

Horizon Europe Missions Work Programme 2026 - 2027

We have categorized the calls from the missions' work programme 2026-2027 according to the impact that microfluidics can have on the projects and related topics. We are sharing our analysis in case it can help you with project funding efforts. And, of course, if our expertise can be of use to you, we would be delighted to discuss it further.



How to read the stars in terms of the % of microfluidic technologies' relevance for the call:

By microfluidic relevance, we mean the relevance of microfluidic technologies to the topic in question.

Additionally, we outline key points on how a microfluidic partner could contribute to the topic.

Relevance (%)	90-100	80-89	70-79	60-69	50-59	40-49	30-39	20-29	10-19	0-9
Relevance (*)	*****	****	***	**	*	—	--	---	----	-----

Administrative dates per call:

HORIZON-MISS-2026-01-CLIMA, 2026-03-OCEAN, 2026-05-SOIL, 2026-06-CLIMA-SOIL: Opening 04 Feb 2026, deadline 23 Sep 2026

HORIZON-MISS-2026-02-CANCER: Opening 10 Dec 2025, deadline 15 Sep 2026

HORIZON-MISS-2026-04-CIT, 2026-04-CIT-NEB-B4P CCRI-03: Opening 04 Feb 2026, deadline 08 Oct 2026

HORIZON-MISS-2026-05-SOIL-two stage: Opening 09 Dec 2025, deadline 14 Apr 2026 (stage 1), 15 Sep 2026 (stage 2)

HORIZON-MISS-2027-01/07-CLIMA, 2027-03-OCEAN, 2027-05-SOIL: Opening 09 Feb 2027, deadline 16/21 Sep 2027

HORIZON-MISS-2027-04-CIT: Opening 09 Feb 2027, deadline 07 Oct 2027

HORIZON-MISS-2027-05-SOIL-two stage: Opening 10 Nov 2026, deadline 16 Feb 2027 (stage 1), 14 Sep 2027 (stage 2)

HORIZON-MISS-2027-06-SOIL-CANCER, 2027-02-CANCER: Opening 09/10 Dec 2025, deadline 21 Sep 2027

Quick selection guide (where Microfluidics should be prioritized)

1. **CANCER early detection & modelling:** *CANCER-02 (2026), CANCER-01 (2026), CANCER-03 (2027)* - leverage Microfluidics' **droplet microfluidics, organ-on-chip**, and regulated diagnostic workflows.
2. **WATER & WASTEWATER:** *CLIMA-CIT-CCRI-02 (2027), OCEAN-02 (2026), OCEAN-05 (2026)* - strong fit for **in-situ μ -sensing, micro-reactors, eDNA-on-chip** feeding Digital Twins.
3. **SOIL & HEALTH:** *SOIL-02 (2026), SOIL-CANCER (2027), SOIL-02 (2027)* - **soil-on-chip, AMR assays, μ -bioreactors**.

★★★★★ HORIZON-MISS-2026-02-CANCER-02 - MICROBIOME FOR EARLY CANCER PREDICTION BEFORE THE ONSET OF DISEASE

- **Type of action:** RIA. Call: *Supporting the implementation of the Cancer Mission (2026)*.
 - **Budget** (topic, M€): 15.00. **#projects:** 1
 - **Scientific focus**
 - Advance hypothesis-driven and data-driven use of human microbiome signals to **predict cancer risk pre-symptomatically**.
 - Integrate longitudinal sampling, robust biomarkers, and clinically actionable stratification.
 - Support evidence pipelines that can translate to screening and prevention programs.
 - **Why microfluidics matters**
 - **Droplet microfluidics** for ultra-high-throughput multi-omic library preparation (low-input stool/saliva/blood) to detect weak signals early.
 - **Lab-on-chip sample-to-answer** workflows (nucleic-acid extraction, amplification, CRISPR/antibody detection) to cut cost/time per test.
 - **On-chip single-cell microbiome & host-cell co-analysis** to find functional signatures preceding tumorigenesis.
 - Fieldable **μ-samplers** and stabilization cartridges enabling **home/primary-care sampling** and federated clinical validation.
 - **QC/calibration protocols** for preanalytical control, supporting reproducibility across centers.
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★★★★★ HORIZON-MISS-2026-02-CANCER-01 - VIRTUAL HUMAN TWIN (VHT) MODELS FOR CANCER RESEARCH

