

Project Acronym: HosmartAI  
Grant Agreement number: 101016834 (H2020-DT-2020-1 – Innovation Action)  
Project Full Title: Hospital Smart development based on AI



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## DELIVERABLE

### D6.11 - Open Call 2 handbook and proposals evaluation report

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## Executive summary

HosmartAI organised its 2<sup>nd</sup> Open Call to fund the development and implementation of highly innovative and challenging AI pilots, which will become the HosmartAI flagship portfolio of success stories, enlarging the value and outreach of the HosmartAI ecosystem, model and technologies.

This call will finance pilots made of small consortia of 2–3 partners representing at least Technology Providers/integrators (emphasis on the AI and robotics Start-ups/SMEs - innovators) and Technology Adopters (healthcare facilities -end users). Applying consortia were additionally given the option to engage a research centre and/or academia, and or another SME/Start-up taking on the role of a competence centre collaborating in the strategically important area(s) between the innovation and health care industry.

The expected result will be 4 innovative pilots led by European SMEs/Start-ups, demonstrating the value and benefits of HosmartAI technologies in different healthcare environments/entities across Europe.

This deliverable describes the efforts directly linked to the execution of WP6 - Task 6.6 (Open Call Planning and Management) and provides a full set of information regarding the objective, eligibility criteria, evaluation procedure and the programme description of the 2nd Open Call for Pilots, also referred as Open Call #2 – EXPERIMENT.

The documents have been developed to clearly define and explain the conditions and obligations of the Open Call. The Open Call #2 was launched on the 15th of September 2022, 00:00 CET with the deadline for submission set for the 15th of November 2022, at 17:00 CET.

The 2<sup>nd</sup> Open Call evaluation is currently running until the end of January 2023 and the results will be reported in the public deliverable *D6.13 Open Call 2 project and outcome evaluation report*.

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<b>Document History</b>			
<b>Version</b>	<b>Date</b>	<b>Contributor(s)</b>	<b>Description</b>
0.1	2022-08-02	Iwa Stefanik	First draft version
0.2	2022-09-13	Marteyn van Gasteren	Feedback provided to Annex 2 and 7
0.3	2022-10-19	Athanasios Poulakidas	Final feedback provided to Annex 7 – all changes approved.
0.4	2023-01-23	EIT	Internal review
0.5	2023-01-30	F6S	Comments from review incorporated
1.0	2023-01-31	INTRA	Final version for submission

## Definitions, Acronyms and Abbreviations

<b>Acronym/ Abbreviation</b>	<b>Title</b>
<b>AI</b>	Artificial intelligence
<b>CET</b>	Central European Time
<b>Dx</b>	Deliverable (where x defines the deliverable identification number, e.g. D1.1)
<b>EC</b>	European Commission
<b>EU</b>	European Union
<b>FHIR</b>	Fast Healthcare Interoperability Resources
<b>GDP</b>	Gross Domestic Product
<b>GDPR</b>	General Data Protection Regulation
<b>HL7-FHIR</b>	Health Level 7's Fast Healthcare Interoperability Resources
<b>PIC</b>	Participation Identification Code
<b>SME</b>	Small and Medium-sized Enterprise
<b>TRL</b>	Technology Readiness Level

# 1 Introduction

## 1.1 Project information



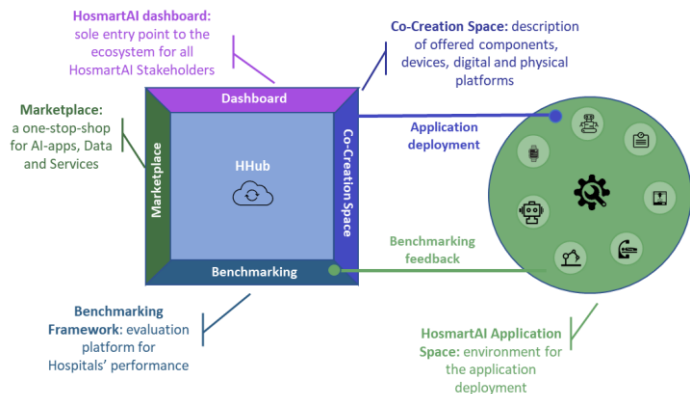
The HosmartAI vision is a strong, efficient, sustainable and resilient European **Healthcare system** benefiting from the capacities to generate impact of the technology European Stakeholders (SMEs, Research centres, Digital Hubs and Universities).



