

HNN3.0 Pitching session

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Horizon Europe Health&SSH Brokerage Event



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Project: 101057279 - HNN3.0

5 June 2023 Pitching Session



Lab. for Automation & Systems - LAS





Value Chain





From Concept To Solution

Step-up the development of solutions for companies



Idea







Projects

Prototyping

- · Needs screening & KOL validation powered by needs-led innovation method
- · Ideation of potential solutions to address the unmet need by codesign approaches
- Technology innovation pathway support
- Fundraising and business support

- · Development of proof of concept and MVP, including systems design, architecture and application development using cutting-edge domains of:
- Emhedded Al
- IoT
- Robotics
- · "Works Like, Looks Like, Made Like" prototypes

Proof of Feasibility and Value

- · Technical feasibility assessment
- · Usability tests, focusing on user experience and functionality feedback
- Field testing in clinical settings
- · Early-stage health technology assessment

Services

Regulation for **Medical Devices**

- Global regulatory requirements (CE) marking, ANVISA, FDA and UK processes)
- · Support in the UDI process and registration in the EUDAMED platform
- Implementation of the new European Regulation EU 2017/745 and EU 2017/746
- · Risk and Quality Management systems
- Specialised professional training
- · Gap analysis (cybersecurity, requirements, design and development process and risk management)



ROSE

Robot Sensing Tele-Ecography



Tele ultrasound system (from central hospitals to any remote location).

Compatible with any Radiology Information System.



Remote ultrasound scans performed by robots are now a reality

















Advanced Natural Interaction Assistant

Is a ICT-based solution to support cognitive and physical vitality training at home.

Case study:

It provides 100+ games grouped by their respective cognitive domain. Allows remote training programs that includes physical training in the patient's living environment.

Main features:

- Virtual interactive assistant
- Smart device with supporting sensors
- Dual-task training exercises
- Web-based cognitive exercises

#DedicatedNetwork #DualTaskTraining #TeleRehabilitation



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Horizon Europe - Calls

HEALTH CLUSTER - DESTINATION 1. STAYING HEALTHY IN A RAPIDLY CHANGING SOCIETY HORIZON-HLTH-2024-STAYHLTH-01-02-two-stage: Towards a holistic support to children and adolescents' health and care provisions in an increasingly digital society

HORIZON-HLTH-2024-STAYHLTH-01-05-two-stage: Personalised prevention of non-communicable diseases - addressing areas of unmet needs using multiple data sources

HEALTH CLUSTER - DESTINATION 2. LIVING AND WORKING IN A HEALTH-PROMOTING ENVIRONMENT

HORIZON-HLTH-2024-ENVHLTH-02-06-two-stage: The role of environmental pollution in non-communicable diseases: air, noise and light and hazardous waste pollution

HEALTH CLUSTER - DESTINATION 3. TACKLING DISEASES AND REDUCING DISEASE BURDEN HORIZON-HLTH-2024-DISEASE-03-08-two-stage: Comparative effectiveness research for healthcare interventions in areas of high public health need

HORIZON-HLTH-2024-DISEASE-03-14-two-stage: Tackling high-burden for patients, under-researched medical conditions

HEALTH CLUSTER - DESTINATION 4. ENSURING ACCESS TO INNOVATIVE, SUSTAINABLE AND HIGH-QUALITY HEALTH CARE

HORIZON-HLTH-2024-CARE-04-04-two-stage: Access to health and care services for people in vulnerable situations

CLUSTER 2 - DESTINATION : INNOVATIVE RESEARCH ON SOCIAL AND ECONOMICS TRANSFORMATIONS

HORIZON-CL2-2024-TRANSFORMATIONS-01-09: The role of social economy in addressing social exclusion, providing quality jobs and greater sustainability



Thank you

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