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Project Full Title: Hospital Smart development based on AI



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DELIVERABLE

D6.10 - Open Call 1 handbook and proposal evaluation report

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Executive summary

HosmartAI organises a 1st Open Call to engage innovative tech Startups/SMEs in the design, development, and integration of their technological product/service into the HosmartAI's platform/ecosystem. The objective is to solve particular HosmartAI challenges or bring new technology to be integrated in the HosmartAI platform.

The efforts described in this deliverable are directly linked to the execution of WP6 - Task 6.6 (Open Call Planning and Management), and provides a full set of information regarding the 1st Open Call for Proposals, also referred as Open Call #1 – INNOVATE Tech.

The documents have been developed to clearly define and explain the conditions and obligations of the Open Call. The Open Call #1 will be launched on February 8th 2022 at 00:00 CET with the deadline for submission set to April 8th 2022 at 17:00 CET.

The following documentation constitutes the core of this deliverable providing adequate support throughout the submission process by the third parties:

Annex 1 Open Call text

A summary of the information regarding the Open Call #1 – context of the HosmartAI project, objective of the Open Call, topics and means of communication.

Annex 2 Guidelines for Applicants

The document complementing 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-call1/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 project, (2) Excellence/Innovation, (3) Expertise and Excellence of the proposed team, (4) Project Planning and value for money.

Annex 4 Applicant Declaration of Honour

A template of the declaration that all conditions related to the HosmartAI Open Call #1 - INNOVATE are accepted by a Startup/ SME legal representative.

Annex 5 SME Declaration

A template of the declaration evaluating the status of the SMEs participating in the Open Call 1.

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 Sub-grant Agreement Template

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

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Definitions, Acronyms and Abbreviations

Acronym/ Abbreviation	Title
AI	Artificial intelligence
API	Application Programming Interface
CC-BY	Creative Commons
CET	Central European Time
EC	European Commission
EU	European Union
FHIR	Fast Healthcare Interoperability Resources
GDP	Gross Domestic Product
GDPR	General Data Protection Regulation
GraphQL	Graph Query Language
HapiFHIR	Hapi Fast Healthcare Interoperability Resources
HL7-FHIR	Health Level 7's Fast Healthcare Interoperability Resources
JVM	Java Virtual Machine
PIC	Participation Identification Code
SME	Small and Medium-sized Enterprise
TRL	Technology Readiness Level

Annex 1

Open Call text

OPEN CALL 1

Application submission starts on:
8 February 2022, 00:00 CET

Submission deadline:
8 April 2022, 17:00 CET

www.hosmartai.eu

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Union's Horizon 2020 research and innovation
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1 Introduction

This document provides a brief set of information regarding the first Open Call for Proposals, also referred as **Open Call #1 – INNOVATE Call for Tech**, for the HosmartAI project. All associated Annexes listed in section 3 (Additional information) must be considered for the submission of a Proposal.

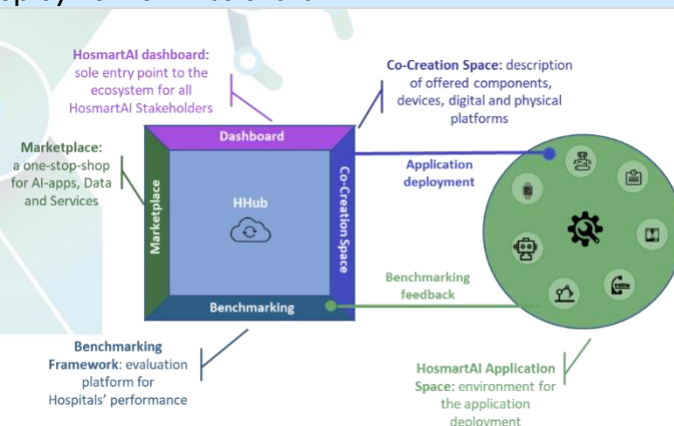
HosmartAI organises this first Open Call to engage innovative tech Startups/SMEs in the **design, development, and integration** of their technological product/service into the HosmartAI's platform/ecosystem. The objective is to solve particular HosmartAI challenges or bring new tech to be integrated in the HosmartAI platform.

1.1 Information on HosmartAI project

 <p>VISION</p>	<p>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).</p>
 <p>MISSION</p>	<p>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.</p>

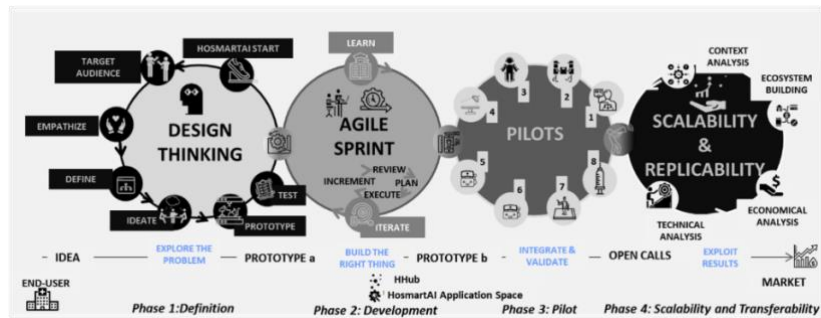
HosmartAI will create a **common open Integration Platform** with the necessary tools to facilitate and measure the benefits of integrating digital technologies (robotics and AI) in the healthcare system.

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 hospitals and care settings. The project will target different medical aspects or manifestations such as cancer; gastrointestinal (GI) disorders; cardiovascular diseases; thoracic disorders; neurological diseases; elderly care and neuropsychological rehabilitation; Fetal Growth Restriction (FGR) and prematurity.

To ensure a user-centred approach, harmonization in the process (e.g. regarding ethical aspects, standardization, and robustness both from a technical, 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. Description of the consortium partners is available at the project website [here](#).

2 Open Call #1 – INNOVATE Call for Tech

2.1 Objectives

The HosmartAI Open Call #1 aims to enlarge a pool of health-interoperable technologies by engaging tech Startups/SMEs (Applicants) with knowledge and expertise about the integration of their solutions in the HosmartAI platform.

The Applicants can do it by solving HosmartAI challenges or bringing new and high-valuable components to be integrated in the HosmartAI ecosystem. Such solutions will enable the expansion of HosmartAI offer, value proposition, technology capacity and the possibility of being adopted by a diversity of health care entities to overcome end-users needs and challenges.

2.2 Main characteristics

- **Open Call timeframe:** from the 8th of February 2022, 00:00 CET to the 8th of April 2022, 17:00 CET
- **Target group:** Startups/SMEs (preferably developing AI-powered technology, but not limited to it)
- **Activities to be funded:** Design (sprint 1), development (sprint 2) and integration (sprint 3) of AI technologies within the HosmartAI ecosystem to ensure a fast pace, quality of the deployment and measurable impact.
- **Duration of Activities:** 6months
- **Funding:** up to €50 000 per applying proposal submitted by a Startup/SME (3rd party). The total grant requested will represent up to 100% of the total costs of the submitted project.
- **How the payment will be made?** The selected 3rd party will be paid against delivering activities submitted in Annex 3.1 Description of work. Each project will develop an implementation plan including milestones and deliverables, and a cost estimate justifying the costs and resources in relation to the implementation plan. Checking the consistency between

these costs and the expected work of the project will be part of the evaluation. The total requested budget will be divided and paid through lump sum in the 3 stages: Sprint 1 (35%), Sprint 2 (35%), Sprint 3 (30%). The payments will be made according to a staged payment arrangement based on the successful completion of specified milestones, deliverables and reviews after each of the sprint.

2.3 Topics

Applicants must submit their proposals for one of the five topics below.

Table 1: Description of Topic#1

Topic #1			
AI- or data-based services for the healthcare sector enabled by the HosmartAI platform			
Challenge	<p>The HosmartAI platform enables straightforward creation of innovative AI-based solutions/services for the healthcare sector. Implication from tech companies will increase the market visibility of their solutions and services, technically improve their developments through HosmartAI technology, and enable hospitals and other healthcare institutions throughout Europe and beyond to improve their processes (of any nature, e.g., clinical, management, logistics, administrative). These solutions can be generic or specific to one specific process, technology, equipment, etc.</p> <p>SMEs are invited to submit proposals to implement AI/data-based solutions on the HosmartAI platform - to be promoted through the HosmartAI Marketplace. Both proprietary and open-source developments are eligible.</p> <p>Proposals should make interest from healthcare institutions plausible, preferably illustrated with a brief use case. The sustainability of the solution must be discussed, including maintenance and draft business model.</p>		
	Requirements	Technology readiness level	The TRL of the solution should reach at least level 6: the solution is expected to be based on an advanced existing solution.
Source code availability		Proposed solutions can either be open source or proprietary.	
Standards		HosmartAI uses HL7-FHIR for any clinical data.	
Programming language		No restrictions.	
Ethics		Handling of personal and other sensitive data must comply applicable law.	
Security		HosmartAI platform functionality is recommended, but not obligatory.	
Data management		HosmartAI platform functionality is recommended, but not obligatory.	
Other(s)		Sustainability of the application shall also be addressed, both technically and commercially (i.e., on the HosmartAI marketplace).	
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	Design and Architecture	First functional version	Integration

Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • An assigned mentor from HosmartAI. • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables.
Expected outcome	<ul style="list-style-type: none"> • Novel AI/data-based services reaching hospitals and other healthcare institutions. • Clear potential for uptake. • Sustainability.

Table 2: Description of Topic #2

Topic #2			
Creation of a HL7-FHIR de-identification and pseudonymization tool			
Challenge	This tool should consider all fields and combinations of fields that need to be replaced with non-PII (Personally Identifiable Information) data. It should also provide configurable levels of retaining the initial information and configurable options of pseudonymizing data that can be used for AI and data analytics.		
Requirements	Technology readiness level	TRL 6	
	Source code availability	Yes	
	Standards	Should be applicable to to HL7-FHIR data.	
	Programming language	Any object-oriented language.	
	Ethics	Handling of personal and other sensitive data must comply applicable law.	
	Security	HosmartAI platform functionality is recommended, but not obligatory.	
	Data management	HosmartAI platform functionality is recommended, but not obligatory.	
	Other(s)	n/a	
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	Design of solution and POC	Complete first version	Final version, tested
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • Requirements and specifications of intended outcome • Possibility to integrate and demo this as an available application in HosmartAI Marketplace • Possibility to provide datasets • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables 		

Expected outcome	A ready-to-be-used on HosmartAI datasets open-source tool, preferably under Apache 2.0, MIT, CC-BY, or a similar license that allows commercial use of the code.
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Table 3: Description of Topic #3

Topic #3			
Creation of a federated database system based on a popular open source FHIR Server implementation			
Challenge	A system that should allow the creation of a federated database with HL7-FHIR data, while avoiding ID collisions as much as possible. In case of collisions there should be a mechanism to still retrieve the information based on additional flags (request/response headers, extra response parameters, etc.).		
Requirements	Technology readiness level	TRL 6	
	Source code availability	Yes	
	Standards	Compatible with a popular open-source HL7-FHIR server implementation, e.g. HapiFHIR.	
	Programming language	Java or other language that runs on the JVM (e.g. Kotlin, Scala, Groovy, etc.).	
	Ethics	Handling of personal and other sensitive data must comply applicable law.	
	Security	HosmartAI platform functionality is recommended, but not obligatory.	
	Data management	HosmartAI platform functionality is recommended, but not obligatory.	
	Other(s)	n/a	
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	Design of solution and POC	Complete first version	Final version, tested
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • Requirements and specifications of intended outcome • Possibility to integrate and demo this as an extension of the HosmartAI Platform • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables 		
Expected outcome	A ready-to-be-used on HosmartAI datasets open-source tool, preferably under Apache 2.0, MIT, CC-BY, or a similar license that allows commercial use of the code.		

Table 4: Description of Topic #4

Topic #4		
Vector space map with 3D-5D interactive graphic interface		
Challenge	<p>Develop a module/utility function that contains a multi-dimensional matrix with physical coordinates and other elemental properties. Each element in the data model/vector space will contain container for x, y and z spatial coordinates, a time dimension, as well as several other properties. These include density, type of matter, temperature, voltage, conductivity, colour, value, and other possible properties which can be stateless and defined by the user as needed.</p> <p>The module needs to be integrated for API calls and map into a graphic interface that is able to build a 3D image with 5D properties, e.g. colour, pattern, and real time dynamic evolution. The data model needs to be bitemporal. This means it must have the ability to extract the properties of an element as-is, as well as-was. The AI needs to improve through supervised machine learning or other AI methods that provide a machine learning loop with user input.</p> <p>The vector space needs to be integrated with other utilities that can increase the density of the space with interpolation and/or correlation functions, which would leverage machine learning and reinforced learning methods. This module needs to be integratable in real-time with an API endpoint. It needs to be built as a microservice, cloud-native application, which is stateless – with properties defined by users on configuration/ontology map.</p>	
	Technology readiness level	TRL6
	Source code availability	There are several open source libraries (such as 3D traffic map applications) that can be leveraged. The utility should be built as an open source, with OS license version to be decided by HosmartAI partners.
Requirements	Standards	n/a
	Programming language	Preferred React or Angular framework for the front end, Javascript backend, potentially other if open-source availability dictates. K8 and GraphQL for API integration.
	Ethics	No ethical issues to consider, this will be a stateless utility.
	Security	No security implications. During collaboration with HosmartAI for use cases, care will be taken to ensure same protocols of security, deidentification, and encryption as foreseen by those HosmartAI partners.
	Data management	This would be a stateless container that can be integrated to databasis as necessary, sharing the same qualities and storage space as such databses already do. No risks or issues to consider.
	Intellectual Property Rights	We recommend developing this as an open source to allow easy adjustment and integration by HosmartAI partners and others in the field.
	Other(s)	A well designed, cloud-native, UX interface that is highly customizable and interactive. Integrate a simple big-data pivot

	engine if possible (proprietary or open source) and cloud-native stack for API integration (i.e. Docker, Kubernetes, graphql, Postgres DB).		
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	<p>“Design”</p> <p>Define spatial maps, using cardiac map as MVP1. Iterate with multiple heart types, sizes, disease conditions, and other properties of elements needed to be captured.</p>	<p>“Develop/Experiment”</p> <p>Design an interactive and dynamic 3D-5D mapping application / UI, that works in IOS/Android with touch screen and real-time updating (i.e. space over time with colour and pattern</p>	<p>“Integration”</p> <p>Integrate via an API endpoint with a specific use case (i.e. ablation map).</p>
Resources provided by HosmartAI	Test data sets.		
Expected outcome	Increased efficiency and accuracy of data mapping and spatial definitions, in particular for organ imaging. Specifically an opportunity to improve ablation mapping as well as remote navigation guidance.		

Table 5: Description of Topic #5

Topic #5					
Data Parsing and Mapping Utility					
Challenge	<p>An application or utility function that can translate various data types that need to be used by HosmartAI partners, classify them and convert into standards (hl7) that are readable by various applications and easily integratable to the HosmartAI ecosystem (a generalized data parsing utility for the HosmartAI ecosystem).</p> <p>This data dictionary would first be established on a baseline from known relationships defined by users, but would learn over time using AI techniques, such as NLP. The library needs to be built in a generic format where various data elements and sets can be defined as input, then processed and converted into some form of a fixed-format, with AI methods used for a feedback or reinforced learning loop.</p> <p>In order to establish a relevant use case, at least 3 Pilots will be asked to share their challenges in understanding and translating data sets, as use cases for this tool to effectively create an open container that can dynamically adjust when these data sets are modified ad-hoc or evolve in an organized fashion over time.</p>				
Requirements	<table border="1"> <tr> <td style="background-color: #e0f2f1;">Technology readiness level</td> <td>Existing data parser libraries, some open source, may be used to expedite the project.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Source code availability</td> <td>There may be some open source materials and libraries available for use.</td> </tr> </table>	Technology readiness level	Existing data parser libraries, some open source, may be used to expedite the project.	Source code availability	There may be some open source materials and libraries available for use.
Technology readiness level	Existing data parser libraries, some open source, may be used to expedite the project.				
Source code availability	There may be some open source materials and libraries available for use.				

