



Microfluidics
Innovation
Center

DRAFTS - HE CALL CALENDAR 2026/2027

Topic ID	Cluster 4 - Digital, Industry and Space	Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-21	Development of safe and sustainable alternatives to substances of concern	IA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-23	Accelerating the discovery of chemicals and advanced materials through artificial intelligence and digitalisation	IA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-24	Cooperation on innovative advanced materials with Japan	CSA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-01	Advanced manufacturing for key products (including use of advanced or secondary raw materials)	IA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-04	Optimise the usage of resources in a circular economy	RIA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-05	Circular advanced materials: facilitating the transition from design to markets	RIA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-31	Efficient capture/purification/utilisation of CO2 for the production of competitive products	RIA				8								
HORIZON-CL4-2026-01-CID-X1	R&I in Support of the Clean Industrial Deal: Decarbonisation of energy intensive industries	IA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-Y1	Enhancing industry-academia knowledge exchange in Social Sciences and Humanities (SSH)	CSA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-Y4	Integration of Technology Infrastructure capacities	CSA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-Y5	Pilot access programme to Technology Infrastructures for European startups and scaleups	CSA				8								
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-Y6	Support to the coordination framework for Technology Infrastructure	CSA				8								

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-Y7	Pilot access programme to Technology Infrastructures for European startups, scaleups and innovative SMEs	CSA	8*	
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-11	Innovative technologies and tools for exploration and data modelling of raw materials	RIA	8	
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-12	Technologies for innovative extraction of critical raw materials	RIA	8	
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-13	Monitoring of secondary raw materials	CSA	8	
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-14	Improving availability of secondary raw materials through recycling	IA	8	
HORIZON-CL4-2026-01-MATERIALS-PRODUCTION-15	Technologies for innovative processing and refining of raw materials	RIA	8	
HORIZON-CL4-2026-01-DIGITAL-EMERGING-61	Co-funded AI in Science Fellowships (RAISE pilot)	COFUND	8	
HORIZON-CL4-2026-01-DIGITAL-EMERGING-51	AI improved advanced manufacturing and production processes in factories	RIA	8	
HORIZON-CL4-2026-01-DIGITAL-EMERGING-53	Innovative AI methods and technologies for the process industries	RIA	8	
HORIZON-CL4-2026-SPACE-03-11	Reinforcing EU autonomous access to space through EU-based spaceports	IA		3
HORIZON-CL4-2026-SPACE-03-31	Digital enablers and building-blocks for Earth Observation and Satellite telecommunication for Space solutions	RIA		3
HORIZON-CL4-2026-SPACE-03-32	Preparing demonstration missions for Earth Observation and Satellite telecommunication for Space solutions	IA		3
HORIZON-CL4-2026-SPACE-03-61	Scientific analysis and exploitation of space data	RIA		3
HORIZON-CL4-2026-SPACE-03-81	Space critical EEE components for EU non-dependence	RIA		3
HORIZON-CL4-2026-SPACE-03-82	Space critical equipment for EU non-dependence	RIA		3
HORIZON-CL4-2026-04-DATA-01	Demand-side 3C pilot demonstrators on converged Telco Edge Cloud Infrastructure	IA	15	
HORIZON-CL4-2026-04-DATA-02	Open Internet Stack Sovereign Solutions	RIA	15	

HORIZON-CL4-2026-04-DATA-03	Open Internet Stack Support for Scale	CSA	15
HORIZON-CL4-2026-04-DATA-05	Energy efficiency and sustainability of AI data processing in Data Centres	IA	15
HORIZON-CL4-2026-04-DATA-06	Efficient and compliant access to and use of data (AI, Data and Robotics partnership)	IA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-01	Pilot of the “Science for AI” Pillar of RAISE (“Resource in AI science in Europe”)	RIA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-08	Robotics for Manufacturing: Advancing Core Skills through Technical Challenges (Partnership in AI, Data and Robotics)	RIA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-09	Early warning and preparedness	IA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-10	Emergency response and resources allocation	IA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-11	Quantum Sensors for Inertial Navigation	CSA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-12	Standards for Quantum Technologies – Coordination and Support Action	CSA	15
HORIZON-CL4-2026-DIGITAL-EMERGING-18	Large-Scale Photonic Quantum Computing Platform Technologies	RIA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-14	Networking and Future Photonics Strategy	CSA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-15	Strengthening the cooperation of semiconductor-intensive EU regions	CSA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-16	Horizon scanning and foresight in future enabling digital technologies	CSA	15
HORIZON-CL4-2026-04-DIGITAL-EMERGING-17	Fostering 2-Dimensional Materials (2DM) based emerging and enabling technologies	CSA	15
HORIZON-CL4-2027-01-DIGITAL-EMERGING-52	New approaches for Human/AI collaboration for the workforce of the future	RIA	8*
HORIZON-CL4-2026-04-HUMAN-01	Developing and demonstrating core technologies for Virtual Worlds and Web4.0 (Virtual worlds Partnership)	IA	15

