Seeking European Partner for AI-Based VR Therapeutic Walking Platform (Eurostars/ITEA 4)

Summary

Profile type	Company's country	POD reference
Research & Development Request	**Netherlands**	**RDRNL20251125008**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	**• World**
Contact Person	**Term of validity**	**Last update**
Enrico FRANZIN	**25 Nov 2025** **25 Nov 2026**	**25 Nov 2025**

General Information

Short summary

A Dutch company developing therapeutic walking systems is seeking a European R&D partner (SME, research organisation or university) with expertise in AI, generative modelling or immersive VR environments. The aim is to jointly submit a project under Eurostars or ITEA 4 to co-develop “Moving to Health”: a generative-AI powered VR system for therapeutic treadmill walking and an AI-driven psychological expertise platform.

Full description

The “Moving to Health” concept combines VR, AI and clinical psychology to support patients in therapeutic walking sessions. The system integrates a treadmill, sensors and a VR headset (and/or monitor), enabling immersive and controlled therapeutic environments.

Next R&D steps include:

VR Spatial Worlds for Therapeutic Walks – AI-generated, customisable 3D/VR environments. Psychologists can tailor these worlds via prompt-based workflows (adjusting environment type, stimuli, difficulty, pacing, visuals and sounds) to match individual therapeutic goals.

AI-driven Expertise Platform for Psychology/Therapy – AI system encapsulating decades of clinical psychology

oriented digital therapeutic solutions.

The consortium will submit under Eurostars or ITEA 4, with the lead organisation providing the prototype, therapeutic framework, and clinical methodology, seeking partners to co-develop the AI and VR modules.

Prototype available; ready for further R&D and integration of AI/VR modules.

Advantages and innovations

Proven concept with validated case-stories of patients available.
Combines VR immersion and AI-driven therapy personalisation for enhanced outcomes.
Builds on an existing prototype (treadmill + sensors + VR headset) and proven track record.
Embeds clinical expertise and reasoning patterns into an AI platform for therapists and patients.
Strong potential for commercial deployment in digital health and rehabilitation markets.

Technical specification or expertise sought

The ideal partner has:
Expertise in AI / Machine Learning, preferably in generative AI, procedural content generation, or 3D/VR world creation.
Experience in healthcare, digital therapeutics, or psychology/psychiatry-related applications.
Capabilities in immersive system development and user-customisation tools.
Interest in joint R&D project development under Eurostars or ITEA 4.

Stage of development

Available for demonstration

Sustainable Development goals

• Goal 3: Good Health and Well-being

IPR Status

IPR granted

IPR Notes

Partner Sought

Expected role of the partner

The partner will contribute to the co-development of the technological components of the "Moving to Health" therapeutic walking platform. Key responsibilities include:

AI and Machine Learning Development

Development of generative AI modules for adaptive VR environments, including procedural world generation, personalised therapeutic scenarios, and real-time adjustment of environmental stimuli based on patient behaviour.

Gen-AI driven VR and 3D Environment Creation
Creation of immersive virtual worlds, patient-safe locomotion methods, and configurable environmental assets that can be modified by clinicians through prompt-based workflows.

System Integration and Architecture
Integration of AI models, sensor inputs and VR modules with the existing prototype, which includes a treadmill, sensors and a VR headset.

Clinical Workflow and User Experience
Support in translating psychological methodologies into user-friendly tools and interfaces that therapists and patients can use in therapeutic sessions.

Validation and Testing
Participation in lab trials, user testing and, where appropriate, clinical pilot studies to validate therapeutic effectiveness.

Proposal Development
Active contribution to the preparation of the ITEA4/Eurostars proposal, including the definition of work packages, technical descriptions and exploitation plans.

The partner should be interested in long-term collaboration and co-commercialisation of digital therapeutic products and rehabilitation technologies.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **University**
- **SME <=10**
- **SME 50 - 249**
- **Other**
- **Big company**
- **R&D Institution**
- **SME 11-49**

Call Details

Framework program

Eureka

Call title and identifier

Moving to Mental Health: a gamechanger in Mental Health care

Submission and evaluation scheme

Two-stage submission procedure consisting of a Project Outline followed by a Full Project Proposal. Evaluation is based on innovation level, technical excellence, expected impact and the quality of the consortium.

Anticipated project budget

1,500,000 - 2,500,000

Coordinator required

Yes

Deadline for EoI

30 Jun 2026

Deadline of the call

30 Sep 2026

Project duration in weeks

104

Web link to the call

Project title and acronym

Moving To Health

Dissemination

Technology keywords

- **01003016 - Simulation**
- **01003015 - Knowledge Management, Process Management**
- **01004001 - Applications for Health**
- **01003003 - Artificial Intelligence (AI)**

Market keywords

- **05001001 - Diagnostic services**
- **05007006 - Computer-aided diagnosis and therapy**
- **05004005 - Diagnostic equipment**
- **05003001 - Therapeutic services**

Targeted countries

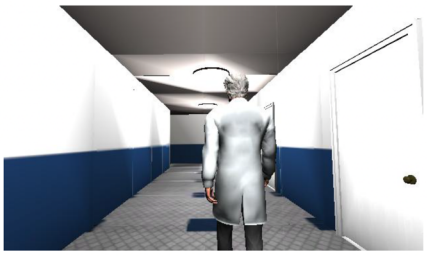
- **World**

Sector groups involved

- **Digital**
- **Health**

Media

Images



[Treatment with specific scenery](#)

[Neutral scene and beach](#)

[Neutral scene forest](#)

[Fatal accident, truck and biker](#)

[Fatal accident collision cars](#)

Videos

[The VirtuWalk](#)