

HORIZON EUROPE

Horizon Europe is the EU's key funding programme for research and innovation with a **budget of €95.5 billion**. It tackles climate change, helps to achieve the UN's Sustainable Development Goals and boosts the EU's competitiveness and growth.

The second pillar of Horizon Europe is structured in 6 clusters, and different calls for proposals are regularly opened for submission. The main opportunities for the **recycling industry and the circular economy** can be found under:

- Cluster 4. Digital, Industry and Space;
- Cluster 5. Climate, Energy and Mobility, and
- Cluster 6. Food, Bioeconomy, Natural Resources, Agriculture and Environment



Horizon Europe Info Days

On 3 February 2022, a **Cluster 5 info day** was held to present 74 open topics, including batteries, of 2022 calls. The objectives of these info days are disseminating information about Cluster 5, providing advice on how to draft a good proposal, and offering networking and matchmaking opportunities.

The presentations and recordings are available in the following [link](#).

BATTERIES

Under Cluster 5 'Climate, Energy & Mobility, new calls for applications will be open through 'Destination 2: A competitive and sustainable European battery value chain' on 28 April 2022. The deadline for submission of proposals is **6 September 2022**.

All battery related topics fall under Partnership Batt4EU, a contractual public-private partnership that aims at covering the full value chain (from raw materials to end-of-life). BATT4EU's vision is to establish by 2030 in Europe the best in the world innovation ecosystem to boost a competitive, sustainable and circular European battery value chain and to drive the transformation towards a carbon-neutral society.

Some of the calls are listed below:

Next generation technologies for High-performance and safe-by-design battery systems for transport and mobile applications.

Projects are expected to develop innovative battery systems technologies that will benefit several transport and mobile applications, by significantly improving performances and safety, as well as environmental sustainability and cost.

In these proposals, manufacturability and recyclability should be explicitly addressed, in order to reduce the manufacturing, refurbishment, dismantling and recycling costs as well as the carbon footprint of the new battery systems. Furthermore, the projects are expected to develop and assess methodologies to ensure the safety throughout the full battery lifetime.

Streamlined collection and reversed logistics, fully automated, safe and cost-efficient sorting, dismantling and second use before recycling.

Project results are expected to contribute to achieve the objectives of the CEAP by enabling second life of batteries and increasing rates for recycling and recovery, in line with upcoming regulatory requirements.

Expected outcomes also include to revolutionize and re-freshen recycling industry, by applying best-in-world innovations based on automatisisation, efficiency and sustainability, as well as develop a community for actors involved in the management of the recycling value chain for batteries (including second life) for sharing best practices (health and safety, transport, dismantling, refurbishing, recycling), among other results. The creation of new circular business models, such as second life, to reduce the need for primary raw materials, and to maximize the use of battery cells reducing the cost per cycle, can be also targeted.

[Link to the call](#) Topic ID: HORIZON-CL5-2022-D2-01-10

For both topics, the expected EU contribution per project is 5 M € and the action type is Research & Innovation Action (RIA). Activities are expected to achieve TRL (Technology Readiness Level) 5-7 by the end of the project.

LIFE PROGRAMME

LIFE is the only EU programme dedicated exclusively to the environment, nature conservation and climate action. Under the circular economy and quality of life sub-programme, LIFE will co-finance projects in the area of **recovery of resources from waste**, water, air, noise, soil, chemical management, **circular economy and the environment** as well as environmental governance.



All **LIFE Calls for proposals 2022** are expected to be published on the [Funding & tender opportunities portal](#) on 17 May 2022.

MORE INFO

Funding & Tenders Portal

The [Funding & Tenders Portal](#) is the single-entry point for participants and experts in funding programmes and tenders managed by the European Commission and other EU bodies. You can access calls and topics in your area of interest through the Portal [Search funding & tenders](#) page. For submitting a proposal, you will need to create a personal EU login account as well as register your organization.



Any questions or doubts?

Do not hesitate to contact us if you have any questions about how to find a suitable call for proposal, how to search partners or offer your expertise to participate in EU-funded projects.

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