

EHMA 2024

Shaping and managing
innovative health ecosystems

The Italian national AI platform to enhance health experience and outcomes

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Politehnica University of Bucharest, Bucharest, Romania

#EHMA2024

Artificial Intelligence Platform

AGENAS as implementing subject of NRRP – 50 mln €

Aims

To facilitate the **diagnosis and treatment activities** of health professionals involved in primary care assistance and to encourage the **use of services** in community health houses by users.

Services and platform will be accessible to **both health professionals and patients**

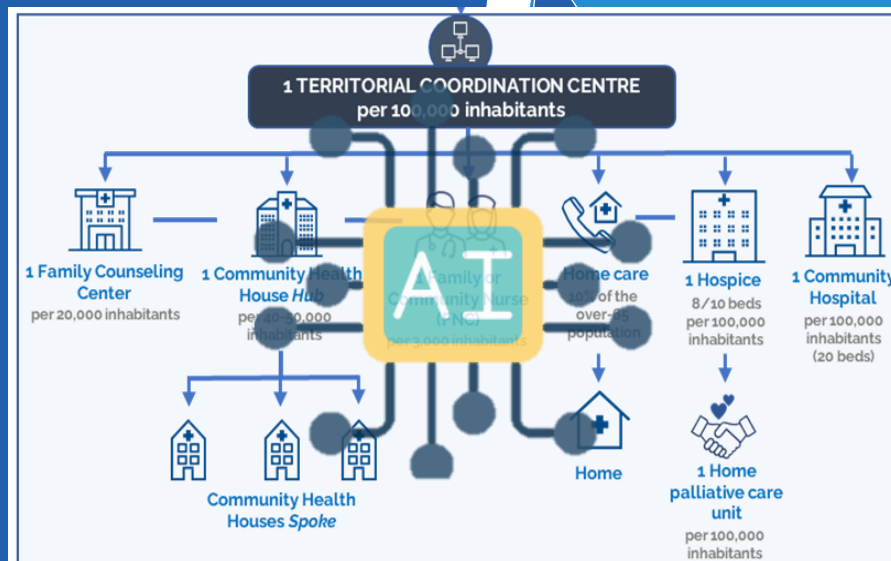
Tendering procedure

Objective of the tender: **designing, realization, implementation and management** of the AI Platform.

Phase 1 Analysis, designing and implementation: detailed designing document

Phase 2 Pilot project: implementation of at least 3 use cases

Phase 3 Implementation and management: full implementation of the use cases, progressive increase of users, corrective and evolutive maintenance



AI Platform: use cases and pilot project

The Platform provides services to healthcare professionals and patients

Use cases

Health professional

Support in basic **diagnostic activities** and subsequent indication of the most appropriate **treatment path** from a personalized medicine perspective

Support for monitoring and re-evaluation of **chronic** patients

Support in **administrative-organizational** routine tasks

Production of a personalized and dynamic **patient profile** based on population stratification criteria

Patient

Production of a personalized and dynamic **patient's card**

Detection of requests, symptoms and risk factors to establish a **communication link** with the healthcare professionals

Pilot project

Implementation of at least 3 use cases on a sample of healthcare professionals, measurement of KPIs to evaluate quality and efficiency and to enhance the functionalities. 12 months duration.

Table. Estimation of users per phase of the project

Phase of the project	Primary care medical doctors	Family or community nurses	Patients
Phase 1 (Analysis, designing and implementation)	-	-	-
Phase 2 (Pilot project)	1.000-1.500	500	
Phase 3 (Implementation and management)	15.000	7.500	22.500.000
Progressive increase of users	40.250	20.125	58.851.000

Challenges and opportunities

Governance and Regulation	Ensuring centralised governance of AI technologies and processes	<ul style="list-style-type: none"> • Coordination between public and private entities to establish guidelines and regulations on the use of AI in healthcare • Establishing control and supervisory bodies to monitor the implementation and effectiveness of AI in healthcare services
	Algorithm certification and validation	<ul style="list-style-type: none"> • Define a process for certification and validation of algorithms to ensure the reliability and security of AI systems used in healthcare
Support to healthcare professionals	Support services for the taking charge of the assisted population	<ul style="list-style-type: none"> • Develop AI systems to analyse clinical data and help healthcare professionals in diagnosis, prognosis and treatment planning for patients
	Supporting daily clinical practice	<ul style="list-style-type: none"> • Realise physician support services with non-binding suggestions based on clinical data analysis and medical research
Access to Health Services	Support services for users to access primary services	<ul style="list-style-type: none"> • Implement AI systems to provide information and support users in accessing primary care services
Innovation and Technological Development	Research and Development	<ul style="list-style-type: none"> • Invest in research and development to produce new AI applications and technologies that can improve the quality, accessibility and efficiency of health services
	Systems Integration	<ul style="list-style-type: none"> • Integrate AI systems with existing healthcare infrastructure, ensuring interoperability and data compatibility to maximise the benefits of AI
	Education and Training	<ul style="list-style-type: none"> • Provide education and training to healthcare professionals and users on the effective, ethical and transparent use of AI



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Thank you

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