- **Type of action:** RIA. Call: *Cancer Mission (2026)*.
- **Budget:** 35.00 M€. **Expected/project:** 8.00-9.00 M€. **#projects:** 4.
- **Scientific focus**
 - Build computable **Virtual Human Twin** assets linking multi-scale biology to clinical endpoints in oncology.
 - Federate data/models for prediction, decision support, and *in-silico* trials.
- **Why microfluidics matters**
 - **Organ-on-chip (MPS) platforms** provide *physiologically anchored* parameters to inform/validate VHT models (PK/PD, immune-tumor crosstalk, micro-metastasis).
 - **Tumor-on-chip** with **immune-on-chip** co-cultures to generate *mechanistic* data under controlled flow and gradients.

- **Microfabrication** of polymer chips tailored to partner lab protocols; GLP-ready workflows and training.
- Bridges **in-vitro** ↔ **in-silico**, reducing animal reliance and enabling patient-avatar calibration.

★★★★★ HORIZON-MISS-2027-07-CLIMA-CIT-CCRI-02 - DEPLOYING INNOVATIVE WASTEWATER MANAGEMENT, TREATMENT AND VALORISATION SOLUTIONS IN EUROPEAN CITIES AND REGIONS IN THE CONTEXT OF CLIMATE CHANGE

- **Type of action:** IA. Call: *Joint call Cities × Adaptation (2027)*.
- **Budget:** 28.50 M€. **Expected:** Around 9.50 M€. **#projects:** 3.
- **Scientific focus**
 - City/regional **demonstrators** for next-gen wastewater solutions resilient to climate-stress (peaks, droughts, heat).
 - Integration with circular-economy and pollutant control goals; multi-stakeholder deployment.
- **Why microfluidics matters**
 - **On-line microfluidic sensors** for **PFAS, nutrients, pharmaceuticals, AMR markers** (low-power, low-reagent).
 - **Chip micro-reactors** (advanced oxidation, catalytic/reagent-free) to intensify treatment with small footprints.
 - **μ-bioreactors** for microbial resource recovery (biopolymers, VFAs) under controlled shear/oxygen transfer.
 - **Distributed μ-samplers** + harmonised QC enable high-resolution spatiotemporal control and Digital-Twin feeds.

★★★★★ HORIZON-MISS-2026-05-SOIL-02 - ANTIMICROBIAL RESISTANCE AND ANTIBIOTIC BIOSYNTHESIS IN SOILS: DEVELOPING KEY UNDERSTANDING AND COUNTERACTIVE STRATEGIES USING A ONE-HEALTH APPROACH

- **Type of action:** RIA. Call: *Soil Mission (2026)*.
- **Budget:** 13.00 M€. **Expected:** Around 6.50 M€. **#projects:** 2.
- **Scientific focus**
 - Elucidate soil AMR dynamics and antibiotic biosynthesis pathways in a **One-Health** frame; develop countermeasures.
- **Why microfluidics matters**
 - **Soil-on-chip** microcosms to track **horizontal gene transfer** and biofilm evolution under realistic gradients.

- **Droplet microfluidics** for ultrahigh-throughput antimicrobial screening & resistance fitness mapping.
- **On-chip nucleic-acid prep** for eDNA/eRNA to quantify resistomes with minimal inhibitors.
- Portable **μ-assay kits** for field phenotyping; training modules for labs in associated regions.

★★★★★ HORIZON-MISS-2027-06-SOIL-CANCER - LIVING LABS TO MONITOR AND MITIGATE CARCINOGENIC SUBSTANCES IN AND ORIGINATING FROM SOILS: EVALUATING THEIR EFFECTS ON HUMAN CANCER RISKS

- **Type of action:** RIA. Call: *Joint call Soil × Cancer (2027)*.
- **Budget:** 24.00 M€. **Expected:** Around 12.00 M€. **#projects:** 2.
- **Scientific focus**
 - **Living-labs** to monitor fluxes of carcinogens from soils, assess exposure pathways, and co-develop mitigation.
- **Why microfluidics matters**
 - **Fieldable micro-samplers** for **volatile/semi-volatile organics & metals** (preconcentration, micro-extraction).
 - **Organ-on-chip exposure models** (liver, lung, gut) to link dose → effect at realistic exposure kinetics.
 - **Lab-on-chip** analytics for rapid hotspot screening and community engagement; training for local labs.

