

	Klastr 4 - výzva 2023 (uzávěrka 20/04/2023)	Typ akce	Doporučený rozpočet na projekt (mil. €)	Celkový rozpočet na téma (mil. €)	Předpokládaný počet grantů	Počet návrhů	Oversubscritoin
DESTINATION 1- témata	Climate neutral, Circular and Digitised Production			118,6	43	210	5
HORIZON-CL4-2023-TWIN-TRANSITION-01-02	High-precision OR complex product manufacturing – potentially including the use of photonics	IA	5 - 6	48	8	51	6,4
HORIZON-CL4-2023-TWIN-TRANSITION-01-04	Factory-level and value chain approaches for remanufacturing	IA	5 - 7	38	6	31	5,2
HORIZON-CL4-2023-TWIN-TRANSITION-01-07	Achieving resiliency in value networks through modelling and Manufacturing as a Service	RIA	4 - 6	32	6	42	7
HORIZON-CL4-2023-TWIN-TRANSITION-01-08	Foresight and technology transfer for Manufacturing as a Service	CSA	1	1	1	4	4
HORIZON-CL4-2023-TWIN-TRANSITION-01-31	Energy efficiency breakthroughs in the process industries	RIA	8 - 10	32	3	14	4,7
HORIZON-CL4-2023-TWIN-TRANSITION-01-33	Electrification of high temperature heating systems	IA	12 - 15	36	3	6	2
HORIZON-CL4-2023-TWIN-TRANSITION-01-36	Modelling industry transition to climate neutrality, sustainability and circularity	RIA	6 - 7	13	2	6	3
HORIZON-CL4-2023-TWIN-TRANSITION-01-37	Hubs for circularity for near zero emissions regions applying industrial symbiosis and cooperative approach to heavy industrialized clusters and	IA	15 - 20	40	2	6	3
HORIZON-CL4-2023-TWIN-TRANSITION-01-40	Sustainable and efficient industrial water consumption: through energy and solute recovery	RIA	10 - 12	30	3	14	4,7
HORIZON-CL4-2023-TWIN-TRANSITION-01-42	Circular economy in process industries: Upcycling large volumes of secondary resources	RIA	10 - 12	30	3	26	8,7
HORIZON-CL4-2023-TWIN-TRANSITION-01-43	Low carbon-dioxide emission technologies for melting iron-bearing feed materials OR smart carbon usage and improved energy & resource	IA	4 - 6	23	4	2	0,5
HORIZON-CL4-2023-TWIN-TRANSITION-01-45	Circular economy solutions for the valorisation of low-quality scrap streams, materials recirculation with high recycling rate, and residue	RIA	3 - 6	12	2	8	4

DESTINATION 2 - témata	Increased Autonomy in Key Strategic Value Chains for Resilient Industry			213	38	71	1,9
HORIZON-CL4-2023-RESILIENCE-01-02	Innovative technologies for sustainable and decarbonised extraction	RIA	5	25	5	7	1,4
HORIZON-CL4-2023-RESILIENCE-01-03	Technologies for processing and refining of critical raw materials	IA	7	22	3	2	0,7
HORIZON-CL4-2023-RESILIENCE-01-05	Recycling technologies for critical raw materials from EoL products	IA	7	28	4	10	2,5
HORIZON-CL4-2023-RESILIENCE-01-06	Earth Observation platform, products and services for raw materials	IA	6,7	20	3	6	2
HORIZON-CL4-2023-RESILIENCE-01-07	Expert network on Critical raw materials	CSA	3	3	1	1	1
HORIZON-CL4-2023-RESILIENCE-01-09	Recyclability and resource efficiency of Rare Earth based magnets	IA	6,7	20	3	3	1
HORIZON-CL4-2023-RESILIENCE-01-21	Innovative methods for safety and sustainability assessments of chemicals and materials	RIA	6 - 8	29	4	10	2,5
HORIZON-CL4-2023-RESILIENCE-01-22	Integrated approach for impact assessment of safe and sustainable chemicals and materials	RIA	3 - 4	15	4	6	1,5
HORIZON-CL4-2023-RESILIENCE-01-23	Computational models for the development of safe and sustainable by design chemicals and materials	RIA	6 - 7	29	4	13	3,3
HORIZON-CL4-2023-RESILIENCE-01-39	Coordination and knowledge sharing across materials development communities	CSA	2	2	1	3	3
HORIZON-CL4-2023-RESILIENCE-01-42	Boosting generation and diffusion of advanced technologies in SMEs based on a supply chain model	CSA	2 - 3	10	4	8	2
HORIZON-CL4-2023-RESILIENCE-01-44	Affordable Housing District Demonstrator	IA	5	10	2	2	1

2 -stage call	Deadlines: 1st stage 07 Mar 2023 / 2nd stage 05 Oct 2023						
HORIZON-CL4-2023-TWIN-TRANSITION-01-11	Intelligent data acquisition and analysis of materials and products in existing built works	RIA	5 - 6	12	2	17	8,5
HORIZON-CL4-2023-RESILIENCE-01-32	Bioinspired and biomimetic materials for sustainable textiles	IA	6 - 8	31	4	13	3,25
HORIZON-CL4-2023-RESILIENCE-01-33	Smart sensors for the Electronic Appliances market	RIA	6 - 8	31	4	47	11,8
HORIZON-CL4-2023-RESILIENCE-01-34	Advanced (nano and bio-based) materials for sustainable agriculture	RIA	6 - 8	31	4	31	7,75
HORIZON-CL4-2023-RESILIENCE-01-37	Advanced materials for magnets in applications for the New Energies Market	RIA	6 - 8	31	4	6	1,5