

Dr. Daniel Kiessling

Scientific Officer
Information & Communication Technologies |
Engineering & Natural Science

Kiessling@bayfor.org

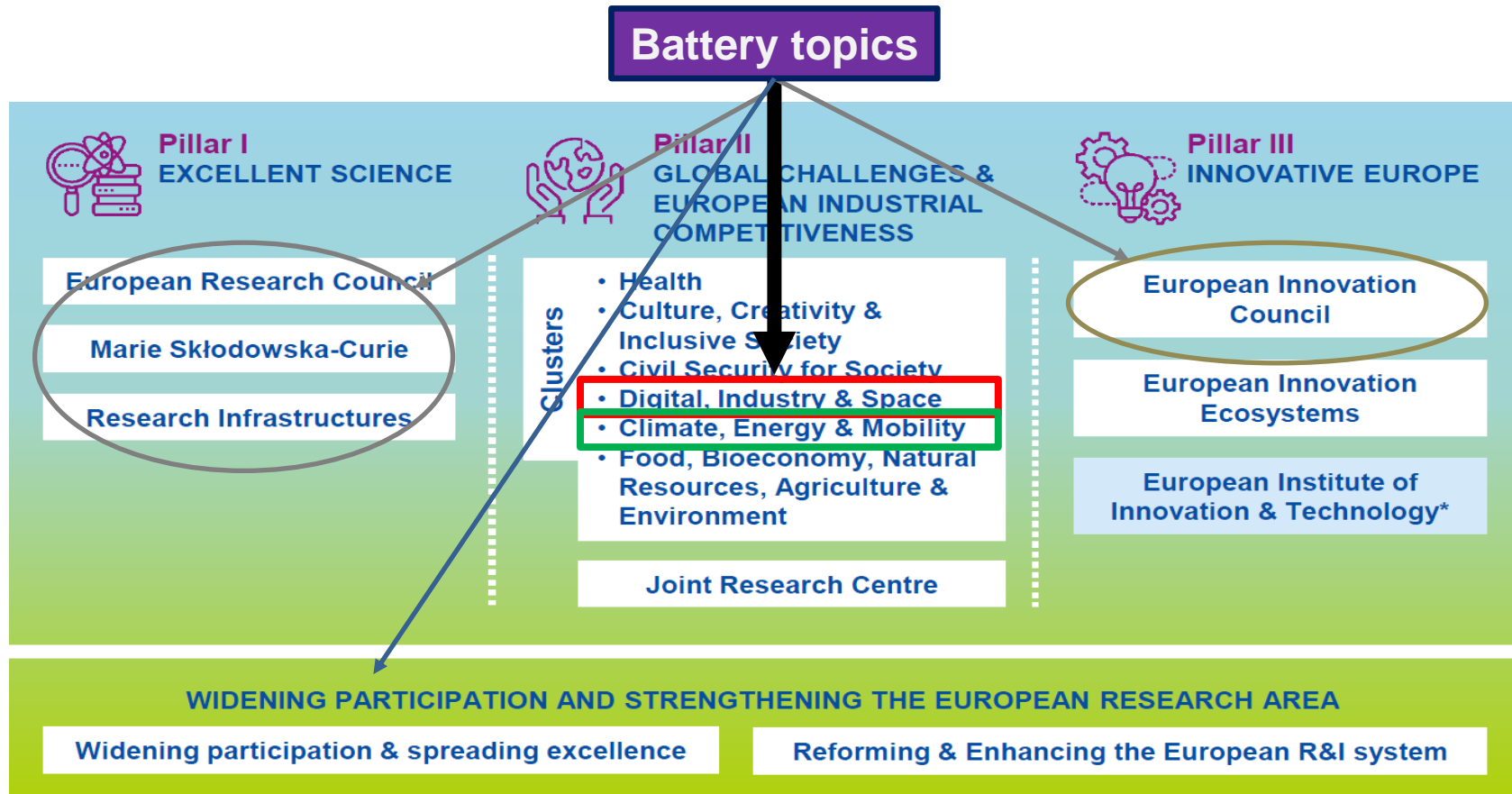
***Future EU Funding
Opportunities in the
BATTERY Sector***

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Battery Topics in Horizon Europe (HEU)



https://ec.europa.eu/info/files/horizon-europe-investing-shape-our-future_en

Horizon Europe – Pillar 2: Global Challenges & European Industrial Competitiveness



