

# RealWorld4Clinic

Real-World Cardio-Respiratory Health Monitoring for  
Clinical Contract Research and Tele-Cardiology



**Acronym**

RealWorld4Clinic

**Full Title**

Real-World Cardio-Respiratory Health Monitoring for Clinical Contract Research and Tele-Cardiology

**Programme**

EIT Health

**Contract Number**

20025

**ABSTRACT**

The goal of RealWorld4Clinic is to develop an AI-powered health monitoring solution which can be applied both in clinical research and in cardiological patient care.

This new system will continuously measure a wide array of cardio-respiratory health parameters in clinical trial volunteers and patients in their normal everyday environment. The data will be passed on to healthcare personnel and allow insights into important biomarkers almost in real time.

For many patients that suffer from heart failure, this could be lifesaving: With the data that this solution will provide, early warning signs of an upcoming heart failure decompensation could be detected up to 30 days before the catastrophic event actually occurs, so that preventative measures can be taken well in advance in the vast majority of cases. That way, RealWorld4Clinic could halve the rate of emergency hospitalisation and also significantly reduce the number of ambulatory visits.

In addition, data collected by the device could strongly support early decision making in clinical development programs and improve the predictive power of clinical trials by up to 50 per cent.

The RealWorld4Clinic project is coordinated by Profil Institut für Stoffwechselforschung GmbH, a full-service CRO for early clinical trials in diabetes, obesity and cardiometabolic disease, in collaboration with SentinHealth, and supported by LINQ. Additional partners in this ambitious initiative include Fraunhofer Gesellschaft, University Grenoble Alpes, Inserm, RWTH Aachen University Hospital, CHU Grenoble Alpes, CHU de Rennes, Grenoble Ecole de Management, MADoPA, aQua Institute, SurgiQual Institute, Zana Technologies and Pryv SA.

### **Duration**

36 months (01/01/2020 – 31/12/2022)

### **Project Funding**

2,998,875 EUR

### **Coordinator**

Prof. Dr. Freimut Schliess  
Profil Institut für Stoffwechselforschung GmbH  
Email: freimut.schliess@profil.com

### **Partners**

- Profil Institut für Stoffwechselforschung GmbH, Germany
- Profil Mainz GmbH & Co KG, Germany
- Rheinisch-Westfaelische Technische Hochschule Aachen, Germany
- Universitätsklinikum Aachen, Germany
- Universite Grenoble Alpes, France
- SentinHealth SA, France
- Centre Hospitalier Universitaire de Grenoble Alpes, France
- Grenoble Ecole de Management, France
- Fraunhofer Institute for Toxicology and Experimental Medicine, Germany
- MADoPA - Centre Expert en Technologies et Services pour le Maintien en Autonomie à Domicile des Personnes Agées, France
- Institut National de la Santé et de la Recherche Médicale (Inserm)
- aQua Institute, Germany
- Centre Hospitalier Universitaire de Rennes, France
- SurqiQual Institute, France
- Zana Technologies GmbH, Germany
- Pryv SA, Switzerland

### **Project Management**

LINQ management GmbH  
Malte Streit  
Phone: +49 (0)30 300 96 443  
Email: m.streitz@linq-management.com

### **Project Website**

[www.eithealth.eu/project/realworld4clinic/](http://www.eithealth.eu/project/realworld4clinic/)