



Battery R&I funding 2026-27

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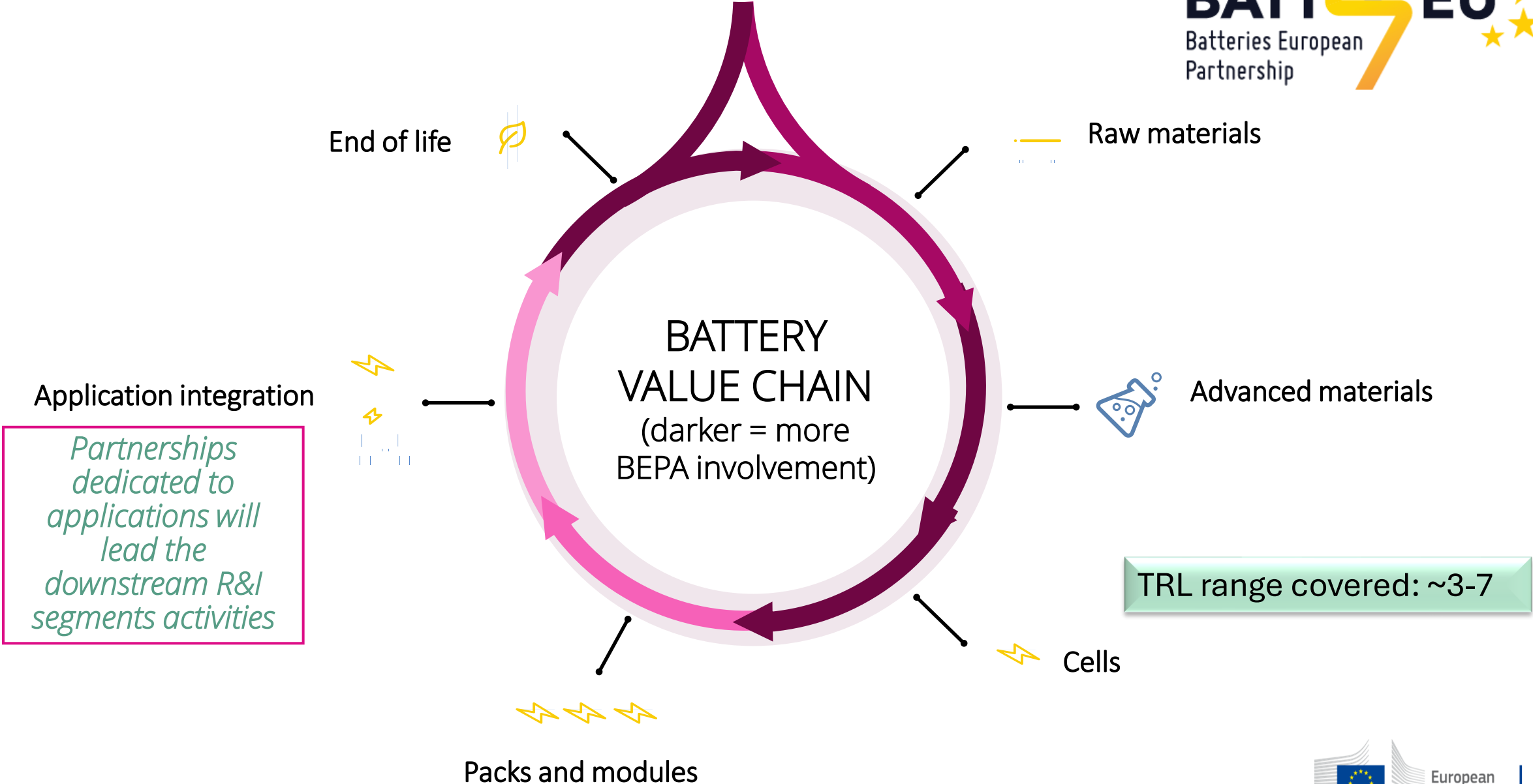
DG RTD.C2 Clean Energy Transitions

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Overview

- Horizon Europe Calls 2026-27
- Inducement Prize
- Clean Industrial Deal
- EIC Accelerator
- Next Framework Programme