- In Horizon Europe, Pillar II (**Cluster 4** & **Cluster 5**) : up to **15 topics on Batteries**,
- Deadlines in September 2025 and January 2026 – Opening May 2025
- Funding rate all Horizon Europe:
 - ✓ for **Research & Innovations Actions (RIA)**: **100 %** (direct costs) + **25 %** (oH)
 - ✓ For **Coordination & Support Actions (CSA)**: **100 %** (direct costs) + **25 %** (oH)
 - ✓ for **Innovation Actions (IA)**:
 - for **profit (SME)**: **70 %** (direct costs) + **25 %** (oH)
 - for **non-profit entities (Uni, RTO)**: **100 %** (direct costs) + **25 %** (oH)
- Collaborative research for RIA, IA:
min. **3 legal entities** independent from each other, each in different countries:
 - At least **1 legal entity of an EU-Member State** +
 - At least **2 other legal entities, established in Member States/Associated Countries**
- From applied science to demonstration activities:
 - from TRL 3 (Experimental proof of concept) → to TRL 8 (System complete and qualified)

Disclaimer

 **Die folgenden Informationen beruhen auf Draft Papieren und können noch Änderungen unterliegen!**

Die Veranstalter übernehmen keine Garantie auf Gültigkeit der Angaben. Gültig ist einzig das finale Arbeitsprogramm veröffentlicht durch die Europäische Kommission.

 **The following information is based on draft papers and may be subject to change!**

The organizers do not guarantee the validity of the information. Only the final work program published by the European Commission is valid

Battery topics Cluster 5 in 2025 – (Deadline 16. September 2025)

Destination 2: Cross-sectoral solutions for the climate transition \ Batteries

Identifier	Topic	Keywords	T.	B.	C.	#
CL5-2025-02-D2-02	Cost-effective next-generation batteries for long-duration stationary storage (Batt4EU Partnership)	Advanced recyclable Materials; Minimal CRM usage; Minimal auxiliary services required; Low TRL only (NO Li-ion, Va- redox flow, Sodium ion, molten Sodium-Sulphur)	RIA	15.00	5.00	3
CL5-2025-02-D2-03	Sustainable processing and refining of raw materials to produce battery grade Li-ion battery materials (Batt4EU Partnership)	Increased EU capacities; Technology demonstrators; Circular/Sustainable At least one: Battery grade metals and precursors; Electrode active materials Scope: Lithium, Cobalt, Graphite, Nickel, Manganese, Phosphorus	IA	20.00	10.00	2

T: Type: B: Budgets / C: EU Contribution per project / #: Expected number of projects

Battery topics Cluster 5 in 2025 – (Deadline 04. September 2025)

Destination 5: Clean and competitive solutions for all transport modes \ Zero-emission road transport

Identifier	Topic	Keywords	T.	B.	C.	#
CL5-2025-01-D5-03	Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs) (2ZERO Partnership)	Vehicle design (integration of battery pack) (fire/crash) BEV condition assessment Re-use of crash batteries Fire handling / rescue procedures Address public safety concerns	IA	5.00	5.00	1
CL5-2025-01-D5-04	Extended lifetime of road Battery Electric Vehicles (BEV) (2ZERO Partnership)	Ageing + Degradation of critical components (EXCLUDING Cell!) User centric design for longer lifetime (retain car value) Economy-design concept evaluation (minimum use of resources) Prospective / Prescriptive maintenance and repair concepts	RIA	7.00	7.00	1
CL5-2025-01-D5-05	Road Battery Electric Vehicles (BEV) optimised user-centric solutions for energy efficiency design and consistent range throughout weather conditions (2ZERO Partnership)	Novel systemic approach on thermal management Targets LDV and LCV. User acceptance limits for diff. user groups (income, gender, age, location, usage pattern etc.) Minimize loss of range even under extreme weather conditions	IA	12.00	6.00	2

T: Type: B: Budgets / C: EU Contribution per project / #: Expected number of projects

Battery topics Cluster 5 in 2025 – (Deadline 04. September 2025)

Destination 5: Clean and competitive solutions for all transport modes \ Zero-emission road transport

Identifier	Topic	Keywords	T.	B.	C.	#
CL5-2025-01-D5-06	Strategies, tools and concepts for optimised road Battery Electric Vehicles (BEV) long-haul logistics use cases (2ZERO Partnership)	Accelerated uptake of HD BEV Optimize battery size and charging strategy Real life operational demonstrators (existing fleet) Novel usage / application models	IA	5.00	5.00	1

Battery topics Cluster 5 in 2025 – (Deadline 04. September 2025)

Destination 5: Clean and competitive solutions for all transport modes \ Waterborne transport