	Standards	Unclear what part of the application can be open source, HosmartAI partners to decide on a case by case basis which parts of the library may need to be held proprietary as it pertains to security.		
	Programming language	It is desired that the backend is developed in Javascript, or Python/C/C++ that may be wrapped in Javascript. SME should not be limited to this set, in order to allow for efficient use of potential open source libraries – so long as such choices do not impact the integration to the HosmartAI ecosystem negatively.		
	Ethics	Need to follow GDP and HIPAA guidelines when handling data sets, as well as all other security and data protections standards as adopted by HosmartAI partners.		
	Security	Deployable through secure cloud protocols, with integration capacity to include blockchain, for use cases that need an extra layer.		
	Intellectual Property Rights	In compliance with consortium agreements, the utility itself should be in open source, but could be limited by needs for security and data privacy.		
	Data management	These will be highly sensitive patient data so strongest data security measures must be deployed by the solution. The sample date sets will be deidentified and encrypted. The solution needs to have proper security measures in place during the data processing paths in the libraries.		
	Other(s)	The solution needs to be designed with the translated data/results in standard format, HL7 or similar, and able to integrate via API across the HosmartAI infrastructure, especially the Pilot 4 Architecture . The solution must be designed to handle big data and integrate well with AI open source components and libraries. All technologies used need to be in cloud-native ecosystem, such as K8, GraphQL, Docker, Postgress DB etc.		
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)	
	<p>“Design and Defined Use Cases”</p> <p>Define and understand the structure of ablation mapping files for at least 2 ablation systems (preference for Carta (Biosense Webster) and EnSite (Biosense)) and decipher the data type files and the data within them. Consider one other volunteer hosmartAI Pilot for a seconde use case. Create the ability to automatically detect and</p>	<p>“Develop Data Parser”</p> <p>Develop libraries to read all the different file types, create data dictionaries, and automatically parse the data ready for integration. Develop a utility to transfer and manage big data files to the cloud, bearing in mind high data security and ethical protocols for patient health</p>	<p>“Integration”</p> <p>Setup cloud databases that can store and process big data in a native-cloud environment. Build API library for easy integration with other applications and big data pviot engines.</p>	

	make ready to process all files that are dropped in a local or cloud location.	information data transfer.	
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • Support to integrate and demo this as an available application in HosmartAI Marketplace, • Test data sets. • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables 		
Expected outcome	This will increase interoperability between different medical entities by simplifying data translation, with initial focus on cardiac ablation.		

2.4 Timeline

Submission to the HosmartAI Open Call #1 - INNOVATE will be enabled on the **8th of February 2022, 00:00 CET** and will end on the **8th of April 2022 at 17:00 CET**. Below are presented the current tentative dates for the different phases. The dates can be subject to change in case of any modifications in the project's schedule.



Figure 1: HosmartAI Open Call #1 - INNOVATE timeline

3 Additional information

3.1 Open Call supported materials

1. Required during the application process:

- **Annex 1: Open Call text**, this document;
- **Annex 2: Guidelines for Applicants**, detailing all steps involved, requirements and eligibility criteria;
- **Annex 3: Application Form**, an online form, temporarily available at F6S platform <https://www.f6s.com/hosmartai-open-call1/apply>;
- **Annex 3.1: Description of Work**, a mandatory word document for applicants to prepare and submit a proposal;
- **Annex 4: Applicant Declaration of Honour**, which declares that all conditions related to the HosmartAI Open Call #1 – INNOVATE Tech are accepted by an SME legal representative.

- **Annex 5: SME Declaration**, which evaluates the status of the SMEs participating;
- **Frequently Asked Questions (FAQ) & answers** published at the community feed at <https://www.hosmartai.eu/opencalls/>

2. If your proposal is successful, then the following documents will be asked.

- **Annex 6: Bank account information**, which collects information on the applicant(s)' bank account where the HosmartAI payments will be sent to;
- **Annex 7: Open Call Beneficiary Agreement**, which provides a template of the sub-grant agreement that the successful applicants will be requested to sign.

3.2 Contacts

The HosmartAI Consortium will provide information to the applicants via the F6S Online Q&A, so that the information (question and answer), will be visible to all participants.

- F6S Online Q&A: <https://www.f6s.com/hosmartai-open-call1/discuss>
- Apply via: <https://www.f6s.com/hosmartai-open-call1/apply>
- F6S support team: support@f6s.com
- More info at: <https://www.hosmartai.eu/>
- For extraordinary communication need, please contact the Help Desk: opencalls@hosmartai.eu

Good luck!



Annex 2

Guidelines for Applicants

OPEN CALL 1

Application submission starts on:
8 February 2022, 00:00 CET

Submission deadline:
8 April 2022, 17:00 CET

www.hosmartai.eu

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1 Introduction

This document provides a full set of information regarding the first Open Call for Proposals, also referred as **Open Call #1 – INNOVATE Call for Tech**, for the HosmartAI project. All associated Annexes must be additionally considered for the submission of a Proposal.

HosmartAI organises this first Open Call to engage innovative tech Startups/SMEs in the **design, development, and integration** of their technological product/service into the HosmartAI's platform/ecosystem. The objective is to solve particular HosmartAI challenges or bring new tech to be integrated in the HosmartAI platform.

1.1 Context



Healthcare systems throughout the world are endeavouring to rise to the challenges that result from an ageing population, the growth in chronic diseases, appearance of new viruses, burgeoning technical possibilities and public expectation. To cope with such elements, an increasing proportion of GDP is spent on health. In Europe, the public 1 share of health care spending is anticipated to grow from 6.8% of GDP up to 8.4% (+24%) or more in 2070. This increase will require countries to either allocate additional funds or try to decrease the actual cost through better 2 management of the resources.

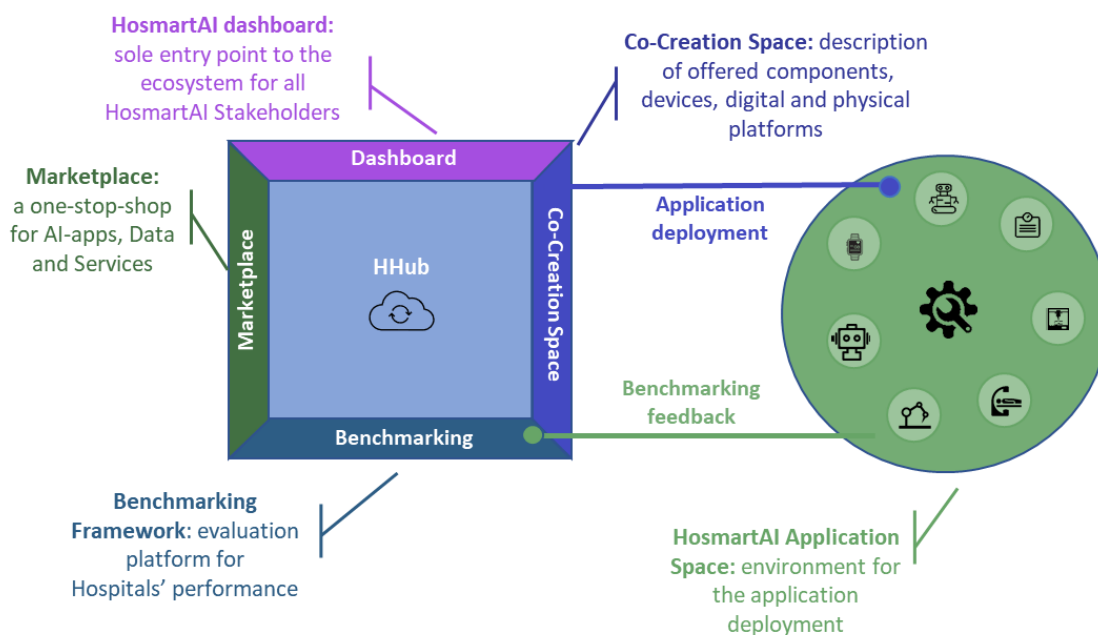
On the other hand, it also has proven necessary to understand and coordinate when facing new outbreaks. COVID- 19 has been a test of the world's health community to cooperate, sharing information and relying on time-tested approaches to epidemics and collaboration with the industrial community. In all health systems, hospitals are important sectors providing vital services but also absorb considerable percentage of resources (from 40 to 80%4). Hospitals impact the health systems' efficacy, so assessing hospitals performance is of paramount importance.

Technological developments in the fields of robotics and AI can provide significant cost savings and could lead to improvements in many hospital processes. It is necessary to develop platforms that are predictably safe, so regulatory reviews can happen quickly, and that make it easy for manufacturers to produce resources at low cost on a massive scale. AI and digital solutions could also contribute to more effective and automated work management processes, while offering continuous training for health and care workers. Several are already being employed although implementation factors prevent large-scale deployment.

1.2 HosmartAI project

1.2.1 HosmartAI's ambition

 VISION	<p>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).</p>
 MISSION	<p>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.</p>



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 hospitals and care settings. The project will target different medical aspects or manifestations such as cancer; gastrointestinal (GI) disorders; cardiovascular diseases; thoracic disorders; neurological diseases; elderly care and neuropsychological rehabilitation; Fetal Growth Restriction (FGR) and prematurity.

To ensure a user-centred approach, harmonization in the process (e.g. regarding ethical aspects, standardization, and robustness both from a technical, 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). Description of the consortium partners is available at the project website [here](#).

1.2.2 HosmartAI's objectives

The main objective of HosmartAI is to promote an effective and efficient health care system transformation, using AI technological developments and robotics. To achieve this transformation HosmartAI will introduce an AI platform that will allow for core facilities to be shared and linked

composing smart services for healthcare professionals, patients, information system managers, and health organisation administrations.

1.2.2.1 Technical objectives

- Successfully integrate the appropriate (including third-party) components, tools and hardware robotics in order to deliver **a holistic HealthCare Interoperability Platform** easily configurable to different cases and considering best practices and open system approaches in the market for secure experimentation composition and exploration.
- Offer (cyber) **security, privacy and trust mechanisms** at different granularities and contexts of the Platform, ensuring the inherent incorporation of all networked entities/objects by design fashion and in accordance to associated regulations, ethics, and compliance aspects.
- Develop **AI-supported tools** that will be able to compose smart services for healthcare professionals, patients' information system managers, and health organisation administrations and take advantage of new data sources and other tools, services and components.

1.2.2.2 Business objectives

- Prove the applicability, effectiveness and value of the **HosmartAI Platform**, AI-based solutions and robotics in healthcare, real-life trustworthy services, applications and standards demonstrating and stress-testing the HosmartAI artefacts, methodologies and services under pragmatic conditions against a predefined set of large-scale pilots.
- Ensure wide **communication and scientific dissemination** of the innovative HosmartAI results to the research and academic communities, to promote clustering activities amongst the industrial communities and all stakeholders involved in the Health and Care domains (with emphasis on the AI and robotics), to contribute to relevant standardization bodies, to collaborate and align with the EU **Digital Innovation Hub**¹ networks and platforms.
- Accelerate the pace of digitization, AI adoption and the innovation potential in the European Health and Care sector, through the **efficient exploitation and business planning** of the HosmartAI concepts and tools.
- Build an **innovative, sustainable and value creation ecosystem for SMEs and entrepreneurs** in the Health and Care domains by having ease and streamline mechanisms with clearly identified incentives to participate.

1.2.2.3 Scientific and innovation objectives

- Tackle the **interlinking, semantic enrichment, data improvement**, facilitating and boosting data interoperability across multiple physical and digital healthcare platforms and associated technologies, promoting data sharing, assets reuse and, through these, business value generation.
- To establish a benchmarking mechanism through the design of a **benchmarking framework** for Innovative AI-based systems providers, targeting end-goals in terms of productivity and sustainability performance of services, technologies and practices based on a set of KPIs that are relevant to the Healthcare sector.

¹ i.e. a legal entity which functions as a network of research, innovation, business and industry organisations in order to ensure digital progress. Digital Innovation Hubs are one-stop-shops that help companies to become more competitive with regard to their business/production processes, products or services using digital technologies.

2 Call for proposals

2.1 Objectives

The HosmartAI Open Call #1 aims to enlarge a pool of health-interoperable technologies by engaging tech Startups/SMEs (Applicants) with knowledge and expertise about the integration of their solutions in the HosmartAI platform.

The Applicants can do it by solving HosmartAI challenges or bringing new and high-valuable components to be integrated in the HosmartAI ecosystem. Such solutions will enable the expansion of HosmartAI offer, value proposition, technology capacity and the possibility of being adopted by a diversity of health care entities to overcome end-users needs and challenges.

2.2 Main characteristics

- **Open Call timeframe:** from the 8th of February 2022, 00:00 CET to the 8th of April 2022, 17:00 CET
- **Target group:** Startups/SMEs (preferably developing AI-powered technology, but not limited to)
- **Activities to be funded:** Design (sprint 1), development (sprint 2) and integration (sprint 3) of AI technologies within the HosmartAI ecosystem to ensure a fast pace, quality of the deployment and measurable impact.
- **Duration of Activities:** 6months
- **Funding:** up to €50 000 per applying proposal submitted by a Startup/SME (3rd party). The total grant requested will represent up to 100% of the total costs of the submitted project.
- **How the payment will be made?** The selected 3rd party will be paid againsts delivering activities submitted in Annex 3.1 Description of Work. Each project will develop an implementation plan including milestones and deliverables, and a cost estimate justifying the costs and resources in relation to the implementation plan. Checking the consistency between these costs and the expected work of the project will be part of the evaluation. The total requested budget will be divided and paid through lump sum in the 3 stages: Sprint 1 (35%), Sprint 2 (35%), Sprint 3 (30%). The payments will be made according to a staged payment arrangement based on the successful completion of specified milestones, deliverables and reviews after each of the sprint.

2.3 Topics

Applicants must submit their proposals for one of the five topics below.

Table 1: Description of Topic#1

Topic #1
AI- or data-based services for the healthcare sector enabled by the HosmartAI platform

Challenge	<p>The HosmartAI platform enables straightforward creation of innovative AI-based solutions/services for the healthcare sector. Implication from tech companies will increase the market visibility of their solutions and services, technically improve their developments through HosmartAI technology, and enable hospitals and other healthcare institutions throughout Europe and beyond to improve their processes (of any nature, e.g., clinical, management, logistics, administrative). These solutions can be generic or specific to one specific process, technology, equipment, etc.</p> <p>SMEs are invited to submit proposals to implement AI/data-based solutions on the HosmartAI platform - to be promoted through the HosmartAI Marketplace. Both proprietary and open-source developments are eligible.</p> <p>Proposals should make interest from healthcare institutions plausible, preferably illustrated with a brief use case. The sustainability of the solution must be discussed, including maintenance and draft business model.</p>		
	Requirements	Technology readiness level	The TRL of the solution should reach at least level 6: the solution is expected to be based on an advanced existing solution.
Source code availability		Proposed solutions can either be open source or proprietary.	
Standards		HosmartAI uses HL7-FHIR for any clinical data.	
Programming language		No restrictions.	
Ethics		Handling of personal and other sensitive data must comply applicable law.	
Security		HosmartAI platform functionality is recommended, but not obligatory.	
Data management		HosmartAI platform functionality is recommended, but not obligatory.	
Other(s)		Sustainability of the application shall also be addressed, both technically and commercially (i.e., on the HosmartAI marketplace).	
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	Design and Architecture	First functional version	Integration
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • An assigned mentor from HosmartAI. • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables. 		
Expected outcome	<ul style="list-style-type: none"> • Novel AI/data-based services reaching hospitals and other healthcare institutions. • Clear potential for uptake. • Sustainability. 		

Table 2: Description of Topic #2

Topic #2			
Creation of a HL7-FHIR de-identification and pseudonymization tool			
Challenge	This tool should consider all fields and combinations of fields that need to be replaced with non-PII (Personally Identifiable Information) data. It should also provide configurable levels of retaining the initial information and configurable options of pseudonymizing data that can be used for AI and data analytics.		
Requirements	Technology readiness level	TRL 6	
	Source code availability	Yes	
	Standards	Should be applicable to to HL7-FHIR data.	
	Programming language	Any object-oriented language.	
	Ethics	Handling of personal and other sensitive data must comply applicable law.	
	Security	HosmartAI platform functionality is recommended, but not obligatory.	
	Data management	HosmartAI platform functionality is recommended, but not obligatory.	
	Other(s)	n/a	
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	Design of solution and POC	Complete first version	Final version, tested
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • Requirements and specifications of intended outcome • Possibility to integrate and demo this as an available application in HosmartAI Marketplace • Possibility to provide datasets • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables 		
Expected outcome	A ready-to-be-used on HosmartAI datasets open-source tool, preferably under Apache 2.0, MIT, CC-BY, or a similar license that allows commercial use of the code.		

