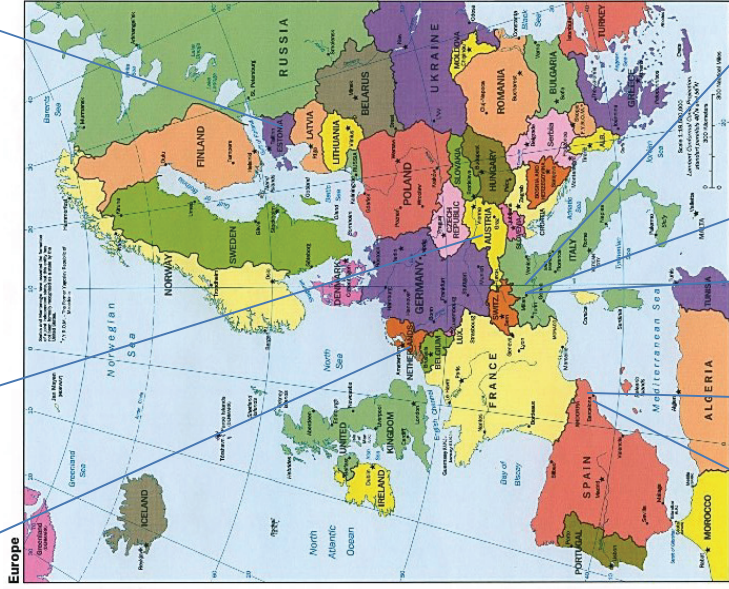




The partners



UNIVERSITÀ DEGLI STUDI DI MILANO

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FITREHAB

FITness and physical
REHAbilitation at home
under expert planning,
prescription and control with
assessment to overcome
barriers in the deployment
of telemedicine solutions

Financed by:

CO-FINANCED BY THE ERDF:



European Union
European Regional Development Fund



INTERREG IVC
INNOVATION & ENVIRONMENT
REGIONS OF EUROPE SHARING SOLUTIONS

The need of rehabilitation at home is dramatically increasing especially in the developed countries.

A long rehabilitation period is required to recover after discharge from the hospital after acute episode, either neurological or cardiovascular.

However rehabilitation is costly, it requires specialized structures and drop out from treatment is frequent.

Elderly people are expected to increase of 5% in the next few years and exercising at home is required to maintain good health.

We believe that technology is mature to help clinicians and patients in prolonged rehabilitation and FITREHAB practically explores this possibility.

Specifications of protocols and modality of use will be defined inside a strict cooperation between doctors, therapists, psychologists and technicians.

A pilot test of the platform will be carried out in:

De Wever foundation (The Netherlands)
Viljiandi hospital foundation (Estonia)

The FITREHAB PLATFORM



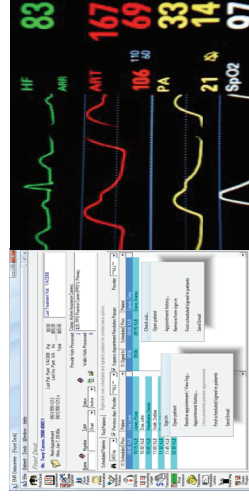
Smart suit with embedded motion and physiological sensors.



Virtual Reality scenario that resembles everyday life.



An Avatar that reproduces in real-time the subject's movements.



A remote monitoring station.

MAIN GOAL OF THE PROJECT

Identification of criticalities in the platform and in the methodology and definition of policy recommendation guidelines to the member regions of the project.

The CONSORTIUM

University of Milano (lead partner).

Virtual reality applied to medicine.

Cetemmsa. Development of the smart garment.

BDigital. Development of the platform infrastructure.

University of UpperAustria. Technical evaluation of the platform.

DeWever foundation. Pilot testing and definition of the platform specifications.

Viljiandi hospital. Pilot testing.

ASL Brescia. Policy recommendation.

Ab.Acus. Project's industrial partner in charge of evaluating the future potential of the project's results.