

## Horizon Europe Cluster 3 2026-2027

We have sorted the calls for projects from Horizon Europe Cluster 3 2026-2027 according to the impact that microfluidics can have on the calls for 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 using microfluidic technologies for the topic cited. But also, to a lesser extent, what a microfluidic laboratory or SME could contribute to the topic (mainly for calls with low relevance to microfluidic technologies).

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 (apply to all topics within each call):

- HORIZON-CL3-2026: Call Civil Security for Society 2026; Opening 05 May 2026; Deadline 04 Nov 2026
- HORIZON-CL3-2027: Call Civil Security for Society 2027; Opening 05 May 2027; Deadline 04 Nov 2027

*(Details for all topics are provided below, ranked by microfluidic relevance)*

\*\*\*\*\* HORIZON-CL3-2027-01-DRS-01 - OPEN TOPIC ON ADVANCED PROTECTIVE GEAR OPTIMIZED FOR CBRN-E (CHEMICAL, BIOLOGICAL, RADIOLOGICAL, NUCLEAR, EXPLOSIVES) ENVIRONMENTS AND NEW GENERATION OF SMART PROTECTIVE EQUIPMENT FOR DISASTER RESPONDERS

- **Type of action:** IA
- **Budget (topic, M€):** 8.00
- **Expected EU contribution per project (M€):** ~4.00
- **Estimated number of projects:** 2
- **Scientific summary:**
  - Deliver next-gen **protective ensembles** and **smart PPE** for CBRN-E events.
  - Integrate **sensing, monitoring, and decision-support** directly in gear; enhance decontamination & durability in harsh environments.
  - Support responders' **operational effectiveness** while reducing physiological burden and exposure risks.
  - Validate in **operationally realistic trials** with first-responder end-users.
- **Why microfluidics:**
  - **Skin/airborne bio-chemical exposure monitoring** via **lab-on-patch** microfluidic cassettes integrated into garments, boots, gloves, and masks.
  - **On-body sweat/respiratory sampling** and **point-of-exposure detection** (biotoxins, VOCs) with disposable polymer chips.
  - **Microfluidic aerosol samplers** for field triage; **rapid decontamination** cartridges and micro-mixers for neutralizers.
  - **Organ-on-chip** panels for **material biocompatibility** and **decontaminant efficacy** screening; **microfabricated** flow paths embedded in respirators.
  - **Training modules** for responders on microfluidic biosensing

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\*\*\*\*\* HORIZON-CL3-2026-01-FCT-06 - PREVENTION AND MITIGATION OF MISUSE OF SYNTHETIC BIOLOGY FOR BIOTERRORISM PURPOSES

- **Type of action:** RIA
- **Budget (topic, M€):** 3.00
- **Estimated number of projects:** 1
- **Scientific summary :**
  - Map bioterror risks arising from **synthetic biology**, gene editing, and **DIY bio** ecosystems.
  - Define **monitoring & regulatory** needs; raise **dual-use awareness** in the research community.

- Advance **identification technologies** for early, deployable **bioagent detection** (alongside expert-lab characterization).
- **Why microfluidics :**
  - **Fieldable microfluidic bio-surveillance:** rapid nucleic-acid/protein assays on polymer chips for **early detection** and **source tracing**.
  - **Portable sample-to-answer** devices (swab→lysis→amplification→readout) for **first-responders** and law enforcement.
  - **Biosafety-by-design** testbeds on **organs-on-chips** to evaluate pathogenicity/toxicity pathways under controlled micro-physiology.
  - Contribute to **best-practice training** for labs and **innovation/entrepreneurship** curricula on **dual-use mitigation**.

