



CELTIC-NEXT Pitch of the Project Proposal



17th of March 2023, Paris


5G4PHealth

Enhanced **5G**-Powered Platform for **Predictive Preventive Personalized and Participatory Healthcare**



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Teaser

<i>What is the main benefit of the idea/proposal?</i>	<i>What makes the added value?</i>	<i>Why should I participate in the project?</i>						
 <p>ENHANCED 5G-POWERED PLATFORM FOR PREDICTIVE PREVENTIVE PERSONALIZED AND PARTICIPATORY HEALTHCARE</p> <p>Leveraging 5G technology to provide a new era of healthcare that is proactive, personalized, and participatory</p>	<table border="1"><tr><td data-bbox="1249 750 1366 984">Institutions</td><td data-bbox="1382 750 2142 984"><ul style="list-style-type: none">• Support the digitalization shift with systems and infrastructure• Enhanced institution value creation• AI-Driven intelligent systems for process and treatment optimization</td></tr><tr><td data-bbox="1249 994 1366 1228">Clinicians</td><td data-bbox="1382 994 2142 1228"><ul style="list-style-type: none">• Empowered patient-clinician partnership• Improved user experience</td></tr><tr><td data-bbox="1249 1238 1366 1437">Patient</td><td data-bbox="1382 1238 2142 1437"><ul style="list-style-type: none">• Improved health literacy• Pivot to value-based care• Empowered patients as their own health managers</td></tr></table>	Institutions	<ul style="list-style-type: none">• Support the digitalization shift with systems and infrastructure• Enhanced institution value creation• AI-Driven intelligent systems for process and treatment optimization	Clinicians	<ul style="list-style-type: none">• Empowered patient-clinician partnership• Improved user experience	Patient	<ul style="list-style-type: none">• Improved health literacy• Pivot to value-based care• Empowered patients as their own health managers	<p><i>"Because I represent a healthcare provider aiming to test and evaluate a new healthcare paradigm that will allow me to improve my revenue and improve my user/patient satisfaction."</i></p> <ul style="list-style-type: none">• Support the shift to digital P4-based healthcare• Preparing the healthcare of the future
Institutions	<ul style="list-style-type: none">• Support the digitalization shift with systems and infrastructure• Enhanced institution value creation• AI-Driven intelligent systems for process and treatment optimization							
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Organisation Profile

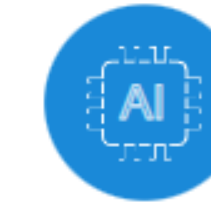


Applied Research and Innovation Department



INDUSTRY 4.0/5.0

IOT Platform | Sensor fusion | Data Acquisition | Digital Twin | Maintenance | Smart Warehouse Management | Lifecycle Management | Production | Robotics integration | Data Standards



AI/ML

User Profiling | Anomaly Detection | Predictive Techniques



Defense and Security

Constructive Simulation | Data Acquisition | SW Development



Software Engineering

Web-based | Mobile App | Specification | Architecture | Development | Testing



Human-machine Interaction

Augmented Reality | User Experience | Context Awareness and Detection | Intelligent Interfaces



EcoEfficiency

Carbon Reduction | Circular Economy | Simulation Energy Efficiency | Industrial Symbiosis | Product Environmental Footprinting



AI solutions, Data Spaces, IoT/IoMT and HMI development, Data and Sensor integration, and Healthcare App development

Sistrade Profile

- SME founded in 2000
- Porto, Portugal
- Management Solutions for Industry and Services (ex: ERP, MES, SCADA, etc)

Sistrade Key Facts

- Present in 7 countries
- Customers in 30+ countries
- +90 people
- ISO 9001 / ISO 27001 / NP 4457 certified

ISO 9001 - Quality Management System (QMS)

ISO 27001 - Information Security Management System (ISMS)

NP 4457 - Management of Research, Development and Innovation (RDI)