Table 3: Description of Topic #3

Topic #3			
Creation of a federated database system based on a popular open source FHIR Server implementation			
Challenge	A system that should allow the creation of a federated database with HL7-FHIR data, while avoiding ID collisions as much as possible. In case of collisions there should be a mechanism to still retrieve the information based on additional flags (request/response headers, extra response parameters, etc.).		
Requirements	Technology readiness level	TRL 6	
	Source code availability	Yes	
	Standards	Compatible with a popular open-source HL7-FHIR server implementation, e.g. HapiFHIR.	
	Programming language	Java or other language that runs on the JVM (e.g. Kotlin, Scala, Groovy, etc.).	
	Ethics	Handling of personal and other sensitive data must comply applicable law.	
	Security	HosmartAI platform functionality is recommended, but not obligatory.	
	Data management	HosmartAI platform functionality is recommended, but not obligatory.	
	Other(s)	n/a	
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	Design of solution and POC	Complete first version	Final version, tested
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • Requirements and specifications of intended outcome • Possibility to integrate and demo this as an extension of the HosmartAI Platform • Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables 		
Expected outcome	A ready-to-be-used on HosmartAI datasets open-source tool, preferably under Apache 2.0, MIT, CC-BY, or a similar license that allows commercial use of the code.		

Table 4: Description of Topic #4

Topic #4																			
Vector space map with 3D-5D interactive graphic interface																			
Challenge	<p>Develop a module/utility function that contains a multi-dimensional matrix with physical coordinates and other elemental properties. Each element in the data model/vector space will contain container for x, y and z spatial coordinates, a time dimension, as well as several other properties. These include density, type of matter, temperature, voltage, conductivity, colour, value, and other possible properties which can be stateless and defined by the user as needed.</p> <p>The module needs to be integrated for API calls and map into a graphic interface that is able to build a 3D image with 5D properties, e.g. colour, pattern, and real time dynamic evolution. The data model needs to be bitemporal. This means it must have the ability to extract the properties of an element as-is, as well as-was. The AI needs to improve through supervised machine learning or other AI methods that provide a machine learning loop with user input.</p> <p>The vector space needs to be integrated with other utilities that can increase the density of the space with interpolation and/or correlation functions, which would leverage machine learning and reinforced learning methods.</p> <p>This module needs to be integratable in real-time with an API endpoint.</p>																		
Requirements	<table border="1"> <tr> <td style="background-color: #e0f2f1;">Technology readiness level</td> <td>TRL6</td> </tr> <tr> <td style="background-color: #e0f2f1;">Source code availability</td> <td>There are several open source libraries (such as 3D traffic map applications) that can be leveraged. The utility should be built as an open source, with OS license version to be decided by HosmartAI partners.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Standards</td> <td>n/a</td> </tr> <tr> <td style="background-color: #e0f2f1;">Programming language</td> <td>Preferred React or Angular framework for the front end, Javascript backend, potentially other if open-source availability dictates. K8 and graphql for API integration.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Ethics</td> <td>No ethical issues to consider, this will be a stateless utility.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Security</td> <td>No security implications. During collaboration with HosmartAI for use cases, care will be taken to ensure same protocols of security, deidentification, and encryption as foreseen by those HosmartAI partners.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Data management</td> <td>This would be a stateless container that can be integrated to databasis as necessary, sharing the same qualities and storage space as such databses already do. No risks or issues to consider.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Intellectual Property Rights</td> <td>We recommend developing this as an open source to allow easy adjustment and integration by HosmartAI partners and others in the field.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Other(s)</td> <td>A well designed, cloud-native, UX interface that is highly customizable and interactive. Integrate a simple big-data pivot engine if possible (proprietary or open source) and cloud-native</td> </tr> </table>	Technology readiness level	TRL6	Source code availability	There are several open source libraries (such as 3D traffic map applications) that can be leveraged. The utility should be built as an open source, with OS license version to be decided by HosmartAI partners.	Standards	n/a	Programming language	Preferred React or Angular framework for the front end, Javascript backend, potentially other if open-source availability dictates. K8 and graphql for API integration.	Ethics	No ethical issues to consider, this will be a stateless utility.	Security	No security implications. During collaboration with HosmartAI for use cases, care will be taken to ensure same protocols of security, deidentification, and encryption as foreseen by those HosmartAI partners.	Data management	This would be a stateless container that can be integrated to databasis as necessary, sharing the same qualities and storage space as such databses already do. No risks or issues to consider.	Intellectual Property Rights	We recommend developing this as an open source to allow easy adjustment and integration by HosmartAI partners and others in the field.	Other(s)	A well designed, cloud-native, UX interface that is highly customizable and interactive. Integrate a simple big-data pivot engine if possible (proprietary or open source) and cloud-native
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Standards	n/a																		
Programming language	Preferred React or Angular framework for the front end, Javascript backend, potentially other if open-source availability dictates. K8 and graphql for API integration.																		
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Other(s)	A well designed, cloud-native, UX interface that is highly customizable and interactive. Integrate a simple big-data pivot engine if possible (proprietary or open source) and cloud-native																		

	stack for API integration (i.e. Docker, Kubernetes, graphQL, Postgres DB).		
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)
	<p>“Design”</p> <p>Define spatial maps, using cardiac map as MVP1. Iterate with multiple heart types, sizes, disease conditions, and other properties of elements needed to be captured.</p>	<p>“Develop/Experiment”</p> <p>Design an interactive and dynamic 3D-5D mapping application / UI, that works in IOS/Android with touch screen and real-time updating (i.e. space over time with colour and pattern</p>	<p>“Integration”</p> <p>Integrate via an API endpoint with a specific use case (i.e. ablation map).</p>
Resources provided by HosmartAI	Test data sets.		
Expected outcome	Increased efficiency and accuracy of data mapping and spatial definitions, in particular for organ imaging. Specifically an opportunity to improve ablation mapping as well as remote navigation guidance.		

Table 5: Description of Topic #5

Topic #5					
Data Parsing and Mapping Utility					
Challenge	<p>An application or utility function that can translate various data types that need to be used by HosmartAI partners, classify them and convert into standards (hl7) that are readable by various applications and easily integratable to the HosmartAI ecosystem (a generalized data parsing utility for the HosmartAI ecosystem).</p> <p>This data dictionary would first be established on a baseline from known relationships defined by users, but would learn over time using AI techniques, such as NLP. The library needs to be built in a generic format where various data elements and sets can be defined as input, then processed and converted into some form of a fixed-format, with AI methods used for a feedback or reinforced learning loop.</p> <p>In order to establish a relevant use case, at least 3 Pilots will be asked to share their challenges in understanding and translating data sets, as use cases for this tool to effectively create an open container that can dynamically adjust when these data sets are modified ad-hoc or evolve in an organized fashion over time.</p>				
Require	<table border="1"> <tr> <td style="background-color: #e0f2f1;">Technology readiness level</td> <td>Existing data parser libraries, some open source, may be used to expedite the project.</td> </tr> <tr> <td style="background-color: #e0f2f1;">Source code availability</td> <td>There may be some open source materials and libraries available for use.</td> </tr> </table>	Technology readiness level	Existing data parser libraries, some open source, may be used to expedite the project.	Source code availability	There may be some open source materials and libraries available for use.
Technology readiness level	Existing data parser libraries, some open source, may be used to expedite the project.				
Source code availability	There may be some open source materials and libraries available for use.				

	Standards	Unclear what part of the application can be open source, HosmartAI partners to decide on a case by case basis which parts of the library may need to be held proprietary as it pertains to security.		
	Programming language	It is desired that the backend is developed in Javascript, or Python/C/C++ that may be wrapped in Javascript. SME should not be limited to this set, in order to allow for efficient use of potential open source libraries – so long as such choices do not impact the integration to the HosmartAI ecosystem negatively.		
	Ethics	Need to follow GDP and HIPAA guidelines when handling data sets, as well as all other security and data protections standards as adopted by HosmartAI partners.		
	Security	Deployable through secure cloud protocols, with integration capacity to include blockchain, for use cases that need an extra layer.		
	Intellectual Property Rights	In compliance with consortium agreements, the utility itself should be in open source, but could be limited by needs for security and data privacy.		
	Data management	These will be highly sensitive patient data so strongest data security measures must be deployed by the solution. The sample date sets will be deidentified and encrypted. The solution needs to have proper security measures in place during the data processing paths in the libraries.		
	Other(s)	The solution needs to be designed with the translated data/results in standard format, HL7 or similar, and able to integrate via API across the HosmartAI infrastructure, especially the Pilot 4 Architecture . The solution must be designed to handle big data and integrate well with AI open source components and libraries. All technologies used need to be in cloud-native ecosystem, such as K8, graphQL, Docker, Postgress DB etc.		
Minimum deliverables required	1st Sprint (M2)	2nd Sprint (M4)	3rd Sprint (M6)	
	<p>“Design and Defined Use Cases”</p> <p>Define and understand the structure of ablation mapping files for at least 2 ablation systems (preference for Carta (Biosense Webster) and EnSite (Biosense)) and decipher the data type files and the data within them. Consider one other volunteer hosmartAI Pilot for a seconde use case. Create the ability to automatically detect and</p>	<p>“Develop Data Parser”</p> <p>Develop libraries to read all the different file types, create data dictionaries, and automatically parse the data ready for integration. Develop a utility to transfer and manage big data files to the cloud, bearing in mind high data security and ethical protocols for patient health</p>	<p>“Integration”</p> <p>Setup cloud databases that can store and process big data in a native-cloud environment. Build API library for easy integration with other applications and big data pviot engines.</p>	

	make ready to process all files that are dropped in a local or cloud location.	information data transfer.	
Resources provided by HosmartAI	<ul style="list-style-type: none"> • Technical Documentation on the HosmartAI platform including API definitions, architecture, etc. • Support to integrate and demo this as an available application in HosmartAI Marketplace, • Test data sets. Access to all HosmartAI public deliverables: hosmartai.eu/knowledge-base/deliverables		
Expected outcome	This will increase interoperability between different medical entities by simplifying data translation, with initial focus on cardiac ablation.		

2.4 Timeline

Submission to the HosmartAI Open Call #1 - INNOVATE will be enabled on the **8th of February 2022, 00:00 CET** and will end on the **8th of April 2022 at 17:00 CET**. Below are presented the current tentative dates for the different phases. The dates can be subject to change in case of any modifications in the project’s schedule.



Figure 1: HosmartAI Open Call #1 - INNOVATE timeline

3 Eligibility criteria

All Applicants will have to abide to all general requirements described in this section to be considered eligible for HosmartAI Open Call #1 - INNOVATE. The projects that do not comply with those criteria will be excluded and marked as ineligible. The Open Call Committee will check the eligibility criteria based on the information provided in your application during the whole evaluation process.

3.1 Who are we looking for? Type of Beneficiary

The target audience of this call are Startups/SMEs. An SME will be considered as such if complying with the European Commission Recommendation 2003/361/EC² and the SME user guide³. As a summary, the criteria which define an SME are:

- a. Independent (not linked or owned by another enterprise), in accordance to Recommendation 2003/361/EC.
- b. Headcount in Annual Work Unit (AWU) less than 250.
- c. Annual turnover less or equal to €50 million OR annual balance sheet total less or equal to €43 million.

Startups that do not have yet annual turnover or balance sheets are also considered eligible given that they fulfil the criteria (a) and (b) at submission time.

In case an SME is awarded, it will remain eligible even if, at a certain point during the execution of HosmartAI Activities, it does not fulfil criteria (b) or (c).

Please note that a signed version of *Annex 4: Honour Declaration* is mandatory for a proposal submission. Regarding *Annex 5: SME Declaration*, which evaluates the status of the SMEs participating at an open call, **only if your organization has a validated a 9-digit Participant Identification Code⁴ (PIC) number, Annex 5 can be disregarded.**

In addition, the following condition apply:

- The applying SMEs⁵ should not:
 - have convictions for fraudulent behaviour, other financial irregularities, unethical or illegal business practices.
 - have been declared bankrupt or have initiated bankruptcy procedures.
 - Be under liquidation or an enterprise under difficulty accordingly to the Commission Regulation No 651/2014, art. 2.18
 - Be excluded from the possibility of obtaining EU funding under the provisions of both national and EU law, or by a decision of both national or EU authority
- Proposals from Linked SMEs must demonstrate that there is no risk of double funding. The fundamental principle underpinning the rules for public expenditure in the EU states that no costs for the same activity can be funded twice from the EU budget, as defined in the Article 111 of Council Regulation (EC, Euratom) No 1605/2002 of 25 June 2002 on the Financial Regulation. In the case of proposals submitted by linked SMEs, all must clearly state the differences between them including but not limited to, technical aspects, market strategy and team composition, so that it remains no doubt that there is no risk of double funding. In order to properly assess these concerns HosmartAI may assign all proposals to the same set of evaluators and, should any doubt remain, exclude all proposals.

² <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32003H0361>

³ SME definition: Please check "User guide to the SME definition" available at <https://op.europa.eu/s/n3t1>

⁴ <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/participant-register>

⁵ Please check the definition of Linked SME at "User guide to the SME definition" available at <https://op.europa.eu/s/n3t1> and include the relevant information in Annex 5

3.2 Eligible countries

Only Startups/SMEs legally established in any of the following countries (hereafter collectively identified as the “Eligible Countries”) are eligible:

- The Member States (MS) of the European Union (EU), including their outermost regions;
- The Overseas Countries and Territories (OCT) linked to the Member States⁶;
- H2020 associated countries (those which signed an agreement with the Union as identified in Article 7 of the Horizon 2020 Regulation): according to the updated list published by the EC⁷.

The UK applicants are eligible under the conditions set by the EC for H2020 participation at the time of the deadline of the call.

3.3 Multiple submission

Only one proposal will be accepted for funding per SME.

In the case of a multiple submission, only the last one received (timestamp of the system) will enter into the evaluation process, the rest being declared as non-eligible. If the last submitted proposal is declared the non-eligible or fails to reach the thresholds of the evaluation, the other proposals submitted earlier will not be considered for evaluation in any case.

3.4 Conflict of interest

Applicants shall not have any actual or/and potential conflict of interest with the HosmartAI selection process and during the whole project. All cases of conflict of interest will be assessed case by case. In particular, applicants cannot be HosmartAI Consortium partners or affiliated entities nor their employees or co-operators under a contractual agreement.

4 How to apply?

The submission will be done through the F6S platform (<https://www.f6s.com/>) which is directly linked from [HosmartAI website](#). The applicants are required to register a profile at F6S to be able to submit a proposal. The documents that will be submitted are:

- **Annex 3 Application Form:** administrative questions to be completed directly in the F6S platform. In addition, some general questions for statistic purpose and tick boxes to be clicked by the third parties confirming they have read the conditions and agree with the conditions defined in this document.

⁶ Entities from Overseas Countries and Territories (OCT) are eligible for funding under the same conditions as entities from the Member States to which the OCT in question is linked.

⁷https://ec.europa.eu/research/participants/data/ref/h2020/grants_manual/hi/3cpart/h2020-hi-list-ac_en.pdf

- **Annex 3.1: Description of Work** - document that must be submitted in a pdf format containing the description of the proposed project. It includes different sections: (1) Overview of the project, (2) Excellence/Innovation, (3) Expertise and Excellence of the proposed team, (4) Project Planning and value for money.
- **Annex 4: Applicant Declaration of Honour** - a template of the declaration that all conditions related to the HosmartAI Open Call #1 - INNOVATE are accepted by a Startup/SME legal representative.
- **Annex 5: SME Declaration** – mandatory to submit unless SME has a validated PIC number.

The project proposals must strictly adhere to the template provided by HosmartAI Consortium via F6S platform, which defines sections and the overall length. Participants are requested to carefully read and follow the instructions in the form. Evaluators will be instructed not to consider extra material in the evaluation. Additional material, which has not been specifically requested in the online application form, will not be considered for the evaluation of the proposals.