★★★★★ HORIZON-MISS-2026-03-OCEAN-02 - ADDRESSING AQUATIC POLLUTION AND BIODIVERSITY LOSS THROUGH NATURE POSITIVE SOLUTIONS FROM SOURCE TO SEA

- **Type of action:** IA. Call: *Restore our Ocean & Waters (2026)*.
- **Budget:** 32.00 M€. **Expected:** 7.00-8.00 M€. **#projects:** 4.
- **Scientific focus**
 - Demonstrate **catchment-to-coast** interventions that curb pollution and restore biodiversity via **nature-positive** measures.
- **Microfluidics value**
 - **In-situ microfluidic sensors** (nutrients, PFAS, pharma) feeding *source-to-sea* control loops.
 - **eDNA-on-chip** modules to track biodiversity response to interventions in near-real-time.

- Rugged **autonomous μ -nodes** for dense monitoring networks supporting evaluation & replication.

★★★★ HORIZON-MISS-2026-05-SOIL-01 - MONITORING SOIL HEALTH IN PRACTICE: EQUIPPING STAKEHOLDERS TO SAMPLE, ANALYSE, AND INTERPRET SOIL HEALTH INDICATORS

- **Type of action:** CSA. Call: *Soil Mission (2026)*.
- **Budget:** 5.00 M€. **#projects:** 1.
- **Scientific focus**
 - Deployment support for **sampling/analysis/interpretation** of soil indicators; capacity building & harmonisation.
- **Microfluidics value**
 - **Portable lab-on-chip** kits (nitrate, phosphate, TOC, enzymes) with **training curricula** for practitioners.
 - **Micro-prep cartridges** to remove soil inhibitors; **QA/QC protocols** ensuring inter-lab comparability.

★★★★ HORIZON-MISS-2027-05-SOIL-02 - INNOVATIVE BIOTECHNOLOGIES TO RESTORE SOIL HEALTH AND IMPROVE AGRICULTURAL COMPETITIVENESS AND RESILIENCE

- **Type of action:** IA. Call: *Soil Mission (2027)*.
- **Budget:** 12.80 M€. **Expected:** Around 6.40 M€. **#projects:** 2.
- **Scientific focus**
 - Demonstrate soil **biotech** solutions that restore functions and boost resilience/competitiveness.
- **Microfluidics value**
 - **μ -bioreactors** for microbial consortia optimisation; **droplet screens** for enzyme/strain selection.
 - **Soil-on-chip** assays to quantify function recovery under controlled moisture/oxygen gradients.

★★★★ HORIZON-MISS-2027-03-OCEAN-02 - CIRCULARITY OF SEAFOOD SUPPLY CHAIN

- **Type of action:** IA. Call: *Restore our Ocean & Waters (2027)*.
- **Budget:** 31.10 M€. **Expected:** 7.20-7.775 M€. **#projects:** 4.
- **Scientific focus**
 - End-to-end circularity demonstrators (quality, safety, waste valorisation, traceability).

- **Microfluidics value**

- **On-line μ -sensors** for freshness/pathogens/toxins in processing lines.
 - **Chip fractionation** for valorising side-streams (proteins, omega-oils) with low energy use.
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★★★★ HORIZON-MISS-2027-02-CANCER-03 - PHASE 1 INCLUDING FIRST-IN-HUMAN CLINICAL TRIALS TO TEST BIOMARKER-GUIDED MEDICINES FOR PATIENTS WITH RARE CANCERS OR VERY RARE CANCER SUBTYPES

- **Type:** RIA. Call: *Cancer Mission (2027)*.
 - **Budget:** 25.00 M€. **Expected:** 7.00-9.00 M€. **#projects:** 3.
 - **Scientific focus**
 - Early-phase biomarker-guided trials for rare cancers; accelerate clinical translation.
 - **Microfluidics value**
 - **Microfluidic CTC/EV assays** and **rare-cell omics** to refine inclusion/stratification and PK/PD sampling.
 - **Ex-vivo tumor-on-chip** chemosensitivity to inform dose/schedule hypotheses.
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★★★★ HORIZON-MISS-2027-02-CANCER-01 - LEVERAGING FUNCTIONAL GENOMICS TO REVEAL NOVEL TARGETS FOR CANCER TREATMENT

