Searching an ICT/AI GERMAN SME for a partner replacement in an ALREADY AWARDED EUROSTARS PROJECT in digital healthcare on lung nodule diagnostics

Summary

Profile type	Company's country	POD reference
Technology request	**Italy**	**TRIT20250710033**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	**• Germany**
Contact Person	**Term of validity**	**Last update**
Enrico FRANZIN	**11 Jul 2025** **11 Jul 2026**	**11 Jul 2025**

General Information

Short summary

A DIGITAL HEALTH PROJECT HAS BEEN AWARDED IN EUROSTARS CALL DEADLINE 12 SEPTEMBER 2024. The partnership was composed by an Italian digital health sme, a german institute and a german ICT/AI sme.
Due to administrative reasons, the german sme must be replaced by another german ICT/AI sme.
The Project is about diagnosing cardio-respiratory anomalies with a new approach that involves several technology levels, IT infrastructure and AI components.

Full description

Cardiorespiratory analysis is key for lung anomaly detection and increase efficacy of treatment. The ALREADY AWARDED EUROSTARS PROJECT is about delivering diagnostics and prognostics, by developing specific algorithmics for tracking and classifying morpho-functional anomalies. Such approach is novel and involves several algorithmic levels that need to be refined and orchestrated, in conjunction with specialized hardware with its own technological requirements. The AWARDED EUROSTARS PROJECT counts already two partners that develop the basic platform usable for data acquisition, analysis and testing but the project needs a NEW GERMAN SME with a specific IT profile with experience in the healthcare sector. The partner will be focusing on infrastructural design, integration and testing specific AI modules, scaling, telemetry and load balancing for a web-based application to be deployed in public or private clouds, with a focus on high performance. The AWARDED EUROSTARS PROJECT falls

within the large effort to provide AI-based automated tools for cardiorespiratory diagnosis and monitoring that requires a substantial leap in innovation to screen large volumes of subjects, at the same time, by minimizing diagnostic errors and unnecessary CT scans.

Advantages and innovations

The AWARDED EUROSTARS PROJECT falls within the large effort to provide AI-based automated tools for cardiorespiratory diagnosis and monitoring that requires a substantial leap in innovation to screen large volumes of subjects, at the same time, by minimizing diagnostic errors and unnecessary CT scans.

Technical specification or expertise sought

The NEW GERMAN SME must have expertise in clinical deployment, preferably in AI for medical imaging analysis, in software development with focus on orchestrating AI components and high-performance computing and in building the IT infrastructure on public or private clouds.

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 NEW GERMAN SME will take care of the following tasks: infrastructure design and software engineering (designing the project's reference architecture, developing an operational infrastructure for seamless information flow between services and creating a common Data Exchange Model and API); integrating advanced neural network models for medical image segmentations and functional analysis from medical images; integration of feature engineering for surgery and intraoperative guidance; scaling, telemetry and load balancing.

Type of partnership

Type and size of the partner

Research and development cooperation agreement

- **SME 50 - 249**
- **SME <=10**
- **SME 11-49**

Dissemination

Technology keywords

- **01003003 - Artificial Intelligence (AI)**
- **01001002 - Digital Systems, Digital Representation**
- **01003024 - Cloud Technologies**
- **01003012 - Imaging, Image Processing, Pattern Recognition**
- **01003008 - Data Processing / Data Interchange, Middleware**

Market keywords

- **05001001 - Diagnostic services**
- **05002002 - CAT scanning**
- **02007012 - Medical/health software**
- **02007016 - Artificial intelligence related software**
- **05005007 - Pulmonary medicine**

Targeted countries

- **Germany**

Sector groups involved

Media

Images

doctors-using-transparent-tablet-with-hologram-medical-technology-650x650.png