



Destination 2 : Une chaîne de valeur européenne des batteries compétitive et durable 2021

Dest.	Topic	Topic title	Type of action	TRL (by the end of the project)	Budget 2021 (en M€)	Expected UE contribution per project (M€)	Expected number of grants	Call opening date	Deadline
2	HORIZON-CL5-2021-D2-01-01	Sustainable processing, refining and recycling of raw materials (Batteries Partnership)	RIA	4-5	21	6.00 to 7.00	3	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-02	Advanced high-performance Generation 3b (high capacity / high voltage) Li-ion batteries supporting electro mobility and other applications (Batteries Partnership)	RIA	6 and >	24	6.00 to 8.00	3	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-03	Advanced high-performance Generation 4a, 4b (solid-state) Li-ion batteries supporting electro mobility and other applications (Batteries Partnership)	RIA	5	36	8.00 to 9.00	4	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-04	Environmentally sustainable processing techniques applied to large scale electrode and cell component manufacturing for Li ion batteries (Batteries Partnership)	RIA	5-6	20	Around 5.00	4	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-05	Manufacturing technology development for solid-state batteries (SSB, Generations 4a - 4b batteries) (Batteries Partnership)	RIA	5-6	26	6.00 to 7.00	3	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-06	Sustainable, safe and efficient recycling processes (Batteries Partnership)	RIA	5-6	30	9.00 to 10.00	3	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-07	Support for establishment of R&I ecosystem, developing strategic forward-looking orientations to ensure future skills development, knowledge and technological leadership for accelerated disruptive technology exploration and uptake (Batteries Partnership)	CSA	//	3	Around 3.00	1	24/06/2021	19/10/2021



Destination 2 : Une chaîne de valeur européenne des batteries compétitive et durable 2022

Dest.	Topic	Topic title	Type of action	TRL (by the end of the project)	Budget 2022 (en M€)	Expected UE contribution per project (M€)	Expected number of grants	Call opening date	Deadline
2	HORIZON-CL5-2022-D2-01-01	Sustainable processing and refining of battery grade graphite (Batteries Partnership)	IA	6-7	10	Around 5.00	2	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-02	Interface and electron monitoring for the engineering of new and emerging battery technologies (Batteries Partnership)	RIA	3-4	10	Around 5.00	2	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-03	Furthering the development of a materials acceleration platform for sustainable batteries (combining AI, big data, autonomous synthesis robotics, high throughput testing) (Batteries Partnership)	RIA	3-4	20	Around 20.00	1	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-04	Towards creating an integrated manufacturing value chain in Europe: from machinery development to plant and site integrated design (Batteries Partnership)	IA	6 (machinery dvpt) & TRL 7 (manufact. plant...)	15	7.00 to 8.00	2	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-05	Next generation technologies for High-performance and safe-by-design battery systems for transport and mobile applications (Batteries Partnership)	RIA	5	15	Around 5.00	2	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-06	Embedding smart functionalities into battery cells (embedding sensing and self-healing functionalities to monitor and self-repair battery cells) (Batteries Partnership)	RIA	2-4	15	Around 5.00	3	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-07	Digitalisation of battery testing, from cell to system level, including lifetime assessment (Batteries Partnership)	RIA	5-6	15	Around 5.00	3	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-08	Coordination of large-scale initiative on future battery technologies (Batteries Partnership)	CSA	//	3	Around 3.00	1	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-09	Physics and data-based battery management for optimised battery utilisation (Batteries Partnership)	RIA	4	15	Around 5.00	3	28/04/2022	06/09/2022
2	HORIZON-CL5-2022-D2-01-10	Streamlined collection and reversed logistics, fully automated, safe and cost-efficient sorting, dismantling and second use before recycling (Batteries Partnership)	RIA	5-7	15	Around 5.00	3	28/04/2022	06/09/2022



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2	HORIZON-CL5-2021-D2-01-16	Co-funded Partnership : Driving Urban Transitions to a sustainable future (DUT)	COFUND	//	18,5	18,5	Around 37.00	1	24/06/2021	19/10/2021
2	HORIZON-CL5-2022-D2-01-11	CIVITAS 2030 – Coordination and support for EU funded urban mobility innovation	CSA	//		5	4.00 to 5.00	1	28/04/2022	06/09/2022



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2	HORIZON-CL5-2021-D2-01-12	Fostering a just transition in Europe	RIA	//	10	3.00 to 4.00	3	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-13	Strengthening Social Sciences and Humanities (SSH) research communities in climate, energy and mobility disciplines	CSA	//	3	2.00 to 3.00	1	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-14	Accelerating the climate transition in difficult contexts: transition super-labs (pilot)	CSA	//	2	2.00 to 3.00	1	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-15	Fostering cooperation between Horizon Europe cluster 5 National Contact Points (NCPs)	CSA	//	3,5	Around 3.50	1	24/06/2021	19/10/2021

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2	HORIZON-CL5-2021-D2-01-08	Emerging technologies for a climate neutral Europe	RIA	4	20	Around 2.50	8	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-09	Methane cracking to usable hydrogen and carbon	RIA	5	15	2.00 to 3.00	2	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-10	Technologies for non-CO2 greenhouse gases removal	RIA	//		2.00 to 3.00	2	24/06/2021	19/10/2021
2	HORIZON-CL5-2021-D2-01-11	Direct atmospheric carbon capture and conversion	RIA	4-5		2.00 to 3.00	2	24/06/2021	19/10/2021