\*\*\*\* HORIZON-CL3-2027-01-BM-03 - DETECTION AND CHARACTERISATION OF THREATS OR ILLEGAL/SMUGGLED GOODS IN CARGO

- **Type of action:** RIA
- **Budget (topic, M€):** 14.00
- **Expected EU contribution per project (M€):** ~3.50
- **Estimated number of projects:** 4
- **Scientific summary:**
  - Improve **screening of cargo/containers** for **dual-use items, weapons, explosives, harmful liquids/powders**, and illicit goods.
  - Develop **sensors, machine learning, anomaly detection**, and multi-modal screening workflows; emphasize **real-time decisions** and reduced false results.
  - Strengthen **interoperability** and trial solutions at borders, ports, and logistics nodes.
- **Why microfluidics:**
  - **Microfluidic pre-concentrators** and **nano-porous chips** for trace **chemical/explosive/narcotic** signatures in headspace and wipes.
  - **Lab-on-chip immuno/aptamer assays** for liquids/powders; compact **sample prep** for heterogeneous cargos.
  - **In-line cartridge architecture** enabling **high-throughput swab-to-result**; ruggedized polymer devices for customs workflows.

**\*\*\* HORIZON-CL3-2027-01-SSRI-01 - ACCELERATING UPTAKE THROUGH OPEN PROPOSALS FOR ADVANCED SME INNOVATION**

- **Type of action:** IA
  - **Budget (topic, M€):** 4.50
  - **Expected EU contribution per project (M€):** ~1.50
  - **Estimated number of projects:** 3
  - **Scientific summary:**
    - Fast-track **SME security innovations** to final testing/validation and nearer-to-market adoption.
    - Focus on **operational trials**, standardization/validation, and integration into practitioner workflows.
    - Address SME-specific barriers (resilience of smaller actors, solution certification).
  - **Why microfluidics:**
    - Perfect fit for **pilot-scale validation** of **portable biosensor/microchip** platforms with **first responders, police, borders**.
    - Support for **certification, field trials, manufacturability** (polymer microfabrication), and **training** packages.
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**\*\*\* HORIZON-CL3-2026-01-DRS-03 - DEVELOPMENT OF INNOVATIVE TOOLS, PROCESSES, EQUIPMENT AND TECHNOLOGIES THROUGH RESPONSES TO DISASTERS AND EMERGENCIES FOR SEARCH AND RESCUE IN HAZARDOUS CONDITIONS**

- **Type of action:** IA
- **Budget (topic, M€):** 8.00
- **Expected EU contribution per project (M€):** ~4.00
- **Estimated number of projects:** 2
- **Scientific summary:**
  - Advance **S&R capabilities** (tools, processes, equipment) for **hazardous environments**.
  - Emphasize **safety, speed, and reliability** in rubble, contaminated zones, confined or oxygen-deprived spaces.
  - Validate with **operational practitioners** and interoperable command systems.
- **Why microfluidics:**
  - **Handheld bio/chem readers** and **air/water micro-samplers** for on-site triage in collapsed/contaminated structures.
  - **Disposable micro-assay chips** for pathogen/toxin presence to **protect teams** and inform **PPE/evacuation** choices.

- **Training and lightweight diagnostic kits** deployable in rescue backpacks.

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**\*\*\* HORIZON-CL3-2027-01-FCT-05 - EFFECTIVE AND EVIDENCE-BASED RESPONSES TO THE INCREASED AVAILABILITY AND USE OF SYNTHETIC DRUGS AND STIMULANTS IN EUROPE**

- **Type of action:** IA
- **Budget (topic, M€):** 8.00
- **Expected EU contribution per project (M€):** ~4.00
- **Estimated number of projects:** 2
- **Scientific summary:**
  - Strengthen the **evidence base** for prevention, treatment, and **harm-reduction** for synthetic drugs/stimulants.
  - Equip police/CSOs/NGOs with **tools & tech** to reduce **violence/offences** and combat **trafficking** along the supply chain.
- **Why microfluidics:**
  - **Rapid microfluidic drug profiling** (street-level screening of NPS analogs) with confirmatory workflows.
  - **On-site toxicology** (saliva, sweat) and **environmental residue** mapping using **portable chips**.