The HosmartAI mission is to guarantee the **integration** of Digital and Robot technologies in new Healthcare environments and the possibility to analyse their benefits by providing an **environment** where digital health care tool providers will be able to design and develop AI solutions as well as a space for the instantiation and deployment of AI solutions.

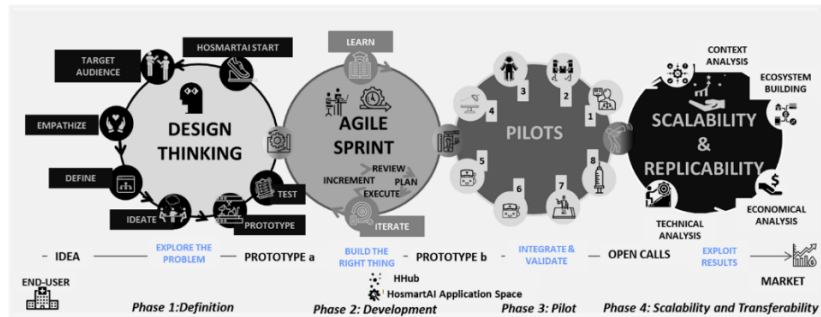
HosmartAI will create a common open Integration **Platform** with the necessary tools to facilitate and measure the benefits of integrating digital technologies (robotics and AI) in the healthcare system.

A central **hub** will offer multifaceted lasting functionalities (Marketplace, Co-creation space, Benchmarking) to healthcare stakeholders, combined with a collection of methods, tools and solutions to integrate and deploy AI-enabled solutions. The **Benchmarking** tool will promote the adoption in new settings, while enabling a meeting place for technology providers and end-users.



**Eight Large-Scale Pilots** will implement and evaluate improvements in medical diagnosis, surgical interventions, prevention and treatment of diseases, and support for rehabilitation and long-term care in several Hospital and care settings. The project will target different **medical** aspects or manifestations such as Cancer (Pilot #1, #2 and #8); Gastrointestinal (GI) disorders (Pilot #1); Cardiovascular diseases (Pilot #1, #4, #5 and #7); Thoracic Disorders (Pilot #5); Neurological diseases (Pilot #3); Elderly Care and Neuropsychological Rehabilitation (Pilot #6); Fetal Growth Restriction (FGR) and Prematurity (Pilot #1).

To ensure a user-centred approach, harmonization in the process (e.g. regarding ethical aspects, standardization, and robustness both from a technical and social and healthcare perspective), the **living lab** methodology will be employed. HosmartAI will identify the appropriate instruments (KPI) that measure efficiency without undermining access or quality of care. Liaison and co-operation activities with relevant stakeholders and **open calls** will enable ecosystem building and industrial clustering.



HosmartAI brings together a **consortium** of leading organizations (3 large enterprises, 8 SMEs, 5 hospitals, 4 universities, 2 research centres and 2 associations – see Table 1) along with several more committed organizations (Letters of Support provided).

Table 1: The HosmartAI consortium.