Experience in European Projects such as H2020, Eureka, Celtic



Proposal Introduction

Motivation

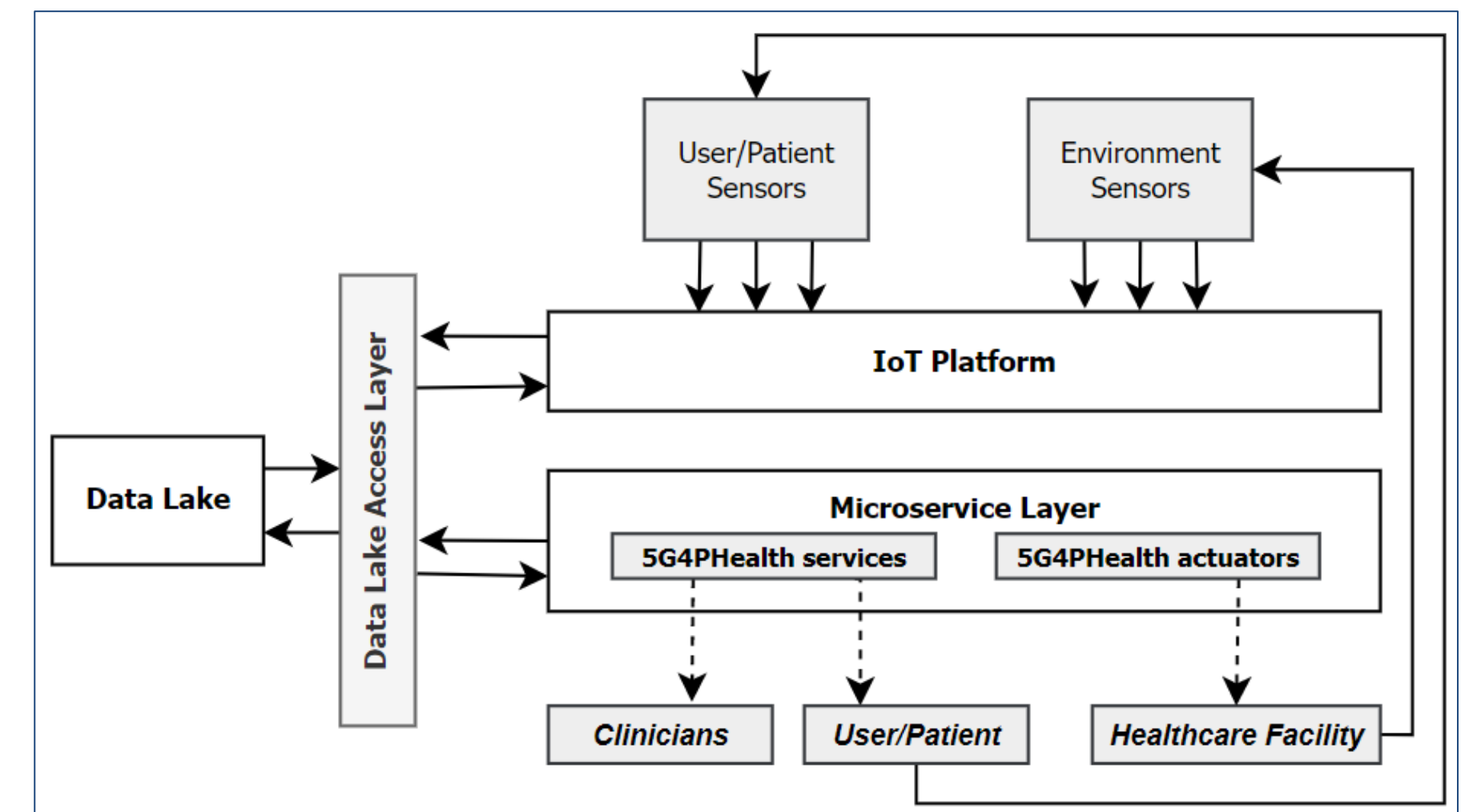
- Improve profitability and efficiency of healthcare services
- Enhance customer-provider relationship
- Tackle current sectorial challenges and seize technological opportunities

