Horizon Europe Cluster 6 2026-2027

We have sorted the calls for projects from Horizon Europe Cluster 6 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:

2026-01-CIRCBIO-two-stage, 2026-01-BIODIV-two-stage, 2026-01-ZEROPOLLUTION-two-stage: Opening 08 Jan 2026; Deadlines 10 Mar 2026 (Stage 1), 15 Sep 2026 (Stage 2).

2026-03-GOVERNANCE-two-stage, 2027-02-FARM2FORK-two-stage: Opening 08 Jan 2026; Deadlines 12 Mar 2026 (Stage 1), 15 Sep 2026 (Stage 2).

2026-01-BIODIV, 2026-01-CIRCBIO, 2026-01-ZEROPOLLUTION: Opening 08 Jan 2026; Deadline 10 Mar 2026

2026-02-FARM2FORK, 2026-02-CLIMATE, 2026-02-COMMUNITIES: Opening 08 Jan 2026; Deadline 14 April 2026

2026-03-GOVERNANCE: Opening 08 Jan 2026; Deadline 12 Mar 2026

2026-04-GOVERNANCE-01: Opening 25 Aug 2026; Deadline 26 Nov 2026

2027-01-BIODIV, 2027-01-CIRCBIO, 2027-01-ZEROPOLLUTION, 2027-02-FARM2FORK, 2027-02-CLIMATE, 2027-02-COMMUNITIES, 2027-03-GOVERNANCE: Opening 26 Nov 2026; Deadline 09 Mar 2027

2027-01-BIODIV-two-stage, 2027-01-CIRCBIO-two-stage, 2027-02-FARM2FORK-two-stage, 2027-02-CLIMATE-two-stage: Opening 26 Nov 2026; Deadlines 09 Mar 2027 (Stage 1), 14 Sep 2027 (Stage 2).

TOPICS WITH Microfluidics RELEVANCE ≥ 50% (sorted by decreasing relevance)

***** **HORIZON-CL6-2027-02-FARM2FORK-07 - TOWARDS COMMERCIALIZATION OF FOOD SYSTEMS MICROBIOME SOLUTIONS**

- **Type of action:** IA
- **Budget (M€):** 17.50; **Expected EU contribution/project (M€):** 8.75; **# projects:** 2
- **Scientific focus:** Push promising microbiome-based solutions along the last translational mile: pilot manufacturing, validation in operational environments, regulatory and safety dossiers, consumer/market readiness, and integration in food value chains. Prioritizes demonstrators that reduce environmental footprint and improve resilience/health aspects of food systems.
- **Why microfluidics matters:**
    - **High-throughput screening and optimization** of microbial consortia in **droplet microfluidics** to accelerate strain/consortium selection and formulation robustness.
    - **Miniaturized bioprocess development** (parallelized micro-bioreactors) to de-risk scale-up and map design space (pH, oxygen, feed strategies) under industry-relevant conditions.
    - **On-chip analytics** (metabolites, viscosity, rheology, live/dead, biofilm propensity) to compress iteration times from weeks to days.
    - **Regulatory-aligned QC** workflows (sterility, contamination, batch consistency) using lab-on-chip methods that can port to GMP environments.
    - **Encapsulation/micro-delivery** formats (e.g., microgels) to stabilize live microbes or post-biotics in real matrices.

***** **HORIZON-CL6-2026-02-FARM2FORK-11 - INTEGRATING A HOLISTIC PERSPECTIVE IN MICROBIOME RESEARCH FOR RESILIENT, COMPETITIVE AND SUSTAINABLE FOOD SYSTEMS**

- **Type of action:** RIA
- **Budget (M€):** 13.50; **Expected/project:** 6.00-7.00; **# projects:** 2
- **Scientific focus:** Advance integrative microbiome science across the food system (soil-plant-animal-human interfaces), bringing together multi-omics, longitudinal field studies, and system-level modelling to derive actionable interventions for resilience, competitiveness, and

sustainability. Emphasis on harmonized methods, data interoperability, and translation across sectors.

- **Why microfluidics matters:**
    - **Single-cell & droplet-based culturomics** to access uncultured taxa and quantify interaction networks.
    - **Lab-on-chip perturbation platforms** to test diet, stressors, or agrochemical exposures on complex communities.
    - **Ultra-low-volume library prep** and **on-chip sample handling** reduce bias/costs for metagenomics/metabolomics.
    - **Standardization**: microfluidics can contribute interoperable on-chip SOPs and reference materials for cross-study comparability.

****** HORIZON-CL6-2026-01-BIODIV-03 - DEVELOPING METHODS TO ASSESS THE PRESENCE, FUNCTIONS, AND SENSITIVITY OF GROUNDWATER ECOSYSTEMS**

- **Type of action:** RIA
- **Budget (M€):** 10.00; **Expected/project:** ~5.00; **# projects:** 2
- **Scientific focus:** Develop robust methodologies to detect and characterize **groundwater biota and functions**, link ecological status to pressures, and build **risk indicators** and sensitivity thresholds to inform policy. Includes method harmonisation and integration in monitoring frameworks.
- **Why microfluidics matters:**
    - **In-situ and portable chips** for **eDNA/eRNA capture**, pre-concentration and qPCR/CRISPR-based detection from low-biomass samples.
    - **On-chip micro-ecosystem assays** to probe functional responses (e.g., redox cycling, nutrient turnover) under controlled gradients mimicking aquifer conditions.
    - **Droplet & digital assays** for sensitive quantification of rare taxa and AMR genes.

****** HORIZON-CL6-2026-01-ZEROPOLLUTION-01-TWO-STAGE - DECONTAMINATE AND BIOREMEDIATE AQUATIC POLLUTION**

- **Type of action:** RIA
- **Budget (M€):** 23.00; **Expected/project:** 7.00-8.00; **# projects:** 3
- **Scientific focus:** Deliver **effective solutions - especially life-science/biotech-based - to bioremediate and decontaminate** marine, freshwater, and **groundwater** pollution, focusing on **PFAS**, **antimicrobials,** and **microplastics**; integrate **effect-based** and **high-resolution** monitoring and demonstrate pollutant pathways to guide management actions.
- **Why microfluidics matters:**
    - **High-throughput screening** of strains/enzymes/sorbents against PFAS & CECs in droplet reactors.
    - **Chip-integrated effect-based assays** (cell-on-chip, organ-on-chip) to quantify toxicity reduction.
    - **Microfluidic fractionation** of micro-/nanoplastics and **on-chip sensors** for in-line monitoring during pilots.

****** HORIZON-CL6-2026-01-CIRCBIO-07 - ADVANCING THE EUROPEAN BIO-BASED INNOVATION ENABLED BY BIOTECHNOLOGY AND BIOMANUFACTURING CONCEPTS**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 4.00; **# projects:** 3
- **Scientific focus:** Develop next-gen **biomanufacturing concepts** (strain engineering, continuous bioprocesses, modular units), with attention to productivity, robustness, standardization, and sustainability metrics in bio-based value chains.
- **Why microfluidics matters:**
    - **µ-bioreactor arrays** for design-build-test-learn at minimal volumes;
    - **On-chip PAT** (optical/impedance/chemistry) for real-time control;
    - **Scaling laws** from chip-to-pilot using microfluidics ’s multiphase/segmented-flow expertise.

****** HORIZON-CL6-2027-02-FARM2FORK-03 - MICROBIOME FOR LIVESTOCK SUSTAINABILITY AND HEALTH WITHIN A ONE HEALTH APPROACH**

- **Type of action:** RIA
- **Budget (M€):** 13.00; **Expected/project (M€):** 6.50; **# projects:** 2
- **Scientific focus:** Integrate **host–microbiome** knowledge for livestock health, productivity, and reduced emissions/AMR within a One Health frame; combine longitudinal cohorts, multi-omics, and intervention studies.
- **Why microfluidics matters:**
    - **Gastro-intestinal organ-on-chip** to evaluate feed additives/probiotics under realistic shear, pH and mucus conditions.
    - **Single-cell analytics** to map microbial responders and resistance gene mobility.
    - **Rapid on-farm chips** for pathogen/AMR surveillance (sample-to-answer).

****** HORIZON-CL6-2026-01-CIRCBIO-11 - HARNESSING THE UNIQUE PROPERTIES OF MARINE ORGANISMS TO DELIVER SUSTAINABLE BLUE BIO-BASED PRODUCTS**

- **Type of action:** RIA
- **Budget (M€):** 10.00; **Expected/project:** 5.00; **# projects:** 2
- **Scientific focus:** Discover and valorize **marine organisms** for novel bio-based products; upstream discovery to proof-of-concept, with sustainability and standardization aspects.
- **Why microfluidics matters: Droplet-based discovery platforms** for enzyme/metabolite screening, **picolitre culture** of rare marine strains, **on-chip bioassays** for anti-fouling/ antimicrobial/biomaterial properties.

****** HORIZON-CL6-2026-02-FARM2FORK-06 - ADVANCED INNOVATIVE SOLUTIONS FOR IMPROVED COMPETITIVENESS AND SUSTAINABILITY IN CONTROLLED ENVIRONMENT AGRICULTURE (CEA)**

- **Type of action:** IA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2

- **Scientific focus:** Demonstrate **advanced CEA** (greenhouses, vertical farming) integrating **sensing, automation, decision support,** and circular resource use to raise efficiency and cut inputs/emissions. Emphasizes interoperability and robust business cases.
- **Why microfluidics matters:**
    - **Microfluidic nutrient dosing & analysis** loops for hydroponics/aeroponics;
    - **Lab-on-chip plant phenotyping** (phytohormones, nutrient status, pathogens) for closed-loop control;
    - **µ-reactors** for on-site biostimulant production/conditioning.