- **Type:** RIA. Call: *Cancer Mission (2027)*.
 - **Budget:** 33.30 M€. **Expected:** 7.00-8.00 M€. **#projects:** 4.
 - **Scientific focus**
 - High-content functional genomics to discover actionable targets across tumours.
 - **Microfluidics value**
 - **Droplet-based CRISPR screens** and **single-cell perturb-seq on-chip** to map target dependencies efficiently.
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★★★ HORIZON-MISS-2026-03-OCEAN-05 - REGIONAL (SEA-BASINS) COMPONENTS OF THE EU DIGITAL TWIN OCEAN

- **Type:** IA. Call: *Restore our Ocean & Waters (2026)*.
- **Budget:** 20.00 M€. **Expected:** Around 5.00 M€. **#projects:** 4.
- **Scientific focus:** Regional building blocks for the **EU Digital Twin Ocean** with data/assimilation & services.

- **Microfluidics value:** **μ-sensor arrays** and **autonomous micro-samplers** as cost-effective data feeds; **QA/QC** methods for harmonised ingestion.
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★★★ HORIZON-MISS-2026-01-CLIMA-06 - IMPROVING CLIMATE RESILIENCE OF NAVIGABLE INLAND WATERWAYS, THEIR SURROUNDINGS AND RELATED WATER INFRASTRUCTURE

- **Type:** RIA. Call: *Adaptation to Climate Change (2026)*.
 - **Budget:** 12.00 M€. **Expected:** Around 6.00 M€. **#projects:** 2.
 - **Scientific focus**
 - **Risk assessment & modelling** for EU waterways (droughts, floods, compound events) and **nature-based** resilience options; stakeholder coordination.
 - **Microfluidics value**
 - **In-situ microfluidic water-quality nodes** (nutrients, contaminants) to complement hydraulic/ecological indicators.
 - **μ-lab workflows** for rapid event monitoring during low-flow/high-flow extremes.
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★★★ HORIZON-MISS-2027-03-OCEAN-03 - GREEN, CIRCULAR AND RESILIENT HARBOURS

- **Type:** IA. **Budget:** 12.00 M€. **Expected:** 5.50-6.00 M€. **#projects:** 2.
 - **Focus:** Demonstrate low-impact, circular, and climate-resilient port operations/infrastructures.
 - **Microfluidics:** **μ-sensors** for stormwater/industrial discharges, **micro-reactors** for polishing side-streams, compact **bioassays** for eco-tox risk.
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★★★ HORIZON-MISS-2027-03-OCEAN-01 - INCREASING RIPARIAN AND COASTAL AREAS RESILIENCE TO CLIMATE CHANGE, INCLUDING IN WATERFRONT CITIES AND ISLANDS

- **Type:** IA. **Budget:** 36.00 M€. **Expected:** 8.00-9.00 M€. **#projects:** 4.
 - **Focus:** Place-based resilience demonstrators for coasts & riparian zones.
 - **Microfluidics:** Dense, low-power **μ-monitoring** (salinity/nutrients/harmful agents) to steer **NbS** performance tracking.
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★★★ HORIZON-MISS-2026-03-OCEAN-04 - TOWARDS A EUROPEAN NETWORK OF OCEAN TECHNOLOGY TESTING SITES

- **Type:** CSA. **Budget:** 3.00 M€. **#projects:** 1.
- **Focus:** Coordination of test sites and access/use frameworks.

- **Microfluidics:** Position μ -sensor and sampler prototypes for pre-normative testing and certification pathways.
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★★★ HORIZON-MISS-2026-03-OCEAN-03 - BY FISHERS, FOR FISHERS: CO-MANAGEMENT OF MARINE AND FRESHWATERS ECOSYSTEMS AND RESOURCES

- **Type:** IA. **Budget:** 32.00 M€. **Expected:** 7.00-8.00 M€. **#projects:** 4.
 - **Focus:** Co-management demonstrators by/with fishers and communities.
 - **Microfluidics:** Deck-ready μ -assays for pathogens/biotoxins and environmental DNA to inform adaptive rules.
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★★★ HORIZON-MISS-2027-04-CIT-02 - HYDROGEN CITIES

