



MINISTÈRE  
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# Le programme européen pour la recherche et l'innovation



# Appels Cluster 5 : 2023-2024

Solutions transversales pour la transition climatique

Calendrier indicatif



## Destination 2 : Une chaîne de valeur européenne des batteries compétitive et durable 2023

Ouverture	Clôture	Code Appel	Titre Appel	Type	Budget par projet	Nbr attendu de projets	TRL (en fin de projet)
13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-01	Technologies for sustainable, cost-efficient and low carbon footprint downstream processing & production of battery-grade materials (Batt4EU Partnership)	RIA	7	3	5
13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-02	New processes for upcoming recycling feeds (Batt4EU Partnership)	RIA	5	3	4
13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-03	Advanced digital twins for battery cell production lines (Batt4EU Partnership)	RIA	7	2	4-5
13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-04	Battery management system (BMS) and battery system design for stationary energy storage systems (ESS) to improve interoperability and facilitate the integration of second life batteries (Batt4EU Partnership)	IA	7,5	2	6-7
13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-05	Hybrid electric energy storage solutions for grid support and charging infrastructure (Batt4EU Partnership)	IA	6	2	7
04/05/2023	05/09/2023	HORIZON-CL5-2023-D2-02-01	Advanced materials and cells development enabling large-scale production of Gen4 solid-state batteries for mobility applications (Batt4EU Partnership)	IA	8	3	6
04/05/2023	05/09/2023	HORIZON-CL5-2023-D2-02-02	New Approaches to Develop Enhanced Safety Materials for Gen 3 Li-Ion Batteries for Mobility Applications (Batt4EU Partnership)	RIA	5	2	5
04/05/2023	05/09/2023	HORIZON-CL5-2023-D2-02-03	Creating a digital passport to track battery materials, optimize battery performance and life, validate recycling, and promote a new business model based on data sharing (Batt4EU Partnership)	IA	8	1	7



## Destination 2 : Une chaîne de valeur européenne des batteries compétitive et durable 2024

Ouverture	Clôture	Code Appel	Titre Appel	Type	Budget par projet	Nbr attendu de projets	TRL (en fin de projet)
07/12/2023	18/04/2024	HORIZON-CL5-2024-D2-01-01	Advanced sustainable and safe pre-processing technologies for End-of-Life (EoL) battery recycling (Batt4EU Partnership)	RIA	8	2	5
07/12/2023	18/04/2024	HORIZON-CL5-2024-D2-01-02	Non-Li Sustainable Batteries with European Supply Chains for Stationary Storage (Batt4EU Partnership)	IA	7,5	3	6-7
07/12/2023	18/04/2024	HORIZON-CL5-2024-D2-01-03	Development of technical and business solutions to optimise the circularity, resilience, and sustainability of the European battery value chain (Batt4EU Partnership)	RIA	5	1	5
07/12/2023	18/04/2024	HORIZON-CL5-2024-D2-01-05	Furthering the development of a materials acceleration platform for sustainable batteries (combining AI, big data, autonomous synthesis robotics, high throughput testing) (Batt4EU Partnership)	RIA	20,0	1	3-4
07/05/2024	05/09/2024	HORIZON-CL5-2024-D2-02-01	Sustainable high-throughput production processes for stable lithium metal anodes for next generation batteries (Batt4EU Partnership)	IA	8	8	6-7
07/05/2024	05/09/2024	HORIZON-CL5-2024-D2-02-02	Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership)	RIA	5	5	4
07/05/2024	05/09/2024	HORIZON-CL5-2024-D2-02-03	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)	IA	8	8	6-7



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13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-06	Open Pilot Line/Test Bed for hydrogen	IA	10	1	
13/12/2022	18/04/2023	HORIZON-CL5-2023-D2-01-07	Support for the deployment of R&I results for climate mitigation. Synergies with the ETS Innovation Fund	CSA	1	4	
07/12/2023	18/04/2024	HORIZON-CL5-2024-D2-01-04	Emerging energy technologies for a climate neutral Europe	RIA	1,5-2,5	4-6	4

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