DiHeco

Digital Healthcare ECOsystem research and innovation capability building (DiHeco)

Digital healthcare services' multi-sided platform (MSP) is a digital ecosystem for organizing collaboration and control based on software, hardware, and services, without taking ownership of the services whose exchanges it facilitates through diverse inter-organizational interactions. In this way an MSP creates an effect of shared economy and thus greater accessibility, affordability, security and quality of life.

Most famous examples of the multi-sided platforms are services such as Uber, Facebook and AirBnB. Although MSP is a game-changer in different business sectors, it is still very rarely applied in healthcare: only some partially similar solutions have been created in France (Doctolib https://www.doctolib.fr/) and in Germany (Otto Bock Health https://www.ottobock.at/).

Thus there is an urgent need to advance research and innovations on the application of multi-sided platform (MSP) in digital health care, in order to utilize digital technologies for the sake of valuebased, learning Healthcare sector.

is to build the capacities for Kaunas University of Technology (KTU) to conduct high-quality research in the field of digital healthcare management and in particular digital healthcare services' multi-sided platforms.

DiHeco contributes to:

- **D**eveloping home-based digital healthcare platform

- **I**mplementing experience based learning

- **H**arvesting healthcare data

- **E**ncouraging collaborative innovations

- **C**reating digital healthcare ecosystem

- **O**pening research and open to the world

DiHeco

**Dr. Sea Matilda Bez
(University of Montpellier):**

"DiHeco is an open-innovation journey more than a destination. It involves regular collaboration between 5 European universities, but also collaboration with healthcare professionals, students, private big companies, startups and policy market. Together, we are aiming to create an ecosystem that continuously stretches our thinking about how to leverage platforms in the healthcare industry. And our wish is that this journey continues even after the end of DiHeco."

Prof. dr. Christopher Mathieu (Lund University):

"Digital Healthcare Platforms have tremendous potential to improve healthcare outcomes, quality of life and also quality of work. If these platforms are to reach their full potential mutual understanding needs to be achieved within a very heterogeneous group of stakeholders united in the platform ecosystem. DiHeco can greatly contribute to this mutual understanding of problems and possibilities, for mutually beneficial solutions. That is why we are interested in participating."