Focus of Batt4EU Partnership



BATTERIES – calls 2026

		Per topic	Per project
HORIZON-CL5-2026-09-D2-01: Producing battery-grade materials for electrodes through sustainable processing and refining of raw materials or developing bio-based materials (BATT4EU Partnership) 5 May 2026- 15 Sept 2026	RIA	28.3M€	7.1M€
HORIZON-CL5-2026-03-D2-02: Development of direct recycling processes (BATT4EU Partnership) 18 Dec 2025 – 31 Mar 2026	RIA	14.2M€	4.7M€
HORIZON-CL5-2026-10-D2-03: Integrated Production and Product Development for Next-Generation Lithium-based Batteries for Mobility (BATT4EU and Made in Europe Partnerships) 4 June 2026 – 8 Oct 2026	IA	100M€	33.3M€
HORIZON-CL5-2026-09-D2-04: Coordinated topic with India on recycling of EV batteries 5 May 2026 – 15 Sept 2026	IA	9.4M€	9.4M€

BATTERIES – calls 2027

		Per topic	Per project
HORIZON-CL5-2027-02-D2-05: Improvement of Adaptability, Flexibility and Efficiency of Existing Recycling Processes (BATT4EU Partnership) 3 Dec 2026 – 31 Mar 2027	IA	18.8M€	9.4M€
HORIZON-CL5-2027-02-D2-06: Sustainable and Competitive Cell Production Techniques for Lithium-ion And Sodium-ion Batteries (BATT4EU Partnership) 3 Dec 2026 – 31 Mar 2027	IA	37.82M€	18.9M€
HORIZON-CL5-2027-04-Two-Stage-D2-07: Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials (BATT4EU and IAM4EU Partnerships) 15 Dec 2026 – 14 Apr 2027 – 07 Oct 2027	RIA	48M€	4.8M€
HORIZON-CL5-2027-05-D2-08: Demonstration for Long-duration Battery Energy Storage Systems (BATT4EU Partnership) 5 May 2027 – 15 Sept 2027	IA	18.8M€	9.4M€

Inducement prize

Horizon Prize on lithium production from geothermal plants in Europe

- On-site demonstration of lithium production (lithium carbonate – Li_2CO_3 or lithium hydroxide – LiOH) from geothermal brines using DLE in a geothermal plant in Europe.
- The specific rules of the contest will be published in 2027
 - Opening Q1 2027
 - Deadline Q2 2030
 - Evaluation and demonstrations Q3 2030
 - Award Q4 2030
 - 1st place: €3.000.000
 - 2nd place: €1.000.000
 - 3rd place: €500.000

New Horizon Europe call in support of the

Clean Industrial Deal

Horizontal Work Programme 2026–2027

A photograph showing two construction workers in white hard hats and high-visibility yellow safety vests installing a large solar panel on a roof. The workers are leaning over the panel, which is being held in place. The background shows a clear blue sky and other solar panels already installed on the roof. The image is overlaid with a green banner at the bottom containing the text 'Horizontal Work Programme 2026–2027'. The entire scene is set against a blue background with green horizontal stripes on the right side.

CID Horizontal Call – Overview

- Horizontal call (between **Clusters 4 and 5**) in “**Horizontal Activities**” Horizon Europe Work Programme 2026-2027, with 2 topics (in each year; 2026 & 2027):
 1. ***Clean Technologies for Climate Action***
 - EUR 290 million across 2026 and 2027 (**150 million in 2026**)
 2. ***Decarbonisation of Energy-Intensive Industries***
 - EUR 250 million across 2026 and 2027 (**125 million in 2026**)
- Both topics are **Innovation Actions** targeting **fit-for-deployment solutions**
- A complementary call of EUR 50 million in support of the Clean Industrial Deal is included in the **Research Fund for Coal and Steel**.

Features of the Call

- **Open Character** (applicants free to decide specific tech value chain they wish to strengthen)
- Focus on **Industrial Competitiveness** (e.g. sound business plan and market-readiness strategy, industrial leadership in view of the deployment after the project, ...)
- **Value Chain & Cross-Sectorial Integration**

Expected Impacts

- Accelerate the **roll-out and deployment** of European industry decarbonisation and cleantech solutions across EU industrial sectors
- Promote the **competitiveness** of the cleantech and decarbonised industries in the EU.
- Support the **manufacturing capacity** in Europe and strengthen sustainable and resilient value chains in Europe to reduce strategic dependencies.
- Facilitate the mobilisation and alignment of **public & private investments**
- Reduce the **energy price gap** in Europe via the deployment of competitive solutions

Specific Requirements

- As part of their draft dissemination, exploitation and communication plans, proposals are expected to include a sound **business plan** and **market-readiness strategy**.
 - Should **address how to prepare & support the deployment** of the proposed clean tech solution across relevant EU industrial sectors.
 - They should include a **comprehensive analysis of the critical barriers** for the successful market deployment and the corresponding plan to address them.
- Proposals are expected to include a clear **go/no go moment** ahead of the contracting and demonstration phase. (*More information on this in subsequent CINEA presentation*).
 - Before this go/no-go moment, the project is expected to deliver detailed **engineering plans**, a **techno-economic assessment**, a complete **business plan and market-readiness strategy**.
 - Projects are also expected to provide a **clear and credible pathway** to obtaining all needed **permits** for the deployment phase of the project.
- Proposal are to be composed of a **manageable number of participants**. Consortium size should be justified based on the extent of the value chain covered.