- **Type:** CSA. **Budget:** 5.00 M€. **#projects:** 1.
 - **Focus:** Coordination/road-mapping for citywide hydrogen deployment.
 - **Microfluidics:** Niche fit via micro-channel flow-field prototyping and electrolyser stack diagnostics training within pilots.
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★★★ HORIZON-MISS-2027-05-SOIL-01-TWO-STAGE - LIVING LABS TO ENHANCE SOIL HEALTH IN CONTINENTAL, BLACK SEA, PANNONIAN AND STEPPIC BIOGEOGRAPHICAL REGIONS

- **Type:** RIA. **Budget:** 24.00 M€. **Expected:** Around 12.00 M€. **#projects:** 2.
 - **Focus:** Regional living labs co-creating scalable soil-health solutions.
 - **Microfluidics:** Field μ -kits for nutrient/biology indicators; training for local labs and harmonised data capture.
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★★ HORIZON-MISS-2026-05-SOIL-04 - LEVERAGING LONG-TERM FIELD EXPERIMENTS AND OTHER DATASETS TO DEVELOP AI-READY DECISION SUPPORT SYSTEMS FOR SUSTAINABLE SOIL MANAGEMENT

- **Type:** IA. **Budget:** 12.00 M€. **Expected:** Around 6.00 M€. **#projects:** 2.
 - **Focus:** Turn legacy & LTE data into AI-ready DSS for soil management.
 - **Microfluidics:** Standardised μ -sensor data schemas & calibration chains to make field measurements AI-ingestible.
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★★ HORIZON-MISS-2026-03-OCEAN-01 - LARGE-SCALE DEMONSTRATION FOR MAPPING THE DISTRIBUTION AND CONDITION OF MARINE HABITATS TO IMPLEMENT THE NATURE RESTORATION REGULATION

- **Type:** IA. **Budget:** 32.00 M€. **Expected:** 7.00-8.00 M€. **#projects:** 4.

- **Focus:** Operational **habitat mapping** & condition assessment at scale.
 - **Microfluidics:** On-chip eDNA & μ -nutrient sensing complementing remote/acoustic methods.
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★★ HORIZON-MISS-2027-01-CLIMA-02 - RESEARCHING AND APPLYING THE POTENTIAL OF ARTIFICIAL INTELLIGENCE TO FOSTER CLIMATE RESILIENCE AT THE REGIONAL AND LOCAL LEVELS

- **Type:** RIA. **Budget:** 12.00 M€. **Expected:** Around 3.00 M€. **#projects:** 4.
 - **Focus:** New AI methods and applications for adaptation planning & operations.
 - **Microfluidics:** Provide reliable μ -sensor data streams (validated, uncertainty-aware) to train/test AI for local resilience.
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★★ HORIZON-MISS-2027-05-SOIL-02-TWO-STAGE - LIVING LABS FOR CO-CREATING SOLUTIONS TO REDUCE EUTROPHICATION FROM AGRICULTURE

- **Type:** RIA. **Budget:** 24.00 M€. **Expected:** Around 12.00 M€. **#projects:** 2.
 - **Focus:** Co-designed measures to cut nutrient loads.
 - **Microfluidics:** μ -nutrient analyzers ($\text{NO}_3^-/\text{PO}_4^{3-}/\text{NH}_4^+$) and micro-samplers for storm pulses.
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★★ HORIZON-MISS-2027-03-OCEAN-05 - LARGE-SCALE DEMONSTRATION FOR BLUE FORESTATION OF EUROPEAN SEA BASINS

- **Type:** IA. **Budget:** 16.00 M€. **Expected:** 3.50-4.00 M€. **#projects:** 4.
 - **Focus:** Demonstrators for macroalgae/seagrass restoration at scale.
 - **Microfluidics:** μ -nutrient/ CO_2 sensors and biogrowth micro-assays to optimise planting/maintenance.
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★★ HORIZON-MISS-2027-04-CIT-01 - INNOVATIVE MICROGRIDS FOR IMPROVED ENERGY SYSTEM INTEGRATION AND EFFICIENCY IN URBAN CONTEXTS