Vision

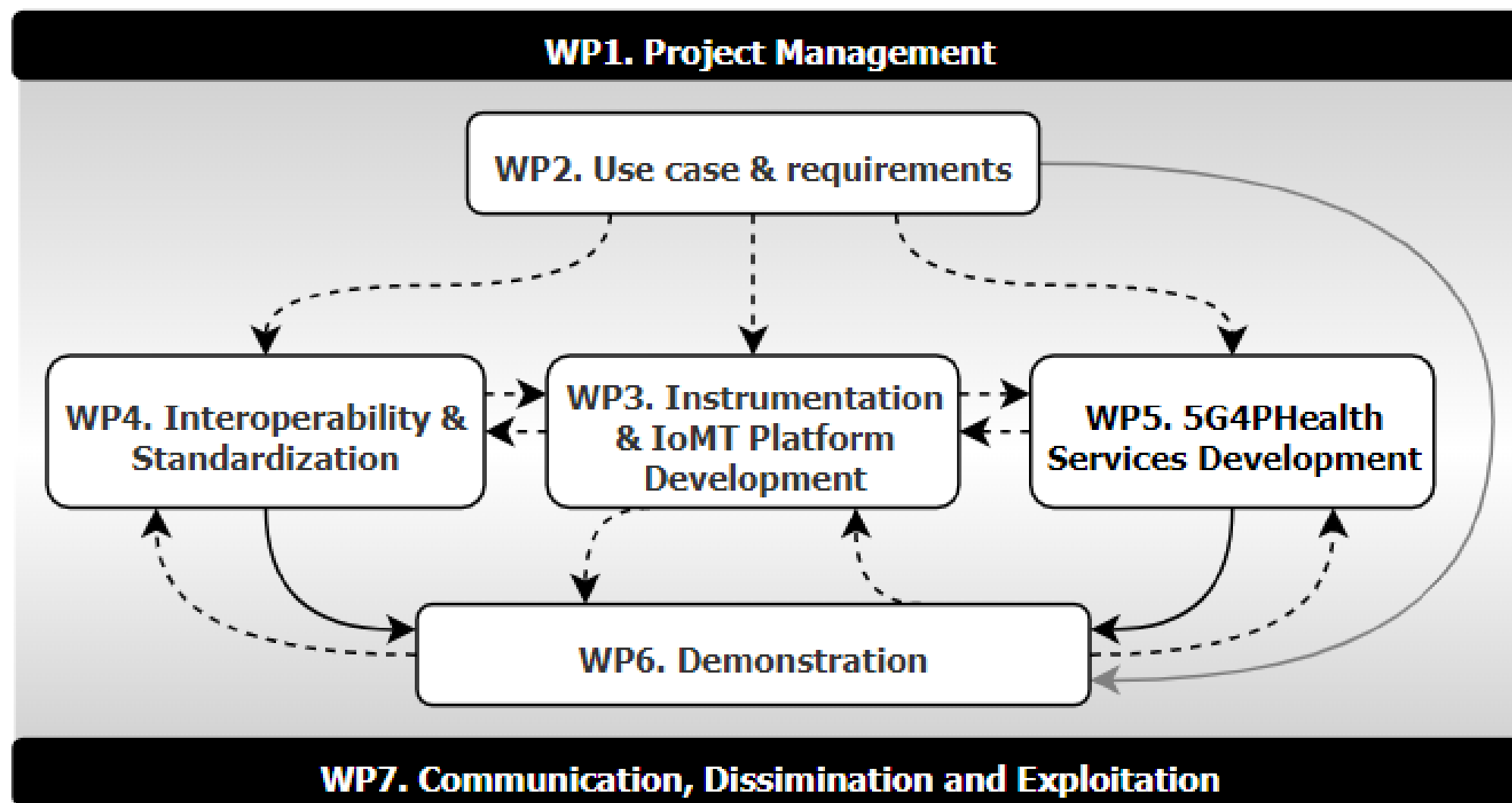
- Improved user-centered connected healthcare fostering patient-clinician collaboration

How

- Improve User/patient experience
- Enable data interoperability
- Leverage data acquisition and exploitation capabilities



