

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
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
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-54</u> SMART PHOTONICS FOR JOINT COMMUNICATION & SENSING AND ACCESS EVERYWHERE (PHOTONICS PARTNERSHIP).(RIA)	15 NOV 2023	19 MAR 2024
<u>HORIZON-CL4-2024-DIGITAL-EMERGING-01-55</u> PHOTONICS INNOVATION FACTORY FOR EUROPE (PHOTONICS PARTNERSHIP).(IA)	15 NOV 2023	19 MAR 2024
LOW-CARBON AND CLEAN INDUSTRIES (HORIZON)		
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-32</u> OPTIMISATION OF THERMAL ENERGY FLOWS IN THE PROCESS INDUSTRY (PROCESSES4PLANET PARTNERSHIP).(IA)	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-34</u> RENEWABLE HYDROGEN USED AS FEEDSTOCK IN INNOVATIVE PRODUCTION ROUTES (PROCESSES4PLANET PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-35</u> TURNING CO2 EMISSIONS FROM THE PROCESS INDUSTRY TO FEEDSTOCK (PROCESSES4PLANET PARTNERSHIP).(IA)	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-41</u> BREAKTHROUGHS TO IMPROVE PROCESS INDUSTRY RESOURCE EFFICIENCY (PROCESSES4PLANET PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-44</u> 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
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-46</u> 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)		
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-01</u> BIO-INTELLIGENT MANUFACTURING INDUSTRIES (MADE IN EUROPE PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-03</u> MANUFACTURING AS A SERVICE: TECHNOLOGIES FOR CUSTOMISED, FLEXIBLE, AND DECENTRALISED PRODUCTION ON DEMAND (MADE IN EUROPE PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 2024
<u>HORIZON-CL4-2024-TWIN-TRANSITION-01-05</u> TECHNOLOGIES/SOLUTIONS TO SUPPORT CIRCULARITY FOR MANUFACTURING (MADE IN EUROPE PARTNERSHIP).(RIA)	19 SEP 2023	07 FEB 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

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



Last updated:
December, 2023

CONTACT DETAILS

NCP DIGITAL

Dorina HAREA
dorinaharea.hd@gmail.com

NCP INDUSTRY

Marianna ROMAN
mariannaromann@yahoo.com