



Ministry of Science and Higher Education
Republic of Poland

Co-financed by the project of Minister of Science and Higher Education "Industry Contact Points for the Horizon Europe Research and Innovation Framework Programme"



Industry
Contact
Point
Medical
Technologies
and Health



Industry
Contact
Point
Digital
Transformation



Industry
Contact
Point
Industry 4.0

LOWER
SILESIA



DOLNY
ŚLĄSK

STUDY VISIT & MATCHMAKING

Digital hospital

Please wait

Slide about organization (1 slide)



One of the largest hospitals in Poland.

180,000 hospitalizations per year

5,500 employees

2,000 nurses

1,100 specialists

500 residents

6,000 students

Participation in international projects: InterReg, Norwegian Funds, Horizon, Regional EU projects



Our research support asset



- Clinical trial support center.
- Early phase research center
- Over ongoing 500 Phase II-III trials.
- Analytical skills using PowerBI.
- Data warehouse.
- Advanced innovation and analytics department.
- AI usage for data analytics



Calls of interest



- HORIZON-HLTH-2026-01-CARE-03
- HORIZON-HLTH-2026-01-CARE-01
- HORIZON-HLTH-2026-01-DISEASE-15
- HORIZON-CL4-2027-04-DIGITAL-EMERGING-04
- HORIZON-CL4-2027-04-DATA-08

Project idea



Next-Gen Healthcare: Bridging AI Innovation and Clinical Excellence

Strategic Project Goals

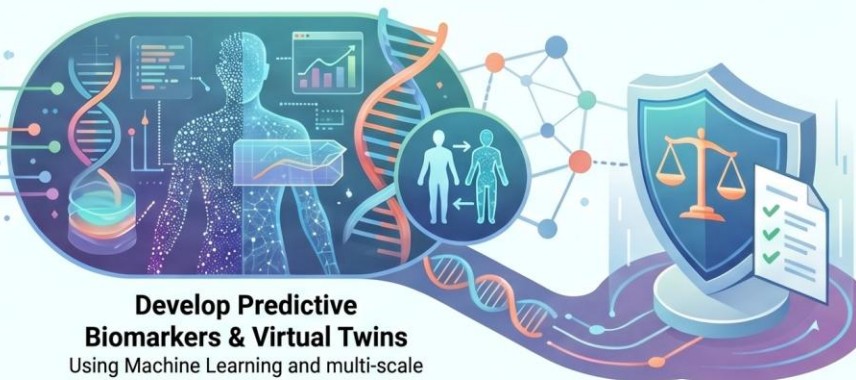
Establish Hospital-Based AI Testbeds

Creating hubs in hospitals that utilize Real-World Data (RWD) for local clinical validation.



Develop Predictive Biomarkers & Virtual Twins

Using Machine Learning and multi-scale digital models to simulate disease progression and response.



Build Regulatory Validation Frameworks

Ensuring all AI-powered clinical tools comply with AI Act and clinical trial standards.



Who is Needed



Clinical Units & Tech Developers

Partnership between hospitals, research units, and AI startups to bridge the innovation gap.



Data, Ethics, & Regulatory Experts

Specialist involvement for data infrastructure, ethical compliance, and Social Sciences and Humanities (SSH).



Authorities & Patient Organizations

Engagement with regional leaders and patient groups to ensure scalability and inclusive care.

NotebookLM

Strategic Roadmap: AI Disease Prediction within Regional Medical Innovation Centers

SWOT analysis for projects integrating regional medical hubs with AI-driven diagnostic technologies, targeting Medical Science Managers, European Policy Advisors, and Health Technology R&I Leads.

STRENGTHS (Internal Advantages)



Rich Data Resources & FAIR Ecosystems

Utilization of the European Health Data Space (EHDS) and adherence to FAIR principles provides a high-quality foundation for training AI models.



Scientific Leadership in Centres of Excellence

A robust network of EU-funded Centres of Excellence provides the necessary infrastructure and expertise to lead global research in advanced therapies and disease modeling.

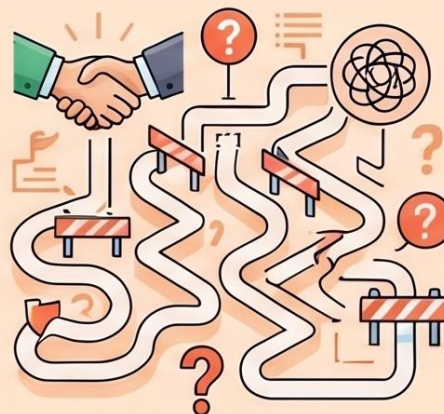


Integrated HTA & R&D Expertise

Deep expertise in Health Technology Assessment (HTA) and Research & Development ensures that innovations are clinically validated and aligned with evidence-informed health policies.



WEAKNESSES (Internal Challenges)



Unclear Cooperation Frameworks

Fragmented regulatory interpretations and lack of standardized protocols for cross-sectoral collaboration can delay the integration of AI tools into clinical workflows.



Administrative & Bureaucratic Hurdles

Complex application processes and rigid reporting requirements within large scale healthcare systems often slow down the pace of innovation.



Fragmented Business Support

Inconsistent management support for startups and SMEs within the innovation ecosystem can lead to a "valley of death" between research results and market entry.

OPPORTUNITIES (External Potential)



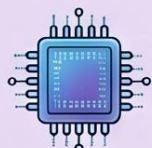
Strong Regional Stakeholder Networks

Existing regional blocclusters and "knowledge hubs" facilitate closer collaboration between healthcare providers, academia, and local industry.



High Scaling & Transferability Potential

AI-driven digital health solutions are designed to be scalable across different Member States, helping to reduce health inequalities across the EU.



Synergy with EU Digital Push

Direct alignment with the "AI Continent Action Plan" and "Digital Europe Programme" offers access to high-performance computing (AI Factories) and specialized data infrastructures.



THREATS (External Risks)



Complex Legal & Tax Environment

Navigating the interplay between the AI Act, GDPR, and medical device regulations presents significant compliance risks and legal costs.



Critical Gaps in VC Funding

A lack of robust venture capital (VC) and private investment in the later stages of development threatens the commercial exploitation of breakthrough innovations.



Strategic Dependency & Global Competition

Intense global competition in the ATMP and AI sectors may lead to an increased reliance on non-EU imports if the domestic industry cannot scale fast enough.

Contact

Guidelines for participants



UCK Gdańsk

Hospital

Dariusz Szplit

Uck.pl



Kontakt:

dszplit@uck.gda.pl





Ministry of Science and Higher Education
Republic of Poland

Co-financed by the project of Minister of Science and Higher Education "Industry Contact
Points for the Horizon Europe Research and Innovation Framework Programme"



Industry
Contact
Point
Medical
Technologies
and Health



Industry
Contact
Point
Digital
Transformation



Industry
Contact
Point
Industry 4.0

LOWER
SILESIA



DOLNY
ŚLĄSK

Thank you

Digital hospital

Please wait