*** **HORIZON-CL6-2027-01-BIODIV-06 - HEALTH OF ECOSYSTEMS AND WILD SPECIES, PREDICTIONS AND IMPACTS ON HUMAN HEALTH**

- **Type of action:** RIA
- **Budget (M€):** 14.00; **Expected/project:** 7.00; **# projects:** 2
- **Scientific focus:** Link **ecosystem health indicators** and **stressors** to **human health** via One Health surveillance, modelling and early-warning, integrating biodiversity, pathogen dynamics and exposure pathways.
- **Why microfluidics matters: Fieldable microfluidic assays** (eDNA/eRNA, vector/pathogen chips), **point-of-use toxin/biomarker sensors**, and **organ-on-chip models** for cross-species risk assessment.

*** **HORIZON-CL6-2026-02-FARM2FORK-02 - TACKLING PESTICIDE RESISTANCE: EARLY DETECTION, MANAGEMENT STRATEGIES, AND FORESIGHT**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Build **early-warning and surveillance** for resistance, develop **integrated management strategies**, modelling, and foresight to prevent resistance spread.
- **Why microfluidics matters: On-chip genotyping** of resistance markers, **rapid phenotyping** of sensitivity in micro-droplets, and **field-portable sample-to-answer** for advisory systems.

*** **HORIZON-CL6-2026-01-ZEROPOLLUTION-03 - DEVELOPING MANAGED AQUIFER RECHARGE TECHNIQUES (MAR) IN A RURAL CONTEXT**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Develop and demonstrate **MAR solutions** tailored to rural settings, aligned with CIS guidance, addressing hydrogeology, water quality, design/operation, monitoring, and governance.
- **Why microfluidics matters:**
    - **Porous-media chips** to study clogging, redox fronts, and biofilm dynamics under MAR conditions;
    - **In-situ micro-sensors** for nutrients, metals, and microbial indicators;
    - **On-chip fate/transport assays** for PFAS/CEC attenuation.

*** **HORIZON-CL6-2027-01-CIRCBIO-08 - BIOTECHNOLOGY APPLICATION FOR CCU**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** ~6.00; **# projects:** 2
- **Scientific focus:** Develop **biotechnological CO_2/CO valorization** routes (microbial, enzymatic) with improved yields, productivity, and integrability into industrial ecosystems, including sustainability and techno-economic assessments.
- **Why microfluidics matters: Gas-liquid microreactors** for mass-transfer-limited CCU, screening of acetogens/methanotrophs in droplets, and on-chip **TEA/LCA data streams** via PAT.

** **HORIZON-CL6-2026-02-FARM2FORK-01 - DEVELOPING INNOVATIVE PHYTOSANITARY TREATMENTS FOR REGULATED PLANT PESTS**

- **Type of action:** IA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2

- **Scientific focus:** Pilot **novel phytosanitary treatments** (efficacy, residue, safety), develop **standardized protocols** and demonstration in real supply chains, including regulatory interfaces.
- **Why microfluidics matters: On-chip exposure chambers** for pest/pathogen life-stages, **dose-response** mapping at scale, and **micro-encapsulation** strategies for targeted delivery/reduced residues.

** **HORIZON-CL6-2027-02-FARM2FORK-08 - AI-POWERED FOODOME CHARACTERIZATION**

- **Type of action:** IA
- **Budget (M€):** 8.00; **# projects:** 1
- **Scientific focus:** Build **AI-ready pipelines** for **foodome** (chemical/nutritional/hazard profiles) across real matrices; integrate high-throughput measurement, data fusion, and validation in industry settings.
- **Why microfluidics matters: Front-end sample prep on chip (cleanup, extraction, derivatization), µ-scale separations** feeding MS/NMR, and **inline quality sensors** for factory deployment.

** **HORIZON-CL6-2026-02-FARM2FORK-04 - ACCELERATING THE DEVELOPMENT OF BREEDING TOOLS FOR PERENNIAL CROPS, SPECIFICALLY FRUIT AND NUT TREES**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Develop and integrate **breeding tools** (genotyping, phenotyping, speed breeding) for perennials; address climate resilience, pests, and quality traits with interoperable data and field validation.
- **Why microfluidics matters: Single-pollen/seed assays** on chip, **µ-fluidic phenotyping** (hormone/volatile flux), and **ultra-low input genomics** to accelerate selection cycles.

**** HORIZON-CL6-2026-02-FARM2FORK-13 - BOOSTING PLANT HEALTH AND REDUCING LOSSES ON FARM AND DURING STORAGE FOR SUSTAINABLE GROWTH IN AFRICA (FNSSA)**

- **Type of action:** IA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Demonstrate **practical interventions** that reduce field and storage losses in African contexts (plant health, diagnostics, storage tech, IPM), with capacity-building and local value-chain integration.
- **Why microfluidics matters: Portable microfluidic diagnostics** for pests/ pathogens/ mycotoxins, **low-cost on-chip sensors** for storage conditions (humidity, volatiles), and **micro-encapsulated treatments**.

**** HORIZON-CL6-2027-01-ZEROPOLLUTION-03 - IMPROVE THE CAPACITY TO MONITOR AND REDUCE AIR POLLUTION FROM AGRICULTURE**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Develop and validate **monitoring/mitigation strategies** for agri-air pollution (e.g., NH_3, PM, VOCs), linking **measurement, modelling, and interventions**.
- **Why microfluidics matters: µ-gas sensors & micro-preconcentrators** for NH_3/VOCs, **aerosol-on-chip** characterization, and **sensor fusion** with data models.

**** HORIZON-CL6-2027-02-FARM2FORK-01 - INCREASING THE RESILIENCE OF AGRICULTURE IN WATER- AND NUTRIENT-SCARCE ENVIRONMENTS THROUGH DIGITAL INNOVATIONS**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Deploy **digital sensing/decision tools** to manage scarce water/nutrients; integrate agronomy, remote sensing, and farm-level automation.
- **Why microfluidics matters: Soil-pore-scale chips** to study nutrient transport, **sap-flow micro-sensors**, and **on-chip nutrient monitoring** for precision fertigation.

** **HORIZON-CL6-2027-03-GOVERNANCE-04 - ADVANCING OCEAN OBSERVATION: ENHANCING TECHNOLOGIES AND OBSERVING SYSTEMS DESIGN FOR A SUSTAINABLE FUTURE**

- **Type of action:** RIA
- **Budget (M€):** 15.00; **Expected/project:** 5.00; **# projects:** 3
- **Scientific focus:** Co-design and validate **new ocean observing technologies and system architectures**, improving coverage, interoperability, and sustainability of observing networks.
- **Why microfluidics matters: Lab-on-chip nutrient & pH sensors** for autonomous platforms, **biofouling-resistant micro-analysers**, and compact **micro-samplers**.

** **HORIZON-CL6-2027-01-BIODIV-01 - INTEGRATING REMOTE SENSING AND IN-SITU OBSERVATIONS OF BIODIVERSITY, TOWARDS A FULLY INTEROPERABLE OBSERVATION AND DATA FRAMEWORK**

- **Type of action:** RIA
- **Budget (M€):** 10.00; **Expected/project:** 5.00; **# projects:** 2
- **Scientific focus:** Build **interoperable frameworks** that connect **in-situ** biodiversity observations with **RS** products, enabling indicators and policy-relevant monitoring.
- **Why microfluidics matters:** microfluidics can supply **standardized on-site sampling cartridges** (eDNA/eRNA/chemistry) that dovetail with RS products and data pipelines.

** **HORIZON-CL6-2027-01-BIODIV-02 - TECHNICAL INNOVATION TO PROTECT ECOSYSTEMS AND TO SCALE UP THEIR RESTORATION**

- **Type of action:** IA
- **Budget (M€):** 14.00; **Expected/project:** 7.00; **# projects:** 2
- **Scientific focus:** Demonstrate **restoration technologies at scale** (monitoring, adaptive management, supply-chain tools), with robust ecological and socio-economic KPIs.
- **Why microfluidics matters: In-field micro-assays** for soil/water health and **portable biosensors** to steer restoration actions in near-real time.

** **HORIZON-CL6-2027-02-CLIMATE-02 - TOWARDS THE WATER INFRASTRUCTURES OF THE FUTURE**

- **Type of action:** RIA
- **Budget (M€):** 10.00; **Expected/project:** 5.00; **# projects:** 2
- **Scientific focus:** Design and validate **resilient water infrastructures**, integrating **sensor networks, digital twins, and nature-based options** for droughts/floods/quality.
- **Why microfluidics matters: Networkable micro-analysers** for contaminants/nutrients, and **lab-on-chip early-warning** modules for plant operators.

** **HORIZON-CL6-2027-02-CLIMATE-04 - CARBON FARMING INNOVATION AND SCALE-UP**

- **Type of action:** IA
- **Budget (M€):** 12.00; **Expected/project:** 6.00; **# projects:** 2
- **Scientific focus:** Pilot and scale **carbon-farming practices** with robust MRV, permanence, and economics.
- **Why microfluidics matters: Soil-on-chip** microcosms to quantify carbon stabilization processes and **in-situ microsensors** for soil gases and dissolved organics.