- **Type:** IA. **Budget:** 20.00 M€. **Expected:** Around 7.00 M€. **#projects:** 3.
 - **Focus:** City microgrids integration and flexibility demonstrators.
 - **Microfluidics:** Niche via thermal micro-exchangers for compact CHP/HVAC demonstrators or μ -sensors for power-to-water processes.
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★★ HORIZON-MISS-2027-07-CLIMA-CIT-NEB-01 - URBAN NATURE: SUPPORTING RESTORATION OF URBAN ECOSYSTEMS, ALONG URBAN TRANSPORT NETWORKS AND IN THE BUILT ENVIRONMENT

- **Type:** IA. **Budget:** 40.00 M€. **Expected:** Around 10.00 M€. **#projects:** 4.
- **Focus:** NbS demonstrators in urban/brownfield contexts.

- **Microfluidics: Environmental μ -sensor networks** (soil moisture, pollutants) to steer maintenance & quantify co-benefits.
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★★ HORIZON-MISS-2026-01-CLIMA-05 - DEMONSTRATING SOLUTIONS TO PROTECT AND PRESERVE CULTURAL HERITAGE FROM THE IMPACTS OF CLIMATE CHANGE

- **Type:** IA. **Budget:** 21.00 M€. **Expected:** Around 7.00 M€. **#projects:** 3.
 - **Focus:** Multi-site demos protecting **movable/immovable/natural heritage** from climate impacts.
 - **Microfluidics: μ -climate & pollutant sensors** and **micro-desorption** diagnostics for preventive conservation.
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★★ HORIZON-MISS-2026-05-SOIL-01-TWO-STAGE - LIVING LABS TO ENHANCE SOIL HEALTH IN ALPINE AND ATLANTIC BIOGEOGRAPHICAL REGIONS

- **Type:** RIA. **Budget:** 24.00 M€. **Expected:** Around 12.00 M€. **#projects:** 2.
 - **Focus:** Co-create **regional** soil-health innovations.
 - **Microfluidics: Field μ -kits + training** for indicator monitoring; integration with living-lab data platforms.
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★★ HORIZON-MISS-2026-05-SOIL-02-TWO-STAGE - LIVING LABS TO ENHANCE SOIL HEALTH IN MANAGED FORESTS AND IN NATURAL/SEMI-NATURAL LANDS

- **Type:** RIA. **Budget:** 24.00 M€. **Expected:** Around 12.00 M€. **#projects:** 2.
 - **Microfluidics: μ -assays** for soil respiration/enzymes; **on-chip** pathogen surveillance for forest health.
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★ HORIZON-MISS-2026-01-CLIMA-03 - STANDARDISING AND SUPPORTING CLIMATE SERVICES FOR CLIMATE ADAPTATION

- **Type:** RIA. **Budget:** 9.19 M€. **#projects:** 1.
 - **Focus:** **Reference datasets/scenarios** and **standardised climate-service practices** for decision-making.
 - **Microfluidics:** Contribute **measurement standards & uncertainty** for μ -sensor data streams used by services.
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★ HORIZON-MISS-2027-01-CLIMA-01 - DEMONSTRATING TRANSFORMATIVE SOLUTIONS TO INCREASE TRANSBORDER CLIMATE RESILIENCE

- **Type:** IA. **Budget:** 72.32 M€. **Expected:** 10.00-15.00 M€. **#projects:** 5.

- **Focus:** Multi-country adaptation demonstrators on shared risks/systems.
 - **Microfluidics:** Provide **cross-border comparable μ -monitoring** packages and training.
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★ **HORIZON-MISS-2027-04-CIT-05 - PRE-COMMERCIAL PROCUREMENT (PCP) FOR CLIMATE-NEUTRAL CITIES**

- **Type:** PCP. **Budget:** 26.82 M€. **Expected:** 7.00-12.00 M€. **#projects:** 3.
 - **Focus:** PCP boosting **net-zero city** solutions.
 - **Microfluidics:** Target lots related to **water quality, health monitoring, building IAQ** via **μ -analytics**.
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– **HORIZON-MISS-2027-02-CANCER-02 - CLINICAL RESEARCH BY COMPREHENSIVE CANCER INFRASTRUCTURES FOR COMMON CANCERS**