Identifier	Topic	Keywords	T.	B.	C.	#
CL5-2025-01-D5-011	Demonstration of battery energy storage systems in existing and new vessels via novel energy storage and ship design concepts (ZEWT Partnership)	Long-distance autonomy for maritime vessels above 400 GWT Energy storage concepts, efficiency and in-route charging Modal shift of inland cargo transport Operation, degradation and failure modes of batteries under waterborne conditions	IA	15.00	7.50	2

T: Type: B: Budgets / C: EU Contribution per project / #: Expected number of projects

Battery topics Cluster 5 in 2026 – (Deadline 13. January 2026)

Destination 2: Cross-sectoral solutions for the climate transition \ Batteries

Identifier	Topic	Keywords	T.	B.	C.	#
CL5-2026-01-D2-01	Development of sustainable and design-to-cost batteries with (energy-)efficient manufacturing processes and based on advanced and safer materials (Batt4EU Partnership)	Low Cost, Electromobility, Adaption and Flexibility in Design and Production, EITHER “Liquid electrolyte Li-ion + cathode LMFP or HLM” OR “Sodium-ion batteries”	IA	24.00	8.00	3
CL5-2026-01-D2-04	Integrating advanced material, cell design and manufacturing development for high-performance batteries aimed at mobility (Batt4EU Partnership)	Manufacturing transition/adaption from (Gen3) liquid electrolyte Li-ion to HP (solid-state) Li-ion Increase diversity of chemistries and cell design Anodes: Si-C composite OR Li metal	RIA	30.00	10.00	3
CL5-2026-01-D2-05	Accelerated multi-physical and virtual testing for battery aging, reliability, and safety evaluation (Batt4EU Partnership)	Short development of cells and systems Increased reliability and safety Standardisation Focus: EV with potential to expand to other areas	IA	15.00	7.50	2
CL5-2026-01-D2-07	Joint topic with India on recycling of EV batteries	t.b.a.	RIA		N/A	

T: Type: B: Budgets / C: EU Contribution per project / #: Expected number of projects

Battery topics Cluster 4 in 2025 – (Deadline 23. September 2025)

Destination 2: Achieving technological leadership for Europe's open strategic autonomy in raw materials, chemicals and innovative materials \ Raw Materials \ Safe and Sustainable by Design

Identifier	Topic	Keywords	T.	B.	C.	#
CL4-INDUSTRY-2025-01-MATERIALS-61	Technologies for critical raw materials and strategic raw materials from end-of-life products (IA)	Recovery and Selling of secondary raw materials Several Waste Streams (WEEE, batteries, vehicles, wind turbines etc.)	IA	24.00	5.00	4
CL4-INDUSTRY-2025-01-MATERIALS-51	Development of safe and sustainable by design alternatives to PFAS (IA)	Provide new knowledge, update policies, Areas: Electronics/grids; Construction; Textiles; Automotive (incl. Batteries)	IA	30.00	7.00	3

Destination 4: Achieving open strategic autonomy in digital and emerging enabling technologies\ AI in Science

Identifier	Topic	Keywords	T.	B.	C.	#
HORIZON-CL4-INDUSTRY-2025-01-DIGITAL-61	AI Foundation models in science (RIA)	Discovery and prediction of new materials, Foundation model for materials science as basis for subtasks, Provide 4 use cases – one could be high cap. batteries	RIA	12.00	4.00 to 6.00	3

T: Type: B: Budgets / C: EU Contribution per project / #: Expected number of projects

Additional funding sources (two examples)

- Innovation Fund (€1 billion call for electric vehicle battery cell manufacturing)
 - https://cinea.ec.europa.eu/funding-opportunities/calls-proposals/innovation-fund-2024-call-and-battery-calls_en
- EUREKA Eurostars (SME)
 - <https://eurekanetwork.org/opencalls/eurostars-funding-programme-2024-call-7/>
- M-Era.net
 - <https://www.m-era.net/>
- Era.Min
 - <https://www.era-min.eu/>

Contact
kiessling@bayfor.org
for additional information

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Feel free to contact us

as early as possible

so we support you

agile & effectively

Thank you for your attention!

Bavarian Research Alliance GmbH



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Christine Reeb

Headquarters in Munich

Dr. Panteleimon Panagiotou
Unit Information &
Communication Technologies |
Engineering & Natural Sciences

Prinzregentenstraße 52
80538 Munich
Germany
Phone: +49 (0)89 99 01 888-130
Email: panagiotou@bayfor.org
www.bayfor.org



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Offices in Nuremberg

Dr. Daniel Kießling
Unit Information &
Communication Technologies |
Engineering & Natural Sciences

Am Tullnaupark 8
90402 Nuremberg
Germany
Phone: +49 (0)911 507 15-920
Email: kiessling@bayfor.org
www.bayfor.org