

PUBLIC

MAKING PUBLIC GRANT A REALITY

FUNDING

EXPERT

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CONTEXT & OPPORTUNITIES

EUROPEAN GREEN DEAL

- ❖ Europe the first continent to achieve carbon neutrality by 2050
- ❖ Reduce greenhouse gas emissions by 55% by 2030
- ❖ A 10-year project which is expected to represent -25% of the EU budget (€500 billion)

1. Increasing climate ambition

2. Clean, affordable and secure energy

3. Industry for a clean and circular economy

4. Energy and resource efficient buildings

5. Sustainable and smart mobility

6. Farm to fork

7. Biodiversity and ecosystems

8. Zero-pollution, toxic-free environments



HORIZON EUROPE

Financing
R&D projects



HORIZON EUROPE

€ 95,5bn

Public funding for R&D projects



PROJECT

An "average" project lasts 3 years and has a total budget of €5m.



CONSORTIUM

An "average" consortium is made up of 7 partners from 4 different countries



ELIGIBILITY

Min 3 partners from 3 different countries must be involved



FUNDING

Only grants
Up to 70% of the costs of an innovation project (TRL 5-9)
Up to 100% of the costs of an R&D project (TRL 1-5)



COUNTRIES

the 27 member states + some associated countries (Switzerland, Israel, Turkey, etc.)



STRUCTURE

any legal entity in the EU (even subsidiaries of non-EU groups): companies, research centres, universities, start-ups, etc.

HORIZON EUROPE

PROJECT EXAMPLE (1/2)

Cluster 5 : Climate, Energy & Mobility

Call : Sustainable, safe and efficient recycling processes (Batteries Partnership)



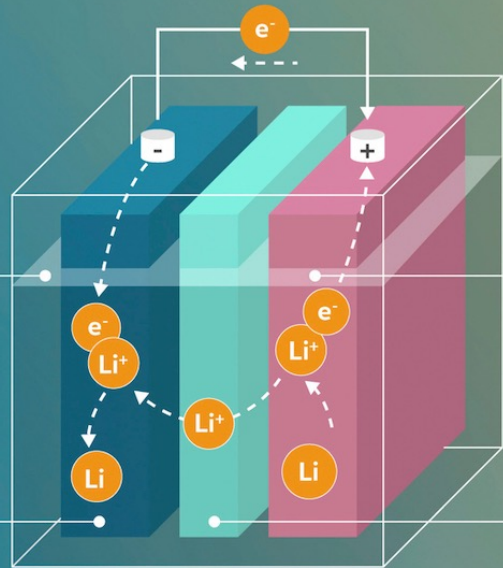
Call	Feasible recovery of critical raw materials through a new circular ecosystem for a li-ion battery cross-value chain in europe		
Project acronym	FREE4LIB		
Coordinator	FUNDACION CARTIF (Spain)		
Participant	21 partners from 8 countries including France		
Total cost	€ 9 283 175,00	EU Contribution	€ 9 283 175,00
Resume	FREE4LIB will develop technologies to achieve six new sustainable and efficient processes to recycle end-of-life LIBs. The project will also deliver three processes aimed at reuse of metals and polymers and electrode synthesis for remanufacturing new LIB battery packs based on the design for recycling.		

HORIZON EUROPE

PROJECT EXAMPLE (2/2)

Cluster 5 : Climate, Energy & Mobility

CALL : Advanced high-performance Generation 3b
(high capacity / high voltage) Li-ion batteries supporting
electro mobility and other applications (Batteries
Partnership)



Call

Composite Silicon/Graphite Anodes with Ni-Rich Cathodes and Safe
Ether based Electrolytes for **High Capacity Li-ion Batteries**

Project acronym

SiGNE

Coordinator

UNIVERSITY OF LIMERICK (Ireland)

Participant

16 partners from 7 countries including France

Total cost

€ 7 979 285,50

EU Contribution

€ 7 979 285,50

Resume

The EU-funded SiGNE project aims to develop advanced lithium-ion battery technology with higher energy density, optimised chemistry and faster charging time compared to state of the art. Researchers will demonstrate the innovative battery at scale to enable its adoption in electric vehicles.

WHAT'S NEXT ?

New calls HORIZON EUROPE
07 December 2023 - 18 April 2024

- Development of technical and business solutions to optimise the **circularity, resilience, and sustainability** of the European battery value chain (Batt4EU Partnership)
- Advanced sustainable and safe pre-processing technologies for End-of-Life (EoL) **battery recycling** (Batt4EU Partnership)
- Advanced **battery system integration** for next generation vehicles (2ZERO Partnership)
- Non-Li **Sustainable Batteries** with European Supply Chains for Stationary Storage (Batt4EU Partnership)
- Furthering the **development of a materials acceleration** platform for sustainable batteries (combining AI, big data, autonomous synthesis robotics, high throughput testing) (Batt4EU Partnership)

WHAT'S NEXT ?

New calls HORIZON EUROPE
07 May 2024 - 05 September 2024

- Sustainable high-throughput production processes for stable lithium metal anodes for next generation batteries (Batt4EU Partnership)
- Size & weight reduction of cell and packaging of batteries system, integrating lightweight and functional materials, innovative thermal management and safe and sustainable by design approach (Batt4EU Partnership)

INNOVATION FUND

Financing innovative industrial
decarbonisation projects



INNOVATION FUND

€ 3bn/year

Massive public funding for industrialisation of decarbonisation technologies (investment & CAPEX projects)

- ✓ Energy intensive industries, including carbon capture and use, and substitute products,
- ✓ Carbon capture and storage
- ✓ Renewable energy, including manufacturing plants for components
- ✓ Energy storage, including manufacturing plants for components.

Large Scale > 7,5M€

Individual or collaborative projects

up to 60% of the CAPEX + OPEX 10 years

€ 127Million Avg. EU contribution per project

67 projects granted since 2021 (3 calls)

Small Scale < 7,5M€

Individual or collaborative projects

up to 60% of the CAPEX of your project

€ 3,8Million Avg. EU contribution per project

47 projects granted since 2021 (2 calls)

Opening of the next call : November 2023

Deadline for submission : March 2024

INNOVATION FUND

PROJECT EXAMPLE (1/1)



Call	Innovation fund Large Scale 2022
Project acronym	ReLieVe: Recycling Li-ion Batteries for Electric Vehicles
Participant	ERAMET SA
Location	France
Category	Energy Storage
Amount of IF grant	€ 67,559,352
Expected GHG emissions avoidance	4,186,037 tonnes CO2 equivalent
Resume	The ReLieVE project aims to create an innovation end-to-end European-based integrated solution for the closed loop recycling of 50 000 tons of end-of-life lithium-ion batteries and production waste from battery manufacturing process per year.

WHAT'S NEXT ?

New calls INNOVATION FUND
November 2023 – March 2024

- New budget € 3 bn for 2024
- Possible introduction of a middle scale call (7,5 – 100 m€) – draft to be confirmed
- Funding innovative projects focusing on:
 - innovative low-carbon technologies and processes in energy-intensive industries,
 - carbon capture and utilisation CCU
 - construction and operation of carbon capture and storage (CCS) facilities
 - innovative renewable energy generation
 - energy storage including batteries value chain

It's the perfect time to start preparing your propositions

Key player

IN PUBLIC FUNDING CONSULTING



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