Applying to an open call takes time and dedication and we would like to make sure that you understand the crucial rules:

- **Be on time:** Make sure you submit your proposal through the F6S platform at <https://www.f6s.com/hosmartai-open-call1/apply> before the deadline of **8 April 2022, 17:00 CET**. If you submit the form correctly, the system will send you a confirmation of your submission. Get in touch with us if it was not the case. Proposals submitted by any other means, will not be evaluated.
- **Be exhaustive:** Have you answered all the sections of the form and uploaded all required Annexes? It will not be possible to add any information after the submission deadline.
- **Language:** English is the official language of HosmartAI Open Call #1. All proposals must be in English in all their mandatory parts in order to be eligible. Submissions done in any other language will not be evaluated. English is also the only official language during the whole length of the Open Call INNOVATE programme. This means that any requested deliverables will be admitted only if submitted in English.
- **Every question deserves your attention:** All mandatory sections of your proposal must be filled in. Make sure that the data provided is true and complete. This is crucial for us to properly assess your proposal.
- **It is your proposal:** Your project should be based on your original work. Going forward, any foreseen developments must be free from third-party rights and if not, these third-party rights must be clearly stated.
- **Documentation format:** Any document requested in any of the phases must be submitted electronically in PDF format without restrictions for printing.

NOTE 1: The regular functioning of the F6S platform limits to one application submission per F6S user in each call. If an F6S user wishes to submit more than one application, for example on behalf of different SMEs, the F6S user should request support from the F6S support team (support@f6s.com) at least 10 days prior the open call deadline.

NOTE 2: It is strongly recommended to not wait till the last moment of submission. **Failure of the proposal to arrive in time for any reason, including communications delays, or network issues is not acceptable as an extenuating circumstance and will automatically lead to rejection of the**

submission. The time of receipt of the proposal as recorded by the submission system will be definitive.

NOTE 3: Please note that after the submission editing is not possible. If the applicant discovers an error in the proposal, and provided the call deadline has not passed, the applicant may request the F6S HosmartAI team to re-submit the proposal (for this purpose please contact us at iwa@f6s.com with email titled: RESUBMISSION REQUEST). However, HosmartAI is not committed that resubmission in time will be feasible in case the request for resubmission is not received by the F6S HosmartAI team at least 48 hours before the call deadline.

5 Evaluation process

The evaluation process is shown in the figure 2.

Each of the stages will have a set of criteria to access the next stage but also to raise the obligation from HosmartAI Consortium on the financial support. The following paragraphs provide a detail set of procedures and criteria at the time of evaluating and awarding the financial support to the SMEs.

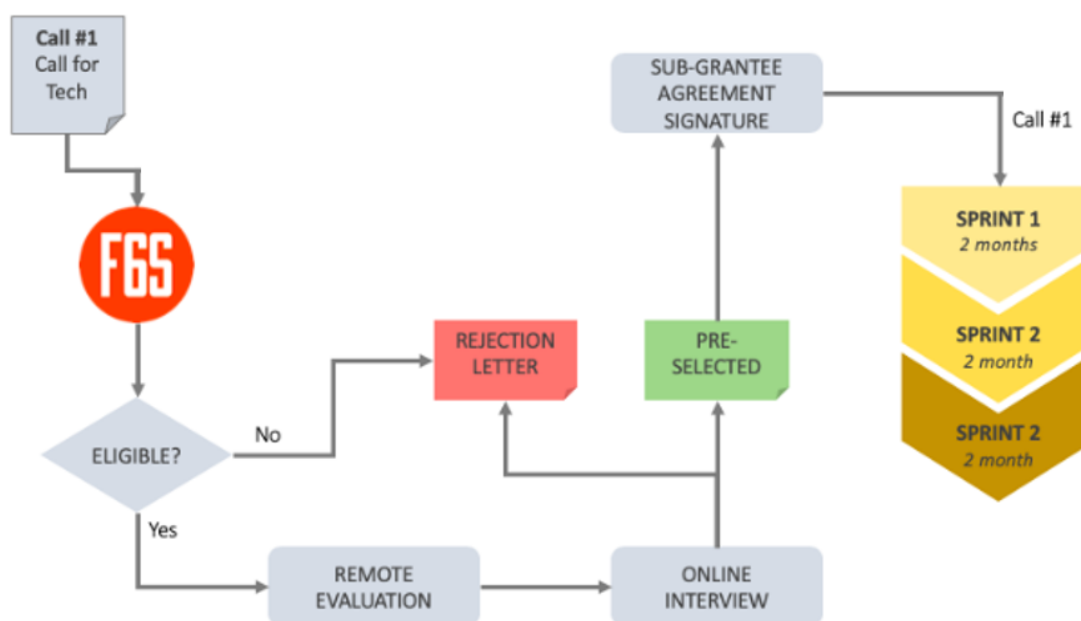


Figure 2: HosmartAI evaluation process.

5.1 Evaluation criteria

1. **Proposals reception:** via F6S.
2. **Eligibility filter:** Eligibility check will verify (i) the existence of a legal entity in an eligible country, (ii) the uniqueness of the proposal, (iii) the existence of the same entity selected in

the previous call (if applicable), (iv) the alignment with HosmartAI call for proposals and challenges.

3. **Remote evaluation:** The eligible proposals will be given to external evaluators bound by a confidentiality agreement. These evaluators with experience in AI technologies and business development will review each proposal, scoring them based on:
 - *Excellence & innovation.*
 - Appropriateness of the project scope addressing one of the open call topics/challenges and respective requirements.
 - Quality, credibility, and clarity of project description.
 - Interoperability level of the proposed solution. Innovation degree. Project outcomes and respective measurement. Potential impact.
 - *Expertise and excellence of the proposed team*
 - Appropriateness of skills, expertise, and experience available within the team.
 - *Project planning and value for money*
 - Quality, effectiveness and clarity of project activities, structure, and timing.
 - Appropriateness of deliverables, KPIs and means of verification.
 - Appropriateness of expected costs and resources assigned to the project.

The independent experts will score each award criterion on a scale from 0 to 5 (decimal and centesimal point scores may be given):

- **0 = Proposal fails** to address the criterion or cannot be assessed due to missing or incomplete information.
- **1 = Poor:** criterion is inadequately addressed or there are serious inherent weaknesses.
- **2 = Fair:** proposal broadly addresses the criterion, but there are significant weaknesses.
- **3 = Good:** proposal addresses the criterion well, but a number of shortcomings is present.
- **4 = Very good:** proposal addresses the criterion very well, but a small number of shortcomings is present.
- **5 = Excellent:** proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

For each section, the **minimum threshold** is 3 out of 5 points. The default overall threshold, applying to the sum of the three individual scores, is 9. That means if a proposal receives less than 3 in one criterion or less than 9 in the overall score it is automatically rejected.

4. **Online interview and consensus meeting:** HosmartAI evaluators will gather in a teleconference meeting to talk with the top 8-12 shortlisted ranked proposals. During this teleconference, applicants will start by doing a pitch of their project concept, followed by a Q&A. This will be an opportunity for evaluators to cover any doubts that they may have about the written application as well as about the commitment and engagement of applicants towards participating in HosmartAI ecosystem. The evaluators will share, compare and revise (if necessary) their scores aiming to have a consensus about the respective proposal.
5. **Final ranking:** At the end of the evaluation process, the proposals will be ranked. The criteria for the ranking of the proposals will be semi-automatic following the rules below:
 - Rule 1: The proposals will be ranked based on their overall score.

- Rule 2: In case following Rule 1 there are proposals in the same position, priority will be given to proposals that have higher score on the *Excellence & Innovation* award criterion.
 - Rule 3: In case following Rule 2 there are proposals in the same position, priority will be given to proposals that have higher score on the *Expertise & Excellence* of the proposed team innovation award criterion.
 - Rule 4: In case following Rule 3 there are proposals in the same position, priority will be given to proposals with the highest number of female participants.
6. **Selection:** The proposals with higher scores, independently of the targeted topic/challenge, will be selected until reaching the available funding. However, the HosmartAI Consortium is not obliged to select the highest scoring proposal where it has objective grounds for objecting to the participant if, for example commercial competition issues or strategic issues to balance technologies between the different platforms available in HosmartAI become apparent during the evaluation process. In this case the choice may pass, to the next ranked proposal.
 7. The HosmartAI Consortium will then formally approve a list of proposals within the limits of the available funding.
 8. **Approval by European Commission** prior to contracting: The list of selected projects will be submitted to the European Commission for final screening.
 9. **Communication of Results:** Every applicant will receive via e-mail:
 - An Evaluation Summary Report (ESR)
 - A letter informing of rejection decision or invitation to negotiation and following steps.

The Consortium may conclude that there are not enough proposals with an adequate quality (indicated by their evaluation scores meeting or exceeding specific pre-defined thresholds), in which case it will make no selection or select fewer proposals than the cascaded funding budget allows. This conclusion is obligatory if not enough proposals score above the threshold given on the bespoke evaluation form.

5.2 Appeal procedures

If, at any stage of the evaluation process, the applicant considers that a mistake has been made or that the evaluators have acted unfairly or have failed to comply with the rules of this HosmartAI Open Call #1 - INNOVATE, and that her/his interests have been prejudiced as a result, the following appeal procedures are available.

A complaint should be drawn up in English and submitted by email to: opencalls@hosmartai.eu. Any complaint made should include:

- contact details,
- the subject of the complaint,
- information and evidence regarding the alleged breach.

Anonymous complaints or those not providing the mentioned information will not be considered. Complaints should also be made within five (calendar) days since the evaluation results are presented to the applicants. As a general rule, the HosmartAI Team will investigate the complaints with a view to arriving at a decision to issue a formal notice or to close the case

within no more than twenty days from the date of reception of the complaint, provided that all required information has been submitted by the complainant. Where this time limit is exceeded, the HosmartAI Team will inform the complainant by email.

Please note:

- This procedure is concerned only with the evaluation and/or eligibility checking process. The HosmartAI Team will not call into question the scientific or technical judgement of appropriately qualified experts.
- A re-evaluation will only be carried out if there is evidence of a shortcoming that affects the final decision on whether to fund it or not. This means, for example, that a problem relating to one evaluation criterion will not lead to a re-evaluation if a proposal has failed anyway on other criteria.
- The evaluation score following any re-evaluation will be regarded as definitive. It may be lower than the original score.

6 Contracting

6.1 Contract preparation

After the Open Call evaluation conclusion and projects selection, the HosmartAI coordinator will start the contract preparation in collaboration with the selected proposals' coordinators. Contract preparation will go via an administrative and financial checking (and potentially into technical or ethical/security negotiations) based on evaluators' comments. On a case by case approach, a phone call or teleconference may be needed for clarification.

The objective of the contract preparation is fulfilling the legal requirements between HosmartAI Consortium and every beneficiary of the call. The items covered will be:

- Inclusion of the comments (if any) in the Evaluation Summary Report of the proposals and mapping to the Sub-grant agreement (Contract).
- To validate the status information of the SME, the following documents will be required:
 - **SMEs declaration:** signed and stamped. In the event the applicant declares being nonautonomous, the balance sheet and profit and loss account (with annexes) for the last period for upstream and downstream organizations should also be provided.
 - **Status Information Form.** In case this is not a start-up, it includes the headcount (AWU), balance, profit & loss accounts of the latest closed financial year and the relation, upstream and downstream, of any linked or partner company. In case it is a start-up, legal document of the official founding date.
 - **Legal existence.** Company Register, Official Gazette or other official document per country showing the name of the organisation, the legal address and registration number and a copy of a document proving VAT registration (in case the VAT number does not show on the registration extract or its equivalent).
 - In cases where the number of employees and/or the ownership is not clearly identified: any other supporting documents which demonstrate headcount and ownership such as

payroll details, annual reports, national regional association records, etc. In case it is a start-up, legal document of the official founding date and declaration of ownership.

- **SME Bank account information:** The account where the funds will be transferred will be indicated via a form signed by the SME legal representative and the bank representative. The account should be a business bank account of the SME.

It should be emphasised that each SME should provide at contract preparation time a valid VAT identification number. Failure to provide the VAT number will automatically result in proposal rejection.

The request, by HosmartAI Consortium, of the above documentation will be done within predefined deadlines. In general, the sub-project negotiation should be concluded within 2 weeks. An additional week may be provided by the HosmartAI coordinator in case of a significant reasoning. In case contracting have not been concluded within the above period, the proposal is automatically rejected and the next proposal in the reserve list is invited.

6.2 Contract signature

At the end the contracting phase, the sub-grantee funding agreement will be signed between the HosmartAI Consortium represented by its coordinator (INTRA) and the beneficiary SME.

Please note:

- The sub-grantee funding agreement/contract will cover the complete 3 phases: Sprint #1, Sprint #2 and Sprint #3.
- No additional sub-grantee will be signed.
- The sub-grantee funding agreement will automatically expire at the end of each phase - Sprint #1, Sprint #2 and Sprint #3 - without any further notice from the HosmartAI Consortium, in case the SME does not enter or qualify for the next phase or if the SME is not considered eligible any more or if the Declaration of Honour has been violated.

7 Activities during INNOVATE Programme

The INNOVATE activities are divided in 3 sprints of 2 months each.

7.1 Milestones & Deliverables

The selected SMEs will have defined milestones and deliverables in their submitted proposals. These are the basis for monitoring and evaluating their work progress during the execution of the INNOVATE activities. The milestones and deliverables will be evaluated at the end of each sprint.

A remote review will take place after each sprint to evaluate the progress of the SMEs. One week before each review, the SMEs should submit their milestones and deliverables. The review will be remote via a teleconference platform (e.g. Zoom). The SMEs will make a short presentation of the work done, analyse the progress and answer questions from the experts.

After the review, within the period of 2 weeks the SMEs will receive a review report, including comments and potential recommendations. The report will also state if the deliverables are accepted or not.

- On acceptance of the deliverables, the SME may be requested to submit a financial statement requesting the payment of the corresponding sprint.
- Payments will be released no later than thirty (30) natural days after the notification by the Contractor.
- On rejection of any of the deliverables, or in case of not satisfactory review, the SME must re submit the deliverables. If deliverable(s) is approved it will qualify to proceed to the next sprint review, hence qualifying for its payment.

7.2 Participation in events

During the 3 sprints, the selected SMEs should participate in various types of events (audio calls, video calls, webinars, online training, virtual conferences, etc.) organized or suggested by the HosmartAI Consortium, to support the integration of their solution into HosmartAI's platform, extend their knowledge on the HosmartAI project, on healthcare sector needs, health-related technologies and health market. Each SME should be available to participate in a minimum of 6 remote events, and one face to face event in Europe.

After Sprint #3, the selected SMEs will provide maintenance services for a period of 12 months, to insure the functioning of the implemented and integrated solution within the HosmartAI project lifetime, at no additional cost.

8 Financial support provided

8.1 Financial support

The maximum amount of direct funding that an SME may receive via HosmartAI is € 50 000 via any means.

HosmartAI funding is results-driven, provided as payment in a lump sum way. As such, there is no need for a traditional administrative-justification system (e.g. counting hourly dedication or calculating workload), but getting the funding is associated with the full achievement of the relevant milestone.

Selected SMEs will become part of HosmartAI INNOVATE activities and will go through an exhaustive sequential process which will last 6 months and will be composed of 3 phases called sprints. Payments will be done in 3 instalments (35% + 35% + 30%) based on concrete results, deliverables and review of each sprint.

Summary of funding:

INNOVATE Phase	Duration	Funding	Example €50k
Sprint #1	2 months	35%	€ 17 500
Sprint #2	2 months	35%	€ 17 500
Sprint #3	2 months	30%	€ 15 000

Detailed payment schedule and payment conditions will be settled in the Sub-grant Agreement.

8.2 Origin of funds

Any selected proposer will sign a dedicated Sub-Grantee Funding Agreement with the HosmartAI project coordinator (on behalf of HosmartAI Consortium). The funds attached to the Sub-Grantee Funding Agreement come directly from the funds of the European Project HosmartAI, and the HosmartAI consortium is managing the funds according to the Grant Agreement Number 101016834 signed with the European Commission.

