Partner Search Form
Horizon Europe
Health

Date	11.10.2026.	Deadline	

CONTACT

Organisation	Mibyte	**Department**	N/A
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Country	Croatia		

Organisation type

Research organisation type	☐ Research Organisation ☐ University x Company ☐ Other	**Is your company a Small and Medium Sized Enterprise (SME*)?** **Number of employees: 1 (owner)**	x YES ☐ NO

Your enterprise is an SME if:
- it is engaged in **economic activity**
- it has **less than 250 employees**
- it has either an **annual turnover not exceeding €50M**, **or an balance sheet total not exceeding €43M**
- it is **autonomous**

For the definition of SMEs, look at: http://ec.europa.eu/growth/smes/business-friendly-environment/sme-definition_en

Short introduction of key areas of institute's research:

Mibyte is an independent AI/ML engineering and consulting company based in Vinkovci, Croatia (a widening country), registered on the EU Funding & Tenders Portal as an SME. It is a lean, senior team led by Mislav Jurić, who does the technical work himself. Since its founding three years ago, Mibyte has delivered AI projects for international clients in gaming, healthcare, advertising and enterprise software (Newfire Global Partners, GoodAI and others). Mislav has 6 years of industry experience in AI/ML, holds an MSc in Computer Science from the University of Zagreb (FER), and has co-authored three research publications.

Key areas: large language models and agentic AI, NLP, computer vision, speech recognition and synthesis, and applied machine learning. We cover the whole AI lifecycle, from checking whether AI is the right tool at all, through data preparation, model training and evaluation, to production deployment. In healthcare, this means models that are validated carefully, explainable where it matters, and deployable in privacy-preserving ways, including local deployment of open-source models.

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Former participation in an FP European project?	☐ YES x NO
Project title / Acronym:	N/A
Activities performed:	No completed EU-funded project yet. Submitted a proposal to the AI-BOOST open call for cascade funding, currently under evaluation.

Expertise / Commitment offered

Description of your expertise:

- **LLMs and agentic AI:** fine-tuned open-source LLMs (Llama, Mistral) with QLoRA; built safety, content-filtering and prompt-protection mechanisms for a public-facing LLM product; built AI agents and retrieval-augmented generation systems; evaluation of LLM outputs.
- **NLP:** built and retrained production NLP models under strict validation standards, with differential testing before release; designed datasets with LLM-assisted labelling; cut BERT model inference time by about 50%.
- **Computer vision:** human pose estimation and classification from video, including a system that classifies infants into four risk classes for neurological deviation; segmentation of drone imagery.
- **Speech technology:** speech recognition and text-to-speech, including local deployment.
- **AI feasibility and architecture:** deciding what AI can and cannot do for a given use case, setting realistic timelines, and evaluating AI tools before they are used.

Keywords specifying your expertise: Artificial intelligence; Machine learning; Large language models (LLMs); Predictive modelling and digital biomarkers; Computer vision; Clinical decision support

Commitment offered:

x Research x Demonstration x Training

x Technology x Dissemination x Other: AI/ML technical task leader; open to leading a small technical work package

Interested in participation in project types:			
	x Research & Innovation Action	x Innovation Action	☐ EIC Pathfinder

Work Programme research areas: indicate your interest

Health cluster

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Call topic(s):

- **HORIZON-HLTH-2027-02-TOOL-01-two-stage:** Development of predictive biomarkers of disease progression and treatment response by using AI methodologies for chronic non-communicable diseases.
  Possible contribution: ML models for predicting disease progression and treatment response from clinical, imaging and video data, including digital biomarkers, with strict validation and explainable outputs.
- **HORIZON-HLTH-2027-03-TOOL-08:** Towards the next generation of frontier Artificial Intelligence models for healthcare.
  Possible contribution: fine-tuning, evaluation and benchmarking of open-source LLMs and other foundation models on medical data; safety guardrails; local, privacy-preserving deployment.
- **HORIZON-HLTH-2027-03-TOOL-04:** Virtual Human Twins (VHTs) for integrated clinical decision support in prevention and diagnosis.
  Possible contribution: ML components for prediction and risk scoring inside the twin, data pipelines that combine different data sources, and evaluation of model outputs used for clinical decision support.
- **HORIZON-HLTH-2027-02-DISEASE-01-two-stage:** Innovative healthcare interventions for non-communicable diseases.
  Possible contribution: AI components of the intervention, such as risk prediction, patient-facing LLM and speech tools with safety guardrails, and analysis of intervention outcome data.

We are also open to other Cluster 1 topics with an AI/ML component; the topics above are of particular interest.

Do you have other partners for this topic (which partners/country)?	Not yet. Looking to join an existing consortium as a technical partner.

Profile of partner sought

Role	☐ technology development	☐ research	☐ training
	☐ dissemination	☐ demonstration	☐ other _____
Country /region	x Any		
Expertise required	Coordinators or consortia (universities, research institutes, hospitals) looking for an AI/ML technical partner.		

I agree with the publication of my contact data: x YES ☐ NO