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**\*\* HORIZON-CL3-2026-01-SSRI-01 - OPEN TOPIC ON SUPPORTING DISRUPTIVE TECHNOLOGICAL INNOVATIONS FOR CIVIL SECURITY**

- **Type of action:** RIA
  - **Budget (topic, M€):** 4.00
  - **Expected EU contribution per project (M€):** ~2.00
  - **Estimated number of projects:** 2
  - **Scientific summary:**
    - Fund **disruptive security tech** with clear **operational impact** and **practitioner uptake** pathway.
    - Emphasis on **testing/validation**, not just concept studies.
  - **Why microfluidics:**
    - Launch/validate **novel microfluidic sensors, organs-on-chips** for hazard/toxicity screening, **field diagnostics**
    - Builds evidence for **standardization** and **adoption** by civil protection/police/border agencies.
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**\*\* HORIZON-CL3-2026-01-INFRA-02 - SECURITY CHALLENGES OF THE GREEN TRANSITION IN URBAN UND PERI-URBAN AREAS**

- **Type of action:** RIA
  - **Budget (topic, M€):** 4.00
  - **Expected EU contribution per project (M€):** ~4.00
  - **Estimated number of projects:** 1
  - **Scientific summary:**
    - Identify **new security risks** linked to **green-transition tech** in urban/peri-urban settings.
    - Build **tools to measure urban changes**, examine **incidents**, enhance **societal acceptance**, and **resilience**.
  - **Why microfluidics:**
    - **Environmental micro-sensing** (air/water) around **batteries, hydrogen, waste-to-energy**, etc.
    - **On-site analytical chips** to assess leaks/contaminants; supports **risk mapping** and **incident forensics**.
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**\*\* HORIZON-CL3-2026-01-DRS-04 - OPEN TOPIC ON DRIVING INNOVATION UPTAKE OF DISASTER RISK SOLUTIONS**

- **Type of action:** IA
  - **Budget (topic, M€):** 6.00
  - **Expected EU contribution per project (M€):** ~3.00
  - **Estimated number of projects:** 2
  - **Scientific summary:**
    - Accelerate **deployment** of existing **disaster-risk solutions** via demonstrations, capacity building, and procurement pathways.
  - **Why microfluidics:**
    - Mature microfluidics devices (**environmental chips, biohazard strip-tests**) for **civil-protection toolboxes**; training for **uptake**.
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**\*\* HORIZON-CL3-2026-01-INFRA-03 - TARGETED INNOVATIVE CAPABILITIES FOR THE RESILIENCE OF CRITICAL ENTITIES TO NATURAL AND HUMAN-INDUCED DISASTERS, INCLUDING HYBRID SCENARIOS**

- **Type of action:** IA
  - **Budget (topic, M€):** 10.00
  - **Expected EU contribution per project (M€):** ~5.00
  - **Estimated number of projects:** 2
  - **Scientific summary:**
    - Develop/validate **targeted resilience capabilities** for **critical entities** facing **hybrid/climate/tech** threats.
  - **Why microfluidics:**
    - **Continuous micro-monitoring** for **water/gas/liquid feeds, bio-fouling, or contaminants** inside critical facilities.
    - **Rapid diagnostics** to support **continuity plans** and **contamination response**.
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**\*\* HORIZON-CL3-2027-01-BM-01 - OPEN TOPIC ON RESEARCH AND INNOVATION FOR EFFECTIVE MANAGEMENT OF EU EXTERNAL BORDERS THAT PROMOTES FUNDAMENTAL RIGHTS AND EU VALUES**

- **Type of action:** RIA
  - **Budget (topic, M€):** 8.00
  - **Expected EU contribution per project (M€):** ~4.00
  - **Estimated number of projects:** 2
  - **Scientific summary:**
    - Open topic to develop/test **border-management** innovations (surveillance, checks, customs/supply-chain, maritime/aviation) with **rights-preserving** design.
  - **Why microfluidics:**
    - **On-site screening** of suspicious liquids/powders; **trace chemical** micro-assays; **biohazard triage** for seized materials.
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**\*\* HORIZON-CL3-2026-01-DRS-02 - MULTI-HAZARD APPROACH AND CUMULATIVE / CASCADING IMPACTS**

