

OPEN CALLS 2023 - 2024

CLUSTER 4

Digital, Industry and Space

DIGITAL, INDUSTRY

Horizon
Europe



HORIZON EUROPE

HORIZON EUROPE is a 95.5-billion-euro funding programme for R&I, that covers all major scientific and technological disciplines, and encourages collaborative projects (consortia) for a joint goal.

CONSORTIUM:

- at least 3 partners from 3 different countries participating in the programme
- at least 1 partner must be from a member state (EU country)
- a partner can be any legal entity – university, company, agency, end-user, government entity etc.

FUNDING TOOLS:

ACTION	FUNDING*	
RIA – RESEARCH & INNOVATION ACTION	100% + 25%	BASIC AND APPLIED RESEARCH , TECHNOLOGY DEVELOPMENT AND INTEGRATION, TESTING AND VALIDATION - SMALL-SCALE PROTOTYPE IN LABORATORY OR SIMULATED ENVIRONMENT. USUALLY LOW TRL (1-4)
IA – INNOVATION ACTION	70% + 25%	PROTOTYPING , TESTING, DEMONSTRATING, PILOTING, LARGE-SCALE PRODUCT VALIDATION AND MARKET REPLICATION . USUALLY HIGH TRL (5-8)
CSA - COORDINATION & SUPPORT ACTION	100% + 25%	NETWORKING , COORDINATION OR SUPPORT SERVICES , POLICY DIALOGUES AND MUTUAL LEARNING EXERCISES AND STUDIES

* Non-profit: always 100% + 25% overhead

- **TRL**
 - Technology Readiness Level - a scale to measure the maturity level of a technology
- **Lump-sum**
 - Funding procedure aimed to simplify budget allocation by removing the need to report actual costs

CALL/TOPIC	OPEN	DEADLINE
<u>HORIZON-EUROHPC-JU-2023-INTER-02-01</u> <u>INNOVATION ACTION IN LOW LATENCY AND HIGH BANDWIDTH INTERCONNECTS</u>	01 AUG 2023	31 JAN 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-41</u> <u>'INNOVATE TO TRANSFORM' SUPPORT FOR SME'S SUSTAINABILITY TRANSITION (CSA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-EUROHPC-JU-2023-COE-03-01</u> <u>CALL ON CENTRES OF EXCELLENCE FOR EXASCALE HPC APPLICATIONS</u>	20 SEP 2023	09 JAN 2024
<u>HORIZON-CL4-2024-HUMAN-01-34</u> <u>SUPPORT FOR TRANSNATIONAL ACTIVITIES OF NATIONAL CONTACT POINTS IN THE THEMATIC AREAS OF DIGITAL, INDUSTRY AND SPACE (CSA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-HUMAN-02-34</u> <u>SUPPORT FOR TRANSNATIONAL ACTIVITIES OF NATIONAL CONTACT POINTS IN THE THEMATIC AREAS OF DIGITAL, INDUSTRY AND SPACE</u>	03 AVR 2024	10 SEP 2024
ADVANCED COMPUTING AND BIG DATA (HORIZON)		
<u>HORIZON-CL4-2024-DATA-01-03</u> <u>PILOTING EMERGING SMART IOT PLATFORMS AND DECENTRALIZED INTELLIGENCE (IA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DATA-01-05</u> <u>PLATFORM BUILDING, STANDARDISATION AND UP-SCALING OF THE 'CLOUD-EDGE-IOT' SOLUTIONS (HORIZONTAL ACTIVITIES - CSA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-42</u> <u>STIMULATING TRANSNATIONAL RESEARCH AND DEVELOPMENT OF NEXT GENERATION QUANTUM TECHNOLOGIES, INCLUDING BASIC THEORIES AND COMPONENTS (CASCADING GRANT WITH FSTP).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-45</u> <u>QUANTUM SENSING AND METROLOGY FOR MARKET UPTAKE (IA).</u>	15 NOV 2023	19 MAR 2024
ADVANCED MATERIALS (HORIZON)		
<u>HORIZON-CL4-2024-RESILIENCE-01-01</u> <u>EXPLORATION OF CRITICAL RAW MATERIALS IN DEEP LAND DEPOSITS (RIA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-04</u> <u>TECHNOLOGIES FOR PROCESSING AND REFINING OF CRITICAL RAW MATERIALS (IA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-08</u> <u>RARE EARTH AND MAGNETS INNOVATION HUBS (IA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-10</u> <u>ADDRESSING DUE DILIGENCE REQUIREMENTS IN RAW MATERIALS SUPPLY CHAINS (CSA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-11</u> <u>TECHNOLOGIES FOR EXTRACTION AND PROCESSING OF CRITICAL RAW MATERIALS (IA).</u>	19 SEP 2023	07 FEB 2024