As will be indicated in the Sub-Grantee Funding Agreement, this relation between the sub-grantees and the European Commission through HosmartAI project carries a set of obligations to the sub-grantees with the European Commission. It is the task of the sub-grantees to accomplish them, and of the HosmartAI Consortium partners to inform about them.

9 Responsibility of beneficiaries

The selected SMEs are indirect beneficiaries of European Commission funding. As such, they are responsible for the proper use of the funding and ensure that the recipients comply with obligations under H2020 specific requirements as described in Horizon 2020 - the Framework Programme for Research and Innovation (2014-2020).

9.1 Conflict of interest

The beneficiary SMEs must take all measures to prevent any situation where the impartial and objective implementation of the INNOVATE activities is compromised for reasons involving economic interest, political or national affinity, family or emotional ties or any other shared interest ('conflict of interests').

They must formally notify to the HosmartAI coordinator without delay any situation constituting or likely to lead to a conflict of interests and immediately take all the necessary steps to rectify this situation.

The HosmartAI coordinator may verify that the measures taken are appropriate and may require additional measures to be taken by a specified deadline.

If the sub-contract member breaches any of its obligations, the sub-contract may be automatically terminated.

9.2 Data protection and confidentiality

During implementation of the INNOVATE activities and for four years after the end of the INNOVATE activities, the parties must keep confidential any data, documents or other material (in any form) that is identified as confidential at sub-contract signing time ('confidential information').

If SME requests, the Commission and the HosmartAI Consortium may agree to keep such information confidential for an additional period beyond the initial four years. This will be explicitly stated at the sub-contract.

If information has been identified as confidential during the sub-project execution or only orally, it will be considered to be confidential only if this is accepted by the HosmartAI coordinator and confirmed in writing within 15 days of the oral disclosure. Unless otherwise agreed between the parties, they may use confidential information only to implement the Contract.

The SME may disclose confidential information to the HosmartAI Consortium and to the selected reviewers, who will be bound by a specific Non-Disclosure Agreement.

9.3 Promoting action and give visibility to the EU funding

The SMEs must promote the INNOVATE activities, the HosmartAI project and its results, by providing targeted information to multiple audiences (including the media and the public) in a strategic and effective manner and to highlight the financial support of the EC. Detailed requirements are listed in Open Call Beneficiary Agreement (Contract) – Annex 7.

9.4 Audits and controls

The European Commission (EC) will monitor that HosmartAI beneficiaries and the beneficiary SME comply with the conditions for Financial Support to Third parties such as set out in the HosmartAI grant agreement and may take any action foreseen by the grant agreement in case of noncompliance vis à vis the beneficiary concerned.

The beneficiary SME shall keep all sub-project deliverables and the originals or, in exceptional cases, duly authenticated copies – including electronic copies – of all documents relating to the sub-project contract for up to five years from the end of the project.

9.5 General communication

During the project execution (INNOVATE activities) a mentor will be assigned to each selected project to support execution. The mentor will serve as a first contact point for the SME.

10 Intellectual property rights (IPR)

Applicants will remain the sole owners of their respective IPR and retain the IPR to their respective solutions.

The HosmartAI Consortium itself will not retain an equity stake in any applicant's company, nor will it retain any IPR. However, the HosmartAI Consortium will be granted the right to make internal use of any IPR applicants produce as part of their HosmartAI INNOVATE activities for a period of three years after the conclusion of the HosmartAI project.

Each evaluator will sign a non-disclosure agreement (NDA) before receiving access to the database of proposals in order to protect the intellectual property of the applicants.

However, HosmartAI and the European Commission may ask participants who have received funding to present their work as part of public relations and networking events in order to showcase the benefits of the HosmartAI project.

Checklist

- 1) Does your planned work fit with the call for proposals?** Check that your proposed work does indeed address one of the topics open in this call.
- 2) Is your proposal eligible?** The eligibility criteria are given in chapter 3 “Eligibility Criteria”.
- 3) Budgetary limits.** Check that you comply with any budgetary limits as expressed in chapter 8 “Financial support provided”. Any proposal not meeting the eligibility requirements will be considered ineligible and will not be evaluated.
- 4) Is your proposal complete?** Have you completed all mandatory questions?
- 5) Does your proposal fulfil the requested information?** Proposals should be precise, concise and must answer to requested information, which are designed to correspond to the applied evaluation. Omitting requested information will almost certainly lead to lower scores and possible rejection.
- 6) Have you maximised your chances?** There will be strong competition. Therefore, edit your proposal tightly, strengthen or eliminate weak points.
- 7) Have you submitted your proposal before the deadline?** It is strongly recommended not to wait until the last minute to submit the proposal. Failure of the proposal to arrive in time for any reason, including network communications delays, is not acceptable as an extenuating circumstance. The time of receipt of the message as recorded by the submission system will be definitive.
- 8) Have you provided the necessary annexes?**
- 9) Do you need further advice and support?** You are strongly advised to communicate with the HosmartAI team.

Contacts

The HosmartAI Consortium will provide information to the applicants via the F6S Online Q&A, so that the information (question and answer), will be visible to all participants.

- F6S Online Q&A: <https://www.f6s.com/hosmartai-open-call1/discuss>
- Apply via: <https://www.f6s.com/hosmartai-open-call1/apply>
- F6S support team: support@f6s.com
- More info at: <https://www.hosmartai.eu/>
- For extraordinary communication need, please contact the Help Desk: opencalls@hosmartai.eu

Annex 3

Application Form

OPEN CALL 1

Application submission starts on:

8 February 2022, 00:00 CET

Submission deadline:

8 April 2022, 17:00 CET

www.hosmartai.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016834





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016834




HosmartAI Open Call1

Call for AI Startups/SMEs [Edit](#)



Iwa & Catia

PRIVATE GROUP 

You'll receive emails about your application at iwa@f6s.com [Change it](#) 

Overview

About HosmartAI Open Call1

Funding

Let's get started

First, you just need to create a page for your company, startup or team

[Choose from existing](#) ▾



HosmartAI OPEN CALL #1 - APPLICATION PROCEDURE

Welcome! This is the online submission form for the HosmartAI 1st Open Call.

ABOUT THE CALL:

The call opened on the 8th February 2022 and has a total funding amount of €200 000. Through the call, startup/SME will be able to get funding of up to €50 000. The aim is to run demonstrators of 6 months to develop and integrate new AI modules into the HosmartAI ecosystem. The applicants can do it by: (1) solving HosmartAI challenges or (2) bringing new and high-valuable components to be integrated into the HosmartAI ecosystem.

APPLICATION FORM

The application form has the following mandatory sections:

1. PROPOSAL IDENTIFICATION
2. TOPIC/CHALLENGE SELECTION
3. PROPOSAL DESCRIPTION
4. ADMINISTRATIVE DATA
5. SCREENING DATA

— IMPORTANT —

Documents to be reviewed when preparing the application:

Annex 2: Guidelines for Applicants, defining the Open Call Terms & Conditions

Available at: www.hosmartai.eu/opencalls/

Annex 3.1: Proposal Template, to ensure that the important aspects of your planned work are clearly measurable with respect to the evaluation criteria.

Available at: www.hosmartai.eu/opencalls/

Annex 4: Honour Declaration, which declares that all conditions related to the HosmartAI Open Call #1 - INNOVATE - TECH are accepted by an SME legal representative

Available at: www.hosmartai.eu/opencalls/

Annex 5: SME Declaration, which evaluates the status of the participating SME

Available at: www.hosmartai.eu/opencalls/

If you have any questions, don't hesitate to ask them on the online Q&A page (www.f6s.com/hosmartai-open-call1/discuss) or for extraordinary communication needs, please contact the HosmartAI Open Call Help Desk: opencalls@hosmartai.eu.

Failure to provide the required information in all sections will result in disqualification.

Up to 50 000 EUR and a vibrant ecosystem await you. Good luck!

SECTION 1: PROPOSAL IDENTIFICATION

1 **Proposal Title ***

100

2 **Proposal Acronym ***

20

SECTION 2: TOPIC/CHALLENGE SELECTION

3 **There are {# to insert} different topics/ challenges that you can choose from to apply to HosmartAI. Please choose one. ***

SECTION 3: PROPOSAL DESCRIPTION

Please upload your proposal in Portable Document Format (pdf)

4 **Upload proposal (Max file size 30MB) (Max file size 30MB.) ***

Use the official template available at www.hosmartai.eu/opencalls/

Applicants using other kinds of template/ document will be automatically ineligible.

[Choose a File](#)

SECTION 4: ADMINISTRATIVE DATA

5 **SME Name ***

The official name of the SME

6 **Country ***

Country of registration

7 **VAT number**

8 **Incorporation year**

9 **PIC number**

10 **Contact person full name ***

Contact person for the proposal and coordination of the project

11 **Contact person email address ***

12 **Contact person phone number ***

In rare but urgent situations, we need to quickly get in touch with your team. (Include country code)

13 **Total requested budget ***

Please follow the pattern of reporting the budget e.g. 45,999.00 € (NOT 45.999 EUR or any other). Maximum eligible budget request s 50,000.00€. Proposals requesting a higher budget will be automatically disqualified.

14 **Please upload the "Annex 4: Honour Declaration" properly fill-in and signed (Max file size 30MB. (Max file size 30MB.) ***

You may download the document here: [LINK TO DOCUMENT](#)

[Choose a File](#)

15 **Please upload the "Annex 5: SME Declaration" properly fill-in and signed (Max file size 30MB.) (Max file size 30MB.) ***

You may download the document here: [LINK TO DOCUMENT](#)

[Choose a File](#)

SECTION 5: SCREENING QUESTIONS

16 **Acceptance of the HosmartAI Open Call Terms & Conditions full call documents are available at www.hosmartai.eu/opencalls/ ***

- By ticking this box, the applicant confirms that he/she has reviewed, accept and comply with the HosmartAI Open Call Terms & Conditions as defined in the Guidelines for applicants

17 **Authorisation to apply in the name of ***

- By ticking this box, I confirm the information submitted within this application is true. I am authorised to apply in the name of my Startup/SME

18 **Conflict of interest avoidance with HosmartAI Consortium**

The HosmartAI Consortium partners are listed at: www.hosmartai.eu/theproject/the-consortium/

- By ticking this box, I confirm the members of the team involved in the proposal are not employees of any of the HosmartAI Conosortium legal partners or their associated/linked-entities.

19 **Fraudulent behaviour avoidance ***

- By ticking this box, I confirm the organisation(s) or individual(s) applying do not have convictions for fraudulent behaviour, other financial irregularities, unethical or illegal business practices.

20 **Bankruptcy information ***

- By ticking this box, I confirm the participating organisation(s) do(es) not have been declared bankrupt or have initiated bankruptcy procedures.

21 **European Commission Regulation No 651/2014, art. 2.18 ***

- By ticking this box, I confirm the applicant(s) is not under liquidation or is not an enterprise under difficulty accordingly to the Commission Regulation No 651/2014, art. 2.18,

22 **Double funding and operational capacity ***

By ticking this box, I confirm the applicant(s) has not received funding for a similar project and that the applicant(s) has enough Operational Capacity to carry out the work. In addition, the applicant(s) gives consent to the HosmartAI consortium to share the needed information (such as entities names and project details (abstract or the full proposal)) with other projects (ACCELERATE and AIDPATH) for the only purpose of cross-checking that there is no double funding or operational capacity conflict.

I agree

23 **Acceptance of the Data Privacy Policies ***

I accept the data privacy policy as detailed in Annex 2

24 **How did you hear about HosmartAI? ***

Select One ▼

Recommendations [?](#)

Ask for new Recommendations [?](#)

Type name or email

Request

R&D Tax Credit	SR&ED Tax Credits	Deal Flow Management Software	Accounting for Startups
Top Companies			
Startup Deals	Accelerators	Events	Startup Services
Hosting Deals	GAN Accelerators	Popular Startup Events	Government Grants
	Startup Contests	Startup Events Nearby	SEIS vs EIS
	Angel Groups	Create Startup Event	Grant Audits
	Startup Partners for Pilots	Startup Events	R&D Tax Credits Calculator
	Investment Funds	Business Networking	R&D Tax Credits Consultants
		Hackathon Competitions	R&D Tax Credits FAQs
		Workshops and Webinars	SR&ED Calculator
		Startup Demos	EIS Scheme
			SEIS Scheme
About F6S			
Feedback			
Internet of Things			
Community			
Jobs	UI and UX Jobs	Finance Jobs	Database Admin Jobs
Internship Jobs	Post a Job	Engineering Jobs	Operations Jobs
System Admin Jobs	Back End Developer Jobs	Co-Founder Jobs	Mobile Developer Jobs
Product Management Jobs	DevOps Jobs	Front End Developer Jobs	Full Time Employment Jobs
Sales Bus Developer Jobs	Hardware Engineering Jobs	Accounting Jobs	Marketing Jobs
Contractual Jobs	Full Stack Developer Jobs	Data Science Jobs	Growth Hacking Jobs
Business Development Jobs	Submit Jobs		

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Annex 3.1

Description of Work

OPEN CALL 1

Application submission starts on:

8 February 2022, 00:00 CET

Submission deadline:

8 April 2022, 17:00 CET

www.hosmartai.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016834



INSTRUCTIONS

HosmartAI Open Call #1 – INNOVATE for Tech

Please use this template to prepare your proposal. It has been organised to ensure that the important aspects of your planned work are clearly measurable with respect to the evaluation criteria. Sections 1 to 4 each correspond to an evaluation criterion (see the Guidelines for Applicants document for details: <https://www.hosmartai.eu/opencalls/>)

The structure of this template must be followed when preparing your proposal. Applicants using other kind of template/ document structure will be automatically ineligible.

Only proposals that successfully address all the required aspects will have a chance of being funded.

Please take advantage of the different communication instruments offered by the HosmartAI Consortium (i.e. info webinars, help-desk, online Q&A, and FAQ section in the website) to receive feedback on any questions you may have before submitting your proposal.

The **page limit for full proposal is 10 pages** (Not including cover page, table of content page and the Ethical/Security Checklist). Please also respect the limits indicated in each section. All tables and eventual figures must be included within this limit. The allowed font type is “Tw Cen MT” alternatively “Calibri” and the minimum font size is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm.

If you attempt to upload a proposal longer than the specified limit, **excess pages will be made invisible, and will not be taken into consideration by the evaluators.**

!Please delete this page when submitting the proposal !

!Delete the guidance text in blue in each section !

HosmartAI Open Call #1 – INNOVATE for Tech

Acronym of your proposal

Full title of your proposal

Coordinator name of this proposal

Contact to the Coordinator

SME name

SME logo (If any)



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1. Overview of the proposal (maximum 1 page)

Indicate by ticking the corresponding box which topic/ challenge you are applying for.

Table 1: Topic/ Challenge selection

Topic/ Challenge	Addressed in the proposal
Topic 1 - AI- or data-based services for the healthcare sector enabled by the HosmartAI platform	<input type="checkbox"/>
Topic 2 - Creation of a HL7-FHIR de-identification and pseudonymization tool	<input type="checkbox"/>
Topic 3 - Creation of a federated database system based on a popular open source FHIR Server implementation	<input type="checkbox"/>
Topic 4 - Vector space map with 3D-5D interactive graphic interface	<input type="checkbox"/>
Topic 5 - Data Parsing and Mapping Utility	<input type="checkbox"/>

1.1 Executive summary

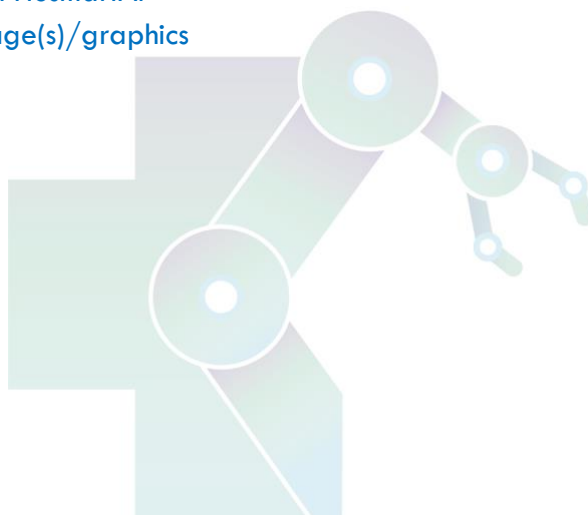
Justify your selection briefly and describe your proposal.
 Maximum 350 words

Text style to be used

2. Excellence/innovation (maximum 3 pages + 1 page for image(s))

- Describe the overall **project idea** and **objectives** within the scope of the call in a credible and clear way, **addressing the selected topic**.
- Include the alignment to the HosmartAI's vision and objectives and **the way the proposed solution intends to be integrated in HosmartAI's platform**.
- Identify the **technical challenges** and barriers expected to be solved.
- Identify the **technology readiness level** of the proposed solution and its benefits for end-users.
- Justify your **project outcomes** (which should be clear, measurable, and realistic) and how they will generate added-value with respect to HosmartAI's vision and objectives.
- Define the potential **socio-economic impact** of your solution
- Explain the **exploitation potential of your project**. How do you foresee the exploitation of your project through HosmartAI
- Include relevant image(s)/graphics

Text style to be used



3. Expertise and excellence of the team (max. 2 pages)

Summarise the SME team involved in the project in the table below. Notice that the people included in the proposal must be later involved in the execution.

