

## SHAPES

## Smart and Healthy Ageing through People Engaging in Supportive Systems

The SHAPES Project aims to create an open platform for online communication and accessibility tools, cognitive healthy and independent living addressed to older persons stimulation and rehabilitation, conversational assistants and

who face reduced functionality and capabilities. The project is building, piloting, and deploying a wide range of technological, organisational, clinical, educational, and social solutions on a large-scale. The **SHAPES Digital Solutions** cover multiple areas including IoT and Big data Platforms, chatbots, solutions based on robotics, health and wellbeing platforms, solutions to ensure security, COVID-19 response tools as well as solutions in data analytics, such as predictive systems and wellbeing assessment tools. Discover some of the digital solutions being developed in the **SHAPES project**:



eCare is EDGE's (Portugal) personalised ambient intelligence platform that collects and integrates well-being, quality of life and environmental data, empowering individuals to create smart living environments that promote healthy lifestyles and independent living conditions.



Kompaï-3 EHPAD developed by KOMPAÏ Robotics (France) is equipped with walking assistance bars for physical tasks and was designed to assist people with reduced functionality and capabilities and their caregivers.

**Phyx.io** is a tool developed by the **University of Castilla-La Mancha (Spain)** specifically devoted to support remote rehabilitation



NewSum, SciFY's (Greece) app, automatically summarises information from multiple sources using Artificial

processes. The system can run in different setups (TV-based kiosk or using a smart mirror device). Intelligente (AI) and combines them in a single text. NewSum is an open-source project and is offered for free without ads.



DanceMove is a digital solution developed by the University of Aveiro (Portugal) that includes a dancing surface and associated software that allows for the personalisation of dance choreographies while assessing the user's performance during the choreography.



The video call solution of MedicalSyn (Germany) works with a two-screen display for bidirectional communication. It offers a contact list from which older people can reach their relatives with one click. It will run in a responsive design for Desktop Computer, Tablet and Smartphone (Android and IOs).

ARI robot developed by PAL Robotics (Spain) is being used in different pilots of the SHAPES project. The robot is the perfect mix of Service Robotics and AI in one single platform.



Telemedicine System Medimonitor, developed by the University Hospital Olomouc (Czech Republic), is a platform providing remote care assistance and monitoring of patients, and was specially developed for patients diagnosed with chronic heart failure and chronic obstructive pulmonary disease.



## **PROJECT DATA**

**PROGRAMME:** H2020-EU.3.1.4.1. – Active Ageing, Independent and Assisted Living and H2020-EU.2.1.1.3. – Future Internet: Software, Hardware, Infrastructures, Technologies and Services

**TYPE OF ACTION:** Innovation Action

**DURATION:** 48 months (1 nov 2019 – 31 oct 2023)

**PROJECT BUDGET:** € 20.944.318,75

**CONSORTIUM:** 36 partners from 14 European countries

**COORDINATOR:** Maynooth University





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