- **Type:** IA. **Budget:** 20.00 M€. **Expected:** 7.00-10.00 M€. **#projects:** 3.
 - **Focus:** Multicentre clinical research within CCI.
 - **Microfluidics:** Optional **companion-diagnostic** microfluidic modules for biomarker workflows.
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– **HORIZON-MISS-2027-03-OCEAN-04 - TOWARDS COMMUNITY-DRIVEN BUSINESS MODELS: COASTAL AND FRESHWATERS SUSTAINABLE TOURISM**

- **Type:** IA. **Budget:** 6.00 M€. **Expected:** 1.00-1.50 M€. **#projects:** 4.
 - **Focus :** Sustainable tourism demonstrators.
 - **Microfluidics:** Niche via **water-quality micro-monitoring** for bathing waters/ponds.
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– – **HORIZON-MISS-2026-01-CLIMA-04 - BRIDGING THE GAP BETWEEN DISASTER RISK MANAGEMENT AND CLIMATE ADAPTATION**

- **Type:** CSA. **Budget:** 5.00 M€. **#projects:** 1.
 - **Focus:** Methods, guidelines, and joint knowledge across DRM & adaptation communities; ECCA conferences.
 - **Microfluidics:** Limited; possible inputs on **rapid μ -assays** for event exposure assessment.
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– – **HORIZON-MISS-2026-01-CLIMA-02 - FACILITATING IMPLEMENTATION OF ACTIONABLE SOLUTIONS FOR CLIMATE ADAPTATION OF REGIONS AND LOCAL AUTHORITIES**

- **Type:** CSA. **Budget:** 5.00 M€. **#projects:** 1.
- **Focus:** Systematically **harvest/promote** actionable adaptation solutions; multilingual access via the Mission platform.

- **Microfluidics:** Contribute **catalogued μ -sensor/toolkits** and training content.
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– – HORIZON-MISS-2026-04-CIT-02 - TRANSITION TO LOW-TEMPERATURE HEATING SOLUTIONS IN MULTI-APARTMENT BUILDINGS

- **Type:** IA. **Budget:** 18.00 M€. **Expected:** Around 6.00 M€. **#projects:** 3.
 - **Focus:** Retrofit & system integration for **low-T heating**.
 - **Microfluidics:** Minor; niche **micro-heat-exchanger** R&D for compact solutions.
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– – HORIZON-MISS-2026-01-CLIMA-01 - NATIONAL ADAPTATION HUBS - BRINGING TOGETHER THE NATIONAL LEVEL WITH THE ENGAGED REGIONAL AND LOCAL LEVELS (MULTI-LEVEL GOVERNANCE)

- **Type:** CSA. **Budget:** 10.00 M€. **#projects:** 1.
 - **Focus:** Establish/animate **national hubs** and grouping schemes; FS to third parties for hubs.
 - **Microfluidics:** Limited; potential **training** or **standard-kit** inputs to hubs.
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– – HORIZON-MISS-2026-04-CIT-01 - ENERGY-EFFICIENT URBAN AND SUB-URBAN PUBLIC TRANSPORT, COMPLEMENTED BY SHARED MOBILITY

- **Type:** IA. **Budget:** 20.00 M€. **#projects:** 2.
 - **Focus:** Integrated **clean mobility** deployments.
 - **Microfluidics:** Minimal; potential **air-quality μ -sensors** in depots/corridors.
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– – HORIZON-MISS-2026-06-CLIMA-SOIL - JOINT DEMONSTRATION OF SOLUTIONS TO BUILD SOIL RESILIENCE TO EXTREME WEATHER EVENTS AND SUPPORT FOOD SECURITY

- **Type:** IA. **Budget:** 20.00 M€. **#projects:** 2.
 - **Focus:** Joint Soil×Climate **resilience demos**.
 - **Microfluidics:** Supplementary **μ -monitoring** of soil water/quality during extremes.
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– – – HORIZON-MISS-2026-01-CLIMA-07 - DEMONSTRATING INNOVATIVE FINANCING OF LOCAL ADAPTATION ACTIONS WITH COMBINATION OF PUBLIC FUNDING AND PRIVATE FINANCING