Table 2: Proposed Team

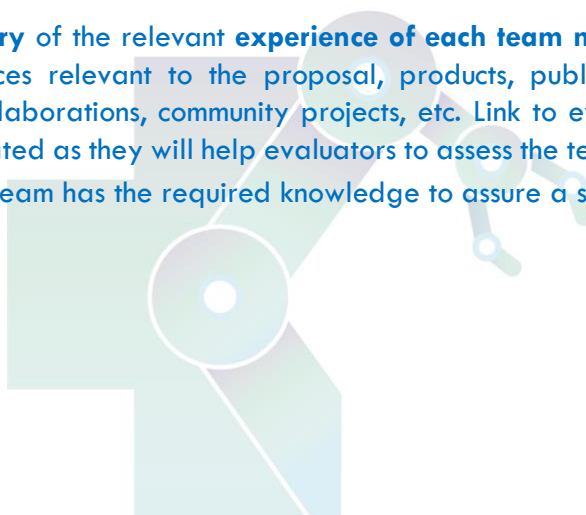
Name of the person	Role in the project	Link to LinkedIn profile or equivalent	Gender

Add lines as required

Below please provide:

- A **short summary** of the relevant **experience of each team member**. Include previous project references relevant to the proposal, products, publications, participation in conferences, collaborations, community projects, etc. Link to evidence of these records will be appreciated as they will help evaluators to assess the team experience and skills
- Justify why the team has the required knowledge to assure a successful project execution.

Text style to be used



4. Project planning and value for money (maximum 3 pages)

4.1 Project activities and deliverables, and milestones

Notice that INNOVATE activities have three phases (sprints) of 2-month each, to progress in the development and integration of the proposed solution. Take this into account to align this with your planning.

4.1.1 Main activities of the project

Describe the activities that will take place in your project from the technical point of view. Break down your work into each sprint (design, develop, integrate), list tasks and provide timing of the different activities and components. This section should answer the question “how are we going to implement the project to reach the defined objectives?”

Text style to be used

4.1.2 Deliverables

Please list the main deliverables of the project.

Table 3: Deliverables

Deliverable Number	Deliverable description	Means of verification	Deadline (Month =M)
			M2
			M4
			M6

Note: size of the table can be modified according to the needs.

4.1.3 KPIs

Please list a minimum three KPIs.

4.2 Value for money maximum 1 page)

Please indicate the number of person-months (full-time equivalent) of people involved in the project in the table below for the 6 months of project:

Table 4: Person-month and Personnel costs

Name of the person	Person-month (PM)	Monthly rate in € (MR) (Actual cost only)	Direct personnel costs (PMxMR)
Total			

Add lines as required

Notice that a PM is a metric for expressing the effort of a person dedicated full time in one month.

Provide a description of expected costs and the requested total contribution using the table.

Table 5: Total budget

Item	Amount (€)
Direct personnel costs (a)	
Other direct cost (Equipment) (b) (Depreciation cost only)	
Other direct cost (Software licenses) (c)	
Other direct cost (Travel expenses) (d)	
Other direct cost (Others) (e)	
Indirect costs (0,25 x (a +b +c +d+e))	
Total	

Note: Subcontracting is not allowed, unless strong justification is provided and that applies only for minor parts. Selected SME is accountable to execute the core activities of the project.

Table 6: Ethical issues


	YES/NO
Informed Consent	
• Does the proposal involve children?	
• Does the proposal involve patients or persons not able to give consent?	
• Does the proposal involve adult healthy volunteers?	
• Does the proposal involve Human Genetic Material?	
• Does the proposal involve Human biological samples?	
• Does the proposal involve Human data collection?	
Research on Human embryo/foetus	
• Does the proposal involve Human Embryos?	
• Does the proposal involve Human Foetal Tissue / Cells?	
• Does the proposal involve Human Embryonic Stem Cells?	
Privacy	
• Does the proposal involve processing of genetic information or personal data (e.g. health, sexual lifestyle, ethnicity, political opinion, religious or philosophical conviction)	
• Does the proposal involve tracking the location or observation of people?	
Research on Animals	
• Does the proposal involve research on animals?	
• Are those animals transgenic small laboratory animals?	
• Are those animals transgenic farm animals?	
• Are those animals cloned farm animals?	
• Are those animals nonhuman primates?	
Research Involving Developing Countries	
• Use of local resources (genetic, animal, plant etc)	
• Benefit to local community (capacity building i.e. access to healthcare, education etc)	
Dual Use	
• Research having direct military application	
• Research having the potential for terrorist abuse	

ICT Implants	
<ul style="list-style-type: none"> • Does the proposal involve clinical trials of ICT implants? 	
I CONFIRM THAT NONE OF THE ABOVE ISSUES APPLY TO MY PROPOSAL	YES/NO

Ethics

If you have entered any ethics issues in the ethical issue table, you must:

- submit an ethics self-assessment, which:
 - describes how the proposal meets the national legal and ethical requirements of the country or countries where the tasks raising ethical issues are to be carried out;
 - explains in detail how you intend to address the issues in the ethical issues table, in particular as regards:
 - research objectives (e.g. study of vulnerable populations, dual use, etc.)
 - research methodology (e.g. clinical trials, involvement of children and related consent procedures, protection of any data collected, etc.)
 - the potential impact of the research (e.g. dual use issues, environmental damage, stigmatization of particular social groups, political or financial retaliation, benefit-sharing, malevolent use, etc.).
- provide the documents that you need under national law (if you already have them), e.g.:
 - an ethics committee opinion;
 - the document notifying activities raising ethical issues or authorizing such activities

 *If these documents are not in English, you must also submit an English summary of them (containing, if available, the conclusions of the committee or authority concerned).*

 *If you plan to request these documents specifically for the project you are proposing, your request must contain*

Security

Please indicate if your project will involve:

- Activities or results raising security issues:(YES/NO)
- 'EU-classified information' as background or results: Any potential “dual use” of results:(YES/NO)
- Any potential “dual use” of results:(YES/NO)

Annex 4

Applicant Declaration of Honour

OPEN CALL 1

Application submission starts on:

8 February 2022, 00:00 CET

Submission deadline:

8 April 2022, 17:00 CET

www.hosmartai.eu

This project has received funding from the European
Union's Horizon 2020 research and innovation
programme under grant agreement No 101016834



Applicant Declaration of Honour

Title of the proposal: _____

On behalf of _____ (Company name) established in _____, (Official SME address), SME VAT number _____,¹ represented for the purposes of signing and submitting the proposal and the Declaration of Honor by _____ (Name of legal representative),

By signing this document, I declare that

1. I have the power of legally binding the above-mentioned SME on submitting this proposal.
2. The above-mentioned SME has not submitted any other proposal under HosmartAI Open Call #1 – INNOVATE for Tech. In case the above-mentioned SME has submitted more than one proposal in this Open Call, all but the last one associated proposals will be automatically excluded from the evaluation process.
3. I and the above SME that I legally represent are fully aware and duly accept all HosmartAI rules and conditions as expressed in HosmartAI Open Call documents and all Annexes, and will fully respect any evaluation decision and proposal selection under HosmartAI INNOVATE for Tech activities.
4. The information included in the Annex 5: SME Declaration document is true and legally binding.
5. All provided information in this declaration is true and legally binding.

SME Legal representative Contact Information:

Title (Mr, Mrs, Dr.)	
Name	
Surname	
Position in the company	
Full Address	
Country	
Email Address	
Telephone	
Mobile	
Signature and stamp	

¹ VAT is mandatory during the contract preparation. Failure providing of a valid VAT of the specific SME will result in automatic rejection of the proposal.

Declaration of Honor on exclusion criteria and absence of conflict of interest

By signing this declaration of honour, I declare that all provided information below is true and legally binding both for me and for the SME that I legally represent:

1. I declare that the mentioned SME is not in one of the following situations:
 - a. it is bankrupt or being wound up, is having its affairs administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning those matters, or is in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
 - b. it or persons having powers of representation, decision making or control over it have been convicted of an offence concerning their professional conduct by a judgment which has the force of res judicata;
 - c. it has been guilty of grave professional misconduct proven by any means which the contracting authority can justify including by decisions of the European Investment Bank and international organizations;
 - d. it is not in compliance with its obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which it is established or with those of the country of the contracting authority or those of the country where the contract is to be performed, to be proved by the deliverance of official documents issued by the local authorities, according to the local applicable rules;
 - e. it or persons having powers of representation, decision making or control over it have been the subject of a judgement which has the force of res judicata for fraud, corruption, involvement in a criminal organization or any other illegal activity, where such illegal activity is detrimental to the Union's financial interests;
 - f. is subject to an administrative penalty for being guilty of misrepresenting the information required by the contracting authority as a condition of participation in a grant award procedure or another procurement procedure or failing to supply this information or having been declared to be in serious breach of its obligations under contracts or grants covered by the Union's budget.
2. I declare that the natural persons with power of representation, decision-making or control over the above-mentioned SME are not in the situations referred to in a) to f) above;
3. I declare that:
 - a. Neither myself nor any person that I know is subject to a HosmartAI conflict of interest;
 - b. I have not made false declarations in supplying the information required by participation in the Open Call of HosmartAI Project or does not fail to supply this information;
 - c. I am not in one of the situations of exclusion, referred to in the abovementioned points a) to f).
 - d. I am aware and fully accept all HosmartAI condition and rules as expressed in HosmartAI Open Call documents Annex 1, Annex 2, Annex 3, Annex 3.1, Annex 4, Annex 5, Annex 6 and Annex 7.
4. I certify that the SME that I represent:
 - is committed to participate in the abovementioned project;
 - has stable and sufficient sources of funding to maintain its activity throughout its participation in the above-mentioned project and to provide any counterpart funding necessary;
 - has or will have the necessary resources as and when needed to carry out its involvement in the above-mentioned project

Full name: On behalf of SME:	Signature and stamp (if applicable)
Done at (place) the (day) (month) (year)	

Annex 5

SME Declaration

OPEN CALL 1

Application submission starts on:

8 February 2022, 00:00 CET

Submission deadline:

8 April 2022, 17:00 CET

www.hosmartai.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016834



Declaration on information on the SME qualification

Precise identification of the applicant enterprise

Name or Business name

.....

Address (of registered office)

.....

Registration / VAT number

.....

Names and titles of the principal director(s).....

Type of enterprise (see explanatory note)

Tick to indicate which case(s) applies to the applicant enterprise:

- Autonomous enterprise In this case the data filled in the box below result from the accounts of the applicant enterprise only. Fill in the declaration only, without annex.
- Partner enterprise Fill in and attach the annex (and any additional sheets), then complete the declaration by copying the results of the calculations into the box below.
- Linked enterprise

Data used to determine the category of enterprise

Calculated according to Article 6 of the Annex to the Commission Recommendation 2003/361/EC on the SME definition.

Reference period (*)		
Headcount (AWU)	Annual turnover (**)	Balance sheet total (**)

(*) All data must be relating to the last approved accounting period and calculated on an annual basis. In the case of newly-established enterprises whose accounts have not yet been approved, the data to apply shall be derived from a reliable estimate made in the course of the financial year
 (**) EUR 1 000.

Important:

Compared to the previous accounting period there is a change regarding the data, which could result in a change of category of the applicant enterprise (micro, small, medium-sized or big enterprise).

- No**
- Yes** (in this case fill in and attach a declaration regarding the previous accounting period).

Signature

Name and position of the signatory, being authorised to represent the enterprise:

.....

.....

I declare on my honour the accuracy of this declaration and of any annexes thereto.

Done at

Signature

EXPLANATORY NOTE ON THE TYPES OF ENTERPRISES TAKEN INTO ACCOUNT FOR CALCULATING THE HEADCOUNT AND THE FINANCIAL AMOUNTS

I. TYPES OF ENTERPRISES

The definition of an SME¹ distinguishes three types of enterprise, according to their relationship with other enterprises in terms of holdings of capital or voting rights or the right to exercise a dominant influence².

Type 1: Autonomous Enterprise

This is by far the most common type of enterprise.

It applies to all enterprises which are not one of the two other types of enterprise (partner or linked).

An applicant enterprise is autonomous if it:

- does not have a holding of 25%³ or more in any other enterprise,
- and is not 25%³ or more owned by any enterprise or public body or jointly by several linked enterprises or public bodies, apart from some exceptions⁴,
- and does not draw up consolidated accounts and is not included in the accounts of an enterprise which draws up consolidated accounts and is thus not a linked enterprise⁵.

Type 2: Partner Enterprise

This type represents the situation of enterprises which establish major financial partnerships with other enterprises, without the one exercising effective direct or indirect control over the other. Partners are enterprises which are not autonomous, but which are not linked to one another.

The applicant enterprise is a partner of another enterprise if:

- it has a holding or voting rights equal to or greater than 25% in the other enterprise, or the other enterprise has a holding or voting rights equal to or greater than 25% in the applicant enterprise,
- the enterprises are not linked enterprises within the meaning defined below, which means, among other things, that the voting rights of one in the other do not exceed 50%,

¹ Henceforth in the text, the term "Definition" refers to the Annex to Commission Recommendation 2003/361/EC on the definition of SMEs.

² Definition, Article 3

³ In terms of the share of the capital or voting rights, whichever is higher is applied. To this percentage should be added the holding in that same enterprise of each enterprise, which is linked to the holding company (Definition, Article 3 paragraph 2)

⁴ An enterprise may continue being considered as autonomous when this 25% threshold is reached or exceeded, if that percentage is held by the following categories of investors (provided that those are not linked with the applicant enterprise):

- a) public investment corporations, venture capital companies, individuals or groups of individuals with a regular venture capital investment activity who invest equity capital in unquoted businesses ("business angels"), provided the total investment of those business angels in the same enterprise is less than EUR 1 250 000,
- b) universities or non-profit research centres,
- c) institutional investors, including regional development funds,
- d) autonomous local authorities with an annual budget of less than EUR 10 million and less than 5000 inhabitants.

(Definition, Article 3 paragraph 2, second sub-paragraph)

⁵ - If the registered office of the enterprise is situated in a Member State which has provided for an exception to the requirement to draw up such accounts pursuant to the Seventh Council Directive 83/349/EEC of 13 June 1983, the enterprise should nevertheless check specifically whether it does not meet one or other of the conditions laid down in Article 3 paragraph 3 of the Definition.

- There are also some very rare cases in which an enterprise may be considered linked to another enterprise through a person or a group of natural persons acting jointly (Definition, Article 3 paragraph 3).

- Conversely, there are very few cases of enterprises drawing up consolidated accounts voluntarily, without being required to do so under the Seventh Directive. In that case, the enterprise is not necessarily linked and can consider itself only a partner. To determine whether the enterprise is linked or not, in each of the three situations it should be checked whether or not the enterprise meets one or other of the conditions laid down in Article 3 paragraph 3 of the Definition, where applicable through a natural person or group of natural persons acting jointly.

- and the applicant enterprise does not draw up consolidated accounts which include the other enterprise by consolidation, and is not included by consolidation in the accounts of the other enterprise or of an enterprise linked to it⁵.

Type 3: Linked Enterprise

This type corresponds to the economic situation of enterprises which form a group through the direct or indirect control of the majority of the voting rights (including through agreements or, in certain cases, through natural persons as shareholders), or through the ability to exercise a dominant influence on an enterprise. Such cases are thus less frequent than the two preceding types.

