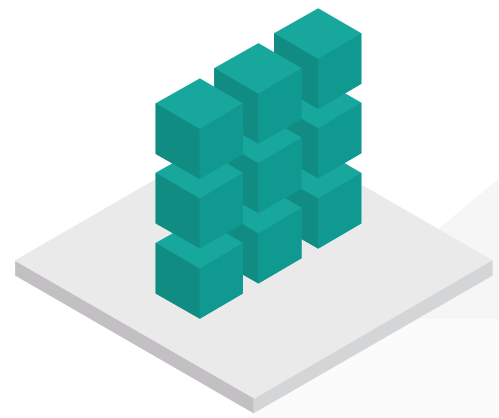


MY HEALTH MY DATA

A NEW PARADIGM IN HEALTHCARE DATA PRIVACY AND SECURITY

MyHealthMyData (MHMD) aims at fundamentally changing the way sensitive health data are shared through an innovative blockchain-based model enforcing consent and peer-to-peer data transactions between healthcare stakeholders in a probative, secure, open and decentralized manner. By fostering the development of a true information marketplace, MHMD will fuel European future information economy and implement new mechanisms of trust and direct, value-based relationships between EU citizens, hospitals, research centres and businesses.



BLOCKCHAIN

A digital ledger where data is trimmed in hash-based language code and data transactions are visible to the entire network of stakeholders, minimizing any possibility of fraudulent usage.



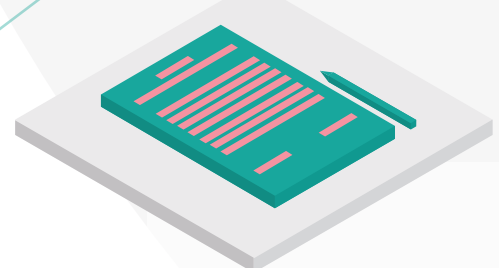
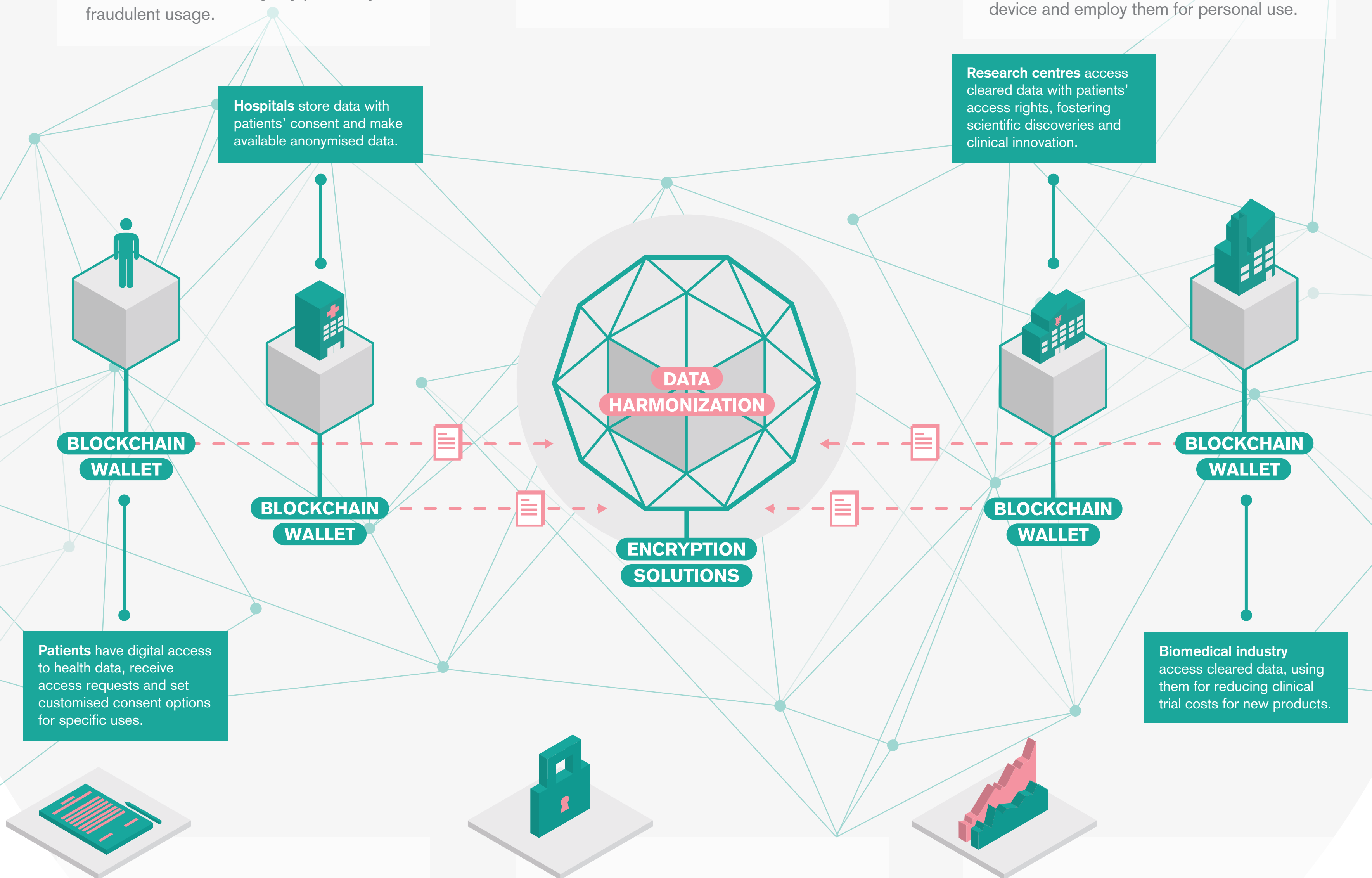
DYNAMIC CONSENT

