Over the last decade, economic, social and environmental changes met with the explosion of technology, and new needs and opportunities arise. During this decade, ICT and performance of computing devices have increased dramatically, with proportional impact in our lives. Thanks to ICT, new business models have sprung up in different domains and recent advances in artificial intelligence, especially in deep learning, are allowing computers to interact with the real world: voice assistants are an excellent example of a technology that makes our life more comfortable, but as technology evolves, so do the threats become more visible. Trust becomes, therefore, key for the social acceptance of the innovations created by ICT.

This talk provides a short walk through some of the current innovation areas of Fraunhofer Portugal AICOS and discusses the opportunities and challenges for the development and implementation of decentralized and accountable health solutions.