- **Type of action:** IA
- **Budget (topic, M€):** 8.00
- **Expected EU contribution per project (M€):** ~4.00
- **Estimated number of projects:** 2

- **Scientific summary:**
    - Tools and models for **multi-hazard risk, cascading effects**, and cross-sector impacts; validation with authorities.
  - **Why microfluidics:**
    - **Environmental micro-sensors** feeding **risk models** (water/air quality, toxics) and supporting **early warnings**.
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**\*HORIZON-CL3-2026-01-SSRI-02 - DEMAND-LED INNOVATION IN SECURITY (PCP)**

- **Type of action:** PCP
  - **Budget (topic, M€):** 6.00
  - **Estimated number of projects:** 1
  - **Scientific summary:**
    - Pre-Commercial Procurement for **end-user-driven security solutions**; focus on **testing and TRL progression**.
  - **Why microfluidics:**
    - Compete as supplier in PCP phases with **microfluidic biodetection** and **rapid drug/explosive screening** prototypes.
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**\*HORIZON-CL3-2027-01-SSRI-03 - DEMAND-LED INNOVATION IN SECURITY (PCP)**

- **Type of action:** PCP
  - **Budget (topic, M€):** 6.50
  - **Estimated number of projects:** 1
  - **Scientific summary:** as above, **PCP** instrument for end-user-defined challenges.
  - **Why microfluidics:** Same opportunity as 2026 PCP, one year later; microfluidics can target **CBRN-E detection** or **drug screening** lots.
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**\*HORIZON-CL3-2026-01-SSRI-03 - PUBLIC PROCUREMENT OF INNOVATION FOR SECURITY (PPI)**

- **Type of action:** PPI
  - **Budget (topic, M€):** 2.00
  - **Estimated number of projects:** 1
  - **Scientific summary:** **Purchase** and deployment of **innovative security tech** meeting buyer-group specs.
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**\*HORIZON-CL3-2026-01-DRS-05 - CLIMATE SECURITY AND CIVIL PREPAREDNESS - NEW WAYS TO DEVELOP PRE- AND POST-CRISIS CLIMATE-CHANGE-RELATED SCENARIOS FOR A MORE RESILIENT EUROPE**

- **Type of action:** IA
  - **Budget (topic, M€):** 4.50
  - **Estimated number of projects:** 1
  - **Scientific summary:**
    - **Identify/prioritize climate-security scenarios;** develop **forecasting, alerts, risk-assessment tools**, and post-crisis situational awareness.
    - Strengthen **stakeholder engagement** and **local/regional adaptation** capacity.
  - **Why microfluidics:** **Environmental-quality micro-sensors** (water, pollutants) feed scenario modelling; **mobile lab-on-chip** for rapid **impact assessment**.
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**\*HORIZON-CL3-2027-01-SSRI-02 - OPEN GROUNDS FOR FUTURE PRE-COMMERCIAL PROCUREMENT OF INNOVATIVE SECURITY TECHNOLOGIES**

- **Type of action:** CSA
  - **Budget (topic, M€):** 2.00
  - **Estimated number of projects:** 2
  - **Scientific summary:** Prepare **buyer groups & roadmaps** for future PCPs; align requirements & test plans.
  - **Why microfluidics:** Shape **lots/specs** so **bio/chem micro-sensing** challenges are represented; ecosystem building.
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**\*HORIZON-CL3-2026-01-FCT-03 - MISSING PERSONS: PREVENTION AND INVESTIGATION**