In order to avoid difficulties of interpretation for enterprises, the Commission has defined this type of enterprise by taking over – wherever they are suitable for the purposes of the Definition – the conditions set out in Article 1 of Council Directive 83/349/EEC on consolidated accounts⁶, which has been applied for many years.

An enterprise thus generally knows immediately that it is linked, since it is already required under that Directive to draw up consolidated accounts or is included by consolidation in the accounts of an enterprise which is required to draw up such consolidated accounts.

The only two cases, which are however not very frequent, in which an enterprise can be considered linked although it is not already required to draw up consolidated accounts, are described in the first two indents of endnote 5 of this explanatory note. In those cases, the enterprise should check whether it meets one or other of the conditions set out in Article 3 paragraph 3 of the Definition.

II. THE HEADCOUNT AND THE ANNUAL WORK UNITS⁷

The headcount of an enterprise corresponds to the number of annual work units (AWU).

Who is included in the headcount?

- The employees of the applicant enterprise,
- persons working for the enterprise being subordinate to it and considered to be employees under national law,
- owner-managers,
- partners engaging in a regular activity in the enterprise and benefiting from financial advantages from the enterprise.

Apprentices or students engaged in vocational training with an apprenticeship or vocational training contract are not taken into account in the headcount.

How is the headcount calculated?

One AWU corresponds to one person who worked full-time in the enterprise in question or on its behalf during the entire reference year. The headcount is expressed in AWUs.

The work of persons, who did not work the entire year, or who worked part-time - regardless of its duration - and seasonal work is counted as fractions of AWU.

The duration of maternity or parental leaves is not counted.

⁶ Seventh Council Directive 83/349/EEC of 13 June 1983, based on Article 54(3)(g) of the Treaty and concerning consolidated accounts (OJ L 193, 18/7/1983, p. 1), as last amended by Directive 2001/65/EC of the European Parliament and of the Council (OJ L 283, 27/10/01, p. 28).

⁷ Definition, Article 5.

ANNEX TO THE DECLARATION CALCULATION FOR THE PARTNER OR LINKED TYPE OF ENTREPRISE

Annexes to be enclosed if necessary

- Annex A if the applicant enterprise has at least one partner enterprise (and any additional sheets)
- Annex B if the applicant enterprise has at least one linked enterprise (and any additional sheets)

Calculation for the partner or linked type of enterprise⁸ (see explanatory note)

Reference period ⁹ :			
	Headcount (AWU)	Annual turnover (*)	Balance sheet total (*)
1. Data ⁹ of the applicant enterprise or consolidated accounts (copy data from box B(1) in annex B ¹⁰)			
2. Proportionally aggregated data ⁹ of all partner enterprises (if any) (copy data from box A in annex A)			
3. Added up data ⁹ of all linked enterprises (if any) – if not included by consolidation in line 1 (copy data from box B(2) in annex B)			
Total			

(*) EUR 1 000.

The data entered in the "Total" row of the above table should be entered in the box "Data used to determine the category of enterprise" in the declaration.

⁸ Definition, Article 6 paragraphs 2 and 3

⁹ All data must be relating to the last approved accounting period and calculated on an annual basis. In the case of newly-established enterprises whose accounts have not yet been approved, the data to apply shall be derived from a reliable estimate made in the course of the financial year (Definition, Article 4).

¹⁰ The data of the enterprise, including the headcount, are determined on the basis of the accounts and other data of the enterprise or, where they exist, the consolidated accounts of the enterprise, or the consolidated accounts in which the enterprise is included through consolidation.

ANNEX A

Partner enterprises

For each enterprise for which a 'partnership sheet' has been completed (one sheet for each partner enterprise of the applicant enterprise and for any partner enterprises of any linked enterprise, of which the data is not yet included in the consolidated accounts of that linked enterprise), the data in the 'partnership box' in question should be entered in the summary table below:

BOX A

Partner enterprise (name / identification)	Headcount (AWU)	Annual turnover (*)	Balance sheet total (*)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
Total			

(*) EUR 1 000.

(attach sheets or expand the present table, if necessary)

Reminder:

This data is the result of a proportional calculation done on the 'partnership sheet' for each direct or indirect partner enterprise.

The data entered in the "Total" row of the above table should be entered in line 2 (regarding partner enterprises) of the table in the Annex to the declaration.

PARTNERSHIP SHEET

1. Precise identification of the applicant enterprise

Name or Business name.....
 Address (of registered office)
 Registration/VAT number¹¹
 Names and titles of the principal director(s)¹²

2. Raw data regarding that partner enterprise

Reference period			
	Headcount (AWU)	Annual turnover (*)	Balance sheet total (*)
Raw data			

(*) EUR 1 000.

Reminder: These raw data are derived from the accounts and other data of the partner enterprise, consolidated if they exist. To them are added 100% of the data of enterprises which are linked to this partner enterprise, unless the accounts data of those linked enterprises are already included through consolidation in the accounts of the partner enterprise¹³. If necessary, add “linkage sheets” for the enterprises which are not yet included through consolidation.

3. Proportional calculation

- a) Indicate precisely the holding¹⁴ of the enterprise drawing up the declaration (or of the linked enterprise via which the relation to the partner enterprise is established) in the partner enterprise to which this sheet relates:

.....

Indicate also the holding of the partner enterprise to which this sheet relates in the enterprise drawing up the declaration (or in the linked enterprise):

.....

- b) The higher of these two holding percentages should be applied to the raw data entered in the previous box. The results of this proportional calculation should be given in the following table:

‘Partnership box’

Percentage:	Headcount (AWU)	Annual turnover (*)	Balance sheet total (*)
Proportional results			

(*) EUR 1 000.

These data should be entered in Box A in Annex A.

¹¹ To be determined by the Member State according to its needs

¹² Chairman (CEO), Director-General or equivalent.

¹³ Definition, Article 6 paragraph 3, first sub-paragraph

¹⁴ In terms of the share of the capital or voting rights, whichever is higher. To this holding should be added the holding of each linked enterprise in the same enterprise (Definition, Article 3 paragraph 2 first sub-paragraph).

ANNEX B

Linked enterprises

DETERMINE THE CASE APPLICABLE TO THE APPLICANT ENTERPRISE:

Case 1: The applicant enterprise draws up consolidated accounts or is included by consolidation in the consolidated accounts of another enterprise. (Box B(1))

Case 2: The applicant enterprise or one or more of the linked enterprises do not establish consolidated accounts or are not included in the consolidated accounts. (Box B(2)).

Please note: The data of the enterprises, which are linked to the applicant enterprise, are derived from their accounts and their other data, consolidated if they exist. To them are aggregated proportionally the data of any possible partner enterprise of that linked enterprise, situated immediately upstream or downstream from it, unless it has already been included through consolidation¹⁵.

CALCULATION METHODS FOR EACH CASE:

In case 1: The consolidated accounts serve as the basis for the calculation. Fill in Box B(1) below.

Box B(1)

	Headcount (*)	Annual turnover (**)	Balance sheet total (**)
Total			

(*) Where in the consolidated accounts no headcount data appears, the calculation of it is done by adding the data from the enterprises to which the enterprise in question is linked.

(**) EUR 1 000.

The data entered in the "Total" row of the above table should be entered in line 1 of the table in the Annex to the declaration.

Identification of the enterprises included through consolidation

Linked enterprise (name / identification)	Address (of registered office)	Registration / VAT number (*)	Names and titles of the principal director(s) (**)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
Total			

(*) To be determined by the Member State according to its needs

(**) Chairman (CEO), Director-General or equivalent.

¹⁵ Definition, Article 6 paragraph 3, second sub-paragraph

Important: Partner enterprises of such a linked enterprise, which are not yet included through consolidation, are treated like direct partners of the applicant enterprise. Their data and a 'partnership sheet' should therefore be added in Annex A.

In case 2: For each linked enterprise (including links via other linked enterprises), complete a "linkage sheet" and simply add together the accounts of all the linked enterprises by filling in Box B(2) below.

Box B(2)

Enterprise No.:	Headcount (AWU)	Annual turnover (**)	Balance sheet total (**)
1. (*)			
2. (*)			
3. (*)			
Total			

(*) attach one "linkage sheet" per enterprise

(**) EUR 1 000.

The data entered in the "Total" row of the above table should be entered in line 3 (regarding linked enterprises) of the table in the Annex to the declaration.



LINKAGE SHEET

(only for linked enterprises not included by consolidation in Box B)

1. Precise identification of the applicant enterprise

Name or Business name.....
 Address (of registered office).....
 Registration/VAT number¹⁶.....
 Names and titles of the principal director(s)¹⁷.....

2. Data on enterprise

Reference period			
	Headcount (AWU)	Annual turnover (*)	Balance sheet total (*)
Total			

(*) EUR 1 000.

These data should be entered in Box B(2) in Annex B.

Important: The data of the enterprises, which are linked to the applicant enterprise, are derived from their accounts and their other data, consolidated if they exist. To them are aggregated proportionally the data of any possible partner enterprise of that linked enterprise, situated immediately upstream or downstream from it, unless it has already been included through consolidation¹⁸.

Such partner enterprises are treated like direct partner enterprises of the applicant enterprise. Their data and a 'partnership sheet' have therefore to be added in Annex A.

¹⁶ To be determined by the Member State according to its needs

¹⁷ Chairman (CEO), Director-General or equivalent.

¹⁸ If the data of an enterprise are included in the consolidated accounts to a lesser proportion than the one determined under Article 6 paragraph 2, the percentage rate according to that article should be applied (Definition, Article 6 paragraph 3, second sub-paragraph).

Annex 6

Bank Account Information

OPEN CALL 1

Application submission starts on:

8 February 2022, 00:00 CET

Submission deadline:

8 April 2022, 17:00 CET

www.hosmartai.eu

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101016834



Annex 7

Open Call Beneficiary Agreement

OPEN CALL 1

Application submission starts on:

8 February 2022, 00:00 CET

Submission deadline:

8 April 2022, 17:00 CET

www.hosmartai.eu

This project has received funding from the European
Union's Horizon 2020 research and innovation
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Contracting parties

INTRASOFT International S.A., established in Tour Bastion, Place du Champ de Mars 5/10, 1050, Bruxelles, Belgium, with VAT number BE0472324870, represented for the purpose of signing the Agreement by [LEGAL_REPRESENTATIVE], [LEGAL_REPRESENTATIVE_POSITION], Hereinafter referred to as the “Contractor”

and

FUNDACION INSTITUTO TECNOLÓGICO DE CASTILLA Y LEON, established in Calle López Bravo 70, 09001, Burgos, Spain, with VAT number ESG09226606, represented for the purpose of signing the Agreement by [LEGAL_REPRESENTATIVE], [LEGAL_REPRESENTATIVE_POSITION], Hereinafter referred to as the “Treasurer”

of the one part, and

[COMPANY_NAME], an SME organized under the laws of [COUNTRY], established in [LEGAL_ADDRESS], with VAT number [VAT_NUMBER], duly represented by [LEGAL_REPRESENTATIVE], [LEGAL_REPRESENTATIVE_POSITION],

Hereinafter referred to as the “Beneficiary”

of the other part

Hereinafter collectively referred to as the “Contracting Parties”

HAVE AGREED to the following terms and conditions including those in the following Annexes, which form an integral part of this HosmartAI Open Call #1 – INNOVATE for Tech Beneficiary Agreement (hereinafter referred as the “Contract”)

General Provisions

1. The European Commission (hereinafter referred as the “EC”) and the Contractor, as a member of the HosmartAI Consortium, have signed the Grant Agreement no 101016834 for the implementation of the project “Hospital Smart development based on AI” (Acronym: HosmartAI) within the framework of the Programme H2020-DT-2018-2020/H2020-DT-2020-1.
2. The Beneficiary has received the favourable resolution by the external evaluators and therefore is entitled to receive funding and services according to the terms and conditions set out under this Beneficiary Agreement and in accordance with the Annex 2: Guidelines for Applicants.
3. This Contract aims at defining the framework of rights and obligations of the Contracting Parties.
4. The funds received by the Beneficiary are property of the EC. The Contractor and the Treasurer are mere holders and managers of the funds.

Definitions

1. **Open Call Committee** (OCC) consists of representatives of the Consortium Members.
2. **INNOVATE** is the 6-month programme after the Open Call, where the approved 3rd-party project is active under the sprint 1, sprint 2 and sprint 3 phases with activities leading to design, develop and integrate technology to the HosmartAI ecosystem. The detailed plan

mandatory to be executed under this agreement during INNOVATE is the proposal following Annex 3.1 Description of Work, submitted by the SME and improved by comments from evaluators if recommended.

3. **Results** means any (tangible or intangible) output of the INNOVATE such as data, knowledge, software, report or information — whatever its form or nature, whether it can be protected or not — that is generated in the INNOVATE, as well as any rights attached to it, including intellectual property rights.
4. **Background** means any data, know-how or information – whatever its form or nature (tangible or intangible) is, including any rights such as intellectual property rights – that (a) is held by a Party or a Consortium Member before the effective date of the this Agreement, and (b) is Needed by another Party or a Consortium Member to implement its own tasks within the INNOVATE or to exploit its own Results, but solely to the extent that such data, information, know-how and/or intellectual property rights are introduced into the INNOVATE Programme by the owning Party or Consortium Member.
5. **Needed** means
 - for implementation of the INNOVATE and/or HosmartAI, that without the grant of such access rights, carrying out the tasks assigned to the recipient would be technically or legally impossible, significantly delayed, or require significant additional financial or human resources
 - for exploitation of own Results, access rights are Needed if, without the grant of such Access Rights, the exploitation of own Results would be technically or legally impossible.
6. **Confidential Information** means all information, in whatever form or mode of communication, which is disclosed by a Party (Disclosing Party) to any other Party (Recipient) either directly or indirectly in connection with the INNOVATE during its implementation and which has been explicitly marked as “confidential” at the time of disclosure, or when disclosed orally has been identified as confidential at the time of disclosure and has been confirmed and designated in writing within 15 calendar days from oral disclosure at the latest as confidential information by the Disclosing Party.

Article 1 - Entry into force & Termination of the contract

1.1 Entry into force

1. This Contract shall enter into force on the day of its signature by the last Contracting Party. The Contractor shall sign this contract, only after all of the following documents have been received from the Beneficiary:
 - The original signed Declaration of Honour (as given in Annex 4 of this Contract);
 - SME Declaration form (as given in Annex 5 of this Contract) or a validated PIC-number;
 - Copy of ID-card or Passport of legal representative(s) of the SME;
 - Copy of the original Extract of SME registration;
 - Proof of VAT registration;
 - Bank Information Form (as given in Annex 6 of this Contract).
2. All documents shall be sent to the Contractor first via email to the following email address: [to be delivered during contracting phase].

3. The Beneficiary is solely responsible for the accuracy of all data provided to the Contractor.

1.2 Contract Termination

1. This Contract covers all three phases (sprints) of HosmartAI INNOVATE for Tech activities and the following service maintenance phase of 12 months.
2. At the end of the aforementioned phases sprint #1, sprint #2 and sprint #3, an evaluation of the Beneficiary projects' progress will take place by the OCC as fully described in Annex 2 "Guidelines for Applicants".
3. In case the evaluators of the Beneficiary projects' progress do not receive or accept any due deliverable, at the end of the sprint #3 phase, this Contract is automatically terminated, and the Beneficiary fully accepts that no additional payments related to the phase of the missing or not accepted deliverable will be made by the Contractor.
4. This Contract also terminates in the event of unjustified withdrawal by the Beneficiary of the current fulfilment of its Contract obligations. "Unjustified withdrawal" covers any situation out of "Force Majeure" qualification which determines the absence of performance of the Beneficiary contractual obligations. In this particular case, it entitles the Contractor the right to claim the Beneficiary the full refund of all payments made to the Beneficiary up to date.

Article 2 – Obligations and Responsibilities of the Beneficiary

1. The obligations and responsibilities of the Beneficiary are defined in detail in the Annex 2 - Guidelines for Applicants.
2. Additionally, the Beneficiary shall take every necessary precaution to avoid any risk of conflict of interest relating to economic interests, political or national affinities, personal or any other interests liable to influence the impartial and objective performance of the Project. In case the Beneficiary is involved in a conflict of interest or in a risk of conflict of interest, the Beneficiary must formally notify this situation to the Contractor without delay and immediately take all the necessary steps to rectify this situation.

