Digital Transformation of the European Healthcare sector

HOSMARTAI
AI for the smart hospital of the future

HosmartAI will create a common open integration platform with the necessary tools to facilitate and measure the benefits of integrating **digital technologies (robotics and AI)** in the healthcare system, mainly hospitals and care facilities. HosmartAI´s main goal is to boost a strong, efficient, sustainable and resilient **European healthcare system**.

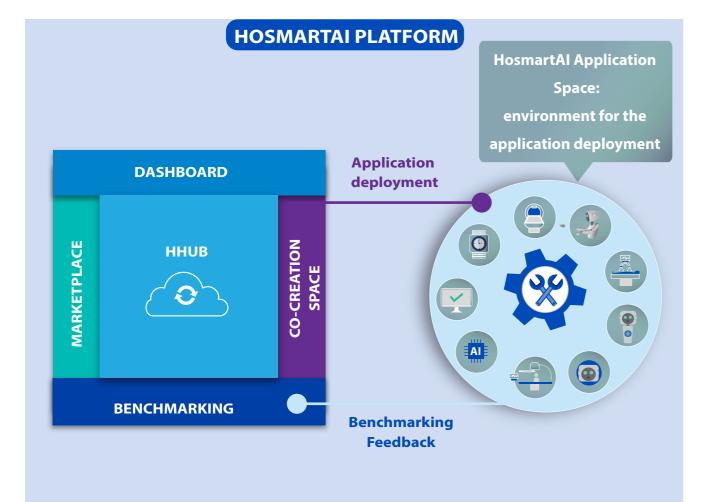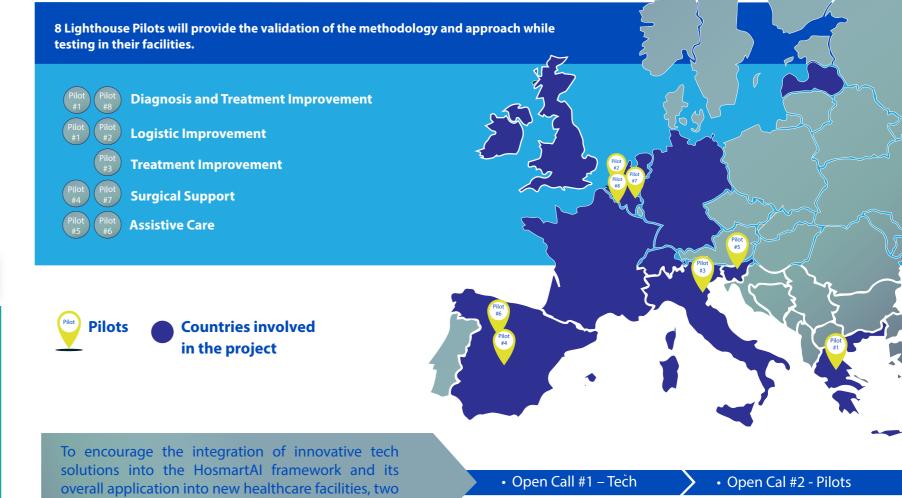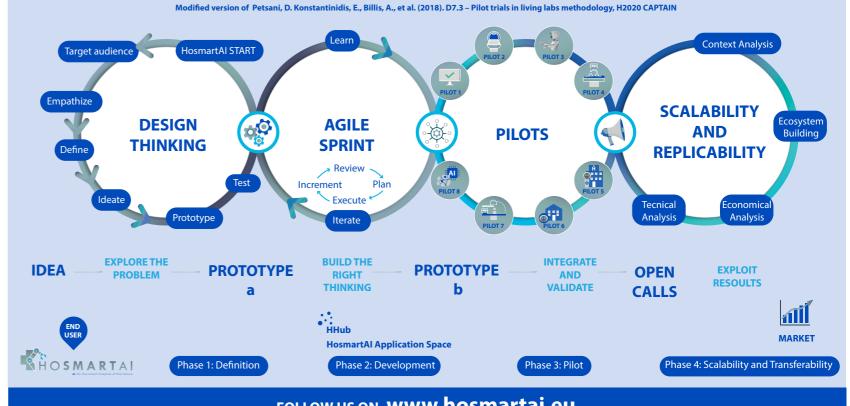| Pre-commercial evaluation	Delivery and deployment	Research
BUSINESS OBJECTIVES:	**TECHNICAL OBJECTIVES:**	**SCIENTIFIC AND INNOVATION OBJECTIVES:**
• Prove the HosmartAI Platform against the pilots • Wide communication and scientific dissemination • Efficient exploitation and business planning • Build ecosystem for SMEs and entrepreneurs in healthcare	• Deliver a holistic healthcare interoperability platform • Offer security, privacy and trust mechanisms • Develop AI-supported tools	• Tackle data interlinking, semantics, improvement, for data interoperability and sharing • Establish benchmarking framework for innovative AI-based systems in healthcare

HOSMARTAI PLATFORM

HosmartAI Application Space: environment for the application deployment

DASHBOARD

MARKETPLACE

HHUB

CO-CREATION SPACE

BENCHMARKING

Application deployment

Benchmarking Feedback

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8 Lighthouse Pilots will provide the validation of the methodology and approach while testing in their facilities.

Pilots		
Pilot #1 / Pilot #8	Diagnosis and Treatment Improvement
Pilot #1 / Pilot #2	Logistic Improvement
Pilot #3	Treatment Improvement
Pilot #4 / Pilot #7	Surgical Support
Pilot #5 / Pilot #6	Assistive Care

Pilots — Countries involved in the project

To encourage the integration of innovative tech solutions into the HosmartAI framework and its overall application into new healthcare facilities, two open calls will be launched:

• Open Call #1 – Tech
• Open Cal #2 - Pilots

Modified version of Petsani, D. Konstantinidis, E., Billis, A., et al. (2018). D7.3 – Pilot trials in living labs methodology, H2020 CAPTAIN

DESIGN THINKING
Target audience — HosmartAI START — Learn — Empathize — Define — Ideate — Prototype — Test

AGILE SPRINT
Review — Increment — Plan — Execute — Iterate

PILOTS
PILOT 1, PILOT 2, PILOT 3, PILOT 4, PILOT 8, PILOT 7, PILOT 6, PILOT 5

SCALABILITY AND REPLICABILITY
Context Analysis — Ecosystem Building — Tecnical Analysis — Economical Analysis

| IDEA | EXPLORE THE PROBLEM | PROTOTYPE a | BUILD THE RIGHT THINKING | PROTOTYPE b | INTEGRATE AND VALIDATE | OPEN CALLS | EXPLOIT RESOULTS |

END USER

HHub HosmartAI Application Space

MARKET

| Phase 1: Definition | Phase 2: Development | Phase 3: Pilot | Phase 4: Scalability and Transferability |

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