- **Type of action:** IA
  - **Budget (topic, M€):** 5.00
  - **Estimated number of projects:** 1
  - **Scientific summary:**
    - Improve **tools/training** for prevention and **investigation** (incl. **cold cases**) with modern forensic methods and cross-border cooperation.
  - **Why microfluidics:** **On-chip forensic sample prep** and **rapid DNA/toxin** workflows aiding **cold-case** or **field investigations**.
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**– HORIZON-CL3-2026-01-FCT-01 - IMPROVING CAPABILITIES OF LAW ENFORCEMENT TO COUNTER CLIMATE-RELATED CHALLENGES**

- **Type of action:** RIA
  - **Budget (topic, M€):** 8.00 | **Expected EU/project (M€):** ~4.00 | **# projects:** 2
  - **Scientific summary:** **Adapted tools** to detect/mitigate **climate-related crimes**, improve LEA resources, and generate **policy recommendations**.
  - **Why microfluidics:** **Field micro-sensors** to document **pollutant releases/water contamination** in environmental crime contexts.
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**–HORIZON-CL3-2026-01-INFRA-01 - TOOLS AND PROCESSES TO SUPPORT STRESS TESTS OF CRITICAL INFRASTRUCTURE**

- **Type of action:** IA
  - **Budget (topic, M€):** 10.00 | **Expected EU/project (M€):** ~5.00 | **# projects:** 2
  - **Scientific summary:** Develop **protocols, tooling, and data** to **stress-test** critical entities and inform **resilience plans**.
  - **Why microfluidics:** **In-situ contamination probes** for **stress exercises** (water/air/chemical handling lines).
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**–HORIZON-CL3-2027-01-DRS-03 - ENHANCING DECISION SUPPORT SYSTEM FOR DISASTER CRISES: LEVERAGING EMERGING TECHNOLOGIES FOR IMPROVED CIVIL PREPAREDNESS AND CRISIS MANAGEMENT**

- **Type of action:** IA
  - **Budget (topic, M€):** 9.00 | **Expected EU/project (M€):** ~3.00 | **# projects:** 3
  - **Scientific summary:** **Decision-support platforms** and **emerging tech** integration for **preparedness/response**.
  - **Why microfluidics:** **Sensor feeds** from **microfluidic environmental/bio assays** improve **situational awareness** layers.
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**–HORIZON-CL3-2027-01-INFRA-01 - ENHANCING PHYSICAL PROTECTION OF CRITICAL INFRASTRUCTURES**

- **Budget (topic, M€):** 12.00 | **Expected EU/project (M€):** ~6.00 | **# projects:** 2
  - **Scientific summary:** Improve **physical security** (perimeter/access/sensors) against **IEDs, ramming, sabotage, UAS swarms**, etc.
  - **Why microfluidics:** **Low-cost leak/contaminant monitors** in **utility lines** complement physical protections.
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**–HORIZON-CL3-2027-01-DRS-04 - ENHANCING PREPAREDNESS FOR LARGE-SCALE CROSS-BORDER DISASTERS**

- **Type of action:** IA
  - **Budget (topic, M€):** 8.00 | **Expected EU/project (M€):** ~4.00 | **# projects:** 2
  - **Scientific summary:** Improve **cross-border preparedness**, interoperability, and **joint response** planning.
  - **Why microfluidics:** **Standardized sampling kits** to harmonize **cross-border** contamination assessment.
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**–HORIZON-CL3-2027-01-FCT-04 - OPEN TOPIC ON INCREASING SECURITY OF CITIZENS AGAINST TERRORISM, INCLUDING IN PUBLIC SPACES**

- **Type of action:** IA
  - **Budget (topic, M€):** 9.00 | **Expected EU/project (M€):** ~4.50 | **# projects:** 2
  - **Scientific summary:** Enhance **tools/procedures/training** to counter **terrorism-related problems** in public spaces; harmonized solutions and curricula for Police Authorities.
  - **Why microfluidics:** **Covert liquid/powder screening** modules for **venue security**; **biotoxin strip-tests**.
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**-- HORIZON-CL3-2026-01-FCT-05 - ENHANCING THE SECURITY OF CITIZENS AGAINST TERRORISM AND LONE-ACTOR VIOLENCE IN CONFINED SPACES SUCH AS SCHOOLS**

