Virtual Coaching Activities for Rehabilitation in Elderly

From 2017-09-01 to 2021-08-31, ongoing project

Objective

One out of six people in the European Union has a disability, usually caused by an acute episode or a chronic disease. Providing a suitable rehabilitation is the main issue for people as they age as it helps people to live independently and enhance their Quality of Life. However, as the rehabilitation period usually last some months, the continuity of care often is interrupted in the transition from the hospital to the home. Virtual Coaches can help these patients to proceed with a personalized rehabilitation that complies to age-related conditions, as the key technology for empowering patients through the enhancement of the adherence to the care plan and the risk prevention. The project “vCare” (Virtual Coaching Activities for Rehabilitation in Elderly) addresses two major shortcomings of the status quo: a participatory design driven by users’ needs and the personalization of the care pathways enabled by technology. In fact that rehabilitation is an ideal setting as “users” (physicians and patients) interact together for a “long” period into the clinic (from two weeks to two months); this is a good opportunity to embed into the knowledge of the system the clinical profiles and the pathways that will drive the behaviour of the virtual coach at home. Well-elaborated services for tele-rehabilitation of former EU projects, such as eWall or Miracolus Life, will be adapted. Therefore, the system will integrate a semantic layer (universAAL) including a reasoning engine that merges all patient-related and context information together. The advanced services of vCare will be deployed on a reference platform of MYSPHERA (FIWARE-based) and implemented in four reference sites, dealing with commonly impacted domains (neurological and cardiological). The results of vCare shall stimulate the European Healthcare & ICT sector for innovations in the field of integrated care. In sum, vCare will contribute to the EU goal to increase healthy life years of Europeans by two until 2020.
Coordinator

TECHNISCHE UNIVERSITAET DRESDEN
HELMHOLTZSTRASSE 10
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Germany

**EU contribution:** EUR 495,375

Activity type: Higher or Secondary Education Establishments

Contact the organisation

Participants

CASA DI CURA PRIVATA DEL POLICLINICO SPA
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20144 MILANO
Italy

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU contribution: EUR 384,475

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**Activity type:** Research Organisations

EU contribution: EUR 489,315

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**Activity type:** Research Organisations

EU contribution: EUR 602,077,50

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TSB REAL TIME LOCATION SYSTEMS SL
RONDA AUGUSTE LOUIS LUMIERE - PARQUE TECHNOLOGICO DE VALENCIA 23 - NAVE 13
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**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU contribution: EUR 388,937,81

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**Activity type:** Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

**EU contribution:** EUR 245 835,09

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IMAGINARY SRL
VIA MAURO MACCHI 50
20124 MILANO
Italy

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**EU contribution:** EUR 233 437,50

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**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**EU contribution:** EUR 341 562,50

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Dionisie Lupu 37
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Romania

**Activity type:** Higher or Secondary Education Establishments

**EU contribution:** EUR 276 250

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**Activity type:** Higher or Secondary Education Establishments

**EU contribution:** EUR 213 160,40

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**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**EU contribution:** EUR 213 160,40

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EU contribution: EUR 213 125

Activity type: Research Organisations

Contact the organisation

Last updated on 2017-08-29
Retrieved on 2018-01-09


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