** **HORIZON-CL6-2027-02-CLIMATE-01-TWO-STAGE - OPEN TOPIC: INNOVATIVE SOLUTION FOR THE WATER RESILIENCE STRATEGY**

- **Type of action:** IA
- **Budget (M€):** 10.00; **Expected/project:** 5.00; **# projects:** 2
- **Scientific focus:** Open innovation for **EU Water Resilience Strategy**-deployable tech with measurable resilience gains.
- **Why microfluidics matters: Compact treatment/monitoring modules** (e.g., PFAS pre-concentration + sensor), **micro-scale process intensification** for distributed water systems.

**** HORIZON-CL6-2027-01-ZEROPOLLUTION-01 - REPLACING HAZARDOUS SUBSTANCES IN BIOCIDAL PRODUCTS**

- **Type of action:** RIA
- **Budget (M€):** 12.00; **Expected/project:** 4.00; **# projects:** 3
- **Scientific focus:** Develop **safer, effective alternatives** to hazardous actives in biocides; include mode-of-action evidence and risk/benefit assessments.
- **Why microfluidics matters: High-content micro-bioassays** for efficacy/cytotoxicity, **time-resolved on-chip** kinetics, and **micro-encapsulation** to tune delivery while reducing exposure.

Calls with 49-45% microfluidic relevance

HORIZON-CL6-2026-02-FARM2FORK-07 - STRENGTHENING THE EU PLANT PROTECTION ECOSYSTEM FOR A FUTURE-PROOF AGRICULTURE - 49%

- **Type of action:** CSA
- **Budget (M€):** 3.00, **# projects**: 1
- **Scientific objectives**
  - Build a coordinated EU “plant protection ecosystem” spanning research, policy, and practice.
  - Promote cross-border cooperation, training, and harmonized practices to reduce pesticide use while maintaining yields.
  - Strengthen preparedness and response for plant health crises, including surveillance and risk communication.
  - Ensure multi-actor participation (authorities, researchers, farmers, SMEs) and portability across agro-climatic regions.
- **Why microfluidics could add value**
  - Rapid **on-site diagnostics** for pathogen detection in plant tissues, seeds, or irrigation water.
  - **Droplet microfluidics** to screen biocontrol agents, phage cocktails, or RNA-based actives at high throughput.
  - **Microfluidic aerosolization** for precisely dosed application prototypes, reducing active substance use.

- Field-deployable **microfluidic sensors** to monitor residue, environmental drift, and soil health during trials.
- Interfacing microfluidic data streams with **digital twins** for crop protection strategies.

HORIZON-CL6-2026-01-ZEROPOLLUTION-02 - BIOREMEDIATION OF UKRAINE'S ECOSYSTEMS CONTAMINATED BY CONFLICTS - **49%**

- **Type of action:** IA
- **Budget (M€):** 12.00; **# projects:** 2
- **Scientific objectives**
  - Deploy **biotechnology** and **nature-based solutions** to remediate conflict-induced contamination and restore ecosystem services in Ukraine.
  - Provide communities and authorities with innovative remediation options aligned with the EU's upcoming Life Sciences Strategy and Biotech Act.
  - Contribute to **recovery, circularity**, and environmental upgrading in war-affected areas.
- **Why microfluidics could add value**
  - **Microfluidic environmental assays** to rapidly profile contaminants (heavy metals, explosives residues, fuels, PFAS) in soil/sediment/water on site.
  - High-throughput **screening of microbial consortia/enzymes** for biodegradation; gradient chips to optimize conditions (pH, nutrients, electron acceptors).
  - **Micro-bioreactors** for scale-down testing of bio-stimulation/augmentation, coupled with real-time sensors.
  - **Lab-on-chip toxicity** panels (algae, daphnia surrogates) supporting risk assessment and treatment validation.
  - Portable **flow systems** to pilot in-situ immobilized enzyme/microbe reactors for groundwater or leachate polishing.

HORIZON-CL6-2026-02-FARM2FORK-01-TWO-STAGE - OPEN TOPIC: IMPROVING THE COMPETITIVENESS OF THE AGRICULTURAL SECTOR BY ENHANCING THE EFFICIENT AND SUSTAINABLE USE OF INPUTS - **49%**

- **Type of action**: IA
- **Budget (M€):** 15.00, **Expected/project**: 5.00, **# projects**: 3

- **Why microfluidics could add value**
    - **Soil/leaf nutrient micro-assays** enabling variable-rate fertilization with less input.
    - Real-time **microfluidic nitrate/phosphate sensors** for fertigation optimization.
    - **Microreactor** routes to greener adjuvants/formulations improving uptake with lower dose.
    - On-farm **lab-on-chip** analytics to benchmark input efficiency and crop response.
    - **Embedded microfluidics** in irrigation hardware to meter micro-doses with high precision.

HORIZON-CL6-2027-01-BIODIV-08 - ENHANCING THE COMPETITIVENESS OF ORGANIC CROP BREEDING: FOCUS ON INTERCROPPING ADAPTED VARIETIES - 49%

- **Type of action**: RIA
- **Budget (M€):** 12.00, **Expected/project**: 6.00, **# projects**: 2
- **Scientific objectives**
    - Breed and test **varieties adapted to intercropping** under organic conditions.
    - Generate evidence on yield stability, resilience, and product quality in intercrop systems.
    - Provide tools and protocols for variety evaluation and seed sector uptake.
    - Engage value-chain actors to accelerate adoption and market acceptance.
- **Why microfluidics could add value**
    - **Seed-scale phenotyping** (hormone exudates, root metabolomics) using microfluidic chips.
    - **Rhizosphere-on-chip** devices to study plant-microbe-plant interactions in intercrops.
    - High-throughput **microfluidic screens** for microbial inoculants compatible with organic systems.
    - **Microfluidic imaging** for rapid pathogen detection in organic seed lots.
    - Assay miniaturization reduces cost/time in multi-site breeding pipelines.

HORIZON-CL6-2027-01-CIRCBIO-03 - DEVELOPING NOVEL RECYCLING TECHNOLOGIES FOR COMPLEX PLASTIC MATERIALS APPLYING BIOTECH SOLUTIONS - 49%

- **Type of action**: RIA
- **Budget (M€):** 10.00, **Expected/project**: 5.00, **# projects**: 2
- **Scientific objectives**

  - **Advance biotech routes** (microbes/enzymes) to recycle **multi-material /multilayer/composite plastics**.
  - Address **hazard and SSbD** aspects; propose regulatory assessment updates.
  - Demonstrate at **pilot scale** with full value-chain participation; include LCA/TEA evidence.
- **Why microfluidics could add value**
  - **Droplet microfluidics** to evolve/screen enzyme libraries for hard-to-depolymerize polymers.
  - **Micro-bioreactors** for kinetics, inhibition mapping, and process intensification at low reagent volumes.
  - **Lab-on-chip analytics** enabling rapid feedback into biocatalyst design.
  - **Membrane microreactors** for continuous enzymatic depolymerization trials.

HORIZON-CL6-2027-01-CIRCBIO-09 - INCREASING THE CIRCULARITY OF BIO-BASED SECTOR: UPCYCLING AND RECYCLING FOR HIGHER VALUE AND ENVIRONMENTAL BENEFITS - 49%

- **Type of action**: IA
- **Budget (M€):** 12.00, **Expected/project**: 6.00, **# projects**: 2
- **Scientific objectives**
  - Demonstrate **upcycling and recycling** pathways in bio-based value chains, with robust sustainability and business cases.
  - Map and optimize biomass waste flows; create/strengthen at least **five platforms** connecting suppliers and users.
  - Develop **digital tools** for traceability and a “digital marketplace” for bio-resources; identify regulatory/standardization bottlenecks.
- **Why microfluidics could add value**
  - **Micro-assays** to characterize heterogeneous bio-waste feedstocks (sugars, inhibitors, metals) rapidly.
  - **Screening chips** for enzymes/microbes to upcycle side-streams (lignin valorization).
  - **Integrated micro-LCA sensors** (COD/BOD chips) in pilots to quantify environmental performance.
  - **Flow chemistry microreactors** to prototype mild conversion routes to higher-value molecules.

HORIZON-CL6-2027-02-FARM2FORK-02 - ENHANCING KNOWLEDGE ON FEED ADDITIVES WITH EFFECTS ON GHG MITIGATION AND FEED EFFICIENCY - **49%**

- **Type of action**: RIA
- **Budget (M€):** 12.00, **Expected/project**: 6.00, **# projects**: 2
- **Scientific objectives**
  - Build the **science base** on feed additives that reduce enteric methane / improve feed conversion.
  - Harmonize **measurement protocols**, address safety/efficacy and system impacts, and support regulatory readiness.
- **Why microfluidics could add value**
  - **Rumen-on-chip** or micro-fermentation to quantify methane precursors and additive efficacy at scale.
  - **Microfluidic metabolomics** for host-microbiome-additive interactions.
  - Miniaturized **gas-analysis chips** for rapid CH_4/CO_2 readout in bench tests.
  - **Formulation microreactors** to stabilize actives/encapsulates with controlled release.

HORIZON-CL6-2026-02-FARM2FORK-12 - EXPLORING THE MICROBIOME WORLD TO UNCOVER FOOD SYSTEMS SOLUTIONS - 49 %

- **Type of action** : CSA
- **Budget (M€)**: 2.00, **# projects**: 1
- **Scientific objectives**
  - Coordination action to **aggregate and** translate R&I knowledge on microbiomes for sustainable, healthy, and competitive food systems.
  - Scoping of **expected outcomes**: market access to microbiome solutions, standardized methods for reliable production at scale, and integration with EU policies (Bioeconomy, Biotech & Biomanufacturing, Food 2030).
- **Why microfluidics can help**
  - **High-flow microfluidic platforms** for **the screening of microbial consortia (co-cultures, nutrient/oxygen gradients)** and the staging of microbioindustrial processes.

