funded by the Horizon Europe Programme, aims to fortify Europe's battery materials supply chain, reducing dependency on imports and strengthening resilience in the global battery manufacturing industry.



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ABOUT US

Aligned with sustainable development goals, STREAMS focuses on clean energy, responsible consumption, and climate action. Through comprehensive technological solutions, the 3-year project will develop flexible and scalable technologies for the sustainable production of battery-grade precursors, anode, and cathode active materials.



Our mission includes promoting the use of diverse material streams, reducing dependence on third countries by incorporating recycled battery mass. STREAMS also emphasises circular models for sustainability, manufacturing battery cells at a pilot scale, and testing according to established standards.

STREAMS IN NUMBERS

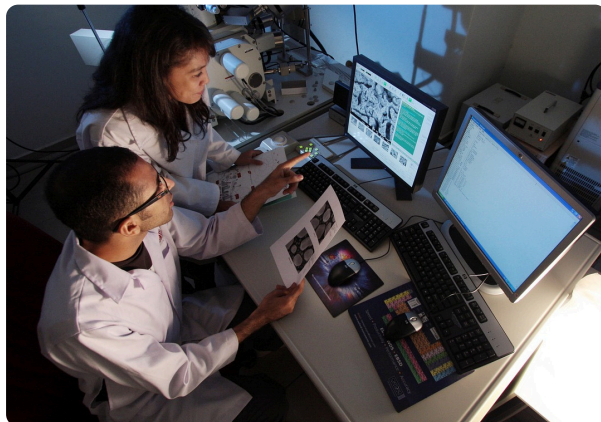
Estimated Cost: > €6M

Duration: 36 months

Partners: 15 Beneficiaries
+ 4 Associated Partners

Countries involved: 13

Organisations: 5 Research Centres,
4 Universities,
and 10 Industries & SMEs



IMPACT

In STREAMS, a comprehensive portfolio of at least 12 scalable and flexible technologies and pilot scale solutions for the sustainable production of battery-grade precursors and their respective anode and cathode active materials will be developed, evaluated and successfully demonstrated.

These technological processes will be applied to materials from primary and secondary sources including recycled battery mass and photovoltaic waste.

STREAMS' technological solutions will meet EU requirements for environmentally responsible design, and scale up, and anticipate regulatory compliance by conducting techno-economic, environmental, social impact and integrated risks assessments combined with life cycle sustainability and circularity assessments.