- **Type of action:** IA
  - **Budget (topic, M€):** 10.00 | **Expected EU/project (M€):** ~5.00 | **# projects:** 2
  - **Scientific summary:** Understand the phenomenon; **early-warning** for isolation/radicalisation; staff **training**; affordable security solutions; improved **cooperation** with Police Authorities—while respecting fundamental rights.
  - **Why microfluidics:** Niche: **on-site unknown-liquid testing** during incidents; otherwise limited.
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**-- HORIZON-CL3-2027-01-FCT-03 - OPEN TOPIC ON ENHANCED PREVENTION, DETECTION, AND DETERRENCE OF SOCIETAL ISSUES RELATED TO VARIOUS FORMS OF CRIME**

- **Type of action:** RIA
  - **Budget (topic, M€):** 6.00 | **Expected EU/project (M€):** ~3.00 | **# projects:** 2
  - **Scientific summary:** Open topic framing **new crime challenges**, with emphasis on **evidence-based tools**.
  - **Why microfluidics:** Potential sub-cases (e.g., **illicit substances**), but generally **indirect**.
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**-- HORIZON-CL3-2027-01-INFRA-02 - IMPACT OF MALICIOUS USE OF OPEN-SOURCE INTELLIGENCE ON CRITICAL INFRASTRUCTURE BUSINESS CONTINUITY**

- **Type of action:** IA
  - **Budget (topic, M€):** 8.00 | **Expected EU/project (M€):** ~4.00 | **# projects:** 2
  - **Scientific summary:** Assess/mitigate **OSINT-enabled threats** to **CI continuity**; tooling, training, and procedures.
  - **Why microfluidics:** Minimal; **micro-sensors** may support **forensic trails** after incidents.
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**-- HORIZON-CL3-2027-01-FCT-02 - COMMUNITY POLICING IN DIVERSE SOCIETIES IN EUROPE**

- **Type of action:** IA
  - **Budget:** 6.00 | **EU/project:** ~3.00 | **# projects:** 2
  - **Scientific summary:** Develop **tools/training for community policing** in diverse and **post-conflict** contexts (incl. Ukraine); cooperation with CSOs/NGOs; gender-sensitive approaches.
  - **Why microfluidics:** Minimal; possible **citizen micro-monitoring** kits for engagement.
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**--- HORIZON-CL3-2026-01-BM-01 - ADVANCED BORDER SURVEILLANCE AND SITUATIONAL AWARENESS**

- **Type of action:** IA
  - **Budget (topic, M€):** 12.00 | **Expected EU/project (M€):** ~6.00 | **# projects:** 2
  - **Scientific summary:** Enhance **border surveillance** and **situational awareness** with interoperable capabilities and trials.
  - **Why microfluidics:** Peripheral-**cargo/liquid** spot-testing at checkpoints.
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**--- HORIZON-CL3-2027-01-DRS-02 - SOCIETAL RESILIENCE, ENGAGEMENT OF THE YOUNGER GENERATIONS AND DIGITAL INNOVATION FOR DISASTER RESILIENCE**

- **Type of action:** RIA
  - **Budget (topic, M€):** 6.00 | **Expected EU/project (M€):** ~3.00 | **# projects:** 2
  - **Scientific summary:** Engage youth; **digital innovation** for **societal disaster resilience**.
  - **Why microfluidics:** Limited; **citizen-science micro-kits** for environmental sampling could contribute.
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--- HORIZON-CL3-2026-01-FCT-02 - OPEN TOPIC ON PREVENTING AND COUNTERING THE MISUSE OF EMERGING TECHNOLOGIES FOR CRIMINAL PURPOSES, INCLUDING ISSUES RELATED TO LAWFUL ACCESS TO DATA