- **Parallel micro-bioreactors for formulation optimization, robustness, and industrial reproducibility.**
- **Data interoperability:** standardized output formats (growth trajectories, miniaturized models) useful for "standards & policy" work packages.
- **TRL 5-7 demonstrators** combining microfluidic sensors and low-cost omic analyses for field pilots (farms, workshops).

HORIZON-CL6-2026-02-FARM2FORK-01-TWO-STAGE - OPEN TOPIC: IMPROVING THE COMPETITIVENESS OF THE AGRICULTURAL SECTOR BY ENHANCING THE EFFICIENT AND SUSTAINABLE USE OF INPUTS

- **Type of action:** IA.
- **Budget (M€):** 15.00. **Expected/project:** ~5.00. **# projects:** 3.
- **Scientific focus:**
  - Demonstrate, at scale, **prototypes of innovations and farming practices** that reduce and/or optimise inputs (fertilisers, water, PPP, energy).
  - Aim for **high TRL (7-8)** pilots in real-life operations with multi-actor involvement.
  - Include **data, digital, and automation** elements where useful, and ensure pathways to **wide adoption** (business models, advisory support).
  - Allow **financial support to third parties** (FSTP) and follow **blind evaluation** at 1st stage.
- **Why microfluidics could fit:**
  - **Lab-on-chip nutrient and pesticide sensors** for on-farm, real-time input optimization (fertigation, variable-rate spraying).
  - **Micro-bioreactors** for testing bio-inputs (biostimulants/biocontrols) and enabling **dose-response** characterization with tiny sample volumes.
  - **Point-of-use water-quality chips** to close loops in irrigation reuse.
  - Microfluidics can supply **prototype hardware** for pilots and help **industrialize** compact sensing modules.

HORIZON-CL6-2026-02-FARM2FORK-05 - BOOSTING CIRCULARITY AND DIVERSIFICATION STRATEGIES OF TERRESTRIAL LIVESTOCK PRODUCTION SYSTEMS - **48%**

- **Type of action**: RIA
- **Budget (M€):** 13.00, **Expected/project**: 6.50, **# projects**: 2
- **Scientific objectives**
  - Design and validate **circular livestock** models (feed/manure nutrient loops, diversification).
  - Quantify **environmental and socio-economic performance**; multi-actor pilots across regions.
  - Address logistics, digitalization, and decision support for farm/territorial scales.
- **Why microfluidics could add value**
  - **On-farm microfluidic nutrient sensors** (ammonium, nitrate, phosphate, VFAs) guiding valorisation.
  - **Micro-AD on-chip** screening to optimize co-digestion recipes.
  - **Rapid residue/toxin chips** for alternative feeds and side-streams.
  - **Lab-on-chip** health diagnostics supporting resilient, low-input herd management.

HORIZON-CL6-2026-02-FARM2FORK-14 - GREEN TRANSITION FOOD PROCESSING AFRICA - **48%**

- **Type of action**: RIA
- **Budget (M€)**: 10.00, **Expected/project**: 5.00, **# projects**: 2
- **Scientific objectives**
  - Accelerate **green processing** innovations in African food chains with EU-AU cooperation.
  - Improve energy/water efficiency, safety, and nutritional quality; build local capacity.
- **Why microfluidics could add value**
  - **Low-cost lab-on-chip** for pathogen and mycotoxin screening in decentralized settings.
  - **Microreactors** for enzymatic processing (e.g., fortification, allergen reduction) with minimal utilities.
  - **Point-of-process analytics** (pH, sugars, contaminants) enabling leapfrog QC in SMEs.
  - Portable **microfluidic water testing** to safeguard processing water reuse.

HORIZON-CL6-2026-01-CIRCBIO-03 - ADVANCED RECOVERY OF CRITICAL RAW MATERIALS FROM WASTE FROM ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) - **48%**

- **Type of action**: RIA
- **Budget (M€):** 10.00, **Expected/project**: 5.00, **# projects**: 2
- **Scientific objectives**
  - Develop and demonstrate **advanced processes** to identify, separate, and recover **critical raw materials** from WEEE streams.
  - Improve **characterization** of mixed, complex WEEE to enable circularity and industrial uptake.
- **Why microfluidics could add value**
  - **Micro-assays** for selective leaching/solvent extraction screening at ppm-ppb levels.
  - **Lab-on-chip** analytics for rare-earth/precious-metal speciation inline.
  - **Microreactor crystallization/electrowinning** prototypes for high-purity recovery with low reagents.
  - Sensorised **micro-separation** (dielectrophoresis/magnetophoresis) concepts for fine fractions.

HORIZON-CL6-2026-03-GOVERNANCE-05 - COORDINATED EUROPEAN CONTRIBUTION TO WMO GHG WATCH - **45%**

- **Type of action**: CSA
- **Budget (M€):** 7.00, **# projects**: 1
- **Why microfluidics could add value**
  - **Micro-GC/µ-spectroscopy front-ends** for calibration/validation workflows in GHG observations.
  - **Microfluidic sampling** modules improving temporal resolution/portability for in-situ networks.
  - **Chip-level permeation standards** for trace-gas calibration transfer across sites.

HORIZON-CL6-2026-03-GOVERNANCE-08 - BOOSTING DATA AVAILABILITY AND AI SOLUTIONS IN THE FOOD SYSTEM FOR CONSUMERS AND FOOD SERVICES PROFESSIONALS - **45%**

- **Type of action**: IA
- **Budget (M€):** 15.00, **Expected/project**: 5.00, **# projects**: 3
- **Why microfluidics could add value**
  - **Smart packaging micro-sensors** (freshness, spoilage volatiles) feeding AI platforms.
  - **Point-of-sale micro-assays** for allergens or contaminants enabling safer food services.
  - **In-kitchen microfluidic QA** devices generating labelled datasets for AI models.

HORIZON-CL6-2027-02-COMMUNITIES-02 - EMPOWERING LOCAL URBAN FOOD SYSTEMS ENTREPRENEURSHIP AND INNOVATION - **45%**

- **Type of action**: IA
- **Budget (M€):** 12.00, **Expected/project**: 6.00, **# projects**: 2
- **Scientific objectives**
  - Build **local entrepreneurship** capacity for urban food systems; pilot innovation infrastructures.
  - Foster **multi-actor** collaboration and inclusive models; improve sustainability metrics and digital tools.
- **Why microfluidics could add value**
  - **Compact food-safety chips** for shared kitchens, incubators, and micro-SMEs.
  - **Micro-analytics** kits for nutrient/contaminant testing in urban farming (hydroponics/vertical).
  - **Plug-and-play microreactors** for small-batch fermentation/value-added processing.

HORIZON-CL6-2027-01-CIRCBIO-07 - IMPROVING BIOMASS FLOWS FOR A SUSTAINABLE AND CIRCULAR BIOECONOMY - **45%**

- **Type of action**: IA
- **Budget (M€):** 15.00, **Expected/project**: 7.50, **# projects**: 2
- **Scientific objectives**

  - Improve/administer **biomass monitoring & modelling**; estimate supply-demand to 2050.
  - Test the feasibility of **biomass reporting** across ≥10 countries; enable platforms and business models.
  - Link with JRC **Knowledge Centre for Bioeconomy** and relevant initiatives.
- **Why microfluidics could add value**
  - **Rapid compositional chips** for diverse biomass (moisture/sugars/lignin/inhibitors) at collection points.
  - **On-truck micro-assays** enabling quality-based logistics and pricing.
  - **Micro-pilot lines** to assess valorization options before sending streams to hubs.

HORIZON-CL6-2026-01-CIRCBIO-08 - SUPPORTING PRE-NORMATIVE RESEARCH FOR STANDARDIZATION OF THE BIO-BASED PRODUCTS - 45%

- Type of action: **RIA**
- **Budget (M€):** 8.00, **Expected/project**: 4.00, **# projects**: 2
- **Scientific objectives**
  - Generate **measurement methods, reference data, and harmonized protocols** for bio-based products, feeding standards, and SSbD assessments.
- **Why microfluidics could add value**
  - **Standard-ready micro-assays** for biodegradation, migration, and eco-tox endpoints.
  - **Microfluidic reference materials** and inter-lab ring-test kits.
  - **High-throughput chips** characterizing bio-based additives/polymers for standards drafting.

HORIZON-CL6-2027-02-FARM2FORK-05 - ENHANCING FARMERS PROFITABILITY AND RESILIENCE THROUGH INNOVATIONS FOR DIVERSIFIED CROPS AND VALUE CHAINS - 45%

- **Type of action**: IA
- **Budget (M€):** 12.00, **Expected/project**: 6.00, **# projects**: 2
- **Why microfluidics could add value**
  - **On-farm micro-assays** for quality traits enabling new crop contracts (protein, starch, functional fibres).

- **Microreactor demos** for niche ingredients (ferments, biocolours, extracts) supporting SME value chains.
- **Lab-on-chip** safety/quality analytics lowering certification barriers for small producers.