Number <sup>1</sup>	Name	Short name
1 (CO)	INTRASOFT INTERNATIONAL SA	INTRA
1.1 (TP)	INTRASOFT INTERNATIONAL SA	INTRA-LU
2	PHILIPS MEDICAL SYSTEMS NEDERLAND BV	PHILIPS
3	VIMAR SPA	VIMAR
4	GREEN COMMUNICATIONS SAS	GC
5	TELEMATIC MEDICAL APPLICATIONS EMPORIA KAI ANAPTIXI PROIONTON TILIATRIKIS MONOPROSOPIKI ETAIRIA PERIORISMENIS EYTHINIS	TMA
6	ECLEXYS SAGL	EXYS
7	F6S NETWORK IRELAND LIMITED	F6S
7.1 (TP)	F6S NETWORK LIMITED	F6S-UK
8	PHARMECONS EASY ACCESS LTD	PhE
9	TERAGLOBUS LATVIA SIA	TGLV
10	NINETY ONE GMBH	91
11	EIT HEALTH GERMANY GMBH	EIT
12	UNIVERZITETNI KLINICNI CENTER MARIBOR	UKCM
13	SAN CAMILLO IRCCS SRL	IRCCS
14	SERVICIO MADRILENO DE SALUD	SERMAS
14.1 (TP)	FUNDACION PARA LA INVESTIGACION BIOMEDICA DEL HOSPITAL UNIVERSITARIO LA PAZ	FIBHULP
15	CENTRE HOSPITALIER UNIVERSITAIRE DE LIEGE	CHUL
16	PANEPISTIMIAKO GENIKO NOSOKOMEIO THESSALONIKIS AXEPA	AHEPA
17	VRIJE UNIVERSITEIT BRUSSEL	VUB
18	ARISTOTELIO PANEPISTIMIO THESSALONIKIS	AUTH
19	EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZUERICH	ETHZ
20	UNIVERZA V MARIBORU	UM
21	INSTITUTO TECNOLÓGICO DE CASTILLA Y LEON	ITCL
22	FUNDACION INTRAS	INTRAS

23	ASSOCIATION EUROPEAN FEDERATION FORMEDICAL INFORMATICS	<b>EFMI</b>
24	FEDERATION EUROPEENNE DES HOPITAUX ET DES SOINS DE SANTE	<b>HOPE</b>

## 1.2 Document Scope

This deliverable describes the efforts directly linked to the execution of WP6 - Task 6.6 (Open Call Planning and Management) and provides a full set of information regarding the objective, eligibility criteria, evaluation procedure and the programme description of the 2nd Open Call for Pilots, also referred as Open Call #2 – EXPERIMENT.

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## 1.3 Document Structure

The following documentation, provided as annexes, constitutes the core of this deliverable providing adequate support throughout the Open Call #2 submission process by the third parties:

### **Annex 1      Open Call text**

A summary of the information regarding the Open Call #2 – context of the HosmartAI project, objective of the Open Call, topic and means of communication.

### **Annex 2      Guidelines for Applicants**

The document complements Annex 1 of details like: timeline of the Open Call, eligibility criteria, obligations of applicants, evaluation process, contracting, and dissemination. The Applicant is guided through the document how to apply to the Call.

### **Annex 3      Application form**

An online form that will be available at F6S platform (<https://www.f6s.com/hosmartai-open-call-2-for-pilots/apply>) during the Open Call duration.

#### **Annex 3.1    Description of work**

A mandatory Word document for applicants to prepare and submit a project proposal. It includes different sections: (1) Overview of the proposal, (2) Excellence/Innovation, (3) Impact & Exploitation, (4) Expertise and Excellence of the proposed team, (5) Project Planning and value for money.

**Annex 4 Consortium Declaration of Honour**

A template of the declaration that all conditions related to the HosmartAI Open Call #2 - EXPERIMENT are accepted by an applying consortium composed of minimum two and maximum three partners: Technology Provider (Start-up/ SME legal representative) and Technology Adopter (health care facility).

**Annex 5 SME Declaration**

A template of the declaration to evaluate the status of the SMEs participating in the Open Call 2.

**Annex 6 Bank account information**

A template that collects information on the applicant(s)' bank account where the HosmartAI payments will be sent to.

**Annex 7 Beneficiary Agreement**

A template of the sub-grant agreement that the successful applicants will be requested to sign.