

WP2-ICU

Digital Health Platform DHP

WP2 Milestone: structure and strategy of the platform are defined, requirements of the healthcare institutions are identified, the business plan of the KTERE is developed and a pilot test of the ktere web platform is conducted.

WP2 Deliverables: Centeres' are equipped with suitable softwares, hardwares & digital education platform used by partners universities. A manual containing all digital teaching and training (T&L) training and teaching skills is also developed and delivered.

P2. Preparing and establishing of the University-enterprise CeHI web platform based on of the Knowledge Triangle: Education-Research- E-health business (KTERE). The web platform KTERE is created to promote and encourage the interactive collaboration between academic & non-academic partners in preparation, development and commercialization of innovative e-Health practice.

A digital education platform will be established to support the digitized learning environment & deliver e-modules to be conducted on the portal. The components of the DHP consist of software and shared information resources to support integration, data definitions, and messaging standards for interoperability

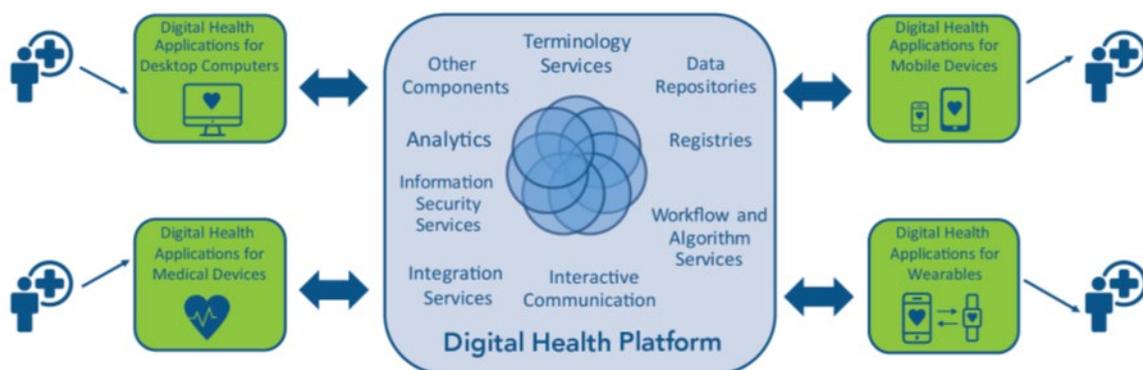


Figure 1: How a DHP interacts with external applications and users.

The integration of this platform with the other external relevant networks to achieve synergetic effects (added values which could be achieved as a result of pooling the intellectual academic & scientific skills and the professional experience of the practical know-how of the healthcare staff at different healthcare sittings and enterprises) in the development of a comprehensive system of inter-regional and international cooperation.

The external digital health applications can be software programs, digital tools, or information systems such as EHRs, supply chain systems, insurance systems, and patient-engagement apps.

By supporting interoperability, the underlying infostructure ties different components and external applications together into a streamlined and cohesive whole.

The DHP allows one digital health application or system to work with other applications and systems, helping these software share health information and data about patients, health workers, health systems, and even commodities and equipment, such as medical devices and pharmaceuticals. As a result, other clinic departments, such as radiology or the laboratory, gain access to patient data that may have previously been available only at the admitting desk. Moreover, relevant patient or health commodity information can be shared with health system entities outside the clinic and throughout the organization served by the DHP, including regulators, pharmacies, insurers and funders, suppliers, referral clinics, and health ministries.

The services provided by CeHI include administrative, research, consulting, training and technical supporting of e-health activities (with the help of Web platform KTERE service).

The services provided in details are:

- application compatibility between different types of devices and operating systems;
- data synchronization and updating;
- ensure the smooth and safe access to the data.

Web platform KTERE services also includes :

- corporate e-mail, newsletters;
- instant messaging service and forum;
- calendar-planner;
- online training sessions and presentations, distribution and storage;
- projects share and joint collaboration on projects;
- creating of documents, presentations, spreadsheets under a common standard.

Training of medical and healthcare, IT and engineering staff for wide target groups (research, education, professionals) in medical informatics, electronic health records system (EHRs) electronic patient record (EPR), Remote monitoring (RM), Magnetic Resonance Imaging (MRI), Interactive telemedicine, Artificial intelligence (AI), Robotic surgery and its applications (e.g. General surgery , Cardiology and electrophysiology , Gastrointestinal, Gynaecology, Urology etc.)

It different services and training programs (CS1-CS2). It will be a modular structure, where the connection of additional services and functional applications will not require updating or reinstalling the software on the local computers.

CS1. Service on administrative support of e-Health projects: Separate CS1 services:

- market analysis for developed innovative e-health technologies (using web platform KTERE and partner networks and centres services (international network Centres of e-health innovations (CeHI) , LNU relevant centres, etc.);
- dissemination of technical and advertising information (using integrated network)
- negotiation with the potential service users/ healthcare settings, partners (using partner networks/ centres services);

CS2. Service on technical support of innovative e-health programs with medical based PC laboratories/equipment, IT specialists & external R&D companies.