HORIZON-CL6-2027-01-BIODIV-03 - LIVING LABS FOR THE ERADICATION AND/OR MANAGEMENT OF INVASIVE ALIEN SPECIES - 45%

- **Type of action**: RIA
- **Budget (M€):** 27.00, **Expected/project**: 9.00, **# projects**: 3
- **Scientific objectives**
  - Set up **≥3 living labs** (10-20 experimental sites each) to co-develop and test IAS prevention/eradication/management.
  - Cover multiple ecosystem types; ensure robust monitoring, transferable solutions, and business models.
- **Why microfluidics could add value**
  - **Environmental DNA (eDNA)-on-chip** assays for rapid IAS detection in water/soil.
  - **Microfluidic trap sensors** (semiochemicals) for surveillance in living labs.
  - **Toxicity/efficacy chips** to down-select eradication tools with minimal non-target impacts.

HORIZON-CL6-2026-01-BIODIV-02 - UNDERSTANDING AND TACKLING THE DECLINE OF INSECTS - 45 %

- **Type of action** : RIA
- **Budget (M€)**: 13.00, **Expected/project**: 6.50, **# projects**: 2
- **Scientific objectives**
  - Understand **the mechanisms of insect decline** (multiple pressures), structure **surveillance,** and test mitigation measures.
  - Multi-scale approaches combining -**monitoring**, ecology, genomics, and modeling to link pressures, population dynamics, and ecosystem impacts.
- **Why microfluidics can help**
  - **eDNA/eRNA- onchip- ddPCR** microfluidic to detect species/parasites at very low abundance.

- **Microtrapping/analysis** systems (imaging + inertial sorting) for automated pollinator/pest counting.
- **Droplet bioassays (acute/chronic toxicity) for screening mixtures of pollutants and biopesticides.**
- **Miniature environmental sensors** for temperature/humidity/NOx/ozone gradients correlated to local dynamics.

Calls with 44-40% microfluidic relevance

HORIZON-CL6-2026-01-CIRCBIO-09 - BALANCING FOOD SECURITY, BIOECONOMY, CLIMATE AND BIODIVERSITY OBJECTIVES - 40 %

- **Type of action**: RIA
- **Budget (M€):** 12.00 • **Expected/project:** 6.00 • **# projects:** 2
- **Scientific objectives**
  - Develop analytical frameworks and **tools to arbitrate between** food security, bioeconomy objectives, climate, and biodiversity.
  - **Integration of multisource data** and scripting to guide strategies and policies. -
- **Microfluidic input**
  - **Screening of bio-based materials (barriers, coatings)** at the micro scale to quantify durability/performance (permeation, release).
  - **Experimental Micro- LCA**: microreactor benches to quantify yields/emissions at small scale and feed the arbitrage models.
  - **Microfluidic sensors** (water/air quality) for field data that can be integrated into multi-objective models.

HORIZON-CL6-2026-01-BIODIV-07 - BOOSTING AGROBIODIVERSITY FOR FOOD SECURITY AND SUSTAINABLE COMPETITIVENESS - 40 %

- **Type of action** : RIA
- **Budget (M€):** 12.00 • **Expected/project:** 6.00 • **# projects:** 2
- **Objectives**
    - Increase **agrobiodiversity** for resilience, quality, and competitiveness.
    - **Follow-up ecosystem services, sol-microbio-material interactions, adoption by sectors.**
- **Microfluidic input**
    - **Racinaire microbiote on-chip** phenotyping (nutrient flow, exudates) to select varieties/associations.
    - **Rapid diagnostics** (plant pathogens, abiotic stress) via portable microfluidic immunoassays.
    - **Screening of bioinputs** (microbial consortia) in multiphase microbioreactors.

HORIZON-CL6-2026-01-CIRCBIO-01 - IMPROVING CIRCULARITY OF MULTILAYER FLEXIBLE PLASTIC FOOD CONTACT PACKAGING - 40 %

- **Type of action** : IA
- **Budget (M€):** 12.00 • **Expected/project:** 6.00 • **# projects:** 2
- **Objectives: Circulation solutions for multilayer** packaging in food contact (separation, recycling, safety, traceability).
- **Microfluidic input**
    - **Microreactor for depolymerization**-controlled solvolysis and kinetic study on multilayer samples.
    - **Micro-separations (membranes/electrowetting) for testing delamination- and de-inking processes**.
    - **Microchannel migration test cells to** assess safety (NIAS, barriers).

HORIZON-CL6-2026-01-BIODIV-02-TWO-STAGE - OPEN TOPIC: UNCOVERING THE CAUSES OF SPECIFIC SPECIES' RAPID DECLINE AND EXPLORING ACTIONABLE SOLUTIONS - 40 %

- **Type of action** : RIA
- **Budget (M€)**: 12.00 • **Expected:** 3.00 • **# projects**: 4
- **Objectives**
    - Open calls **focused on very rapid species decline**: combine observation, diagnosis, experimentation, and operational solutions.
- **microfluidic input**
    - **eDNA/eRNA on-chip, µimmuno-assays,** and µsensors for final monitoring- and multistress exposure experiments.
    - **Organs- on-chip-/ecotoxicologically embodied** to test early life cycle mitigation measures.

HORIZON-CL6-2027-02-FARM2FORK-06 - UNLEASHING THE POTENTIAL OF SUSTAINABLE SMALL-SCALE AQUATIC FOOD PRODUCTION - 40 %

- **Type of action** : IA
- **Budget (M€)**: 12.00 • **Expected:** 6.00 • **# projects**: 2
- **Objectives:**
    - **Practical solutions for small-scale aquaculture:** technical innovation, business models, capacity transfer for implementation.
    - Address **climate impacts**, ecological footprint, animal welfare, ecosystem services.
- **Microfluidic input**
    - **Microfluidic sensors** (oxygen, ammonium, micropollutants) for basins and RAS systems.
    - **Pathogenic lab-on-chip (virus/bacteria) for biosafety in** hatchery/livestock farming.
    - **Online** management (µfluidic loops + IoT) **for water/energy consumption**.

HORIZON-CL6-2027-02-FARM2FORK-09 - AFRICAN UNION - EUROPEAN UNION PARTNERSHIP ON FNSSA - 40 %

- **Type of action** : CSA
- **Budget**: 7.00 • **# projects**: 1
- **Objectives**
    - Strategic **AU- UE FNSSA** coordination**: alignment, roadmaps, capacity building, and** innovation deployment.
- **Microfluidic input**
    - **Field kits (water, contaminants, mycotoxins), robust microfluidic/ low-cost** adapted to African contexts.
    - **Technological transfers** (miniaturized methods, training) **to R&I FNSSA hubs and** living food labs.

HORIZON-CL6-2026-02-FARM2FORK-02-TWO-STAGE - OPEN TOPIC: BOOSTING ORGANIC FARMING FOR A COMPETITIVE, SUSTAINABLE AND RESILIENT FARMING SECTOR - 40 %

- **Type of action:** RIA.
- **Budget (M€):** 12.00. **Expected/project:** 6.00. **# projects:** 2.
- **Scientific focus:**
    - Solutions to **increase performance and resilience** in organic systems (yields, labor efficiency, risk).
    - **Weed and pest management** alternatives, biodiversity-friendly practices, and **valorization of products** (including processing, storage, risk assessment).
    - Strong **knowledge transfer** with AKIS/EIP-AGRI; collaboration with **Agroecology Partnership**; possible **JRC** involvement.
- **Why microfluidics could fit:**
    - **On-farm microbiome/soil health chips** to track biological activity supportive of organic practices.

- **Rapid residue-free diagnostics** (e.g., pathogen detection) to underpin **non-chemical** control decisions.
- **Microencapsulation** (microfluidic emulsification) of bio-inputs for **controlled release** and improved shelf-life.
- Provide **portable analytical kits** for farmer-led trials and living-lab validation.

HORIZON-CL6-2027-02-FARM2FORK-02-TWO-STAGE - OPTIMISING THE WATER-NUTRIENT-ENERGY NEXUS FOR SUSTAINABLE AND CLIMATE SMART AGRICULTURE IN AFRICA (FNSSA) - 40 %

- **Type of action:** RIA.
- **Budget** (M€): 15.00. **Expected/project:** ~5.00. **# projects:** 3.
- **Why Microfluidics could fit:**
  - **Low-cost field kits** for water-quality (nutrients, contaminants) and **soil-nutrient** sensing to balance the nexus.
  - **Energy-frugal, battery/solar-powered LoC devices** suitable for rural African contexts.
  - **Decentralized diagnostics** to support irrigation/fertigation scheduling and reduce losses.

Calls with 39-35% microfluidic relevance

HORIZON-CL6-2026-01-BIODIV-04 - PUSHING THE FRONTIER OF KNOWLEDGE AND CONSERVATION ACTION FOR DEEP SEA ECOSYSTEMS - 35 %

- **Type of action** : RIA
- **Budget (M€)**: 20.0 • **Expected**: 10.00 • **# projects**: 2
- **Objectives**
    - **Mapping** bathy/abyssal habitats, deploying imagery**, acoustics,** genomics, and rapid taxonomy; establish **baselines**, spatiotemporal dynamics, and **cumulative impacts** (climate, noise, uses).
    - Define **EOV/EBV**, indicators/monitoring approaches, and **long-term modeling** for management/mitigation.
- **Microfluidic input**
    - **Very low volume** samples µlabos **embarked (eDNA, nutrients) for benthic platforms/ROV.**
    - **Cytometry-on-chip for microplankton** and long-term chemical (pH, nutrients) sensors.

