



PLATFORM



Artificial Intelligence, when applied to healthcare, can provide several benefits, including automating tasks, accelerating the development of innovative digital solutions, analysing big data sets to deliver better healthcare faster, and at a lower cost. Indeed, nowadays a lot of EU health spending is wasted to solve issues or tackle challenges that could be reduced by AI-powered digital transformation. Nevertheless, it is hard to deploy AI-powered solutions in healthcare because of lack of trust and record of effectiveness.



PROBLEMS

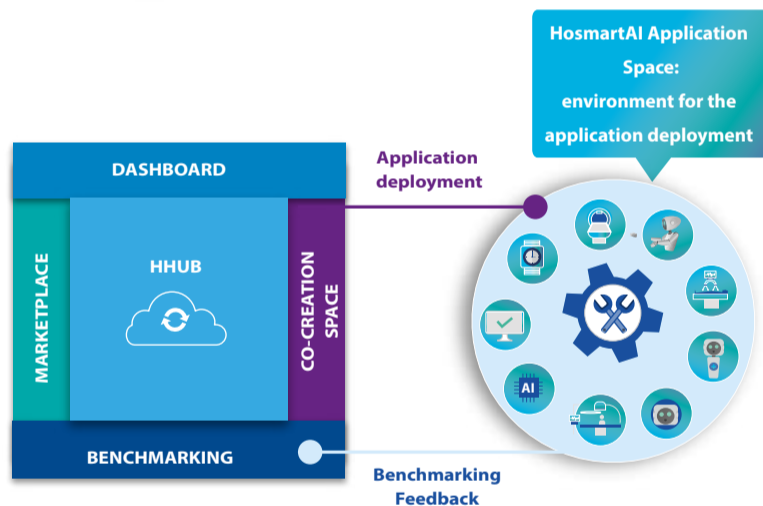
- It is challenging, or almost impossible, to find a comprehensive place where available and trusted healthcare-focused AI providers, solutions and services are represented.
- The path from identifying a need and match it with one or more possible AI-based healthcare-focused solutions is complicated.
- The healthcare sector is reluctant to implement AI solutions due to lack of understanding of how to properly manage data, from interoperability up to privacy issues.
- Healthcare-focused AI solution providers (and researchers) face the challenge of finding data to properly develop and train trustworthy AI applications.

OBJECTIVES

Create a digital reliable ecosystem that supports the development and adoption of trustworthy AI-based solutions in healthcare.



THE SOLUTION



A digital ecosystem, open to the demand and supply side, focused on enabling co-creation, testing, rating, sharing and awareness-raising processes on AI solutions in healthcare. The platform is accessible through a dashboard, while a dedicated Co-creation Space, a Marketplace and a Benchmarking Tool support the co-development, exchange and rating of AI solutions. **Specifically, the HosmartAI Platform allows users to:**

- reach out to a Marketplace to search for solutions that match specific needs
- check their evaluations provided by a Benchmarking Framework
- interact with a knowledgeable community in the Co-creation Space
- publish and advertise their solutions in the Marketplace
- develop own extensions/components using the Co-creation Space collaborative tools and existing components
- experiment with components and datasets in the experimentation testbed
- validate their solutions via pilot deployments
- receive feedback through the Marketplace or the Benchmarking tool and improve their solutions

The HosmartAI Platform offers tools for:

- adhering to common data models and semantic interoperability
- collaborative development of AI solutions
- offering security, data protection, privacy
- sharing data maintaining integrity and trust

The HosmartAI Platform includes pilot-validated solutions covering multiple treatment stages (logistics improvement, diagnosis revolution, treatment improvement, surgical support, assistive care) and medical fields (cancer, gastrointestinal disorders, cardiovascular diseases, thoracic disorders, neurological diseases, ageing & elderly care, pregnancy).

VALUE PROPOSITION

The HosmartAI Platform offers a unique combination of features, tools and capabilities in facilitating the development of AI-based solutions that are focused on improving hospital management and care. Furthermore, it offers a unique co-creation process, in which healthcare stakeholders, service advisors and providers can select together the most appropriate set of tools, devices, components, data sources, etc.; a single place where to find healthcare solutions, datasets, make experiments, integrate, select, see evaluations, define the problem and the solution together with the relevant experts and stakeholders; tools to manage interoperability of data stemming from different sources, access to relevant datasets while ensuring legislative compliance.



MARKET

Healthcare / Industry / Research



BENEFICIARIES

<ul style="list-style-type: none"> • Technology companies, developers • Relevant administrations 	<ul style="list-style-type: none"> • Public health administration • Administrations of hospital & healthcare facilities
<ul style="list-style-type: none"> • Hospital & healthcare professionals 	<ul style="list-style-type: none"> • Doctors, nurses / • Facility IT staff
<ul style="list-style-type: none"> • Hospital & healthcare patients 	<ul style="list-style-type: none"> • Patients / • Patient associations, NGOs
<ul style="list-style-type: none"> • Researches 	
<ul style="list-style-type: none"> • Other relevant industry branches 	<ul style="list-style-type: none"> • Pharma companies / • Insurance companies

CONTACT INFO



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