- **Type:** IA. **Budget:** 20.00 M€. **#projects:** 1.
 - **Focus:** Cascade funding + EIB intermediated lending to **blend-finance** local adaptation.
 - **Microfluidics:** Relevance only if leading **μ -sensor-enabled** local projects needing blended finance.
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--- HORIZON-MISS-2027-05-SOIL-03 - LONG-TERM DRIVERS AND CONSEQUENCES OF SOIL DEGRADATION: LEARNING FROM THE PAST TO IMPROVE FUTURE SOIL HEALTH

- **Type:** RIA. **Budget:** 7.00 M€. **#projects:** 1.
 - **Focus:** Historical/LTE evidence on soil degradation trajectories.
 - **Microfluidics:** Limited; contribute **standardised assays** for selected indicators.
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--- HORIZON-MISS-2026-05-SOIL-03 - ENABLING USER-CENTRED AND OPEN INNOVATION INITIATIVES TO ENHANCE SOIL HEALTH IN UKRAINE

- **Type:** CSA. **Budget:** 4.50 M€. **#projects:** 1.
 - **Focus:** Capacity/open-innovation for soil health in Ukraine.
 - **Microfluidics:** Possible training on **low-cost μ -kits**.
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--- HORIZON-MISS-2026-04-CIT-NEB-B4P-CCRI-03 - INTRODUCING CIRCULAR ECONOMY MODELS IN THE CONSTRUCTION SECTOR, FROM BUILDINGS TO CITY SCALE

- **Type:** IA. **Budget:** 47.50 M€. **Expected:** Around 9.50 M€. **#projects:** 5.
 - **Focus:** Circularity across **construction value-chains**.
 - **Microfluidics:** Marginal; potential **IAQ μ -sensors** for healthy-building KPIs.
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--- HORIZON-MISS-2027-04-CIT-CCRI-04 - ADVANCING CIRCULAR LOGISTICS SOLUTIONS IN CITIES

- **Type:** IA. **Budget:** 22.50 M€. **Expected:** Around 7.50 M€. **#projects:** 2.
 - **Focus:** Circular city logistics innovations.
 - **Microfluidics:** Minimal; optional **μ -air/odour** monitoring in depots.
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--- HORIZON-MISS-2027-02-CANCER-04 - IMPROVING EQUITABLE HEALTH OUTCOMES FOR CANCER PATIENTS THROUGH HEALTH-ECONOMICS, HEALTH-SYSTEMS AND OUTCOMES RESEARCH

- **Type:** RIA. **Budget:** 10.00 M€. **Expected:** 5.00-7.00 M€. **#projects:** 3.
 - **Focus:** Outcomes & equity research.
 - **Microfluidics:** Not core; contribute **diagnostics access** case studies if relevant.
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--- HORIZON-MISS-2026-02-CANCER-04 - EARLIER AND MORE PRECISE PALLIATIVE CARE

- **Type:** RIA. **Budget:** 15.00 M€. **Expected:** Around 5.00 M€. **#projects:** 3.
- **Microfluidics:** Very limited relevance.

--- HORIZON-MISS-2026-02-CANCER-05 - BOOSTING MENTAL HEALTH OF YOUNG CANCER SURVIVORS THROUGH THE ECPDC

- **Type:** IA. **Budget:** 7.00 M€. **#projects:** 1.
- **Microfluidics:** Outside microfluidics core.

--- HORIZON-MISS-2026-02-CANCER-07 - IMPROVE THE QUALITY OF LIFE OF OLDER CANCER PATIENTS

- **Type:** RIA. **Budget:** 27.00 M€. **Expected:** 5.00-6.00 M€. **#projects:** 5.
- **Microfluidics:** Peripheral.

--- HORIZON-MISS-2026-02-CANCER-06 - DEVELOPMENT OF A RESEARCH CAPACITY BUILDING PROGRAMME ON CANCER WITH AND FOR UKRAINE

- **Type:** CSA. **Budget:** 5.00 M€. **#projects:** 1.
- **Microfluidics:** Only if capacity-building in **diagnostic microtechnologies** is requested.

--- HORIZON-MISS-2027-02-CANCER-06 - SUPPORT A YOUNG CANCER SURVIVOR QoL RESEARCH PROGRAMME BY CANCER CHARITIES & FUNDERS

- **Type:** CSA. **Budget:** 3.00 M€. **#projects:** 1.
- **Microfluidics:** Not aligned.