HORIZON-CL6-2026-01-CIRCBIO-05 - UNDERSTANDING BIOMASS FLOWS IN EUROPE - 35 %

- **Type of action** : RIA
- **Budget (M€):** 6.00 • **Expected:** 3.00 • **# projects:** 2
- **Objectives**
    - **Final mapping** of biomass flows (primary/secondary), harmonization of indicators, and filling in data gaps.
- **Microfluidic input**
    - **Analyses of composition by micro-reactor and µchromatography** to calibrate the flow.
    - **Conversion tests (hydrolysis, fermentation)** in microfluidic reactors for parameters/emissions.

HORIZON-CL6-2027-01-CIRCBIO-04 - CAPACITY BUILDING FOR EXTENDING PRODUCT LIFECYCLES THROUGH REPAIR AND REFURBISHMENT - 35 %

- **Type of action** : RIA
- **Budget (M€):** 10.00 • **Expected:** 5.00 • **# projects:** 2
- **Objectives**
    - Develop solutions/ skills **to extend the lifespan (diagnosis, repair, reconditioning)** and deploy in urban/industrial ecosystems.
- **Microfluidic input**
    - **Non-destructive microfluidic tests (sealing, microchannels, exchangers)** for rapid re-qualification of subsystems.
    - **Design of fluidic modules** (quick couplings, self-detachable surfaces).

HORIZON-CL6-2027-01-CIRCBIO-06 - TOWARDS A EUROPE OF BIOECONOMY PLACES - 35 %

- **Type of action** : RIA
- **Budget (M€):** 12.00 • **Expected:** 6.00 • **# projects:** 2
- **Objectives**
    - Qualify and **network 'Bioeconomy Places' with environmental/social/eco indicators,** increased skills, **and investments.**
- **Microfluidic input**
    - **Territorial demonstrators (water/air/soil) via** microfluidic **sensors** to objectify the "places" indicators.
    - **Micro-bioreactor for local valorization** of bioresources (agro/urban waste).

HORIZON-CL6-2026-04-GOVERNANCE-01 - ADDITIONAL ACTIVITIES FOR THE EUROPEAN PARTNERSHIP OF AGRICULTURE OF DATA - 35 %

- **Type of action**: **COFUND**
- **Budget (M€)**: 60.00 (23.00 M€ in 2026 + 37.00 M€ in 2027) • **# projects:** 1

- **Objectives**
    - **Co-finance additional activities of the EP «Agriculture of Data»,** strengthen interoperability of data and services for agriculture/climate/biodiversity.
- **Microfluidic input**
    - **Sensor data flows (water/soil/air)** from microfluidic platforms to feed the **Agriculture of Data** ecosystem (interoperable).
    - **Use-cases** demonstrating **the value of** granular micromeasurement for MRV, agroecology, and adaptive management.

Calls with 34-30% microfluidic relevance

HORIZON-CL6-2026-02-FARM2FORK-03 - BOOSTING THE COMPETITIVENESS OF PROTEIN CROPS IN EUROPE - 30 %

- **Type of action**: IA
- **Budget:** 12.00 M€ • **Expected:** 6.00 M€ • **# projects:** 2
- **Objective**: strengthen the performance/value chains of **protein** crops (varieties, practices, processing), competitiveness, and sustainability.
- **Microfluidics input:** enzymatic screenings and microfluidic **fractionation** of proteins**, online quality analyses** (antinutrients), microbioreactors for texturing/soft procedures.

HORIZON-CL6-2026-02-FARM2FORK-08 - ADVANCING BASIC KNOWLEDGE & TOOLS FOR SUSTAINABLE MANAGEMENT OF KEY MIGRATORY FISH SPECIES - 30 %

- **Action**: RIA
- **Budget:** 16.00 • **Expected:** 8.00 • **# projects:** 2
- **Objectives**: migration ecology**, multifactor pressures, management tools, and** corridor restoration.
- **Microfluidics input**: **µlabs eDNA- for species detection, water quality sensor,** and bioassay for sublethal effects.

HORIZON-CL6-2026-03-GOVERNANCE-02 - SOCIAL DRIVERS OF SOCIAL SUSTAINABILITY IN AGRICULTURE - 30 %

- **Action**: RIA
- **Budget:** 12.00 • **Expected:** 6.00 • **# projects:** 2
- **Objectives**: understanding the **social factors** (employment, equity, attractiveness) conditioning agricultural social sustainability; policy recommendations.
- **Microfluidics contribution**: **sensor data** (exposure, fluid ergonomics for spraying/doses) as factual inputs to the analysis of working conditions.

HORIZON-CL6-2026-03-GOVERNANCE-03 - ADVANCING THE UN DECADE OF OCEAN SCIENCE CAPACITY & DELIVERING ON THE OCEAN DECADE - 30 %

- **Action**: CSA
- **Budget:** 9.00 • **Expected:** 3.00 • **# projects:** 3
- **Objectives**: **capacity**, coordination, and dissemination for the **Ocean Decade** (EU & international).
- **Microfluidics Contribution**: micro-sensor **kits and shareable open hardware** protocols for coastal/civic observatories.

HORIZON-CL6-2026-03-GOVERNANCE-04 - SUPPORTING THE ALL-ATLANTIC OCEAN R&I ALLIANCE - 30 %

- **Action**: CSA
- **Budget:** 5.00 • **# projects:** 1
- **Objectives**: **AAORIA coordination**, infrastructure/data sharing, scientific diplomacy.
- **Microfluidics contribution**: **data repository for sensors** and standardized microfluidic **modules for transatlantic networks.**

HORIZON-CL6-2026-03-GOVERNANCE-07 - SUPPORTING THE COHERENCE & EFFECTIVENESS OF EU POLICIES ON AGRI-FOOD & BIOECONOMY THROUGH SCIENCE FOR POLICY - 30 %

- **Action**: CSA
- **Budget:** 6.00 • **# projects:** 1
- **Objectives**: science **policy-interface**, syntheses, support for agribio-economy policies.
- **Microfluidics contribution**: case of **sensors/µanalyses for** quantitative proofs that can be integrated into impact evaluations.

HORIZON-CL6-2026-03-GOVERNANCE-09 - MAKING EU DATA FOR BIODIVERSITY, CLIMATE, WATER, FORESTS, SOILS… READILY ACCESSIBLE FOR EVERYDAY DECISION-MAKING - 30 %

- **Action**: CSA
- **Budget:** 8.00 • **Expected:** 4.00 • **#projects:** 2
- **Objectives**: **openness** and usability of EU environmental data.
- **Microfluidics contribution**: data flow from **microfluidic sensors (FAIR formats)** and connectors to dataspaces.

HORIZON-CL6-2026-03-GOVERNANCE-10 - EVIDENCE-INFORMED POLICYMAKING IN A NATURE POSITIVE ECONOMY - 30 %

- **Action**: RIA
- **Budget:** 12.00 • **Expected:** 6.00 • **# projects:** 2
- **Objectives**: methods and evidence for nature-positive policies (indicators, decision-making tools).
- **Microfluidics input**: field indicators (water/air/soil quality) via sensors to **measure the costs/benefits of policy options.**

HORIZON-CL6-2027-02-CLIMATE-03 - STRENGTHENING EVIDENCE-BASED POLICIES FOR RESILIENCE OF EU AGRICULTURE & FORESTRY AND SUPPLY CHAINS AGAINST CRISES - 30 %

- **Action**: RIA
- **Budget:** 12.00 • **Expected:** 6.00 • **# projects:** 2
- **Objectives**: multi-risk evidence, **analyses (climate, shocks)** and measures of resilience of sectors.
- **Microfluidics input**: sensor data for **early-warning (hydric/thermal stress)**, try adaptation practices at microscale.

HORIZON-CL6-2027-01-BIODIV-04 - ACCELERATING THE TRANSITION TO A NATURE POSITIVE ECONOMY: INTEGRATING BIODIVERSITY INTO THE PRIVATE SECTOR - 30 %

- **Action**: RIA
- **Budget:** 14.00 • **Expected:** 7.00 • **# projects:** 2
- **Objectives**: **biodiversity metrics**, data, **incentives, financial** and demonstrator mechanisms for the private sector.
- **Microfluidics input**: measurable **indicators via µanalysis kits (water/air/discharge quality)** that can be integrated into reports (TNFD/CSRD).

HORIZON-CL6-2027-01-BIODIV-05 - LIVING LABS DRIVING TRANSFORMATIVE CHANGE VIA KNOWLEDGE INTEGRATION & INCLUSIVE GOVERNANCE - 30 %

- **Action**: RIA
- **Budget:** 14.00 • **Expected:** 7.00 • **# projects:** 2
- **Objectives**: multi-stakeholder living environments, **knowledge integration and inclusive governance** for transformative changes.
- **Microfluidics contribution**: equipment of microfluidic kits for **sampling/measuring,** and reproducible protocols.

HORIZON-CL6-2027-01-ZEROPOLLUTION-02 - DEVELOPING EFFECTIVE AIR-QUALITY PLANNING STRATEGIES THROUGH INNOVATIVE MULTI-SCALE MODELLING - 30 %

- **Action**: RIA
- **Budget:** 10.00 • **Expected:** 5.00 • **# projects:** 2
- **Objectives**: QA strategies based on innovative multi-scale **modeling and robust data sets**.
- **Microfluidics contribution**: **networks of microfluidic gas/particle sensors** to constrain and validate the models.