Topic: *HORIZON-CID-[2026][2027]-01-02: R&I in Support of the Clean Industrial Deal: Clean Technologies for Climate Action*

18 Dec 2025- 15 Sept 2026

Expected Outcomes

- Strengthen the **competitiveness, sustainability (including biodiversity) and resilience of an innovative clean tech solution** by clearly demonstrating the capability to, significantly:
 - (1) **increase its circular material use rate**, based on a sound and realistic baseline;
 - (2) **reduce the levelized cost of energy (LCOE) delivered to end-users** - including, where relevant, production, distribution, and storage costs, based on a sound and realistic baseline and considering different geographic scenarios; and
 - (3) **improve Europe's industrial leadership, resilience, and supply chain security**, in line with the objectives of Net-Zero Industry Act (NZIA) for the EU manufacturing capacity of net-zero technologies.
- Bring this innovative **cleantech solution to full technological maturity and close to market-readiness** with a view to accelerating its market deployment and/or integration in key industrial sectors in Europe (e.g. manufacturing, energy and transport).

Scope

Three clean tech areas with promising growth potential in Europe (*based on the Transition Initiatives of the Clean Energy Transition (CET) Partnership*). Proposals are expected to address one or several of these areas*:

- **Integrated net-zero emissions energy systems** (e.g. including energy grids, networks and systems)
- **Enhanced zero-emission power technologies** (e.g. including renewable electricity, heat and energy technologies)
- **Storage technologies, renewable fuels, and carbon capture and utilisation** (e.g. including batteries and other energy storage solutions, renewable hydrogen, advanced biofuels and synthetic renewable fuels) enabling climate neutrality

Proposals should select **one main tech area (with the option to integrate others), and the Commission will ensure a balanced portfolio by funding **at least one high-quality project per area**, provided that the applications attain all thresholds. Projects are also encouraged to coordinate with related initiatives and relevant European Partnerships under Horizon Europe.*

EIC Accelerator on advanced materials for Renewable Energy and Energy Storage Systems

European
Innovation
Council



- Start-ups and SME's
- Development of advanced materials and processes for energy storage
 - E.g. Flow batteries, Metal-air, sodium
- EUR 50 Million
 - Grant component below EUR 2,5M for innovation activities (TRL 6-8)
 - Investment component of EUR 1-10M for scaling up and other activities
- Continuous submission:
 - 7/01/2026; 04/03/2026; **06/05/2026; 08/07/2026; 02/09/2026; 04/11/2026**



Next Framework Programme 2028-2034

The structure of the new Horizon Europe



¹ Consistent with activities under the European Competitiveness Fund

Pillar II – Competitiveness and Society

Pillar II aims to support collaborative research and innovation in areas of high societal impact.

Indicative budget : **EUR 75.9 billion**, of which:

- EUR 68.3 billion for ‘Competitiveness’:
 - EUR 25.3 billion for ‘Clean Transition and Industrial Decarbonisation’
 - EUR 19.7 billion for ‘Health, Biotech, Agriculture and Bioeconomy’
 - EUR 16.9 billion for ‘Digital Leadership’
 - EUR 6.4 billion for ‘Resilience and Security, Defence Industry and Space’
- EUR 7.6 billion for ‘Society’



Pillar II
COMPETITIVENESS AND SOCIETY

COMPETITIVENESS¹ :

1. Clean Transition and Industrial Decarbonisation
2. Health, Biotech, Agriculture and Bioeconomy
3. Digital leadership
4. Resilience and Security, Defence Industry and Space

SOCIETY:

1. Global societal challenges
2. EU Missions
3. New European Bauhaus Facility

Novelties (non-exhaustive)

**Further
Simplification**

**European
Partnerships**

EIC

**Research and
Technology
Infrastructures**

**Dual-use
research**

**Innovation-to-
investment
journey,
ECF**

Contact and information



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