HORIZON-CL4-2026-04-HUMAN-02	Web 4.0 architectural framework and Open Internet Stack applications for virtual worlds	RIA		15	
HORIZON-CL4-2026-05-MATERIALS-PRODUCTION-01	New or enhanced Innovative Advanced Materials (IAM) enabled sensing functionality	RIA		15	
HORIZON-CL4-2026-05-DIGITAL-EMERGING-02	Next-Generation AI Agents for Real-World Applications in the ApplyAI sectors	RIA		15	
HORIZON-CL4-2026-05-DIGITAL-EMERGING-03	Next-Generation Agile and Intelligent Robotics Platforms for Industrial and Service Applications	RIA		15	
HORIZON-CL4-2026-05-DIGITAL-EMERGING-04	Advanced integrated photonic devices for extended features and ultra-low power consumption	RIA		15	
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-22	New advanced materials and chemicals – reducing dependencies on CRM and subs	IA	2		
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-02	Advanced manufacturing for key products (including use of advanced or secondary raw materials)	IA	2		
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-08	Advanced processing and manufacturing technologies, business models and system approaches for competitive textile circularity	IA	2		
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-03	Factory processes and automation for de- and re-manufacturing	RIA	2		
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-06	Circular advanced materials: facilitating the transition from design to markets	RIA	2		
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-32	Efficient generation and upgrading of heat from renewable sources and heat management in the process industries	RIA	2		
HORIZON-CL4-2027-01-CID-X2	R&I in Support of the Clean Industrial Deal: Decarbonisation of energy intensive industries	IA	2		
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-Y2	Unlocking the potential of intellectual assets for industry, SMEs and startups	CSA	2		
HORIZON-CL4-2026-04-MATERIALS-PRODUCTION-40	New or enhanced IAM-enabled sensing functionality			15	

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-41	Breakthrough innovations in industrial technologies (Fast Track to Innovation)	FTI	2	
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-42	Breakthrough innovations for the Chemical Industry Action Plan (Fast Track to Innovation)	FTI	2	
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-16	Technologies for innovative processing of raw materials	IA	2	
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-17	Expert network on Critical raw materials	CSA	2	
HORIZON-CL4-2027-01-DIGITAL-EMERGING-62	Scientific Laboratory Automation (RAISE pilot)	RIA	2	
HORIZON-CL4-2027-01-DIGITAL-EMERGING-63	Thematic Networks of Excellence for AI in Science (RAISE pilot)	RIA	2	
HORIZON-CL4-2027-04-DATA-03	New approaches for decentralized, federated and sustainable AI data processing	RIA		18
HORIZON-CL4-2027-04-DIGITAL-EMERGING-04	Challenge-Driven AI Innovation Booster in Apply AI prioritised sectors	RIA		18
HORIZON-CL4-2027-04-DIGITAL-EMERGING-05	AI-Driven Robotics for Industry: Enabling System Integration and Adoption (Partnership in AI, Data and Robotics)	IA		18
HORIZON-CL4-2027-04-DIGITAL-EMERGING-06	International cooperation in AI	RIA		18
HORIZON-CL4-2027-04-HUMAN-01	Advanced and Innovative hardware components for Virtual Worlds (Virtual Worlds Partnership)	RIA		18
HORIZON-CL4-2027-04-HUMAN-02	Create a thriving and competitive Virtual Worlds and Web4.0 ecosystem (Virtual Worlds Partnership)	CSA		18
HORIZON-CL4-2027-04-HUMAN-07	Facilitate the engagement of European stakeholders in international digital standardisation	CSA		18
HORIZON-CL4-2027-05-DIGITAL-EMERGING-01	Fostering AI Adoption: Powerful AI solutions that are safe and computationally efficient	RIA		18
HORIZON-CL4-2027-05-DIGITAL-EMERGING-02	AI-Driven Manufacturing Line Design and Optimization	RIA		18
HORIZON-CL4-2027-SPACE-03-12	Digital solutions for autonomy for space transportation	IA		9
HORIZON-CL4-2027-SPACE-03-33	Digital enablers and enabling models for collaborative Earth	RIA		9
HORIZON-CL4-2027-SPACE-03-34	Preparing ground station missions for sustainable Earth	IA		9
HORIZON-CL4-2027-SPACE-03-83	Space critical EEE components for EU non-dependence	RIA		9
HORIZON-CL4-2027-SPACE-03-84	Space critical equipment for EU non-dependence	RIA		9

Dates in 2026

Dates in 2027