HORIZON-CL6-2027-01-ZEROPOLLUTION-04 - EUROPE-WIDE ENVIRONMENTAL BENCHMARKING SYSTEM OF THE INDUSTRIAL BIOECONOMY SECTORS - 30 %

- **Action**: CSA
- **Budget:** 3.00 • **Expected:** 3.00 • **# projects:** 1
- **Objectives**: **pan-European benchmarking framework** for industrial bioeconomy sectors.
- **Microfluidics contribution**: microfluidic pil**ot lines for process benchmarks** (yields/emissions) and traceable test sets.

HORIZON-CL6-2026-01-BIODIV-01 - SCIENCE-POLICY SUPPORT TO THE IMPLEMENTATION OF EU AND GLOBAL BIODIVERSITY POLICIES AND STRATEGIES - 30 %

- **Type of action:** CSA.
- **Budget (M€):** 7.50. **# projects:** 1.
- **Scientific focus:**
    - Provide **evidence synthesis, knowledge brokerage, and policy dialogues** to implement the **EU Biodiversity Strategy 2030** and the **Global Biodiversity Framework**.
    - Map policy needs, **consolidate knowledge**, support **IPBES/MEAs**, and build **capacity** across MS/AC to inform **monitoring, restoration, and protection**.
- **Why microfluidics could fit:**
    - Supply **technical briefs** on the use of **eDNA lab-on-chip** and **field biosensing** for biodiversity monitoring.
    - Demonstrate **standardization pathways** (sampling, QA/QC) that could underpin **policy indicators**.
    - Contribute to **capacity-building modules** (training kits, best-practice protocols) for regulators and observatories.

HORIZON-CL6-2026-01-BIODIV-03-TWO-STAGE - MAINSTREAMING, AND SCALING-UP EVIDENCE-BASED, AND NATURE-BASED SOLUTIONS TOWARDS A NATURE-POSITIVE AND CLIMATE-RESILIENT ECONOMY - 30 %

- **Type of action:** RIA.
- **Budget (M€):** 21.00. **Expected/project:** ~7.00. **# projects:** 3
- **Scientific focus:**
    - **Demonstrate and scale** NBS that deliver **biodiversity, climate adaptation/mitigation,** and socioeconomic value.
    - Build **replicable business models**, financing schemes, and governance tools for NBS uptake in regions/cities/sectors.
    - Generate **evidence frameworks** and **impact metrics** to mainstream NBS into infrastructure, land-use, and corporate decision-making.
- **Why Microfluidics could fit:**
    - **In-situ water/soil quality chips** to quantify NBS performance (nutrients, particulates, toxins) at fine spatiotemporal scales.
    - **Portable eDNA assays** to track biodiversity gains from NBS interventions.
    - Supply **sensor modules** for **living labs** evaluating NBS in real environments.

HORIZON-CL6-2027-01-BIODIV-01-TWO-STAGE - UNLOCKING THE POTENTIAL OF CITIZEN ACTION FOR NATURE PROTECTION AND RESTORATION - 30 %

- **Type of action:** RIA.
- **Budget (M€):** 11.00. **Expected/project:** ~5.50. **# projects:** 2
- **Why Microfluidics could fit:**
    - **Citizen-science kits** (simple microfluidic cassettes/readers) for **water quality** and **eDNA** sampling.
    - **Low-cost consumables** and **training** to underpin robust, **standardized data** streams from volunteers.

HORIZON-CL6-2026-03-GOVERNANCE-01-TWO-STAGE - OPEN TOPIC: DEVELOP EARTH INTELLIGENCE SOLUTIONS WITH OBSERVATIONS AND STATE-OF-THE-ART AI FOR SUSTAINABLE COMPETITIVENESS AND POLICY MAKING - 30 %

- **Type of action:** RIA. **Budget (M€):** 12.00. **Expected/project:** ~6.00. **# projects:** 2
- **Scientific focus:**
    - Build an **EO Science Service** to insert the best EO science into policy; **prototype last-mile policy applications** leveraging Copernicus.
    - Address policy use-cases (obligations, certification, official statistics, compliance); contribute to **KCEO Roadmap**.
- **Why Microfluidics could fit:**
    - Provide **reference environmental sensor datasets** (from microfluidic platforms) that can **ground-truth EO products**.
    - Contribute **open hardware interfaces** to **data assimilation chains** (lab/field measurements ↔ EO).

HORIZON-CL6-2027-02-FARM2FORK-04 - IMPROVING UNDERSTANDING OF THE CONTRIBUTION OF ORGANIC FARMING TO SUSTAINABILITY (CSA) - 30 %

- **Type of action:** CSA.
- **Budget (M€):** 3.00. **# projects:** 1
- **Why Microfluidics could fit:**
    - Contribute **evidence reviews** and **method notes** on rapid soil/food analytics to **quantify sustainability outcomes**.
    - **Standards contributions** for low-cost sensors in monitoring frameworks.

Calls with 29-20% microfluidic relevance

HORIZON-CL6-2026-01-CIRCBIO-06 - BIOECONOMY POLICY SUPPORT HUB FOR MEMBER STATES, REGIONS AND SECTORS - 25 %

- **Action:** CSA
- **Budget:** 3.00 • **Expected:** 3.00 • **# projects:** 1
- **Objectives: policy hub for** support to States/Regions/Sectors (advice, data, practices).
- **Microfluidics contribution**: techno-**economic and feedback on microfluidic/biobased processes** to shed light on regulation and standardization.

HORIZON-CL6-2026-01-CIRCBIO-10 - BIO-BASED INNOVATION IN SOCIETY: SUPPORTING THE SUSTAINABLE WAY OF LIVING - 25 %

- **Action:** RIA
- **Budget:** 12.00 • **Expected:** 4.00 • **# projects:** 3
- **Objectives: societal adoption** of biobased innovations (behaviors, design, urban logistics).
- **Microfluidics contribution:** demonstrators of reusable objects/fluid packaging, proof of use, and impact measurement **(quality/footprint).**

HORIZON-CL6-2026-01-BIODIV-05 - ENSURING CONTINUOUS EFFECTIVENESS OF PROTECTED AREA - 25 %

- **Action:** RIA
- **Budget:** 13.00 • **Expected:** 6.50 • **# projects:** 2
- **Objectives: continued effectiveness** of protected areas in the face of increasing pressures (monitoring, governance, measures).
- **Microfluidics supply: microfluidic field kits** for micronutrients**/eDNA** and quick diagnostics in **isolated areas.**

HORIZON-CL6-2027-01-CIRCBIO-01 - ENHANCING ECODESIGN & CIRCULARITY OF CONSUMER ELECTRONICS - 25 %

- **Action:** IA
- **Budget:** 10.00 • **Expected:** 5.00 • **# projects:** 2
- **Objectives: ecodesign EEE products** (durable, repairable, recyclable).
- **Microfluidics contribution**: **cooling/fluidic management expertise** and **microchannel integrity tests onboards/assemblies.**

HORIZON-CL6-2026-01-CIRCBIO-01-TWO-STAGE - DEPLOYING CIRCULAR SYSTEMicrofluidics SOLUTIONS THROUGH LIVING LABS IN CITIES AND REGIONS (CIRCULAR CITIES AND REGIONS INITIATIVE TOPIC) - 25 %

- **Type of action:** IA. **Budget (M€):** 10.00. **# projects:** 2.
- **Why Microfluidics could fit:**
    - **Urban waste valorisation pilots** using **microreactors** (e.g., polymer depolymerisation, bioprocess intensification).
    - **Embedded sorting/quality-control** chips in circular manufacturing lines.

HORIZON-CL6-2026-02-COMMUNITIES-01 - BOOSTING SUSTAINABLE COMPETITIVENESS IN RURAL AREAS THROUGH INNOVATION - 25 %

- **Type of action:** RIA. **Budget (M€):** 12.00. **# projects:** 2.
- **Scientific focus:**
    - **Diversify rural economies** via place-based innovation, strengthen local value chains, and support **entrepreneurship**.
    - Tackle **skills, digitalisation, services,** and **ecosystem building**; ensure **replication** across rural territories.
- **Why Microfluidics could fit:**
    - **Local micro-manufacturing** of compact analytical devices as **rural SME** opportunity.

- **Agri-food testing kits** (milk quality, contaminants) enabling **distributed labs** and new services in rural areas.

HORIZON-CL6-2027-01-CIRCBIO-01-TWO-STAGE - DEPLOYING CIRCULAR SYSTEMicrofluidics SOLUTIONS THROUGH LIVING LABS IN CITIES AND REGIONS (CIRCULAR CITIES AND REGIONS INITIATIVE TOPIC) - 25 %

- **Type of action:** IA. **Budget (M€):** 10.00. **Expected/project:** ~5.00. **# projects:** 2.
- **Why Microfluidics could fit:**
  - **Modular micro-processing units** for local circular manufacturing; **QC micro-assays** for recycled feedstocks.

HORIZON-CL6-2027-02-COMMUNITIES-01 - STRENGTHENING RURAL COMMUNITIES' RESILIENCE TO SHOCKS - 25 %

- **Type of action:** RIA. **Budget (M€):** 12.00. **Expected/project:** ~6.00. **# projects:** 2.
- **Why Microfluidics could fit:**
  - **Decentralised testing** (water/food/environment) to **increase preparedness** and response capacity in rural areas.

HORIZON-CL6-2026-01-CIRCBIO-04 - COLLECTION AND SORTING OF TEXTILES FOR REUSE, REPAIR & DIRECT RECYCLING AT CITY/REGIONAL LEVEL - 20 %

- **Action:** IA
- **Budget:** 10.00 • **Expected:** 5.00 • **# projects:** 2
- **Objectives: territorial systems** for direct collection/sorting/repair and **recycling of** textiles.
- **Microfluidics contribution: micro-separation** (fibers/plasticizers/dyes) and **microchannel release tests** to validate processes.