CALL/TOPIC	OPEN	DEADLINE
<u>HORIZON-CL4-2024-RESILIENCE-01-24</u> <u>DEVELOPMENT OF SAFE AND SUSTAINABLE BY DESIGN ALTERNATIVES (IA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-35</u> <u>BIODEGRADABLE POLYMERS FOR SUSTAINABLE PACKAGING MATERIALS (IA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-36</u> <u>ADVANCED BIOMATERIALS FOR THE HEALTH CARE (IA).</u>	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-31</u> <u>PILOT LINE(S) FOR 2D MATERIALS-BASED DEVICES (RIA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-34</u> <u>SYNERGY WITH NATIONAL AND REGIONAL INITIATIVES IN EUROPE (CSA).</u>	15 NOV 2023	19 MAR 2024
ARTIFICIAL INTELLIGENCE AND ROBOTICS (HORIZON)		
<u>HORIZON-CL4-2024-DATA-01-01</u> <u>AI-DRIVEN DATA OPERATIONS AND COMPLIANCE TECHNOLOGIES (AI, DATA AND ROBOTICS PARTNERSHIP) (IA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-03</u> <u>NOVEL PARADIGMS AND APPROACHES, TOWARDS AI-POWERED ROBOTS- STEP CHANGE IN FUNCTIONALITY (AI, DATA AND ROBOTICS PARTNERSHIP) (RIA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-04</u> <u>INDUSTRIAL LEADERSHIP IN AI, DATA AND ROBOTICS BOOSTING COMPETITIVENESS AND THE GREEN TRANSITION (AI DATA AND ROBOTICS PARTNERSHIP) (IA).</u> [[HTTPS://WWW.EUROPARL.EUROPA.EU/REGDATA/ETUDES/STUD/2021/662906/IPOL_STU(2021)662906_EN.PDF]]	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-HUMAN-01-06</u> <u>EXPLAINABLE AND ROBUST AI (AI DATA AND ROBOTICS PARTNERSHIP) (RIA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-HUMAN-01-07</u> <u>COLLABORATIVE INTELLIGENCE – COMBINING THE BEST OF MACHINE AND HUMAN (AI DATA AND ROBOTICS PARTNERSHIP) (RIA).</u>	15 NOV 2023	19 MAR 2024
CIRCULAR INDUSTRIES (HORIZON)		
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-38</u> <u>HUBS FOR CIRCULARITY FOR INDUSTRIALISED URBAN PERIPHERAL AREAS (PROCESSES4PLANET PARTNERSHIP) (IA).</u>	19 SEP 2023	07 FEB 2024
KEY DIGITAL TECHNOLOGIES (HORIZON)		
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-21</u> <u>OPEN SOURCE FOR CLOUD/EDGE TO SUPPORT EUROPEAN DIGITAL AUTONOMY (RIA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-22</u> <u>FUNDAMENTALS OF SOFTWARE ENGINEERING (RIA).</u>	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-23</u> <u>PUBLIC RECOGNITION SCHEME FOR OPEN SOURCE (CSA).</u>	15 NOV 2023	19 MAR 2024

CALL/TOPIC	OPEN	DEADLINE
HORIZON-CL4-2024-DIGITAL-EMERGING-01-54 SMART PHOTONICS FOR JOINT COMMUNICATION & SENSING AND ACCESS EVERYWHERE (PHOTONICS PARTNERSHIP).(RIA)	15 NOV 2023	19 MAR 2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-55 PHOTONICS INNOVATION FACTORY FOR EUROPE (PHOTONICS PARTNERSHIP).(IA)	15 NOV 2023	19 MAR 2024
HORIZON-CL4-2024-HUMAN-01-61 FACILITATE THE ENGAGEMENT IN GLOBAL ICT STANDARDISATION DEVELOPMENT (CSA)	15 NOV 2023	19 MAR 2024
LOW-CARBON AND CLEAN INDUSTRIES (HORIZON)		
HORIZON-CL4-2024-TWIN-TRANSITION-01-32 OPTIMISATION OF THERMAL ENERGY FLOWS IN THE PROCESS INDUSTRY (PROCESSES4PLANET PARTNERSHIP).(IA)	19 SEP 2023	07 FEB 2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-34 RENEWABLE HYDROGEN USED AS FEEDSTOCK IN INNOVATIVE PRODUCTION ROUTES (PROCESSES4PLANET PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-35 TURNING CO2 EMISSIONS FROM THE PROCESS INDUSTRY TO FEEDSTOCK (PROCESSES4PLANET PARTNERSHIP).(IA)	19 SEP 2023	07 FEB 2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-41 BREAKTHROUGHS TO IMPROVE PROCESS INDUSTRY RESOURCE EFFICIENCY (PROCESSES4PLANET PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
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)	19 SEP 2023	07 FEB 2024
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)	19 SEP 2023	07 FEB 2024
MANUFACTURING TECHNOLOGIES (HORIZON)		
HORIZON-CL4-2024-TWIN-TRANSITION-01-01 BIO-INTELLIGENT MANUFACTURING INDUSTRIES (MADE IN EUROPE PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
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)	19 SEP 2023	07 FEB 2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-05 TECHNOLOGIES/SOLUTIONS TO SUPPORT CIRCULARITY FOR MANUFACTURING (MADE IN EUROPE PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-12 ENHANCED ASSESSMENT, INTERVENTION AND REPAIR OF CIVIL ENGINEERING INFRASTRUCTURE (RIA)	19 SEP 2023	07 FEB 2024

CALL/TOPIC	OPEN	DEADLINE
TWO-STAGE CALLS		
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-01</u> BIO-INTELLIGENT MANUFACTURING INDUSTRIES (MADE IN EUROPE PARTNERSHIP).(RIA).	19 SEP 2023	07 FEB 2024 24 SEP 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-12</u> ENHANCED ASSESSMENT, INTERVENTION AND REPAIR OF CIVIL ENGINEERING INFRASTRUCTURE.(RIA).	19 SEP 2023	07 FEB 2024 24 SEP 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-35</u> BIODEGRADABLE POLYMERS FOR SUSTAINABLE PACKAGING MATERIALS (IA).	19 SEP 2023	07 FEB 2024 24 SEP 2024
<u>HORIZON-CL4-2024-RESILIENCE-01-36</u> ADVANCED BIOMATERIALS FOR THE HEALTH CARE (IA).	19 SEP 2023	07 FEB 2024 24 SEP 2024

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