

CLUSTER 4: DIGITAL, **INDUSTRY** and SPACE (Planned opening date: 19 September 2023)

Destination 1: Climate neutral, Circular and Digitised Production
Call - TWIN GREEN AND DIGITAL TRANSITION 2024

Destination 2: Increased Autonomy in Key Strategic Value Chains for Resilient
Industry, Call - RESILIENT VALUE CHAINS 2024

	CALL IDENTIFIER	TOPIC
Manufacturing Industry	HORIZON-CL4-2024-TWIN-TRANSITION-01-01	Bio-intelligent manufacturing industries (Made in Europe Partnership) (RIA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-03	Manufacturing as a Service: Technologies for customised, flexible, and decentralised production on demand (Made in Europe Partnership) (RIA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-05	Technologies/solutions to support circularity for manufacturing (Made in Europe Partnership) (RIA)
Energy Intensive Process Industries	HORIZON-CL4-2024-TWIN-TRANSITION-01-32	Optimisation of thermal energy flows in the process industry (Processes4Planet partnership) (IA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-34	Renewable hydrogen used as feedstock in innovative production routes (Processes4Planet Partnership) (RIA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-35	Turning CO2 emissions from the process industry to feedstock (Processes4Planet partnership) (IA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-38	Hubs for circularity for industrialised urban peripheral areas (Processes4Planet partnership) (IA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-41	Breakthroughs to improve process industry resource efficiency (Processes4Planet partnership) (RIA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-44	Digital transformation and ensuring a better use of industrial data, which can optimise steel supply chains (Clean Steel Partnership) (IA)
	HORIZON-CL4-2024-TWIN-TRANSITION-01-46	CO2-neutral steel production with hydrogen, secondary carbon carriers and electricity OR innovative steel applications for low CO2 emissions (Clean Steel Partnership) (RIA)
Disruptive change in construction	HORIZON-CL4-2024-TWIN-TRANSITION-01-12	Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA)

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Raw Materials for EU open strategic autonomy and successful transition to a climate-neutral and circular economy	HORIZON-CL4-2024-RESILIENCE-01-01	Exploration of critical raw materials in deep land deposits (RIA)
	HORIZON-CL4-2024-RESILIENCE-01-04	Technologies for processing and refining of critical raw materials (IA)
	HORIZON-CL4-2024-RESILIENCE-01-08	Rare Earth and magnets innovation hubs (IA)
	HORIZON-CL4-2024-RESILIENCE-01-10	Addressing due diligence requirements in raw materials supply chains (CSA)
	HORIZON-CL4-2024-RESILIENCE-01-11	Technologies for extraction and processing of critical raw materials (IA)
Safe and Sustainable by Design (SSbD) Chemicals and Materials	HORIZON-CL4-2024-RESILIENCE-01-24	Development of safe and sustainable by design alternatives (IA)
Strategic innovation markets driven by advanced materials	HORIZON-CL4-2024-RESILIENCE-01-35	Biodegradable polymers for sustainable packaging materials (IA)
	HORIZON-CL4-2024-RESILIENCE-01-36	Advanced biomaterials for the Health Care (IA)
Improving the resilience of EU businesses, especially SMEs and Startups	HORIZON-CL4-2024-RESILIENCE-01-41	'Innovate to transform' support for SME's sustainability transition (CSA)