Article 3 – Breach of Contractual obligations

1. In the event of breach of the contractual obligations by the Beneficiary, the Contractor reserves the right to claim the Beneficiary the full refund of all payments made to the Beneficiary up to date. The breach of the contractual obligations by the Beneficiary shall be determined by the HosmartAI Consortium or HosmartAI Project Coordinator. Non-participation in the Contract activities (unless in the case of Force Majeure) or participating in the activities in a manner which intentionally disrupts the activities, shall be deemed as breach of the contractual obligations by the Beneficiary. The provision of false or misleading declarations by the Beneficiary or any unsolved situation of conflict of interest also constitute examples of breach of contractual obligations by the Beneficiary.

Article 4 – Financial contribution and Financial provisions

4.1 Maximum financial contribution

1. The maximum financial contribution to be granted by the Contractor to the Beneficiary shall not exceed the amount of Fifty Thousand Euros (50 000€).

4.2 Distribution of the financial contribution

1. The financial contribution to be granted to the Beneficiary shall be calculated and distributed in accordance with the provisions of the Annex 2: Guidelines for Applicants. In any case, the financial grant to be paid will always be subject to:
 - a. A favourable resolution by the evaluators and HosmartAI project responsible for assessing the Project in each of the phases;
 - b. Payments to the Beneficiary will be made by the Treasurer. In particular:
 - The Treasurer reserves the right to withhold the payments in case the Beneficiary does not fulfil with its obligations and tasks as per Annex 2 - Guidelines for Applicants;
 - Banking and transaction costs charged by any of the banks related to the handling of any financial resources made available to the Beneficiary by the Contractor shall be covered by the holder of the bank account which originated the cost. This means that the Contractor bears the cost of transfers charged by its bank and the Beneficiary bears the cost of transfers charged by its bank;
 - c. Payments will be released no later than thirty (30) natural days after the notification to the Treasurer;
 - d. All Payments shall be made in euros. The Beneficiaries shall provide a bank account denominated in euros, otherwise the Beneficiary bears the costs of the currency conversion. All Payments shall be made to the bank account indicated in the financial identification form of the EC being an Annex 6 to this Agreement.
 - e. The Beneficiary is responsible for complying with any tax and legal obligations that might be attached to this financial contribution.

4.3 Payments schedule

1. The payment schedule is directly linked to the relevant phase of the Project as per the Guidelines for Applicants (Annex 2). [Final dates to be updated during the contracting phase]

Expected date of payment	Amount	Condition / Event	Linked Phase
September 2022	Up to € 17.500	Successful review of all due deliverables Participation in required remote event(s)	Sprint #1
November 2022	Up to € 17.500	Successful review of all due deliverables Participation in required remote event(s)	Sprint #2
January 2023	Up to € 15.000	Successful review of all due deliverables	Sprint #3

		Participation in required remote event(s) and Final Demo Event in a European city (subject to define)	
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- The Beneficiary is entitled to receive exclusively those payments allocated to each specific phase of the Project provided that the conditions under Article 4.2 are met.

Article 5 – Liability of the Beneficiary

- The Contractor, the Treasurer and/or the EC cannot be held liable for any acts or omissions of the Beneficiary in relation to this Contract. At the same time, the Beneficiary is responsible for any act or omission that causes damage to the Contractor, the Treasurer, the Data Provider, and/or the EC in relation to this Contract.
- The Beneficiary shall bear sole responsibility for ensuring that their acts within the framework of this Contract do not infringe third parties' rights. There is no joint liability between the Contracting Parties.

Article 6 - Confidentiality

- With respect to all information of whatever nature or form as is disclosed between the Contracting Parties in connection with the Contract and identified in writing as confidential, the terms of this Article shall apply.
- The Contracting Parties agree that such information is communicated on a confidential basis and its disclosure may be prejudicial to the owner of the information.
- Parties hereby undertake for a period of four years after the termination of this Agreement:
 - not to use Confidential Information otherwise than for the purpose for which it was disclosed;
 - to use confidential information only to implement the Agreement unless otherwise agreed between the Parties;
 - not to disclose Confidential Information to third parties without the prior written consent by the Disclosing Party;
 - to ensure that internal distribution of Confidential Information by a Recipient shall take place on a strictly need-to-know basis; and
 - to return to the Disclosing Party, or destroy, on request all Confidential Information that has been disclosed to the Recipients including all copies thereof and to delete all information stored in machine readable form as much as practically possible. The Recipients may keep a copy to the extent it is required to keep, archive or store such Confidential Information due to compliance with applicable laws and regulations or for compliance with on-going obligations provided that the Recipient comply with the confidentiality obligations herein contained with respect to such copy for as long as the copy is retained.

Article 7 – Intellectual Rights and Exploitation

- The results developed during the Contract execution shall be owned by the Beneficiary unless explicitly otherwise specified. The Beneficiary commits to exploit the results at least via the HosmartAI marketplace.

2. Where Results are generated from work carried out jointly by the Parties to this Agreement or by the Beneficiary(ies) and other Consortium Members and it is not possible to separate such joint invention, design or work for the purpose of applying for, obtaining and/or maintaining the relevant patent protection or any other intellectual property right, the Parties or the Beneficiary(ies) and the other Consortium Members shall have joint ownership of this work. The joint owners shall, within a six (6) month period as from the date of the generation of such Results, establish a written separate joint ownership agreement regarding the allocation of ownership and terms of exercising, protecting and exploiting such jointly owned Results and the division of related costs on a case-by-case basis. However, until the time a joint-ownership agreement has been concluded and as long as such rights are in force, such Results shall be jointly owned in shares according to their share of contribution (such share to be determined by taking into account in particular, but not limited to, the contribution of a joint owner to an inventive step, the person months or costs spent on the respective work etc.) to the Results by the joint owners concerned.

Unless otherwise agreed:

1. each of the joint owners shall be entitled to use their jointly owned Results for internal non-commercial research activities on a royalty-free basis, and
2. each of the joint owners shall be entitled to otherwise exploit the jointly owned Results and to grant non-exclusive licenses to third parties (without any right to sub-license), if the other joint owners are given:
 - a. at least 45 calendar days advance notice; and
 - b. fair and reasonable compensation.
3. The joint owners shall agree on all protection measures and the division of related cost in advance.
4. The Beneficiary shall grant a non-exclusive, royalty-free, transferable and unlimited right of use with the right for sub-licensing to the HosmartAI Coordinator and the other Consortium Members for implementation of the HosmartAI project, including the INNOVATE with regard to all Results generated by the Beneficiary in the course of the work according to this Contract and the Background of the Beneficiary related to such Results of the Beneficiary. Access rights to Beneficiary's Results and Background beyond the above said are subject to separate agreement and fair and reasonable terms to be agreed therein.
5. Access rights for the Beneficiaries on Results generated by the Consortium Partners, if needed for implementation of their own tasks in the INNOVATE, may be granted for the duration of the INNOVATE on royalty-free basis but strictly to the extent Needed to fulfil the tasks. Access rights to Results generated by the Consortium Members may be granted to the Beneficiaries if they are Needed for exploitation of Beneficiaries own Results, subject to fair and reasonable compensation to be agreed in a separate agreement. Such request for access rights needs to be made within 6 months after the end of the INNOVATE.
6. Subject to the prior written approval of the owning Party or a Consortium Member, access rights on Background of Consortium Members to Beneficiaries, if Needed for implementation of their own tasks in the INNOVATE, may be granted for the duration of the INNOVATE on royalty-free basis but strictly to the extent needed to fulfil the INNOVATE activities and tasks. The Consortium Member granting such access rights may require that a separate agreement on the Access rights is made.
7. For the sake of clarity, any Consortium Member involved in the INNOVATE cannot grant the Beneficiaries any access rights to Results or Background of another Consortium Member without prior written authorization of the other Consortium Member owning or holding the rights for said Results or Background.
8. For the avoidance of doubt, any grant of access rights not covered by this Section shall be at the absolute discretion of the owner and subject to such terms and conditions as may be

agreed between the owner and recipient. A Party requesting access rights must show that they are Needed.

Article 7 – Force Majeure

1. “Force Majeure” shall mean, any unforeseeable exceptional situation or event beyond the Contracting Parties control, which prevents either of them from fulfilling any of their obligations under the Agreement, which was not attributable to error or negligence on their part and which proves to be inevitable in spite of the exercising all due diligence.
2. Any default of a service, defect in equipment or material or delays in making them available, unless they stem directly from a relevant case of force majeure, as well as labour disputes, strikes or financial difficulties cannot be invoked as force majeure.
3. The Contracting Parties shall take the necessary measures to limit any damage due to force majeure. They shall do their best to resume the implementation of the action as soon as possible.
4. No Contracting Party shall be considered to be in breach of its obligations and tasks if such breach is caused by Force Majeure. A Contracting Party will notify the other Contracting Party of any Force Majeure as soon as possible. In case the Beneficiary is not able to overcome the consequences of Force Majeure within 10 (ten) days after such notification, the Contractor will decide accordingly including the termination of the Contract.

Article 8 – Information and communication

1. The Beneficiary must promote the INNOVATE, the HosmartAI project and its results, by providing targeted information to multiple audiences (including the media and the public) in a strategic and effective manner and to highlight the financial support of the EC.
2. Unless the European Commission or the HosmartAI Coordinator requests or agrees otherwise or unless it is impossible, any dissemination activity related to the action (including in electronic form, via social media, etc.), any publicity, including at a conference or seminar or any type of information or promotional material (brochure, leaflet, poster, presentation etc.), and any infrastructure, equipment and major results funded by the grant must:
 - a. display the EU emblem;
 - b. display the HosmartAI logo and
 - c. include the following text:
 - **For communication activities:** “This project has indirectly received funding from the European Union’s Horizon 2020 research and innovation programme under project HosmartAI (grant agreement No 101016834)”.
 - **For infrastructure, equipment and major results:** “This [infrastructure][equipment][insert type of result] is part of a project that has indirectly received funding from the European Union’s Horizon 2020 research and innovation programme under project HosmartAI (grant agreement No 101016834)”.
3. When displayed in association with a logo, the European emblem should be given appropriate prominence. This obligation to use the European emblem in respect of projects to which the EC contributes implies no right of exclusive use. It is subject to general third-

party use restrictions which do not permit the appropriation of the emblem, or of any similar trademark or logo, whether by registration or by any other means. Under these conditions, the Beneficiary is exempted from the obligation to obtain prior permission from the EC to use the emblem. Further detailed information on the EU emblem can be found on the European Union [webpage](#) .

4. Any publicity made by the Beneficiary in respect of the project, in whatever form and on or by whatever medium, must specify that it reflects only the author's views and that the EC or HosmartAI project is not liable for any use that may be made of the information contained therein.
5. The EC and the HosmartAI Consortium shall be authorised to publish, in whatever form and on or by whatever medium, the following information:
 - a. the name of the beneficiary SME;
 - b. contact address of the beneficiary SME;
 - c. the general purpose of the project;
 - d. the amount of the financial contribution foreseen for the project; after the final payment, and the amount of the financial contribution actually received;
 - e. the geographic location of the activities carried out;
 - f. the list of dissemination activities and/or of patent (applications) relating to foreground;
 - g. the details/references and the abstracts of scientific publications relating to foreground and, if funded within HosmartAI project, the published version or the final manuscript accepted for publication;
 - h. the publishable reports submitted to HosmartAI;
 - i. any picture or any audio-visual or web material provided to the EC and HosmartAI in the framework of the project.

The Beneficiary shall ensure that all necessary authorisations for such publication have been obtained and that the publication of the information by the EC and HosmartAI does not infringe any rights of third parties.

Article 9 – Data protection

9.1 Data protection obligations

1. The Contracting Parties have the obligation to abide by the Regulation (EU) 2016/679 (General Data Protection Regulation – GDPR) of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data.
2. The processing of personal data shall be carried out lawfully, fairly and in a transparent manner, collected for specified purposes and adequate, relevant and limited to what is necessary in relation to the purposes for which it is processed.
3. The Beneficiary will use and process the data only for the purposes of this Contract and during the length of the Contract. Any unauthorised use is forbidden. In any event, neither the Contractor nor the Data Provider will be held responsible for any abusive use of data incurred into by the Beneficiary.
4. The Beneficiary shall not to try to re-identify anonymised data. In the event that re-identification occurs, the Beneficiary commits not to use such data.

5. The Beneficiary shall delete, at the end of this Contract, the data to which the Beneficiary has been granted access during the incubation process, except where an agreement is entered into with the Data Provider.

9.2 New data produced

The Beneficiary acknowledges that he/she will be the “data controller” of any new dataset of piece of personal information that the Beneficiary may produce in the course of the HosmartAI project.

Article 10 – Keeping records

The EC may, at any time during the implementation of the Project and up to five years after the end of the HosmartAI project (foreseen for 31 May 2024), arrange for financial audits to be carried out, by external auditors, or by the EC services themselves including the European Anti-Fraud Office (OLAF), on the Beneficiary. The audit procedure shall be deemed to be initiated on the date of receipt of the relevant letter sent by the EC.

1. The Beneficiary must keep adequate records and other supporting documentation to prove the proper implementation of the INNOVATE in accordance with requirements of the national laws and usual accounting principles of the beneficiary.
2. The Beneficiary must provide — during implementation of the INNOVATE and afterwards — any reasonable information requested by the Coordinator or EC or other Consortium Members in order to verify proper implementation of the Demonstration and compliance with any other obligation under this Agreement. For clarity, the supporting documentation must be made available upon request or in the context of checks, reviews, audits or investigations that may be conducted subject to the provisions of the Grant Agreement defined in Annex 1 hereto.
3. If there are on-going checks, reviews, audits, investigations, litigation or other pursuits of claims under the Contract (including the extension of findings), the Beneficiary must keep the records and other supporting documentation until such checks, reviews, audits, investigations, litigation or other pursuits of claims under the Agreement are resolved.
4. For clarity, the Beneficiary does not need to identify the actual eligible costs covered to Coordinator to prove the amount declared as the lump sum.

Article 11 – Amendments

1. Amendments or changes to this Contract shall be made in writing and signed by the duly authorized representative of the Contracting Parties. Nevertheless, in the event the EC modifies the conditions, the Contractor will amend the Contract accordingly.

Article 12 – Language

1. This contract is drawn up in English, language which shall govern all documents, notices, meetings and processes relative thereto.

Article 12 – Applicable Law

1. This Contract shall be construed in accordance with and governed by the laws of Belgium.

Article 14 – Settlements of disputes

1. Any dispute concerning the interpretation, application or validity of the Agreement should be settled amicably. All disputes arising out of or in connection with this Agreement, which cannot be solved amicably, shall be finally settled by the competent courts of Brussels.

Article 15 – Annexes of the Contract and Order of Priority

1. The following annexes form an integral part of this Agreement:

- a. Annex 1: Open Call 1 text;
- b. Annex 2: Guidelines for Applicants;
- c. Annex 3: Application Form;
- d. Annex 3.1: Description of Work;
- e. Annex 4: Applicant Declaration of Honour;
- f. Annex 5: SME Declaration or PIC number;
- g. Annex 6: Bank Account Information

2. In case of discrepancy between this Contract and Annex 1, the latter shall prevail. In case of discrepancy between this Contract and any other annex, the text of this Contract shall prevail.

AS WITNESS:

The Contracting Parties have caused this Contract to be duly signed by the undersigned authorized representatives:

<p>For INTRASOFT (the Contractor) Mr/Ms [NAME SURNAME] [POSITION_IN_COMPANY] Signature</p>	<p>For [SME/Individual Entrepreneur_NAME] (the Beneficiary) Mr/Ms [NAME SURNAME] [POSITION_IN_COMPANY] Signature</p>
<p>Done at _____ on DD/MM/202Y</p>	<p>Done at _____ on DD/MM/202Y</p>

For FUNDACION INSTITUTO
TECNOLÓGICO DE CASTILLA Y LEON (the
Treasurer)
Mr/Ms [NAME SURNAME]
[POSITION_IN_COMPANY]
Signature

Done at _____ on DD/MM/202Y

