MY HEALTH MY DATA

Hes·so
Haute Ecole Spécialisée
de Suisse occidentale
Fachhochschule Westschweiz
University of Applied Sciences and Arts
Western Switzerland

Projet H2020 – MH-MD

Nom du projet	My Health - My Data
Call	H2020-ICT-2016-1 (ICT-18-2016)
Référence UE	732907
Type de projet	Research and Innovation Action (RIA)
Rôle de la HES-SO	Participant
Chercheur impliqué	Patrick Ruch (HEG-GE)
Participants	Lynkeus (IT) – Coordinator; Athena Research and Innovation Center in Information Communication & Knowledge Technologies (EL); Consiglio Nazionale delle Ricerche (IT) ; Digi.me Limited (UK); Maat France Sàrl (FR); Haute école Spécialisée de Suisse occidentale (CH) ; HW Communications Limited (UK) ; Negri Clementi Toffoletto Montironi - NCTM Studio Legale (IT); SBA Research Gemeinnutzige GmbH (AT); Siemens Healthcare GmbH (DE); Universitea Transilvania din Brasov (RO); Deutsches Herzzentrum Berlin (DE); Ospedale pediatrico bambino Gesu (IT); Queen Mary University of London (UK); University College London (UK).
Budget global	3'944'940 € / financement UE : 3'456'188 €
Durée	36 mois, début le 01.12.2016
Résumé	Issues of data subjects' privacy and data security represent a crucial challenge in the biomedical sector more than in other industries. The current IT landscape in this field shows a myriad of isolated, locally hosted patient data repositories, managed by clinical centres and other organisations, which are subject to frequent and massive data breaches. Patients are disenfranchised in this process, and are not able to have a clear understanding of who uses their personal information and for what purposes. This makes it the ideal field to build and test new models of privacy and data protection, and the technologies that encode them. MyHealthMyData (MH-MD) aims at changing the existing scenario by introducing a distributed, peer-to-peer architecture, based on Blockchain and Personal Data Accounts. This approach will determine new mechanisms of trust and of direct, value-based relationships between people, hospitals, research centres and businesses, in what will be the first open biomedical information network centred on the connection between organisations and the individual. The system will develop a comprehensive methodology to guide the implementation of data and identity protection systems, specifically defining approaches and tools to profile and classify sensitive data based on their informational and economic value, to assess the most suitable and robust de-identification and encryption technologies needed to secure different types of information, to allow advanced analytics, and to evaluate the overall

reliability of a generic multi modular architecture. MHMD will also analyse users' behavioural patterns alongside ethical and cultural orientations, to identify hidden dynamics in the interactions between humans and complex information services, to improve the design of data-driven platforms and to foster the development of a true information marketplace, in which individuals will be able to exercise full control on their personal data and leverage their value.

Lien   http://www.myhealthmydata.eu/