Proposal Introduction



Project details

Duration: 36 Months

3 Technical WP

1 Demonstration WP

- *Pilots of different healthcare specialties*
- *Geographically distributed across EU*
- *International interoperability across systems/pilots*

Expected outcome | Development and implementation of a 5G-powered platform that enables P4-based healthcare services across multiple healthcare specialties

Impact | Provide a new era of healthcare services through a patient-centered healthcare paradigm

Partners

Perfect balance:

- *SME-RES-LE-(NGO)*
- *North/South*
- *Cover all needed competences*
- *Some redundancy in critical areas is encouraged*
- *We need to make sure we deliver a great impact*

Partners Needed:

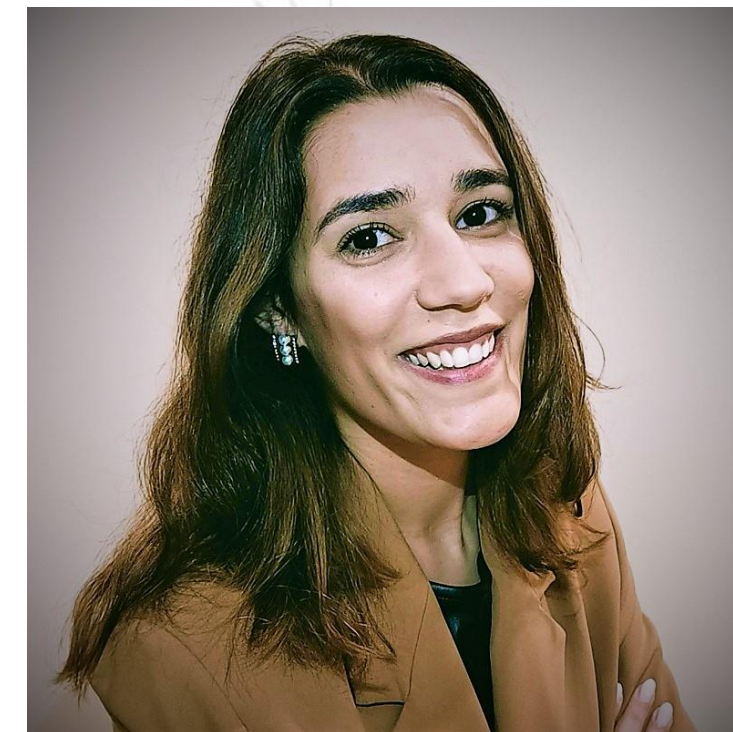
- *Clinics, Hospitals (public and private):*
 - ✓ *Derma*
 - ✓ *Rehabilitation*
 - ✓ *Other healthcare specialties*
- *Partners already involved in EC-driven healthcare data interoperability initiatives*
 - ✓ *European Health Data Spaces (EHDS)*



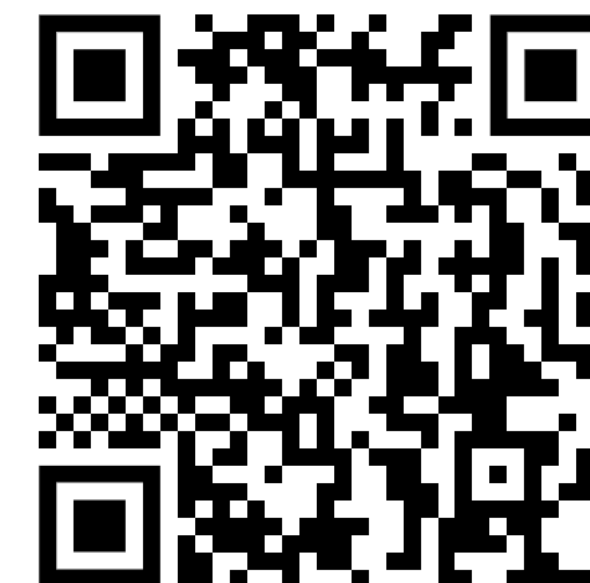
Contact Info

For more information and for interest in participating please contact:

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Presentation available via:



20th March 10 CET

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