**Prof. dr. Asta Pundzienė
(Kaunas University of Technology):**

"Digital healthcare technologies aim to improve the quality of life and enhance the healthcare process and healthcare socio-economical outputs. Digital healthcare is a broad concept encompassing e-health, m-health, telehealth, telemedicine, remote patient management and other phenomena. Despite the socio-economical attractiveness of digital healthcare, its adoption is still slower than expected. Many agree that the challenges behind that are not technological but rather organisational. Thus, DiHeco is an excellent opportunity to shed light on digital healthcare management challenges and to build the capacity to conduct high-quality research and create impactful innovations in the field of digital healthcare multi-sided platforms. I believe that the competitive advantage of our venture rests on the solid partnership of five European universities and an interdisciplinary team of researchers that joint their efforts to meet the ambitious objectives of DiHeco."
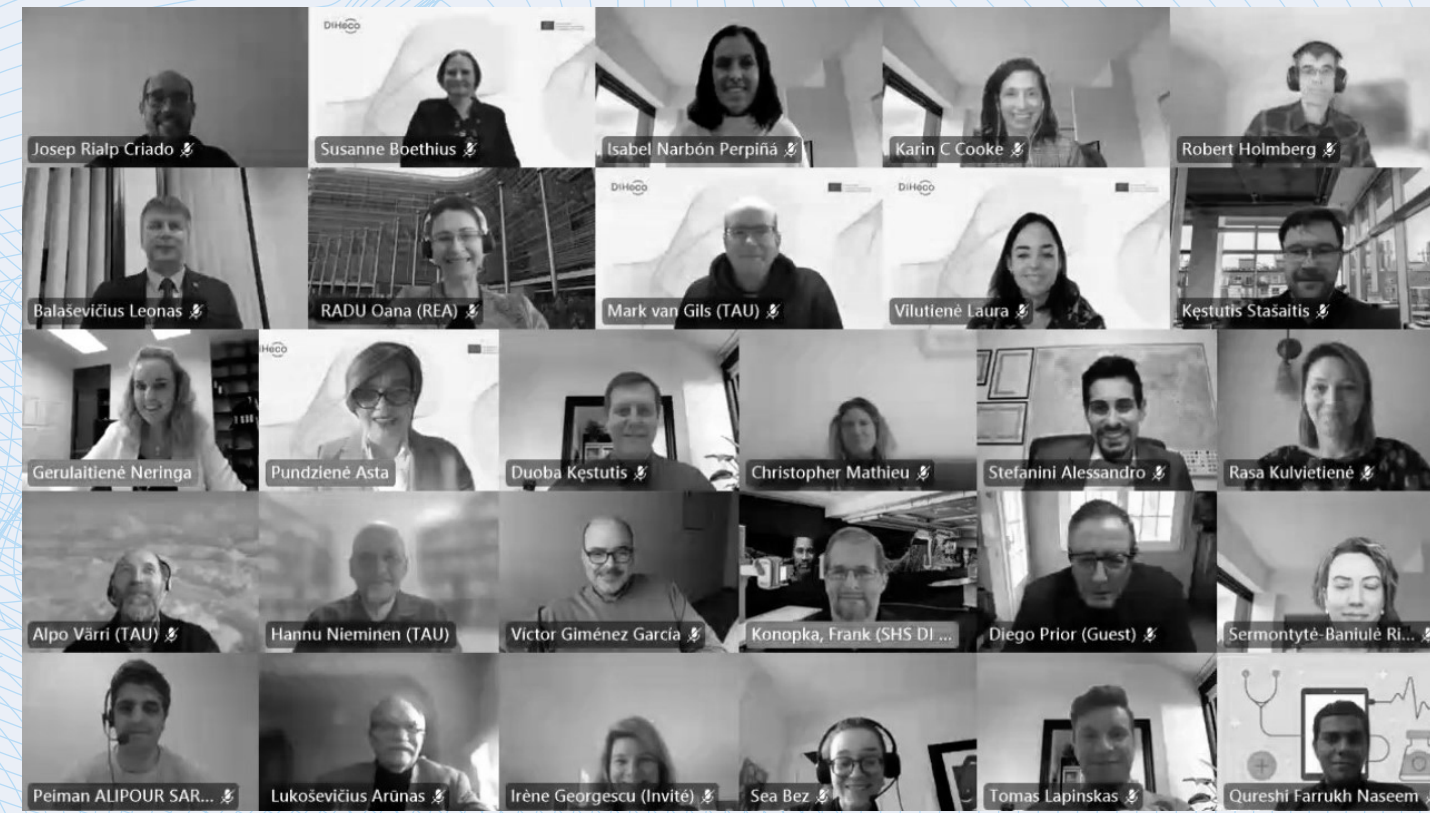
**Prof. dr. Mark van Gils
(Tampere University):**

"DiHeco gives us a unique opportunity to couple our healthcare data science expertise to essential competences such as digital healthcare management and investigation of services platforms. In this way we further increase the possibilities to generate solutions with true impact. The richness and diversity of the DiHeco consortium and its associated international network extend well beyond the project plan itself, making the project a highly valuable part of our work."

**Prof. dr. Diego Prior-Jiménez
(Universitat Autonoma
De Barcelona):**

"DiHeco is a project where transversal collaboration among research groups of different areas are oriented to raise technological and organizational challenges on healthcare provision. The innovations, proposed on the framework of digital technologies, serve to improve the quality of life of patients by improving their health monitoring and illness prevention. One definitive target to achieve is the analysis of the potential benefits of platforms as a way to provide a better treatment to patients and to increase the spillover of medical knowledge among professionals."

**Dr. Alpo Värri
(Tampere University)**

"DiHeco brings together experts with different backgrounds to create visions for digital healthcare platforms. The multidisciplinary pool of expertise ensures that the opportunities and strengths but also the threats and weaknesses of these platforms can be identified realistically which is necessary for successful implementations. For the experts, DiHeco offers an opportunity to step outside one's comfort zone, learn new points of view and come out with a richer understanding of the environment of one's own work."

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