A digital interface allowing users to grant, deny or revoke consent to data access for different uses according to their preferences.



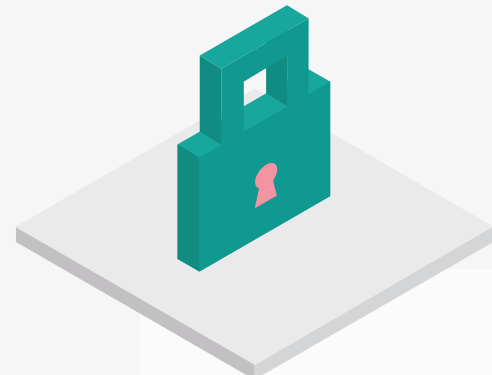
PERSONAL DATA ACCOUNTS

Personal cloud storages enabling individuals to access their data from any technological device and employ them for personal use.



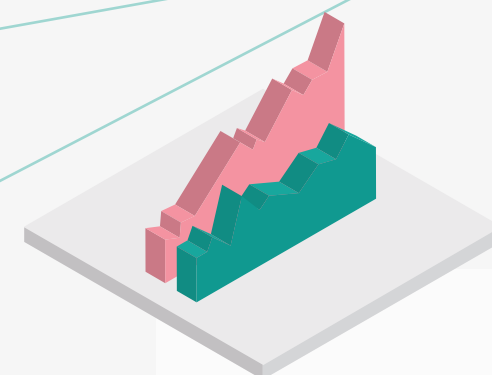
SMART CONTRACTS

Self-executing contractual states, based on the formalisation of contractual relations in digital form, that automate the execution of peer-to-peer transactions under user-defined conditions.



DE-IDENTIFICATION AND ENCRYPTION TECHNOLOGIES

Computational techniques employed for encoding and de-associating sensible data from the owners' identity, meanwhile allowing the application of advanced analytics on encrypted and anonymised data.



BIG DATA ANALYTICS

Applications leveraging the value of large clinical datasets, advanced data analytics, medical annotation retrieval engines and patient-specific models for physiological prediction.

CONSORTIUM

Starting Date: 1 November 2016
 Duration: 36 months
 Total EU Contribution: 3.456.190,00 €

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