- **Type of action:** RIA
  - **Budget (topic, M€):** 9.00 | **Expected EU/project (M€):** ~4.50 | **# projects:** 2
  - **Scientific summary:** Address **criminal misuse of emerging tech**; explore **lawful access** issues and practitioner tooling.
  - **Why microfluidics:** Indirect, except for **bio-tech misuse** cases (interface with FCT-06).
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--- HORIZON-CL3-2026-01-FCT-04 - CRIME PREVENTION APPROACHES, ONLINE AND OFF-LINE, TACKLING THE NEXUS BETWEEN ADDICTIONS AND CRIME

- **Type of action:** RIA
  - **Budget (topic, M€):** 6.00 | **Expected EU/project (M€):** ~3.00 | **# projects:** 2
  - **Scientific summary:** Improve understanding of **addictions-crime link**; develop **prevention tools** and **training curricula**; modernize judicial approaches.
  - **Why microfluidics:** Possible **drug-screening** demonstration, but overall **social/behavioural** focus dominates.
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--- HORIZON-CL3-2026-01-BM-03 - RELIABILITY OF AGE ASSESSMENT METHODS IN THE CONTEXT OF SECURITY AND BORDER MANAGEMENT

- **Type of action:** CSA
  - **Budget (topic, M€):** 1.50 | **# projects:** 1
  - **Scientific summary:** Coordinate work on **age-assessment reliability** and ethics in security/border contexts.
  - **Why microfluidics:** Little direct fit; **bio-marker** approaches are ethically sensitive
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---- HORIZON-CL3-2027-01-BM-02 - TRUSTED, SECURE, QUALITY FUTURE DIGITAL TRAVEL CREDENTIALS

- **Type of action:** RIA
  - **Budget (topic, M€):** 8.00 | **# projects:** 2
  - **Scientific summary:** Develop/test capabilities for **future DTCs** (issuance/validation/sharing), **on-the-move biometrics**, **interoperability**.
  - **Why microfluidics:** Not aligned (digital identity).
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**----HORIZON-CL3-2027-01-FCT-01 - ONLINE HARMS DETECTION AND INVESTIGATION TOOLS USING A SHORT DEVELOPMENT CYCLE MODEL**

- **Type of action:** IA
  - **Budget (topic, M€):** 8.00 | **# projects:** 1
  - **Scientific summary:** Rapid-cycle **tooling and training** for **online harms** detection/investigation.
  - **Why microfluidics:** **No direct link** (digital forensics).
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**----HORIZON-CL3-2026-01-BM-02 - ACCESSIBLE AND AVAILABLE TRAVEL FACILITATION**

- **Type of action:** IA
  - **Budget (topic, M€):** 8.00 | **# projects:** 2
  - **Scientific summary:** **Seamless, trusted, secure** travel facilitation, **reduced workload** for practitioners; solutions usable across BCPs.
  - **Why microfluidics:** Not aligned (process/UX/biometric systems topic).
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**----HORIZON-CL3-2026-01-SSRI-04 - DEVELOPMENT OF ECOSYSTEM AND NEXT-GENERATION CAPABILITIES FOR A SECURED EUROPEAN CRITICAL COMMUNICATION SYSTEM IN CIVIL SECURITY**

- **Type of action:** IA
  - **Budget (topic, M€):** 3.00 | **# projects:** 1
  - **Scientific summary:** Develop ecosystem and **next-gen capabilities** for a European **critical communication system**.
  - **Why microfluidics:** **Out-of-scope** (communications).
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**Why these are microfluidics's best bets**

- **CBRN-E protective gear (DRS-01-2027), biosecurity (FCT-06-2026), and cargo detection (BM-03-2027)** directly require compact, robust bio/chem sensing, where lab-on-chip excels.
- **Uptake instruments (SSRI, PCP/PPI/IA)** are **mechanisms** to validate, standardize, and **purchase** such microfluidic solutions.
- **DRS/INFRA** topics provide the **operational testbeds** (disaster sites, critical entities) where **microfluidics chips** can prove value (speed, portability, cost).