HORIZON-CL6-2026-01-BIODIV-06 - ADVANCING INTEGRATED SCENARIOS & PREDICTION MODELS FOR TRANSITION TO A NATURE-POSITIVE SOCIETY - 20 %

- **Action:** RIA
- **Budget**: 10.00 • **Expected**: 5.00 • **# projects:** 2
- **Objectives: integrated scenarios** and predictive models for **nature-positive trajectories.**
- **Microfluidics input**: provide **high-resolution soil data (water/soil/air)** to calibrate/**validate models.**

HORIZON-CL6-2026-02-CLIMATE-01 - TOWARDS EFFECTIVE, FAIR & COHERENT POLICIES FOR CLIMATE MITIGATION/ADAPTATION IN AGRICULTURE & FORESTRY - 20 %

- **Action:** RIA, **Budget:** 8.00
- **Objectives: analyses/policy** for more effective and **equitable climate action** in agriculture/forestry.
- **Microfluidics input: measurement benchmarks** (GHG flows, agro-emitters) via **minichambers** to **flux-microfluidic sensors.**

HORIZON-CL6-2027-02-CLIMATE-01 - GOVERNANCE, SUSTAINABLE DEVELOPMENT & INTERNATIONAL POLITICS OF A FUTURE ICE-FREE ARCTIC - 20 %

- **Action:** RIA
- **Budget:** 16.00 • **Expected:** 8.00 • **# projects:** 2
- **Objectives: governance & politics** of an ice-free Arctic; implications for the EU and partners.
- **Microfluidics contribution: microfluidic sensors** resistant to cold for observation and **time series useful for governance aspects.**

HORIZON-CL6-2027-02-CLIMATE-05 - ADVANCED KNOWLEDGE OF ANTARCTIC ECOSYSTEMS & CONSEQUENCES ON MARINE CARBON CYCLE - 20 %

- **Action:** RIA
- **Budget:** 24.00 • **Expected:** 12.00 • **# projects:** 2
- **Objectives**: functioning of **Antarctic ecosystems** and marine carbon cycle.
- **Microfluidics input: µsensors** and **autonomous samplers** for cold seas.

HORIZON-CL6-2026-02-FARM2FORK-09 - SUSTAINABLE & HEALTHY DIETS FOR CVD PREVENTION WITH DIGITAL APPLICATIONS - 20 %

- **Action:** RIA
- **Budget:** 12.00 • **Expected:** 6.00 • **# projects:** 2
- **Objectives: digital applications** and **nutrition for cardiovascular prevention** (behaviors, monitoring).
- **Microfluidics contribution:** microfluidic patches (sweat) and **non-invasive biosensors coupled with health nutrition apps.**

HORIZON-CL6-2027-01-CIRCBIO-02 - ENHANCING ECODESIGN & CIRCULARITY OF CONSTRUCTION PRODUCTS - 20 %

- **Action:** IA
- **Budget:** 10.00 • **Expected:** 5.00 • **# projects:** 2
- **Objectives:** ecodesign and circularity of construction **products** (materials, disassembly).
- **Microfluidics contribution: permeation/transport measurements in porous materials using microfluidics,** leak-tightness NDT controls**.**

HORIZON-CL6-2027-01-BIODIV-07 - FOSTERING COMMON FARMLAND BIRDS & MAMMALS FOR RESILIENT FOOD PRODUCTION SYSTEMS - 20 %

- **Action:** RIA
- **Budget:** 12.00 • **Expected:** 6.00 • **# projects:** 2
- **Objectives**: agricultural practices **favorably suited to lowland birds/mammals (ecosystem services).**
- **Microfluidics input: sensors** (water/air) coupled with biological observations and eDNA kits for **species monitoring.**

HORIZON-CL6-2026-01-CIRCBIO-02 - ADVANCING RECYCLING TECHNOLOGIES FOR MIXED POST-CONSUMER TEXTILES WASTE FROM BLENDED PRODUCTS - 20 %

- **Type of action:** IA. **Budget (M€):** 12.00. **Expected/project:** 6.00. **# projects:** 2.
- **Why Microfluidics could fit:**
    - **Microreactors** for **polymer solvolysis/enzymatic depolymerization** screening and process intensification.
    - **Microfluidic sorting/identification** of fibre blends via rapid solvent/thermal micro-tests to steer **closed-loop** flows.

HORIZON-CL6-2026-01-CIRCBIO-02-TWO-STAGE - OPEN TOPIC: USING THE CIRCULAR CITIES AND REGIONS INITIATIVE TO STRENGTHEN URBAN MANUFACTURING IN SUPPORT OF THE CLEAN INDUSTRIAL DEAL - 20 %

- **Type of action:** IA. **Budget (M€):** 20.00. **Expected/project:** 6.00-8.00. **# projects:** 3.
- **Why Microfluidics could fit:**
    - **Urban micro-factories** for **chemical/bioprocessing** in compact, safe reactors; **QC at line-speed** with micro-assays.

HORIZON-CL6-2026-03-GOVERNANCE-06 - A SERVICES & BUSINESS INCUBATOR FOR GEOSPATIAL OPEN-SOURCE DEVELOPMENTS - 20 %

- **Type of action:** CSA. **Budget (M€):** 6.50. **# projects:** 1.
- **Scientific focus:**
    - Establish a **single-entry hub** to **incubate geospatial open-source** (GDAL, QGIS, Pangeo, etc.), strengthen **software sovereignty** and **business models**.
    - Provide **market analysis**, mentoring, governance/licensing guidance, and **cascading funding** to OS projects.
- **Why Microfluidics could fit:**
    - Contribute **open hardware + geospatial pipelines** (sensor → map) from **field devices** to **open EO stacks**.
    - Participate as an **industrial mentor** for open hardware + software sustainability.

HORIZON-CL6-2027-01-CIRCBIO-02-TWO-STAGE - OPEN TOPIC: USING THE CIRCULAR CITIES AND REGIONS INITIATIVE TO STRENGTHEN URBAN MANUFACTURING IN SUPPORT OF THE CLEAN INDUSTRIAL DEAL - 20 %

- **Type of action:** IA. **Budget (M€):** 20.00. **Expected/project:** 6.00-8.00. **# projects:** 3.
- **Why Microfluidics could fit:**
    - Similar to 2026 counterpart: **compact circular processing** modules and **in-line micro-assays** for **urban manufacturing**.

HORIZON-CL6-2027-01-CIRCBIO-05 - INNOVATIVE CIRCULAR SOLUTIONS FOR END-OF-LIFE FOOTWEAR THROUGH COLLECTION, SORTING AND RECYCLING - 20 %

- **Type of action:** RIA. **Budget (M€):** 10.00. **Expected/project:** 5.00. **# projects:** 2.
- **Scientific focus:**
    - Develop **collection/sorting** systems and **recycling technologies** tailored to **footwear compositions**; generate **quality feedstocks** and business cases.

- **Why Microfluidics could fit:**
    - **Rapid material ID** chips (polymer/plasticizer/filler) to **classify footwear** fractions.
    - **Microreactor screening** for **depolymerization/solvent systems**; **sensorised QA** for recycled outputs.

HORIZON-CL6-2026-01-ZEROPOLLUTION-01 - TOWARD A COMPREHENSIVE ASSESSMENT OF THE DISTURBANCE OF MARINE ECOSYSTEMS BY ANTHROPOGENIC UNDERWATER NOISE - 10 %

- **Type of action:** RIA. **Budget (M€):** 10.00. **# projects:** 1.
- **Why Microfluidics could fit:**
    - Niche: **acoustofluidic biosensors** to study **noise-induced stress** at micro-organism level; **micro-sampling** for biochemical markers.

HORIZON-CL6-2026-03-GOVERNANCE-01 - ADDITIONAL ACTIVITIES FOR THE SUSTAINABLE BLUE ECONOMY PARTNERSHIP (SBEP) - 10 %

- **Type of action:** COFUND. **Budget (M€):** 22.00 (2026) + 16.00 (2027). **# projects:** 1.
- **Why Microfluidics could fit:**
    - **Peripheral**: contributions via **marine sensing** modules to downstream SBEP-funded calls, not the cofund action itself.

HORIZON-CL6-2027-01-CIRCBIO-10 - STRENGTHENING FOREST RESEARCH FOR THE SUPPORT OF UKRAINE - 10 %

- **Type of action:** RIA. **Budget (M€):** 6.00. **# projects:** 1.
- **Why Microfluidics could fit:**
    - **On-site pathogen detection** (forest pests, xylem pathogens) via **portable LoC**, useful for rapid surveillance and resilience.

HORIZON-CL6-2026-02-FARM2FORK-10 - SUSTAINABLE AND HEALTHY DIETS BASED ON HEALTH STATUS AND SOCIO-ECONOMicrofluidics RISK FACTORS OF AGEING POPULATION (CSA) - 10 %

- **Type of action:** CSA. **Budget (M€):** 2.00. **# projects:** 1.
- **Scientific focus:**
    - Develop **dietary recommendations**, **prevention campaigns,** and **post-recovery programmes** for older people; guide to MS/AC institutions.
- **Why Microfluidics could fit:**
    - Limited: contribute **rapid nutrient/biomarker test know-how** to evidence-gathering; **not R&D-heavy** for MIC.